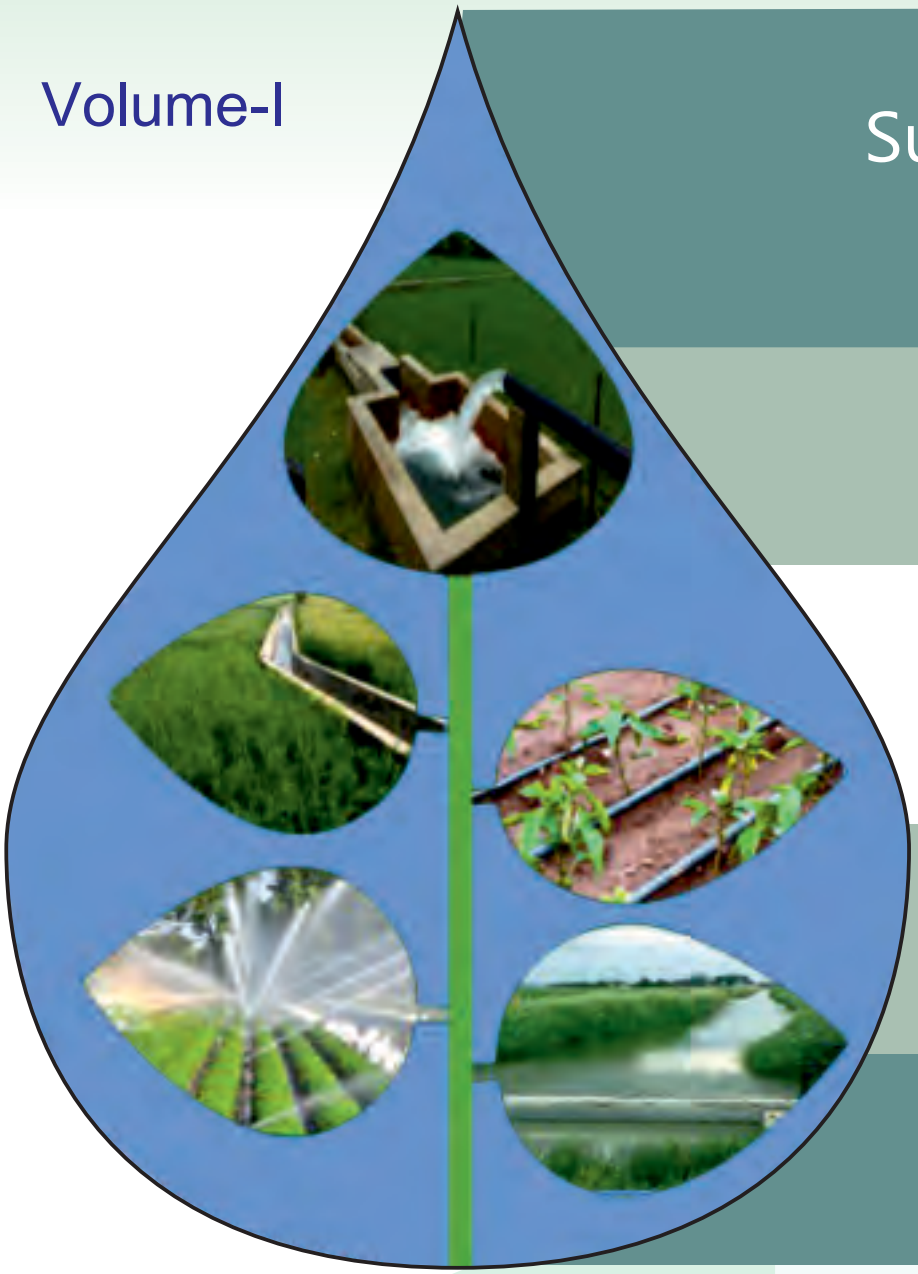
6TH CENSUS OF
MINOR IRRIGATION SCHEMES
REPORT

जल शक्ति मंत्रालय
MINISTRY OF
JAL SHAKTI

Azadi Ka Amrit Mahotsav

Volume-I



Surface Flow &
Surface Lift

Deep
Tubewells

Medium
Tubewells

Shallow
Tubewells

Dugwells

SAVE WATER

G20 भारत 2023 INDIA

GOVERNMENT OF INDIA
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT AND
GANGA REJUVENATION
MINOR IRRIGATION (STATISTICS) WING

6TH CENSUS OF MINOR IRRIGATION SCHEMES REPORT

Volume - 1

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT
AND GANGA REJUVENATION
MINOR IRRIGATION (STATISTICS) WING

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MESSAGE

Minor Irrigation Schemes play an important role in irrigation and agricultural sector of the country. They involve small investment with short gestation period and the benefits directly reach to the farmers immediately. Precise and authentic information related to statistics is indispensable for framing future plan of actions, policy making and research purposes etc.

The Ministry of Jal Shakti, D/o Water Resources, River Development and Ganga Rejuvenation has brought out the 6th census report on Minor Irrigation Schemes. This report provides State-wise detailed information on all the key parameters of Minor Irrigation projects in the country. The data generated from this census will act as an important input for various policy decisions wherein the expansion in irrigation facilities can be envisaged which will enhance the earnings and consequent increase in spending on health and education by the beneficiaries/ farmers.

I wish to congratulate the entire team of MI (Stat) Wing for meticulously carrying out the cumbersome task of conducting 6th census of Minor Irrigation Schemes. I am sure that this publication would be beneficial for all the stakeholders in this sector.

(Gajendra Singh Shekhawat)

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आज़ादी का अमृत महोत्सव

Message

Minor Irrigation schemes contribute significantly in the agricultural growth of the country. Usage of these schemes in un-even terrain and hilly areas result in efficient use of water which is a fast depleting natural resource. Considering the need to manage ground water resources in a sustainable manner, periodic review of Minor Irrigation schemes is very important for policy and planning purposes.

I am glad to know that Department of Water Resources, River Development and Ganga Rejuvenation has prepared the 6th census report on Minor Irrigation schemes wherein key information on all the Minor Irrigation structures has been collected and meticulously compiled after thorough data scrutiny and data validation. The data generated from this census will act as an important input for various policy decisions wherein the expansion in irrigation facilities can be envisaged.

I acknowledge the sincere efforts of entire team of MI (Stat) Wing for successfully completion of the task of conducting the 6th census of Minor Irrigation schemes in the country. I am hopeful that this census report would help in taking crucial decisions in water and irrigation sector of the country.

(Bishweswar Tudu)

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GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
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FOREWORD

Agriculture, in the context of India, is indubitably the largest livelihood provider. It remains a water intensive sector. Keeping in view the variability of monsoon, the impact of climate change on pattern of rainfall, and growing demand for water, augmenting, conserving and efficiently managing the water resources for irrigation is pivotal in ensuring growth in agricultural output and maintaining food security.

Minor irrigation schemes provide a bulwark for the crops against the vagaries of rainfall. Minor irrigation projects, with their short gestation period and lower investments, have been a source of gainful employment and play a significant role in supporting rural economy. A sound and reliable database of minor irrigation is a sine qua non for effective planning and policy making of this sector.

With this objective in view, Government of India has been conducting Census of Minor Irrigation in partnership with the State Governments. So far, 5 Minor Irrigation Census have been conducted with reference year 1986-87, 1993-94, 2001-02, 2006-07 and 2013-14. The present report is for 6th Minor Irrigation Census with reference year 2017-18.

Minor Irrigation Census is a large exercise involving State, District and Village level functionaries of the States/ UTs in collection of data relating to various aspects of minor irrigation. The supervision of the conduct of 6th MI Census was done by Minor Irrigation Statistics Wing of the Department of Water Resources, River Development & Ganga Rejuvenation with overall guidance of National Informatics Centre (NIC) in data processing to States/UTs. The know-how assimilated through previous censuses along with evolution of data collection and processing methods have contributed in no small measure in the conduct of 6th MI Census. Unfortunately, Covid-19 pandemic delayed the census work in almost all the States/UTs.

I am sanguine that the report of the 6th MI Census would be useful for planners, policy makers, research scholars, agricultural and ground water scientists, administrators and all concerned with development of irrigation and agricultural economy of the country.

(Pankaj Kumar)

आज़ादी का अमृत महोत्सव

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PREFACE

Water is a major input for agricultural production and food security in India. The declining trend of water level in the country along with boundless spatial and temporal variation of precipitation indicates that availability of water will become a concern for country's development. In order to overcome these challenges, the significance of irrigation and need for building sustainable irrigation network needs to be given prime importance. Due to small capital requirement, less execution time and better control over flow, Minor Irrigation (MI) schemes have equal importance as that of major and medium irrigation projects. Minor Irrigation schemes contribute a substantial share of irrigation across the country thereby ensuring sustained agricultural and economic growth. Under the Centrally Sponsored Scheme "Irrigation census", MI census was conducted in the States/UTs by different departments including Agriculture, Irrigation/ Water Resources, Planning, Revenue Department, Land Administration, Public Works Department etc.

Due to changing ground water and surface water scenarios, there is widespread use of modern methods of irrigation, in place of traditional methods, which reflects a paradigm shift in the composition of Minor Irrigation schemes. To have a precise information on the distribution and use of different types of minor irrigation schemes, to assess the factors contributing to the gap between Irrigation Potential Created (IPC) and Irrigation Potential Utilized (IPU) and to identify derelict schemes, there was a need for a sound and reliable data on the minor irrigation sector. This could help in assessing the performance of schemes by identifying the gaps and development of strong policy and planning to bring improvement in the schemes in Minor Irrigation sector. In order to fulfill this objective, Five Minor Irrigation Censuses have been conducted.

Department of Water Resources, River Development and Ganga Rejuvenation conducted the 6th Minor Irrigation Census with reference year 2017-18 in 32 States/ UTs except Delhi, Dadra & Nagar Haveli, Daman & Diu and Lakshadweep. Detailed training on concepts & definitions, schedules

& instruction manual used in the 6th MI census was provided to State Census Commissioners and Nodal Officers in the All-India Training Workshop organized by the MI(Stat) Wing of Ministry. Further, 6 Regional Training Workshops were organized covering all States/UTs.

The report provides results at the State and all India level by way of integrated tables supported by various statistical graphs and charts. State-wise census data by specific types of schemes, viz. dug-wells, shallow, medium and deep tube-wells, surface flow and lift schemes along with specific features have also been presented. This volume of report contains the All India analysis of the census data. The State wise analysis has been brought out separately in Volume-2 of the publication.

Shri Pankaj Kumar, Secretary, Department of Water Resources, River Development and Ganga Rejuvenation has been a constant source of inspiration and guidance throughout the 6th MI Census period and up to the finalization of results and preparation of this report. The Minor Irrigation Census Commissioners in the States/UTs have completed the stupendous task of conducting field work with dedication and focus. I express my sincere gratitude to them and also to the States which have hosted the Regional Training Workshops as well as Data Processing Workshops in association with this Ministry. Data processing and finalization of tables would not have been possible without the help of NIC officers - Dr. Ranjna Nagpal, DDG, Shri A K Chakkara, Senior Technical Director and Shri Girish Tiwari, Technical Director. The officers and staff of MI (Stat.) Wing have tirelessly worked in coordination with all the State Nodal Departments and have shown great sense of commitment and sincerity in completion of Census and finalization of report. I specially acknowledge the contribution made by Shri A. Nanda kumar, ex-DDG, Ms. Priyanka Kulshreshtha, DDG, Ms. Soumya P. Kumar, Director, Shri Mukesh Chandra Kukreti, Principal Staff Officer, Shri Arvind Kumar, Dy. Director, Dr. Anshika Bhatnagar, Dy. Director, Shri Anil Kumar, Assistant Engineer, Ms. Heena Gulati, Senior Technical Assistant, Shri Saurabh Katyal, PA, Shri Vijay Kumar Gupta, Steno, Shri Manish Kumar, Shri Kapil Singh, Shri Love Kumar Sharma, DEOs of this Ministry who were actively involved in various stages of 6th MI census work.

The report will help policy makers, planners, researcher scholars, academicians, administrators, scientists, field engineers and all other stakeholders in this field.

(S. R. Meena)
Additional Director General

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HIGHLIGHTS

- 23.14 million Minor Irrigation (MI) schemes were reported in the country from 695 districts and 6,47,394 villages. Out of all MI schemes, 21.93 million (94.8%) are Ground Water (GW) and 1.21 million (5.2%) are Surface Water (SW) scheme. Dugwell has highest amount of share in total number of MI schemes followed by shallow tubewell, medium tubewell and deep tubewell.

- Uttar Pradesh possesses the largest number of MI schemes in the country (17.2%) followed by Maharashtra (15.4%), Madhya Pradesh (9.9%) and Tamil Nadu (9.1%). Leading States in GW schemes are Uttar Pradesh, Maharashtra, Madhya Pradesh, Tamil Nadu and Telangana whereas Maharashtra, Karnataka, Telangana, Odisha and Jharkhand have the highest share in SW schemes. Out of 32 States/UTs, 10 States have more than 10 lakh MI schemes and 7 States have MI schemes ranging between 1 lakh to 10 lakh. Remaining 15 States/UTs have less than 1 lakh schemes.

- There has been increase of about 1.42 million in MI schemes with their number standing at 23.1 million during 6th MI Census as compared to 21.7 million in 5th Census. At the national level, both GW and SW schemes have increased by 6.9% and 1.2%, respectively.

- Correspondingly, Irrigation Potential Created (IPC) and Irrigation Potential Utilized (IPU) from GW schemes has increased in the 6th MI Census. On the other hand, IPC and IPU from SW schemes have declined in the 6th MI Census. This indicates declining dependency of farmers on SW schemes and increasing dependency on GW schemes for meeting their minor irrigation needs.

- At the aggregate level, IPC of MI schemes has marginally decreased (0.76%) from 89.52 million hectares in 5th Census to 88.84 million hectares in 6th Census. Shallow tubewell scheme has the maximum share in IPC during 6th census followed by dugwell and medium tubewell.

- However, IPU has increased (6.1%) from 71.32 million hectares in 5th Census to 75.64 million hectares in 6th Census. Shallow tubewell scheme has the maximum share in IPU during 6th census. Ratio of irrigation potential utilized to potential created has also increased from 79.7% in 5th MI census to 85.1% in 6thMI census.

- A majority of MI schemes (96.6%) continue to remain under private ownership. Most MI structures in India are, therefore, owned by individual farmers or group of farmers and hence it has maximum outreach for irrigation purposes. Within this, small and marginal farmers (having less than 2 ha of land) still own a major share of MI schemes. This underlines the need for strengthening the network of MI structures for irrigation purposes in the country for improving the livelihood of small and marginal farmers.

- Around 60.2% schemes have single source of finance whereas 39.8% schemes have more than one source of finance. In single source of finance, majority of schemes (79.5%) are being financed by own savings of individual farmer, pointing out the need for more financial support to the farmers by the financial institutions.

- Out of 23.14 million MI schemes, 22.32 million schemes (96.4%) have lifting device installed in them for water lifting purpose. Majority of schemes (57.6%) have submersible pump as lifting device followed by centrifugal pump (37.1%).

- The information on source of energy used for operating lifting device for lifting water from the source was collected for 'in use' and 'temporarily not in use' schemes. Majority of these schemes (76%) utilize electricity as source of energy followed by diesel (22.2%).

- There has been an improvement in water use efficiency and decline in wastage of water through use of improved water distribution devices over the years. During 5th MI census, 53% schemes used open channels for conveying water to the fields; this has reduced to 42% in 6th MI census. Correspondingly, the share of efficient water distribution systems like surface pipe, underground pipe, drip and sprinklers has increased. Underground pipe has recorded the highest increase followed by surface pipe and drip.

- Out of 22.44 million 'in use' MI schemes in 6th MI census, about 3.2 million schemes were having constraints in utilisation due to reasons like mechanical breakdown, non-availability of adequate power supply, less discharge of water, etc. However, the share of underutilized schemes has reduced to 14.1% in 6th MI census from 21.1% in 5th MI census.

- Out of all the schemes, 97% are 'in use' whereas 2.1% and 0.9% are 'temporarily not in use' and 'permanently not in use', respectively. 'Less discharge of water' is major reason for conversion of 'in use' MI schemes to 'temporarily not in use' category, whereas in the case of 'permanently not in use' schemes, the major reason for not using the structure is that the schemes have dried up.

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CHAPTER I
GENERAL BACKGROUND

1.1 INTRODUCTION

India has been primarily an agricultural country since ages. As per National Statistics Office (NSO), Ministry of Statistics & Programme Implementation (MoSPI), share of agriculture and allied sector in Gross Value Added (GVA) at constant (2011-12) basic prices of India is around 16% based on an average of last 10 years and also latest Periodic Labour Force Survey (PLFS) report for 2021-22 shows the farms sector's share in the country's employed labour force is around 45.5%.

Water management is a crucial factor for agricultural output and food security. Keeping in view the limited availability of water, the optimum utilization of available water resources becomes more important. Moreover, the distribution of monsoon across the country is also not uniform. Therefore, there is a strong need for irrigation. Irrigation provides a powerful management tool against the vagaries of rainfall and makes it economically attractive to grow high yield seed varieties and to apply adequate plant nutrition as well as pest control and other inputs, thus creating opportunity for a boost in yields. Minor irrigation projects have the advantage of short gestation period, require smaller investment and benefits reach the farmers immediately. Ground Water schemes provide the irrigation throughout the year and are dependable which has helped in sustaining agricultural production over the past years.

1.2 MINOR IRRIGATION SCHEMES

Minor irrigation (MI) schemes are defined as those structures either in ground water or in surface water category having Culturable Command Area (CCA) up to 2,000 ha. The Ground water schemes comprise dug well, dug-cum-bore wells, shallow, medium and deep tubewells. Dug wells covers ordinary open wells of varying dimensions, dug or sunk from the ground surface into water bearing stratum to extract water for irrigation. These are broadly dug-cum-bore wells now-a-days or masonry wells/kutcha wells, from which water is lifted with the help of animals/human. The parameter of the well ranges between 2 to 6 meters and the depth between 8 and 15 meters. The tube wells may be categorized into 3 categories depending up on the depth of bore, capacity of motor/pump set and water discharge capacity during 24 hours. However, for simplicity this has been classified into following 3 categories based on depth of bore alone as the depth of bore is most common and related variable;

i. Shallow tubewells whose depth does not exceed 35 metres
ii. Medium TubeWell whose depth in between 35- 70 metres
iii. Deep TubeWell whose depth in more than 70 metres

The surface water scheme comprises surface flow schemes and surface lift irrigation schemes. The surface flow schemes typically consists of tanks, check-dams, structures and can serve as water

conservation cum ground water recharge scheme. These structures are generally prevalent in hilly regions. Surface lift schemes are generally built in regions where topography does not permit direct flow irrigation from rivers and streams and hence water has to be lifted into irrigation channels. These works are similar to diversion schemes, but in addition, pumps are installed and pump-houses are also constructed.

1.3 SOURCES OF DATA

The main sources of minor irrigation statistical data are (i) Land Use Statistics (LUS) of Ministry of Agriculture & Farmer's Welfare, (ii) Periodical Progress Reports from State Government Departments, (iii) Annual Administrative Report compiled by the State Government Departments, (iv)Ad-hoc reports prepared by various agencies from time to time on the basis of sample survey to access the performance of minor irrigation works, (v) Agriculture Census.

Land Use Statistics

In Land Use Statistics (LUS), the net area irrigated by the government canals, private canals, tanks, tube wells, other wells and other sources are compiled for village/tehsil/district and the State level. Similarly, area irrigated more than once under different crops are also compiled. The Directorate of Economics and Statistics, Ministry of Agriculture Farmer's Welfare, Government of India publishes regularly the national level information with time lag of about 3 to 4 years. The primary data for LUS are collected by village patwaris in prescribed forms by plot to plot enumeration in certain States and are estimated on the basis of sample surveys in other States. The basic enumeration forms are not the same in the States and the instructions for obtaining details of area under irrigation and its sources are inadequate.

Classification of sources of irrigation does not provide data on irrigated area by important sources like private tube wells, dug wells, deep tube wells, diversion schemes and surface lift irrigation schemes. The gross irrigated areas according to different sources in most of the States are also not being compiled in LUS. In case of cropped area irrigated by two different sources, say canal and well, it is recorded under canal only. Data are also based on sample surveys and ad-hoc assessments in certain areas which introduce limitations in its reliability. Besides, the LUS data do not give information on the number of minor irrigation structures.

Periodical Progress Reports

Minor irrigation programs in the States are dealt by different departments under different development sectors. Periodical Progress Reports from these State Government Departments provide financial provision for construction of MI schemes in the public sector and actual construction of MI schemes by Government or local bodies. The structures installed by the farmers from their own efforts are generally not recorded. In case of State irrigation works, the irrigation potential and utilization are

usually estimated on the basis of such assumed duties/water allowances. The reported figures of irrigation potential created by certain scheme during a particular period might have been reduced over a period of time but no depreciation etc., has been taken into account in reporting the figures of cumulative irrigation potential created.

Annual Administrative Report

In certain States there are no field agencies in the minor irrigation department to collect data relating to minor irrigation programs for their annual administrative reports. Further since minor irrigation program is dealt by more than one department of the State, the annual administrative report of irrigation department gives the statistics pertaining to works maintained by that department only.

Ad-hoc Reports

Ad-hoc reports prepared by various agencies from time to time on the basis of sample surveys to access the performance of minor irrigation works. The ad-hoc surveys are sometimes intended to throw light upon the socio-economic impact in certain areas for improving agricultural activities, etc. The data collected on irrigation works under such surveys have a definite purpose and accordingly the priorities and weightage given to irrigation data for such minor irrigation statistics suffer from several deficiencies between the sets of progressive figures compiled on the basis of these statistics.

Agriculture Census

Agriculture Census provides information on the number of irrigation sources by type of social classes and size class of farmers owning these assets, etc. Agricultural Census also provides data on area irrigated by the different sources of irrigation by social classes as well as by size class of holding of farmers once in five years.

Cost of Cultivation Studies (CCS)

Cost of Cultivation Studies are conducted to estimate the average cost of cultivation of different crops across States by the Agricultural Universities and also provide some information on use of minor irrigation schemes and State-wise/Crop-wise cost of irrigation by different sources. However, these data are not available for analysis and further use by various stakeholders for policy purposes.

CHAPTER II
DEVELOPMENT OF MINOR IRRIGATION AND ITS ORGANIZATIONS IN THE STATES

2.1 Development of Minor Irrigation

Water being a State subject, steps for augmentation, conservation and efficient management of water resources are primarily undertaken by the respective State Governments and Union Territories. In order to supplement the efforts of the State Governments, Central Government provides technical and financial assistance to them through various schemes and programmes for development of this sector. Minor irrigation sector in the Government of India is handled by Department of Water Resources, River Development and Ganga Rejuvenation(DoWR, RD&GR), Agriculture & Farmer's Welfare, Rural Development and Ministry of Tribal Affairs. Similarly, at the State level, respective Ministries and departments of Water Resources, Agriculture and Rural Development deal with the sector.

Several initiatives have been taken towards providing financial assistance to different States to construct minor irrigation schemes, either through Department of Irrigation/Minor Irrigation, Water Resources Development or under PWD/local bodies for development of MI works and for management of on-farm irrigation system and water distribution devices. Further, in many States, subsidy is being provided for construction of minor irrigation works for drilling/boring of tube wells, for digging of wells, purchasing of water distribution devices and micro-irrigation equipments like pipes, drip and sprinklers systems.

In the States, no single Government Department is involved in development of minor irrigation works and a large number of private works are being constructed over the years in the States with or without support from State Government. Therefore, co-ordination and monitoring of information about minor irrigation works becomes difficult at the State level. A detailed census of minor irrigation works was first recommended by Planning Commission in 1970. The National Commission on Agriculture examined in detail the status of minor irrigation in India and recommended that a census of irrigation sources be carried out once in five years.

Keeping this in view, a central scheme "Rationalisation of Minor Irrigation Statistics (RMIS)" was launched in 1987-88 with 100% Central assistance to the States/UTs. During the XIth Five Year Plan, the RMIS scheme became part of the Central Sector Plan scheme "Development of Water Resources Information System (DWRIS)". During the XII Plan, RMIS was a sub-component of "Irrigation Census" component of the plan scheme DWRIS.

Currently Irrigation Census (parent component of "RMIS") is a standalone component under umbrella scheme- Pradhan Mantri Krishi Sinchai Yojana (PMKSY) and other schemes. PMKSY has been formulated with the vision of extending the coverage of irrigation "Har khet ko pani" and improve water use efficiency "more crop per drop" in a focused manner with end to end solution on source creation, distribution, management, field applications and extension activities. PMKSY not only focuses on

creating water resources for assured irrigation, but it is also creating protective irrigation by harnessing rain-water at micro level- “Jal Sanchay” and “Jal Sinchan”.

2.2 The main objective of the RMIS scheme is to build up a comprehensive and reliable database in the minor irrigation (MI) sector for effective planning and policymaking. The major activity under the scheme is the census of minor irrigation schemes conducted in the States/UTs covering all ground water and surface water schemes (which are mostly under private ownership up to 2000 ha.). In the MI Census, detailed information on various parameters like irrigation sources (dug well, shallow tube well, medium tube well, deep tube well, surface flow and surface lift schemes), irrigation potential created (IPC), potential utilized, ownership, holding size of land by owner, devices used for lifting water, sources of energy, energy conserving devices such as sprinkler and drip irrigation, use of non-conventional energy sources such as solar pumps, wind mills etc. is collected.

So far, five censuses have been conducted with reference years 1986-87, 1993-94, 2000-01, 2006-07 and 2013-14. The scope of the “Irrigation Census” scheme has been enlarged by the launch of First Census of Water Bodies in convergence with 6th minor irrigation Census (with reference year 2017-18) with the objective of developing a national database for all water bodies. The convergence of 6th MI census and census of Water Bodies offers substantial savings in resources on planning, training of field staff, field work, scrutiny, data entry, validation etc. because the coverage area of both the censuses in rural areas is the same.

2.3 For the implementation of the scheme, each State/UT identifies a Nodal Department for collection, compilation and dissemination of information for the State. State Statistical Cells are generally created within the Nodal Department so identified by the State Government. These Cells assist the Head of the Nodal Department or Census Commissioner in the State in organising, coordinating and supervising the Census as an when planned by the Ministry.

CHAPTER III
CENSUS OF MINOR IRRIGATION SCHEMES

3.1 MINOR IRRIGATION SCHEMES

All ground water schemes and surface water schemes (both flow and lift) having Culturable Command Area (CCA) of less than 2000 hectare individually are classified as minor irrigation schemes. Minor irrigation schemes are categorized into six types: (1) Dug wells/dug-cum-bore wells (2) Shallow Tube wells (3) Medium Tube wells and (4) Deep tube wells comes under the category of Ground water schemes whereas (5) Surface flow schemes and (6) Surface lift schemes comes under the category of Surface water schemes.

The need for conducting the census of minor irrigation arose as it was felt that a database of these schemes will serve the planning, development and management needs of irrigation in the country which contributes to growth of agriculture in a big way. For effective implementation of policy and planning, sound database regarding minor irrigation sector is a must. So far five minor irrigation censuses have been conducted in order to meet this objective.

3.2 MINOR IRRIGATION CENSUS-CHRONOLOGY

- The first census of minor irrigation schemes was conducted with reference year 1986-87 and the report was published in November 1993.
- The 2nd MI census with reference year 1993-94 was initiated in September 1994 and the report was published in March 2001. The information in respect of adoption of newly developed technology of Water and Energy Conserving Devices such as Sprinkler and Drip Irrigation System and use of Non Conventional Energy sources such as Solar Pumps and Wind Mills was collected in this Census. For the first time the census data was computerized with the help of National Informatics Centre and the results were put on the website of the Ministry.
- The 3rd census of M.I. schemes with reference year 2000-2001 was conducted in 33 States/UTs. The report was released in November 2005. Data entry was initiated at district level in States as against State Headquarters during 3rd MI census.
- The 4th Census of MI schemes was conducted with reference year 2006-07 and the number of schedules was reduced from 6 to 3 in this Census –one village schedule, one ground water schedule covering all types of ground water schemes and one surface water schedule for surface water schemes. This Census also saw the introduction of new items of data collection like cost and source of funding of MI schemes, sources used to energise these schemes etc. The national report of 4th MI census was published in 2014.
- The 5th Census of minor irrigation schemes was conducted with reference year 2013-14.

- For the first time, a new category of MI scheme namely- Medium tube well (with depth ranging from 35 to 70 m) was introduced under Ground water MI scheme, as per needs of State Government to capture the rapid changes in the ground water sector.
- New items of data collection like number of lifting devices, more than one sources of energy and sources of finance were added in the scheme schedules in order to capture the diversities in the types of lifting devices, funding pattern, subsidy and sources of energy employed by the owners of minor irrigation schemes.
- A dedicated online portal for 5th MI Census was designed and maintained by National Informatics Centre. In the 5th MI Census online data entry and validation was attempted for the first time using this portal which facilitated real time progress monitoring of data entry/validation both by Central and State Governments.
- The national report of 5th MI census was published in 2017.

3.3 6th MINOR IRRIGATION CENSUS

The 6th Census of minor irrigation schemes was conducted with reference year 2017-18. Three schedules namely village schedule, ground water schedule and surface water schedule were canvassed in this Census. The First Census of Water Bodies was conducted in convergence with the 6th Minor Irrigation schemes, for which two additional schedules namely urban schedule and water body schedule were canvassed. The report of the First Census of Water Bodies has been published. The format of schedules of MI census is provided at Appendix-IV.

The changes which were incorporated in 6th MI census as compared to 5th MI census are as follows:

- The information about gender of the owner of MI scheme was also collected in case of individual ownership, along with social status of owner.
- In 5th Census, only pre-monsoon average ground water level in a village was taken. In 6th Census, post-monsoon average ground water level was also canvassed in village schedule.
- If a MI scheme is in the command area of any major/medium irrigation scheme, name of major/ medium scheme was also collected in 6th census along with its reasons.
- The schemes meant only for recharge of Ground water was also covered in 6th MI Census.

The field work of the minor irrigation Census was commenced in 2018-19. Training was imparted to State Government officials in Regional Data processing Workshops and States/UTs started data entry and validation work on the online portal. Meanwhile tabulation plan prepared by MI-Stat. Wing was

shared with National Informatics Centre. After completion of data entry and validation by the States/UTs, comments of the States/UTs on certain broad parameters were sought after scrutiny and thorough consistency checking of data emerging from the tabulation reports at the Central level. After rectification, if any, by State Governments, data on online portal was freezed in order to generate the final tables on various parameters. After receiving comments on final tables from all States, the State level reports were generated and State level data was aggregated to finalize the National level report in present form. The following tables have been generated from the 6th MI Census.

Integrated Tables:

These tables contain State wise aggregate data for the reference year 2017-18 for all types of schemes on key items viz. Number, Irrigation Potential Created, Irrigation Potential Utilized for MI schemes, Crop-wise irrigation, Sources of finance for construction of schemes in private sector, distribution of MI schemes- by social category, type of farmers, e.g., marginal, small, big farmers, use of distribution devices, constraints in utilization of MI schemes.

Scheme-wise tables:

These contain detailed tables on other important aspects of ground water and surface water MI schemes separately by each type of scheme. The items covered are ownership of scheme, cost of construction, distribution device, social status of owner, type and status of scheme, source of finance and water lifting device. The scheme-wise tables also provide data for each State/ UT separately on each item. District level data is available on the website of the Ministry and data upto village level will also be made available in the Open Government Data (OGD) platform (http://data.gov.in) as per the National Data Sharing & Accessibility Policy (NDSAP), Government of India.

CHAPTER IV
METHODOLOGY OF MINOR IRRIGATION CENSUS

4.1 METHODOLOGY OF DATA COLLECTION

In the 6th MI Census, the traditional methodology i.e. canvassing paper based schedules for capturing the village level data and the MI scheme data from the rural areas was used.

The MI Census data was collected through canvassing different schedules for the village and minor irrigation schemes. The Village schedule was canvassed by the Patwaries through revenue / land records maintained in the office of Government authorities and enquiries from village level workers/gram pradhans etc. Scheme related schedules were canvassed by the enumerators through enquiries from the owners of the schemes. In case of institutional schemes, the information was collected through available records. The schedules of enquiry along with instructions/ guidelines for filling them were provided separately.

Along with the field work, supervision and checking was done by:- i. Enumerator's supervisor, ii Block level officers iii. District level officers iv. State level officers as per the prescribed norms. After thorough scrutiny of schedule, the data entry was done at the District or block level on the online portal developed by NIC. The validated data was again examined at the Central Level before generation of final table.

4.2 COORDINATION MECHANISM

A Steering Committee was constituted at the Central level under the Chairmanship of Secretary and members from NITI Aayog, Central line Ministries like Ministry of Agriculture, Rural Development, Panchayati Raj, Housing and Urban Affairs, Home Affairs, Statistics and Programme Implementation, State Governments of Rajasthan, Uttar Pradesh, Telangana, Haryana, West Bengal and Sikkim apart from Central Water Commission and Central Ground Water Board to guide and advise about the conduct of 6th MI Census. The methodology of the Census, schedules etc. were finalised in the Steering Committee.

Steering Committees were also formed in each State with Secretary of the Nodal Department as Chairman and members from the State Departments of Revenue, Irrigation, Panchayati Raj, State Planning, Directorate of Economics and Statistics, Rural Development and State head of National Sample Survey Office (Field Operations Division) to provide technical inputs and guide the State Nodal Statistical Cell during the Census operations. The Regional Chief Engineer of Central Water Commission and a representative from regional office of Central Ground Water Board were also members of this Committee, wherever possible. Teams were also formed at State level which included officers of the State Statistical Cell for conduct of census in the State. These teams were entrusted with the work of training, monitoring, coordination and supervision of the Census exercise in the State. Thus the

technical staff of the State Statistical Cells were trained during the State level trainings organized by the Centre.

4.3 FIELDWORK

The 6th MI Census was conducted under the overall charge of Census Commissioner who is a senior Officer of the Nodal department of State/UT concerned. The fieldwork was either undertaken by the Nodal department itself or entrusted/outsourced to some other agencies which the State/UT Government considered fit keeping in view infrastructure available with it under intimation to this office. The primary work of collection of data was carried out by the enumerators who were either village level workers or village accountants or Lekhpals or Patwaries or any other official designated by the State/UT Government. The work of supervision was entrusted to higher supervisor level officers of the field agency. The overall quality of field work was to be monitored by Block/District level/ State officers, who in order to ensure the correctness of data, could conduct frequent site visits of the schemes and check the entries made by primary enumerators.

The primary enumerators were required to take along-with them the list of all schemes covered in the last census while going for field work. He was supposed to visit and cover all these schemes again. He was also required to find out from village officials/knowledgeable people, any new MI schemes which had started functioning after last census.

The primary enumerators, while canvassing the schedules, visited the owner of the minor irrigation schemes or its next neighbour and collected information on the basis of personal enquiry from him. The physical verification of the schemes was also done by the enumerators. The purpose of the Census was explained to the farmers/owners to win over their confidence in revealing the specific information in respect of minor irrigation schemes as the case may be with the assurance that the data furnished by them would be kept confidential.

After filling up the schedules, the enumerators were required to deposit all completed schedules to their immediate supervisor for scrutiny. The enumerators were also required to prepare the summary of all village schedules, schemes schedules in the prescribed format and submit it to his immediate supervisor.

4.4 SUPERVISION AND INSPECTION

Primary enumerators for field work were either village level workers or village accountants or Lekhpals or Patwaries or any other official designated by the State/UT Government. The work of supervision was entrusted to higher supervisor level officers of the field agency. However the overall quality of field work was monitored by Block/District/State level officers, who in order to ensure the correctness of data conducted frequent site visits of the schemes as per prescribed norms and checked the entries made by primary enumerators. In addition, Central team along with the State Statistical Cell officials conducted field visits in the States/UTs and checked the quality of field work.

4.5 SAMPLE CHECK

The block level officer were required to visit atleast 5 villages in his block and physically verify the schemes, quality of census and the extent of coverage of schemes in the village and scrutinize 35% of MI scheme schedules and 100% village schedule. This was introduced in the 6th MI Census for ensuring better quality of data. This scrutiny was done for just 10% of scheme schedules during 5th MI Census. This was to be carried out by the immediate supervisory officer of the enumerator in the field agency.

On completion of the scrutiny and after the field visits; block level officer was required to fill up the supervisor's report form and submit all the schedules to the district level officer concerned. At least 1% of the total schedules or 100 schedules, whichever is maximum, were supposed to be selected at random and scrutinized by the district level officer. The district level officer was advised to visit atleast 5 villages in 5 separate blocks to physically verify the quality and coverage of the MI schemes schedules. After the completion of inspection of the field work and scrutiny of the schedules; the supervisor's report form was to be filled up by the district level officer and submitted to the State Nodal office.

The Monthly Progress Reports on the Census were sent by the State adequately reflecting the scrutiny /inspection details sent by Block/ District level officer along with progress of field work and data entry. The filled up schedules were handed over by the State Nodal Office to the selected agency for data entry wherever in-house data entry was not possible. For the processing of data, the web based online software developed by Central NIC, was used for data entry, validation, tabulation etc.

Frequent inspections and sample checks were conducted by officers from the State Statistical cells for ensuring data quality. Field visits were also done by the Central team from the Department of Water Resources, RD & GR.

4.6 COMPUTERISATION OF CENSUS DATA

NIC had developed the online software for computerisation of data of 6th MI Census and provided technical support alongwith training in the Regional Data Processing Workshops organized by the Ministry in association with the host States.

This was followed by State level trainings organized by the State Census Commissioner. The user ID and password for accessing the online portal were provided to the State nodal officers by the time. Online data entry, validation etc. were done by States/UTs.

The Census data entered in the online portal by the States/UTs was again scrutinized at the Central level and observations/queries thereon were referred to States/UTs for possible corrections/clarification. On-line tables were generated on the portal on the basis of data fed by States/ UTs. After receipt of comments from States and due rectification, the online tables generated through portal were analysed and aggregated for compiling National Level Report. The State Census Commissioners may use the data as available on the online portal for generating micro level tables as per their requirement.

4.7 TRAINING AND CAPACITY BUILDING FOR DATA COLLECTION

The Training for the 6thMI Census commenced formally with the organisation of the All India Training Workshop for the Trainers at New Delhi in which officers from each State/UT participated. In addition, Six Regional Training Workshops were conducted for Northern, Southern, Eastern, Western, Central and the North Eastern regions covering all States/UTs. Apart from training on concepts, definitions, schedules and instruction manual, field training was also imparted to officials from State Governments/UT Administration in these Workshops. These Workshops were attended by 3-4 participants from each State/UT who imparted the next level State trainings organised by the Minor Irrigation Census Commissioners at the State and District Headquarters in which the district level officers and block level officers/enumerators respectively were trained. A representative from the Centre generally participates as an Observer in some of such State level trainings. In addition, the District level officers from all the districts, State level NIC officers, State Agricultural Statistical Agency/Directorate of Economics and Statistics Head attended the State trainings. The details of the methodology adopted for the census, its procedure, concepts and definitions etc. were discussed thoroughly and necessary clarifications were also given in such trainings.

Four Regional Data Processing Workshops were also organized in which officers from all State/ UTs were imparted detailed training on various modules of the online web-based software developed by NIC for 6th census. Suggestions/feedback received from the States/UTs in these workshops was also incorporated in the software. The State /UT level officers trained in these Workshops imparted further training in their respective States/UTs.

4.8 FINANCIAL ASPECTS

As a token of appreciation of work entrusted to various officials in addition to their normal duties and not as compensation or remuneration for additional work, the officials who are involved in the inspection of field work and schedules at the District/ Block levels were paid suitable honorarium which was drawn from the grants released to the States/UTs by the Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti for the 6th MI Census. Funds for contingency were also provided for various trainings/meetings or any other unforeseen miscellaneous expenditure of contingent nature which can arise during the conduct of the Census.

4.9 MONITORING PROCESS

The State/UT Governments were required to submit Monthly Progress Report regarding the various phases of Census work in the prescribed Performa to the Ministry by email/ by post or by Fax. Further, Progress Monitoring module available in the online web based software developed by NIC also enabled to view the real-time progress in data entry and validation phases of Census work. The progress of the Census work at the central level was also regularly reviewed in Weekly/Monthly meetings of senior officers in the Ministry. The key issues related to progress are also taken up with senior officers of States/UTs through Video Conferences and visits to States/UTs, apart from review meetings with officers of States/UTs in the Ministry. This helped in monitoring the progress of Census work and ensuring remedial measures wherever called for.

CHAPTER V
ANALYSIS AND KEY FINDINGS

The 6th Census of minor irrigation schemes with reference year 2017-18 was conducted across the country covering 695 districts. It involved large scale collection of data of about 23.1 million minor irrigation structures and was completed by primary workers in the States/UTs under the overall supervision of State Nodal Departments for compilation minor irrigation statistics under 'Irrigation Census' scheme. 6th minor irrigation census report covers important information on all ground water and surface water schemes in respect of 32 States/UTs except Delhi, Daman & Diu, Dadra & Nagar Haveli and Lakshadweep.

5.1 KEY FINDINGS:- Key findings of this Census, parameter wise analysis, scheme wise analysis and comparison with 5th Census are summarized as under:-

- Ground water still accounts for major share (94.8%) of all the minor irrigation schemes in the country. At the national level, among Ground water schemes, dugwell and shallow tubewell are declining whereas an increase has been observed in medium and deep tubewell. Similarly among surface water schemes, surface lift schemes are declining whereas surface flow schemes are increasing.

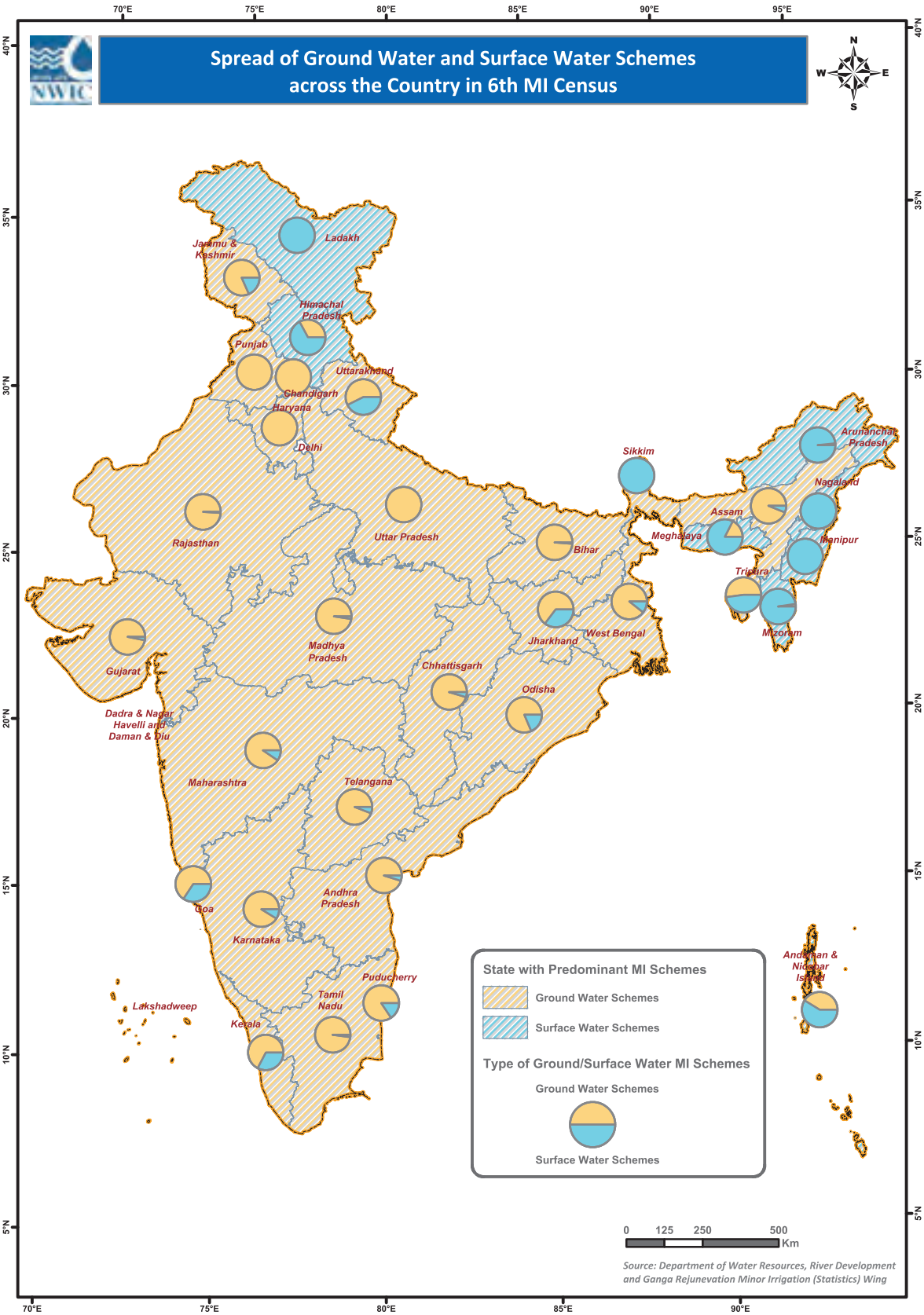
- Correspondingly, Irrigation Potential Created (IPC) and Irrigation Potential Utilized (IPU) from Ground water schemes has increased in the 6th MI Census. While, IPC and IPU from Surface water schemes has declined in the 6th MI Census. This implies declining dependency of farmers on surface water schemes and increasing dependency on Ground water schemes for meeting their minor irrigation needs. So, in order to decrease the dependency of farmers on ground water and to reduce the further depletion of ground water, surface water sources need to be restored in order to continue to derive irrigation benefits from them.

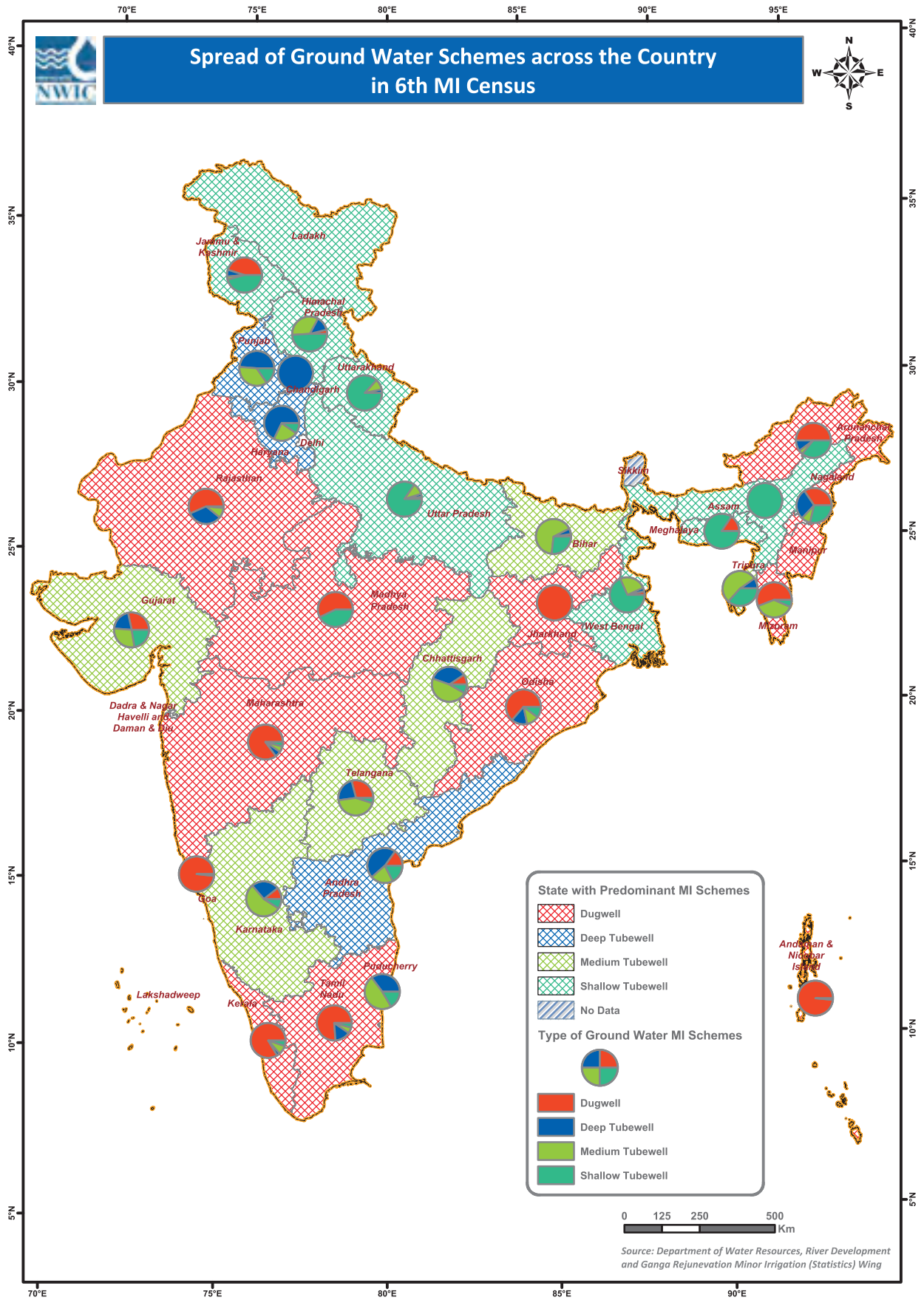
- 96.6% minor irrigation schemes continue to remain under private ownership whereas 3.4% are under public ownership. Most MI structures in India are, therefore, owned by individual farmers and hence it has maximum outreach for irrigation purposes. Within this, small and marginal farmers (having less than 2 ha of land) still own a major share of minor irrigation schemes. This emphasizes the need for strengthening the network of MI structures for irrigation purposes in the country which, in turn, will play a crucial role in improving the livelihood of these farmers.

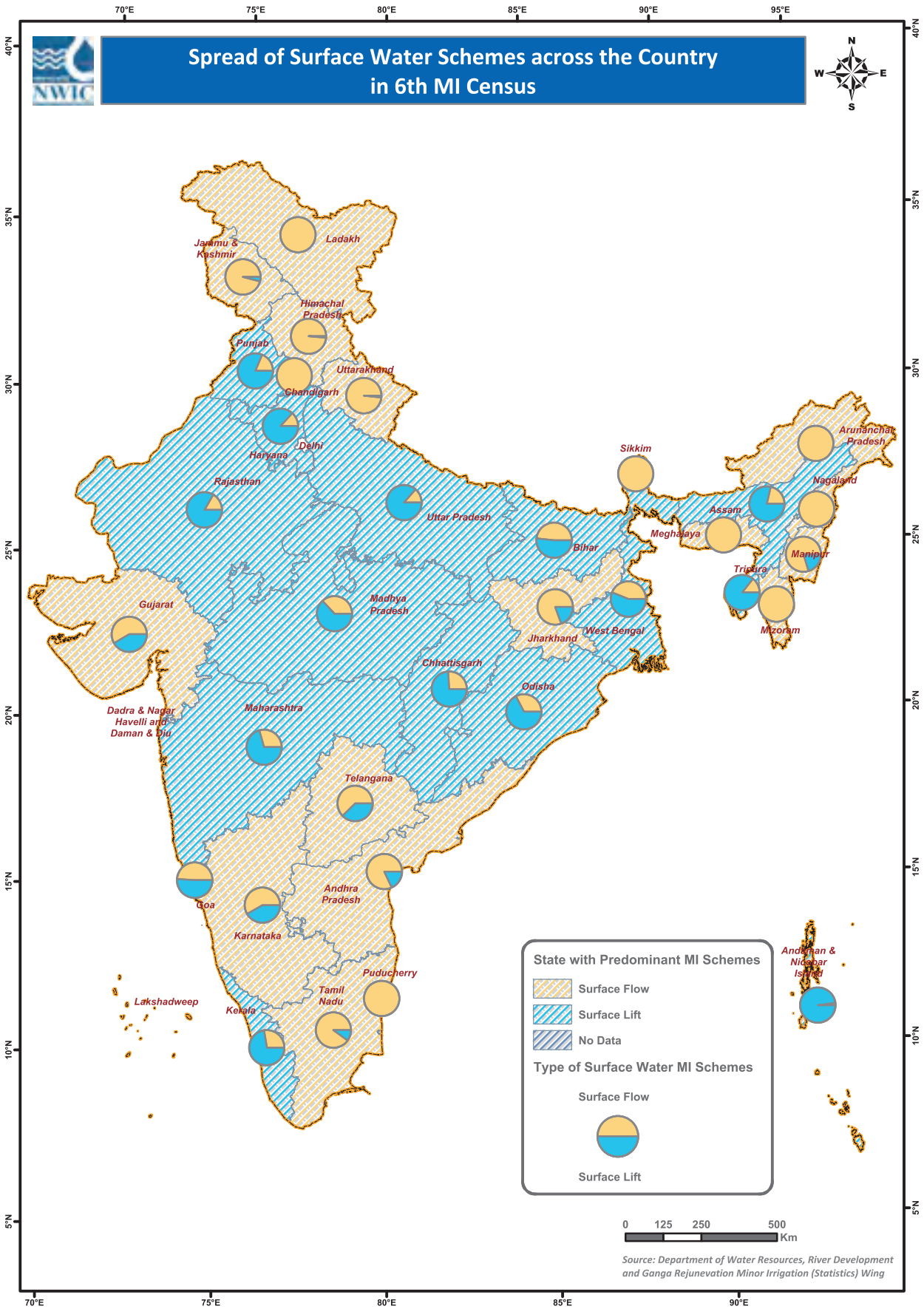
- Own saving of the farmers continues to be the major source of financing for installation of minor irrigation schemes, pointing out the need for more financial support to the farmers by the financial institutions.

- Though the share of open channels for conveying water to the fields has reduced in 6th MI census, it still remains the major mode of water distribution. Correspondingly, the share of efficient water distribution systems like surface pipe, underground pipe, drip and sprinklers has

increased. Surface pipe has recorded the highest increase, followed by underground pipe, sprinkler and drip.

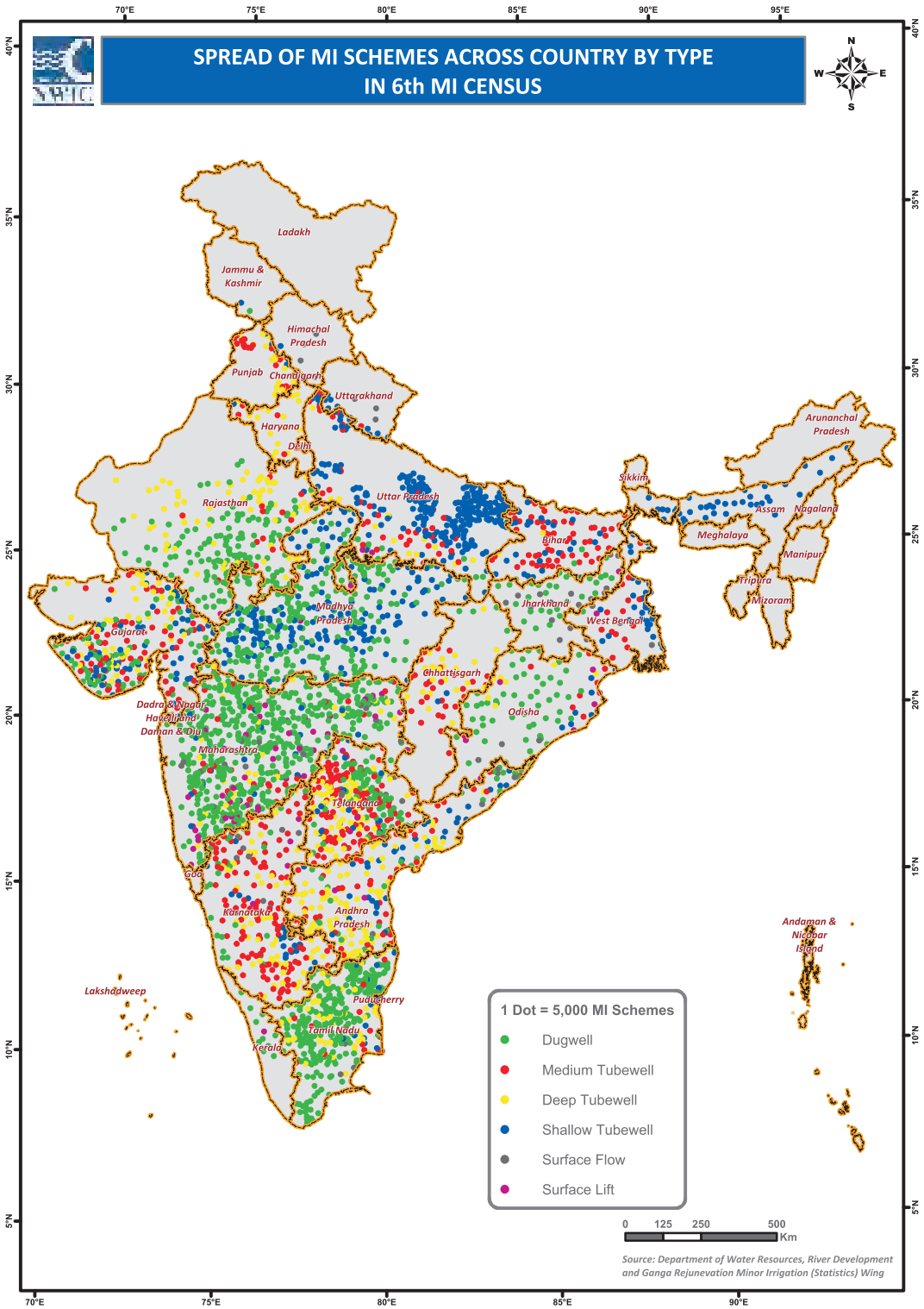



Spread of Ground Water Schemes across the Country
in 6th MI Census
NWIC
N
W
E
S
70°E
75°E
80°E
85°E
90°E
95°E
40°N
35°N
30°N
25°N
20°N
15°N
10°N
5°N
Jammu & Kashmir
Ladakh
Himachal Pradesh
Punjab
Uttarakhand
Chandigarh
Delhi
Haryana
Rajasthan
Uttar Pradesh
Bihar
Sikkim
Arunachal Pradesh
Nagaland
Assam
Meghalaya
Manipur
Tripura
Mizoram
Gujarat
Madhya Pradesh
Jharkhand
West Bengal
Chhattisgarh
Odisha
Dadra & Nagar Havelli and Daman & Diu
Maharashtra
Telangana
Goa
Andhra Pradesh
Karnataka
Puducherry
Tamil Nadu
Kerala
Lakshadweep
Andaman & Nicobar Islands
State with Predominant MI Schemes
Dugwell
Deep Tubewell
Medium Tubewell
Shallow Tubewell
No Data
Type of Ground Water MI Schemes
Dugwell
Deep Tubewell
Medium Tubewell
Shallow Tubewell
0 125 250 500
Km
Source: Department of Water Resources, River Development and Ganga Rejunevation Minor Irrigation (Statistics) Wing


Spread of Surface Water Schemes across the Country in 6th MI Census
NWIC
N
W
E
S
70°E
75°E
80°E
85°E
90°E
95°E
40°N
35°N
30°N
25°N
20°N
15°N
10°N
5°N
Jammu & Kashmir
Ladakh
Himachal Pradesh
Punjab
Uttarakhand
Chandigarh
Delhi
Haryana
Rajasthan
Uttar Pradesh
Bihar
Sikkim
Arunanchal Pradesh
Nagaland
Assam
Meghalaya
Manipur
Tripura
Mizoram
Gujarat
Madhya Pradesh
Jharkhand
West Bengal
Chhattisgarh
Odisha
Dadra & Nagar Havelli and Daman & Diu
Maharashtra
Telangana
Andhra Pradesh
Goa
Karnataka
Puducherry
Tamil Nadu
Kerala
Lakshadweep
Andaman & Nicobar Islands
State with Predominant MI Schemes
Surface Flow
Surface Lift
No Data
Type of Surface Water MI Schemes
Surface Flow
Surface Lift
0 125 250 500
Km
Source: Department of Water Resources, River Development and Ganga Rejunevation Minor Irrigation (Statistics) Wing

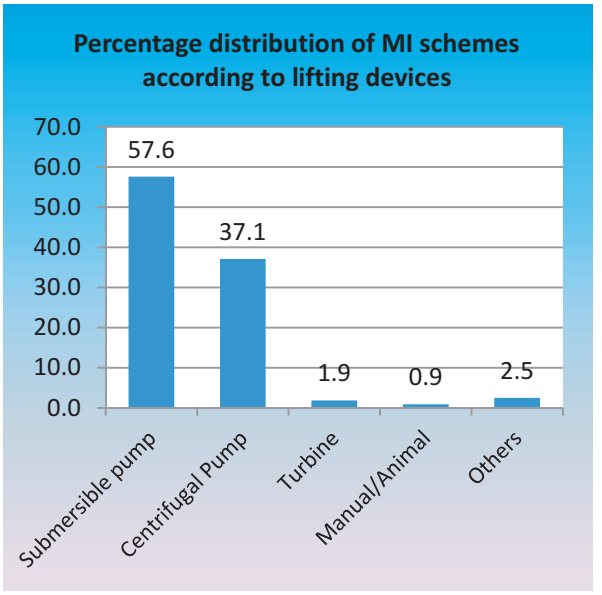
Spread of MI schemes in 6th and 5th MI Census

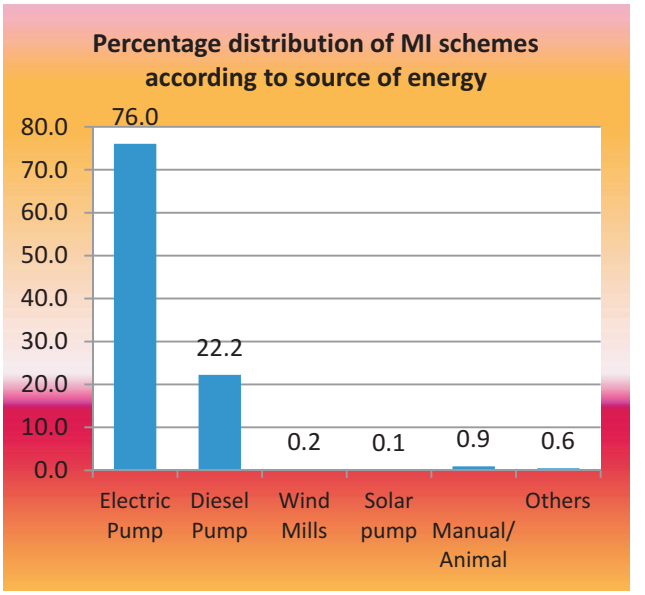
	Dugwell	Shallow Tubewell	Medium Tubewell	Deep Tubewell	Surface Flow	Surface Lift	Total (All schemes)
6th MIC	8278425	5585106	4318146	3750247	611059	595981	23138964
5th MIC	8785599	5940701	3176792	2618792	592156	600093	21714133



Total number of MI schemes in the country has shown an increase of 14.2 lakhs in 6th MI Census as compared to 5th MI Census. Scheme wise analysis reveals an increase in the number of medium tubewells, deep tubewells and surface flow schemes. Number of dugwells, shallow tubewells and surface lift schemes in the country have recorded a decline in 6th MI Census.

- During 6th MI census, the information on lifting device was collected for 'in use' and 'temporarily not in use' schemes which comes under the category of ground water and surface lift schemes. Majority of schemes i.e 57.6% have submersible pump followed by 37.1% centrifugal pump, 1.9% turbine whereas 3.4% are operated by manual/animal lifting and other devices.
- 76% schemes are using electricity as source of energy followed by diesel pumps in 22.2% schemes. The percentage distribution of schemes according to lifting devices and source of energy is shown in the chart given below.





5.2 ANALYSIS OF MI SCHEMES BY NUMBER, IPC/ IPU AND OTHER PARAMETERS:

5.2.1 Number of Minor Irrigation schemes:

There has been increase in the number of minor irrigation structures in the country as observed during the 6th MI Census as compared to that in the 5th Census. In all 23.1 million MI structures were enumerated in 6th Census as against 21.7 million found during the 5th census which shows an increase of about 6.6% in total number of MI structures in India.

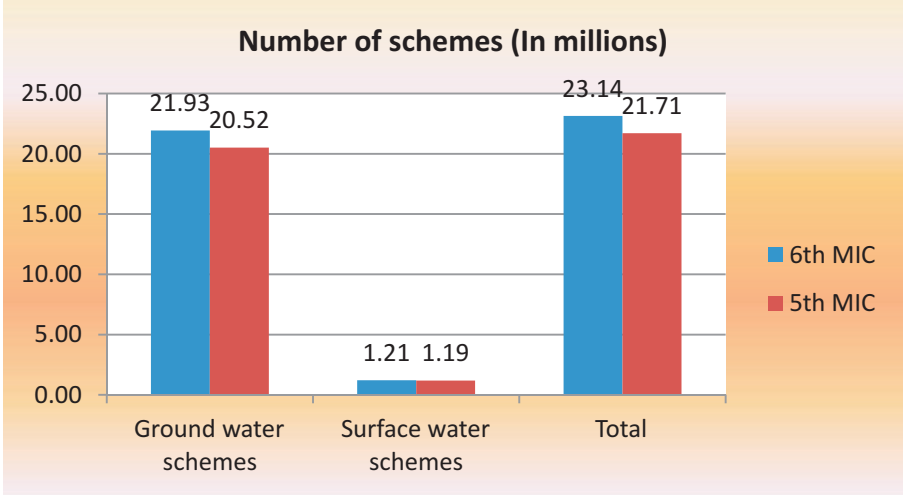
Uttar Pradesh possesses the largest number of MI schemes in the country (39.76 lakhs, 17.2%) followed by Maharashtra (35.73 lakhs, 15.4%), Madhya Pradesh (22.85 lakhs, 9.9%) and Tamil Nadu (21.15 lakhs, 9.1%). These four States contribute 52% of the total MI schemes in the country. If we include another 7 States namely, Telangana, Rajasthan, Karnataka, Gujarat, Andhra Pradesh, Punjab and Bihar; almost 91.0% schemes are covered in these 11 States. Out of 32 States/ UTs, 10 States have more than 10 lakh MI

schemes and 7 States have MI schemes ranging between 1 lakh to 10 lakh. Remaining 15 States/UTs have less than 1 lakh schemes.

State-wise Number of Schemes in 6th MI Census

Name of State	Number of MI Schemes	Percentage in Total	Cumulative
Uttar Pradesh	3976317	17.2	17.2
Maharashtra	3572864	15.4	32.6
Madhya Pradesh	2285293	9.9	42.5
Tamil Nadu	2114909	9.1	51.6
Telangana	1679868	7.3	58.9
Rajasthan	1491073	6.4	65.3
Karnataka	1405215	6.1	71.4
Gujarat	1396085	6.0	77.5
Andhra Pradesh	1190964	5.1	82.6
Punjab	1175489	5.1	87.7
Bihar	700635	3.0	90.7
Odisha	510581	2.2	92.9
West Bengal	370941	1.6	94.5
Chhattisgarh	349922	1.5	96.0
Jharkhand	252663	1.1	97.1
Haryana	220200	1.0	98.1
Assam	161829	0.7	98.8
Others	284116	1.2	100

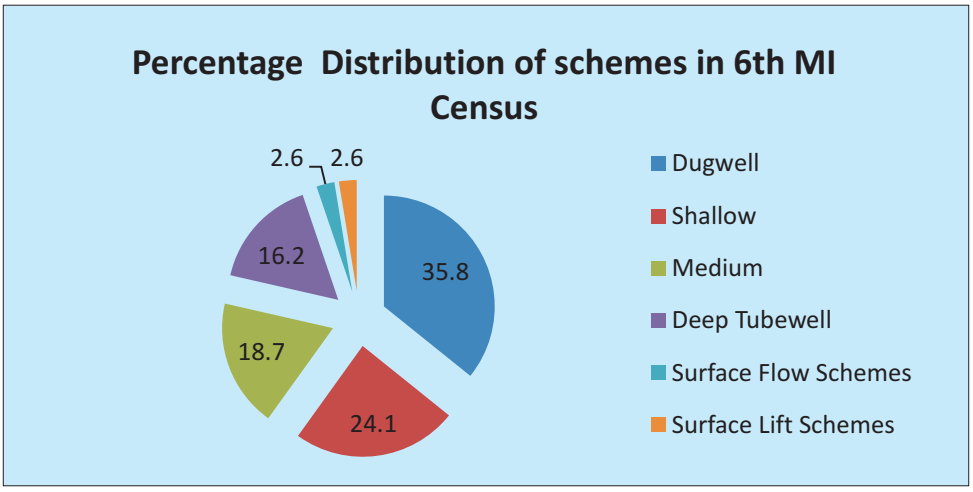
There has been significant growth of 6.9 % in Ground Water schemes from 20.52 million to 21.93 million during the period 2013-14 to 2017-18 whereas a marginal growth of 1.2% has been observed in Surface Water schemes from 1.19 million to 1.21 million in the same period which is also shown in the graph given below.



In Ground Water schemes, Uttar Pradesh possesses largest number of schemes followed by Maharashtra, Madhya Pradesh, Tamil Nadu and Telangana. In Surface Water schemes, Maharashtra possesses largest number of schemes followed by Karnataka, Telangana, Odisha and Jhakhand.

Leading States in number of Ground Water schemes	Leading States in number of Surface Water schemes	Leading States in total number of schemes
• Uttar Pradesh	• Maharashtra	• Uttar Pradesh
• Maharashtra	• Karnataka	• Maharashtra
• Madhya Pradesh	• Telangana	• Madhya Pradesh
• Tamil Nadu	• Odisha	• Tamil Nadu
• Telangana	• Jharkhand	• Telangana

Percentage Distribution of MI schemes by type: During 6th MI census, dugwell schemes have major share followed by shallow tubewells which is also depicted from the pie- chart given below.



Leading States in number of MI schemes by type

From the above chart, it is observed that for each type of MI scheme, different States are leaders (in terms of largest number of MI schemes of a particular type) indicating the varying topography of different States. Maharashtra is the leading State in dugwells, surface flow and surface lift schemes whereas Uttar Pradesh, Karnataka and Punjab are the leading States in shallow tube wells, medium tubewells and deep tubewells respectively.

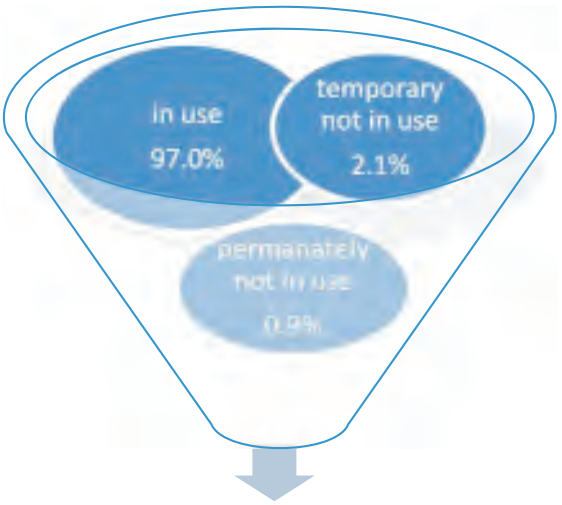
Number of MI schemes during 5th and 6th Census (in lakhs)

	5th MI Census	6th MI Census	Growth (%)
Dugwell	87.86(40.5%)	82.78(35.8%)	-5.8
Shallow Tubewell	59.41(27.4%)	55.85(24.1%)	-6.0
Medium Tubewell	31.77 (14.6%)	43.18 (18.7%)	35.9
Deep tubewell	26.19(12.1%)	37.50(16.2%)	43.2
Ground Water	**205.22(94.5%)**	219.32(94.8%)	6.9%
Surface flow	5.92(2.7%)	6.11(2.6%)	3.2
Surface lift	6.00(2.8%)	5.96(2.6%)	-0.7
Surface Water	**11.92(5.5%)**	12.07(5.2%)	2%
Total	**217.14**	231.39	6.6%

From the above table and pie-chart, it is evident that share of ground water in minor irrigation sector has increased. Almost 94.8% schemes in 6th MI Census are Ground Water schemes and predominance of dugwells and shallow tubewells has been observed during 6th MI census which was the case during the 5th MI Census also. However, there has been decline of about 5.8% in the number of dugwells from 87.86 lakhs to 82.78 lakhs from 5th MI census to 6th MI census respectively.

There is a significant increase of 43.2% in number of deep tubewells from 26.19 lakhs to 37.50 lakhs. Surface flow schemes have also increased by 3.2% but surface lift schemes have reduced by 0.7%. While the share of Ground Water schemes in minor irrigation sector has increased, the share of dugwells has declined from 40.5% to 35.8%.

Number of Schemes by status of use: During 6th MI census, share of total 'In use' schemes has marginally increased whereas the share of both 'Temporarily not in use' and 'Permanently not in use' schemes has slightly declined as compared to 5th MI census.

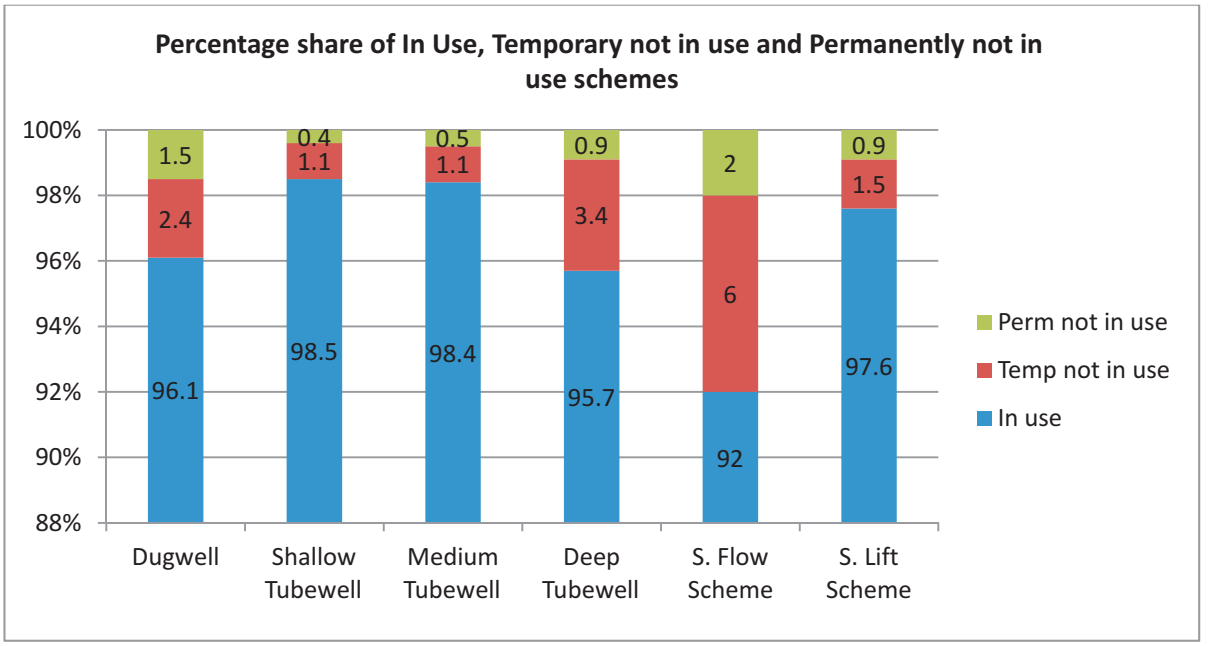


MI schemes by status of use

From the table and chart given below, it is evident that shallow tubewells are most utilized type of scheme by status of use (98.5%) followed by medium tubewells (98.4%). More than 95% schemes are in use in all types of schemes except surface flow schemes. Surface flow schemes have highest percentage of 'temporary not in use schemes (6.0%) and permanently not in use schemes (2.0%).

Number of Schemes by status of use

Type of scheme	Number of schemes				Percentage share in Scheme Total		
	In use	Temporary not in use	Permanently not in use	Total	In use	Temporary not in use	Permanently not in use
Dugwell	7955118	202439	120868	8278425	96.1	2.4	1.5
Shallow Tubewell	5500279	61760	23067	5585106	98.5	1.1	0.4
Medium Tubewell	4250164	46632	21350	4318146	98.4	1.1	0.5
Deep Tubewell	3588479	128969	32799	3750247	95.7	3.4	0.9
Surface flow	561928	36865	12266	611059	92.0	6.0	2.0
Surface lift	581952	8909	5120	595981	97.6	1.5	0.9
Total	**22437920**	**485574**	**215470**	**23138964**	97.0	2.1	0.9



As per the definition used in the census, the schemes which were not in use during last two year before the reference year due to temporary reason but was also not being abandoned for use were categorized as 'temporarily not in use'. The remaining schemes i.e. the schemes excluding 'in use' and 'temporary not in use' were classified as 'permanently not in use'. A declining trend in number of 'not in use' schemes has been observed over the period which may be due to more awareness on proper upkeeping, timely repair and renovation of MI structures. The State wise number of 'not in use' schemes reported in 5th and 6th MI censuses are given below:

S.No.	States/UTs	5TH MIC (2013-14)			6TH MIC (2017-18)		
		Temp. not in use	Perm. Not in use	Total not in use	Temp. not in use	Perm. Not in use	Total not in use
1	Andaman & Nicobar Island	15	6	21	237	124	361
2	Andhra Pradesh	70875	87680	158555	164914	50125	215039
3	Arunachal Pradesh	962	181	1143	555	354	909
4	Assam	9067	2117	11184	2128	2229	4357
5	Bihar	5543	332	5875	4910	2503	7413
6	Chandigarh	0	0	0	0	0	0
7	Chhattisgarh	255	14	269	1086	480	1566
8	Delhi	1	0	1	0	0	0
9	Goa	96	105	201	65	51	116
10	Gujarat	14585	4400	18985	10586	3655	14241
11	Haryana	38	7	45	143	24	167
12	Himachal Pradesh	47	56	103	513	302	815

13	Jammu & Kashmir	23	14	37	10	5	15
14	Jharkhand	73449	150	73599	3520	1668	5188
15	Karnataka	14617	11867	26484	3260	2409	5669
16	Kerala	321	116	437	503	190	693
17	Madhya Pradesh	5016	8855	13871	13799	14154	27953
18	Maharashtra	15429	2979	18408	15220	4006	19226
19	Manipur	41	127	168	47	183	230
20	Meghalaya	113	452	565	167	132	299
21	Mizoram	45	18	63	33	45	78
22	Nagaland	1665	18	1683	1418	185	1603
23	Odisha	48972	24273	73245	24020	19600	43620
24	Puducherry	119	194	313	33	129	162
25	Punjab	4	27	31	246	73	319
26	Rajasthan	29438	23058	52496	20018	13584	33602
27	Sikkim	374	215	589	453	134	587
28	Tamil Nadu	128368	68413	196781	125907	54770	180677
29	Telangana	88955	33975	122930	35798	22979	58777
30	Tripura	139	58	197	512	202	714
31	Uttarakhand	7801	3658	11459	7868	3743	11611
32	Uttar Pradesh	39031	3277	42308	37140	10067	47207
33	West Bengal	6918	8954	15872	10465	7365	17830
	TOTAL	**562322**	**285596**	**847918**	**485574**	**215470**	**701044**

5.2.2 Irrigation Potential Created (IPC) and Utilized (IPU) by MI schemes:

Overall IPC figure shows marginal decrease of 0.7 Mha as compared to 5th MI census. The IPC has increased from 78.9 Mha to 80.4 Mha in case of GW schemes. Overall marginal decrease is due to the decrease in SW- IPC (from 10.6 Mha to 8.4 Mha). The decreasing trend of SW- IPC is there in case of 5th census also. The main reasons for the same as reported by the States are i) shifting of SW schemes used for irrigation purposes to non- agricultural purpose like ground water recharge ii) due to fall in water level and drying up/ extinction of small surface water resources iii) reduction of agricultural land due to urbanization and industrialization etc.

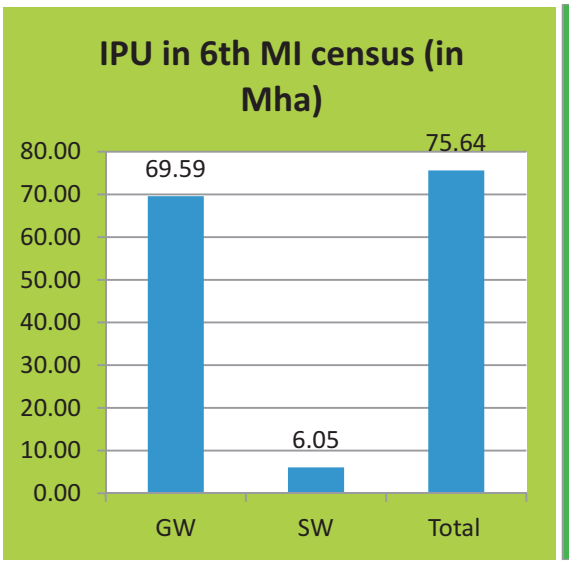
The IPU has increased from 63.4 Mha to 69.6 Mha in case of GW schemes whereas the IPU in SW schemes have shown a decrease (from 7.9 Mha to 6.0 Mha) as in 5th MI census. Overall IPU figure shows increase of 4 Mha as compared to 5th MI census. Overall IPU improvement can be attributed to:

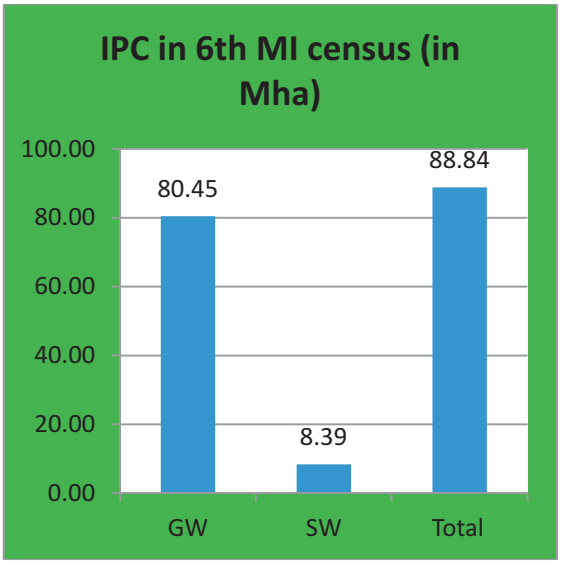
(i) Increase in water use efficiency for ground water based irrigation, including micro irrigation.

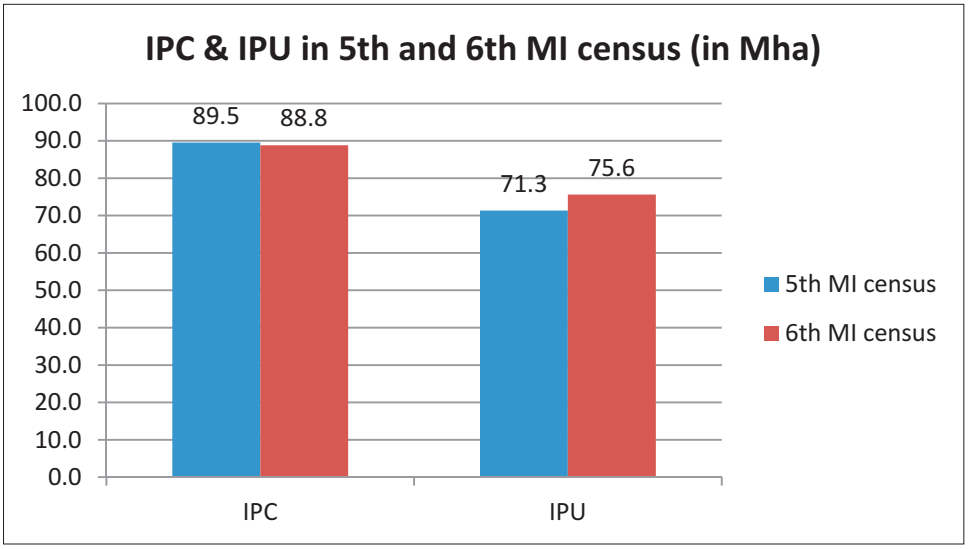
(ii) Improved utilization by use of efficient water distribution systems. During 5th MI census , 53% schemes used open channels for conveying water to the fields; this has reduced to

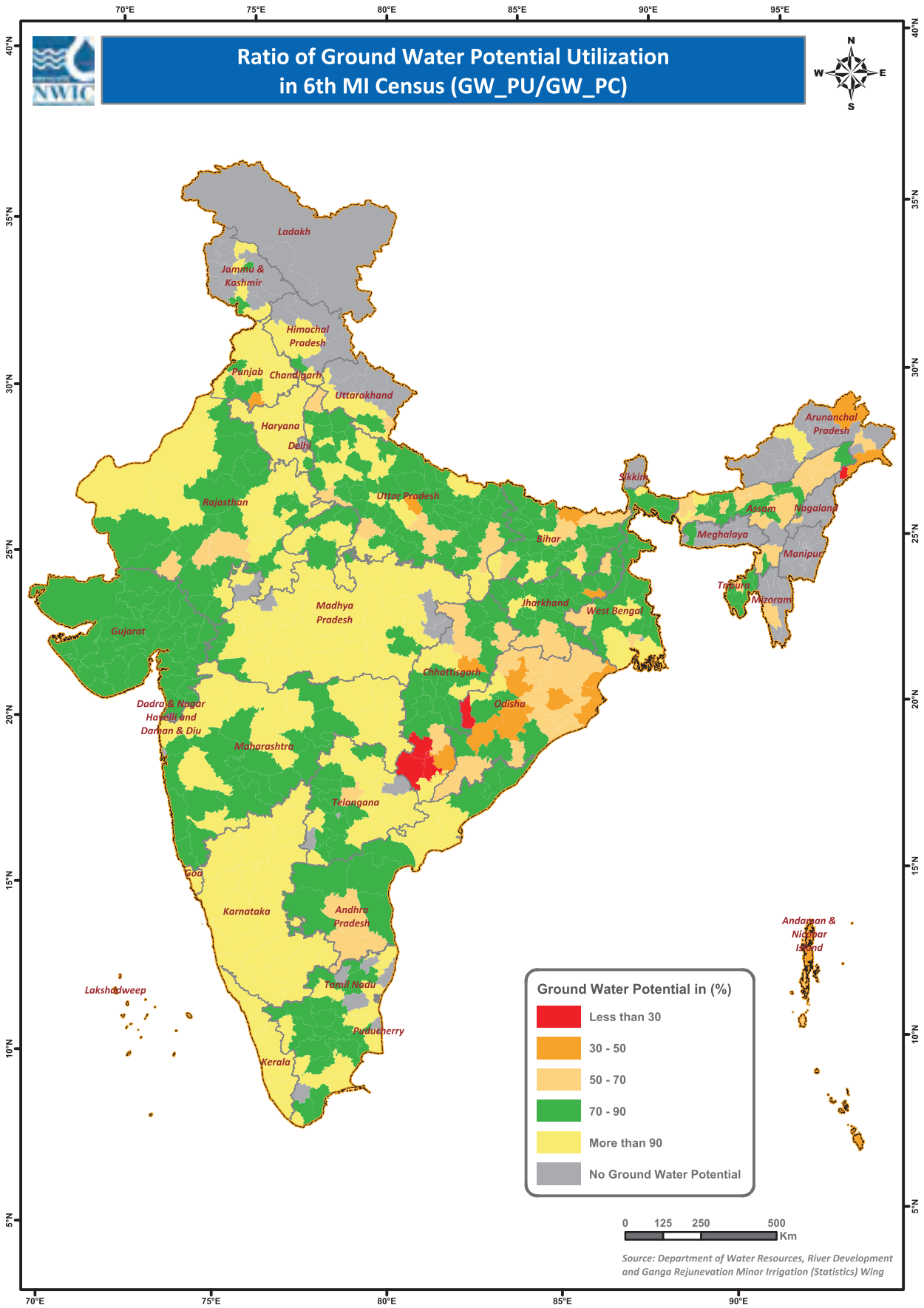
42% in 6th MI census which can reduce wastage of water. The share of efficient water distribution systems like surface pipe, underground pipe, drip and sprinklers have also increased.

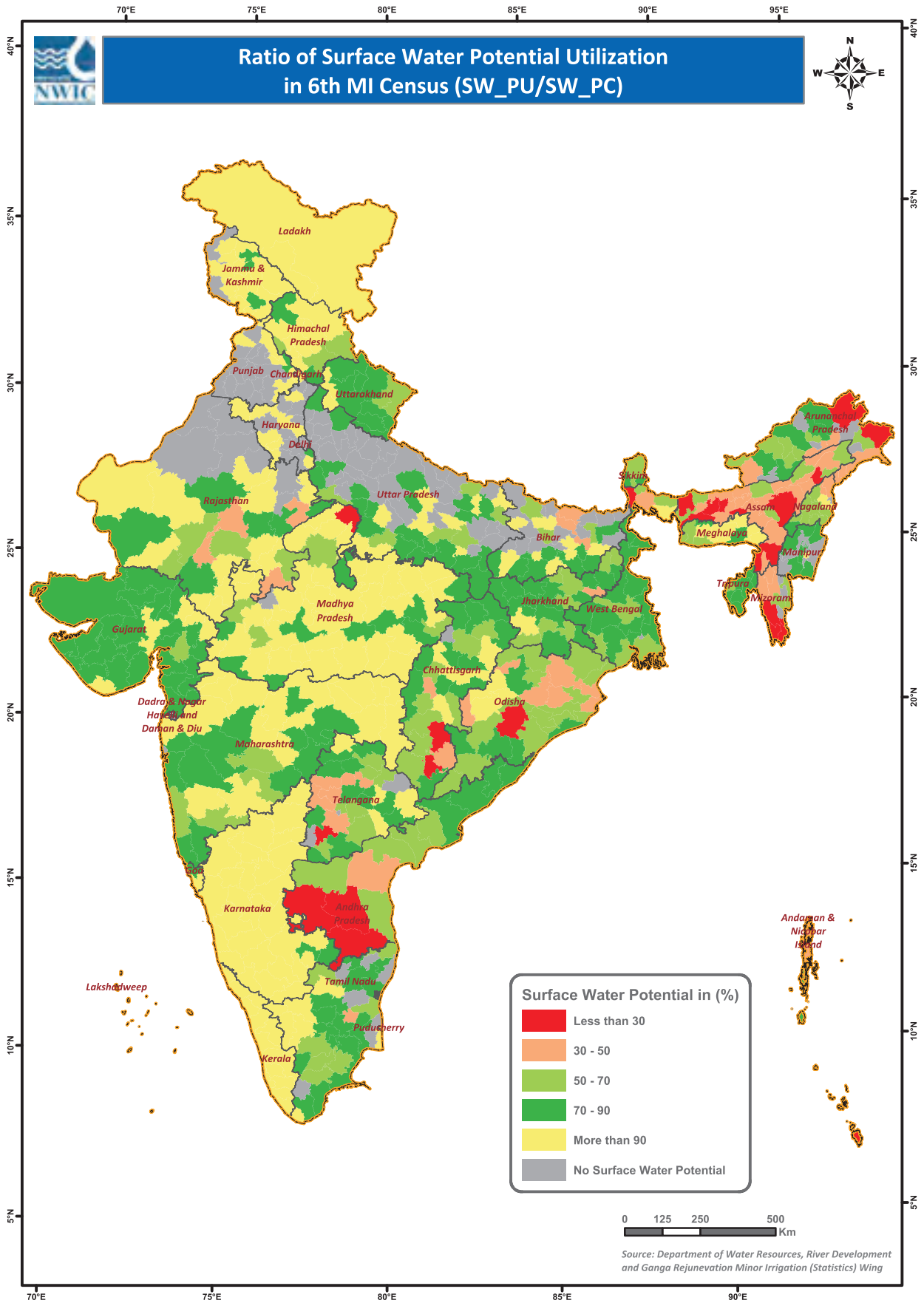
Due to increased utilization, the gap between IPC & IPU has also reduced by 5.0 million hectares in the Minor Irrigation sector during the same period. As per 6th MI census, 80.45 million hectares of irrigation potential is created through Ground Water schemes & 8.39 million hectares through Surface Water schemes while irrigation potential utilized is 69.59 million hectares and 6.05 million hectares for GW and SW schemes respectively. This shows that 86.5% of the potential created in GW has been utilized while percentage utilization in respect of SW is 72.1%.







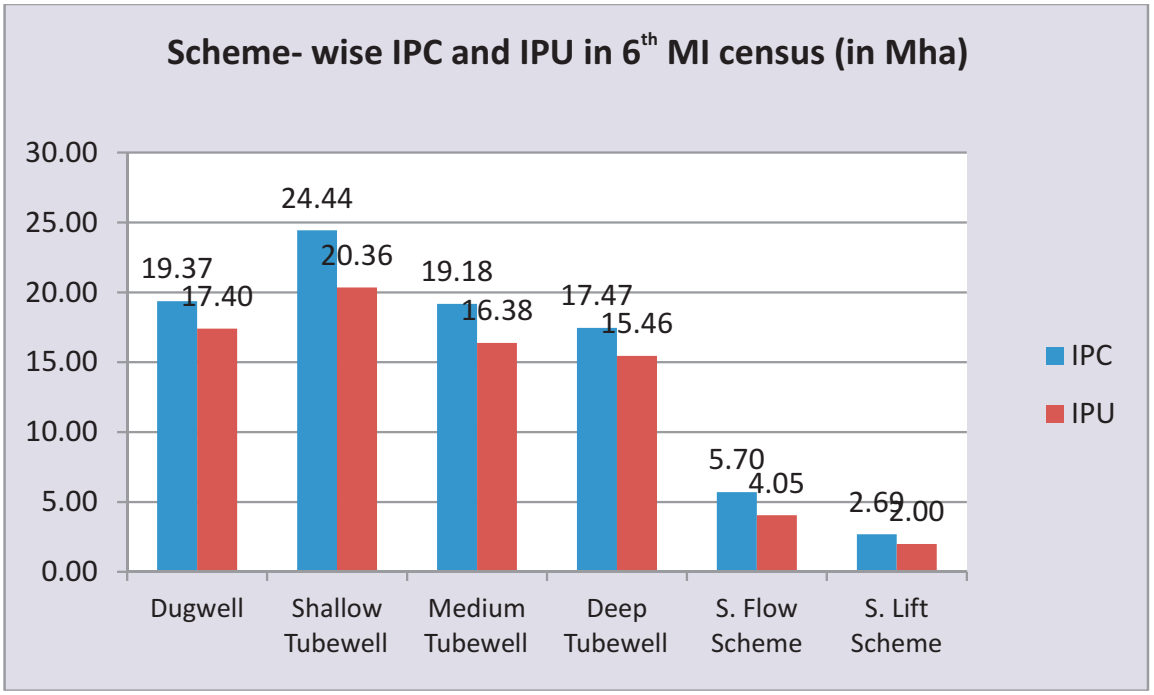

Ratio of Ground Water Potential Utilization
in 6th MI Census (GW_PU/GW_PC)
NWIC
N
W
E
S
70°E
75°E
80°E
85°E
90°E
95°E
40°N
35°N
30°N
25°N
20°N
15°N
10°N
5°N
Ladakh
Jammu & Kashmir
Himachal Pradesh
Punjab
Chandigarh
Uttarakhand
Haryana
Delhi
Rajasthan
Uttar Pradesh
Bihar
Sikkim
Arunanchal Pradesh
Assam
Nagaland
Meghalaya
Manipur
Tripura
Mizoram
Jharkhand
West Bengal
Madhya Pradesh
Gujarat
Chhattisgarh
Odisha
Dadra & Nagar Haveli and Daman & Diu
Maharashtra
Telangana
Goa
Karnataka
Andhra Pradesh
Tamil Nadu
Puducherry
Kerala
Lakshadweep
Andaman & Nicobar Island
Ground Water Potential in (%)
Less than 30
30 - 50
50 - 70
70 - 90
More than 90
No Ground Water Potential
0 125 250 500
Km
Source: Department of Water Resources, River Development and Ganga Rejunevation Minor Irrigation (Statistics) Wing


Ratio of Surface Water Potential Utilization
in 6th MI Census (SW_PU/SW_PC)
NWIC
N
W
E
S
70°E
75°E
80°E
85°E
90°E
95°E
40°N
35°N
30°N
25°N
20°N
15°N
10°N
5°N
Ladakh
Jammu & Kashmir
Himachal Pradesh
Punjab
Chandigarh
Uttarakhand
Haryana
Delhi
Rajasthan
Uttar Pradesh
Bihar
Sikkim
Arunanchal Pradesh
Assam
Nagaland
Meghalaya
Manipur
Tripura
Mizoram
Jharkhand
West Bengal
Madhya Pradesh
Gujarat
Chhattisgarh
Odisha
Dadra & Nagar Haveli and Daman & Diu
Maharashtra
Telangana
Karnataka
Andhra Pradesh
Tamil Nadu
Puducherry
Kerala
Lakshadweep
Andaman & Nicobar Island
Surface Water Potential in (%)
Less than 30
30 - 50
50 - 70
70 - 90
More than 90
No Surface Water Potential
0 125 250 500
Km
Source: Department of Water Resources, River Development and Ganga Rejunevation Minor Irrigation (Statistics) Wing

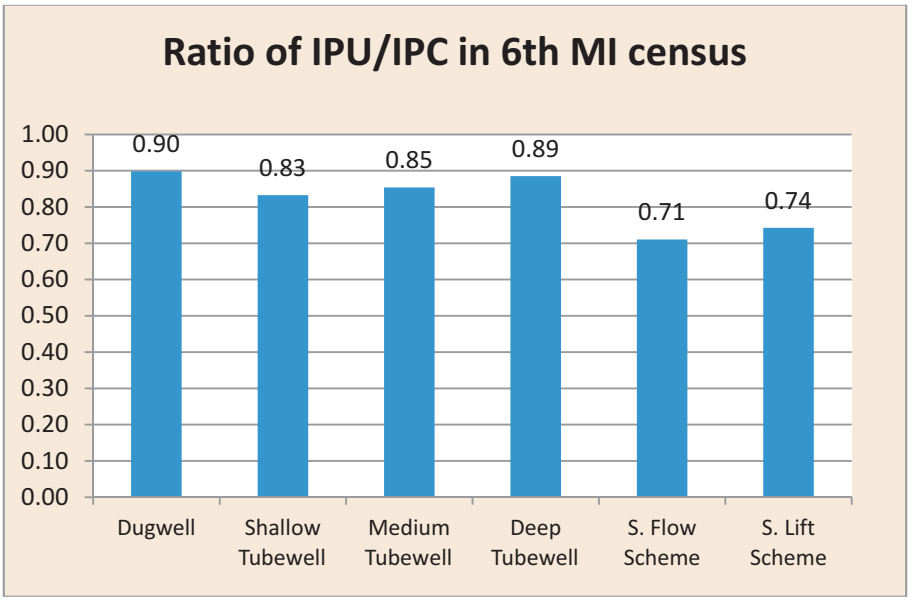
Scheme-wise CCA, IPC, IPU: Scheme-wise CCA, IPC, IPU and ratio of IPU to IPC during 6th MI census is given in the table and bar-graph given below. If we analyse further at the scheme level, Shallow tube wells have highest IPC & IPU followed by Dug wells.

Scheme-wise CCA, IPC, IPU and ratio of IPU to IPC in 6th MI Census

Type of scheme	CCA	IPC	IPU	Ratio of IPU/IPC
	(in hectares)			
Dugwell	17285882	19370154.46	17399824.95	0.90
Shallow Tubewell	19078200	24440039.54	20355406.09	0.83
Medium Tubewell	13958020	19177722.77	16376574.01	0.85
Deep tubewell	12415093	17465634.75	15460706.39	0.89
Surface flow	4602005	5701145.65	4049565.70	0.71
Surface lift	2119892	2686494.35	1995580.92	0.74



If we see the ratio of IPU to IPC in 6thMI census in different types of schemes, almost all the schemes show more than 80% utilization of created potential except surface flow and surface lift schemes with a utilization of 71.0% and 74.0% respectively.

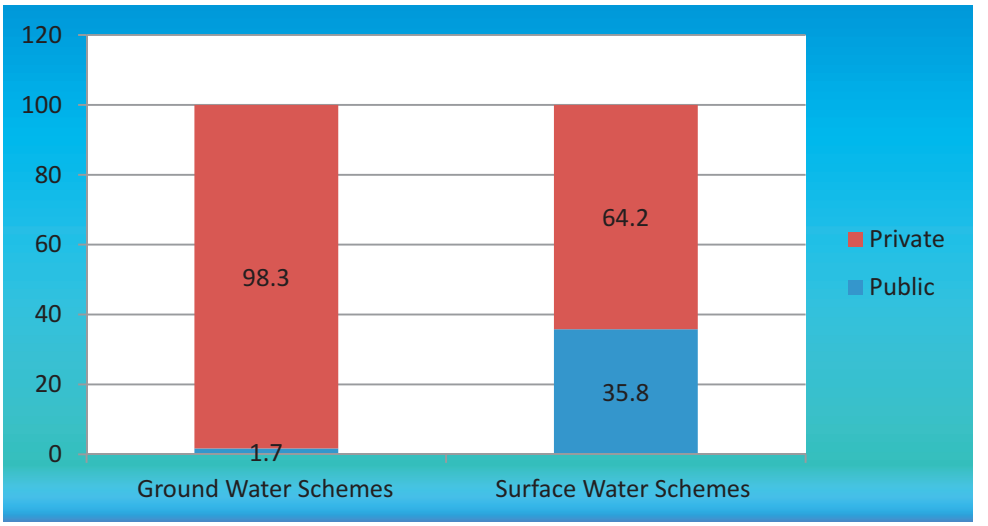


5.2.3 Ownership of MI schemes:

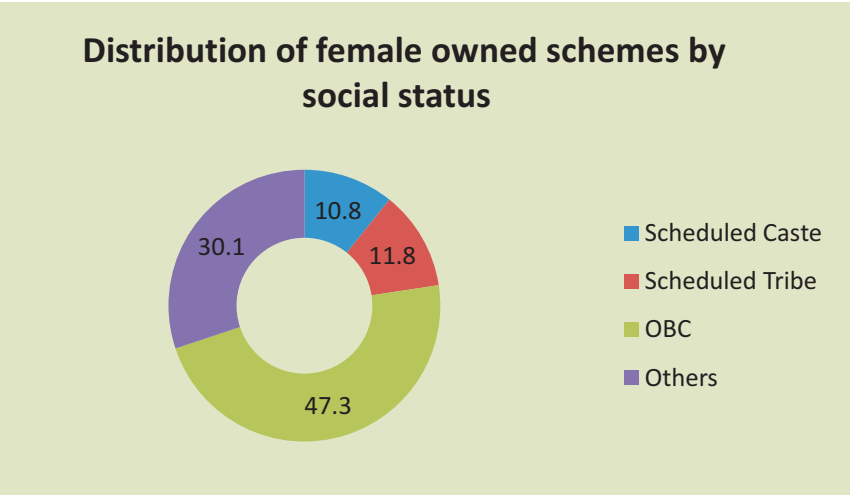
Data of ownership of MI schemes reflects that 96.6% of the MI structures are under private ownership and only 3.4% is in under public domain. This pattern is more dominant in Ground water schemes where almost all type of schemes (98.3%) have private ownership. In Surface Water Schemes, 35.8% schemes are in public ownership and 64.2% are in private ownership. However in surface water schemes, surface flow schemes have remarkably high public ownership of 55.1% whereas 83.9% surface lift schemes are privately owned. This clearly reveals that most MI structures in India are owned by individual farmers or group of farmers and hence it has maximum outreach for irrigation purposes which establishes the need of strengthening the network of MI structures in the country for irrigation purposes.

Number and percentage of MI schemes by ownership

	Number of schemes by ownership			Percentage of schemes by ownership	
	Public	**Private**	**Total**	**Public**	**Private**
Dugwell	199601	8078824	8278425	2.4	97.6
Shallow Tube well	50602	5534504	5585106	0.9	99.1
Medium Tubewell	65170	4252976	4318146	1.5	98.5
Deep tubewell	48062	3702185	3750247	1.3	98.7
Ground Water schemes	**363435**	**21568489**	**21931924**	1.7	98.3
Surface flow	336891	274168	611059	55.1	44.9
Surface lift	95678	500303	595981	16.1	83.9
Surface Water schemes	**432569**	**774471**	**1207040**	35.8	64.2
Grand Total	**796004**	**2234 2960**	**23138964**	**3.4**	**96.6**

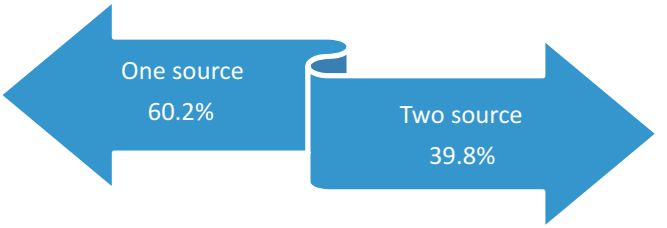


Out of all the individually owned schemes, 18.1% are owned by female. Among them, 47.3% female owners belong to OBC category. The distribution of female owned schemes according to social status is shown on the chart given below.

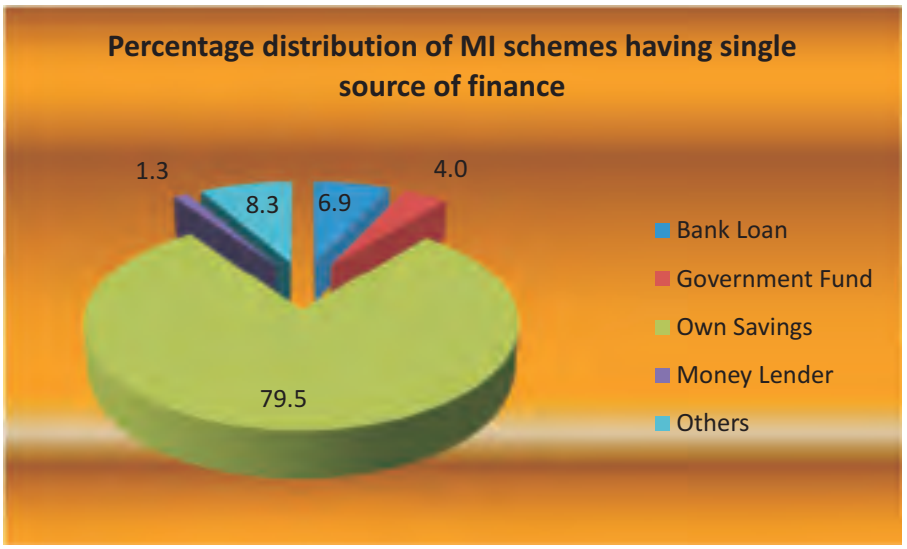


5.2.4 Financing of MI schemes:

Source of finance has been collected for the MI schemes owned by individual farmer. Around 60.2% schemes have single source of finance whereas 39.8% schemes have two sources of finance.



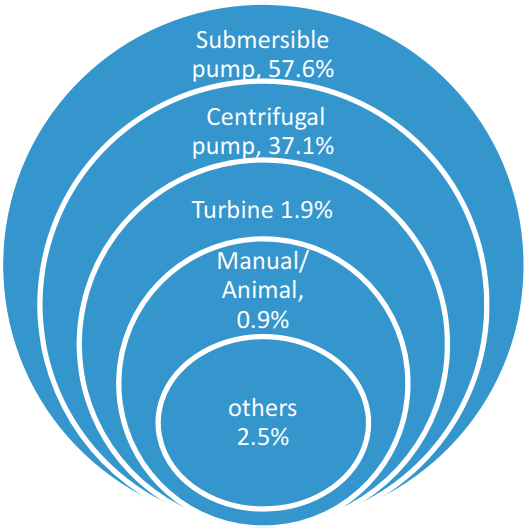
In single source of finance also, majority of schemes (79.5%) are financed by own savings of individual farmer. Other important sources of finance are bank loan (6.9%), government fund (4%) and money lender (1.3%). The fact that institutional sources contribute only 10.9% of the finances raised for installation of MI schemes indicates need for higher intervention by the organized financial sector in extending loans for installation of MI schemes.



5.2.5 Distribution of lifting devices in MI schemes:

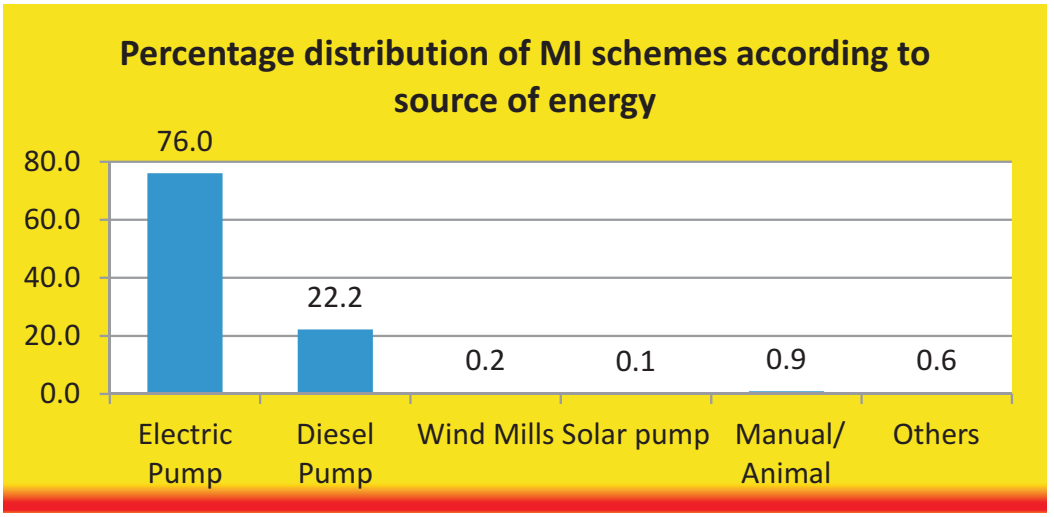
During 6th MI census, the information on lifting device was collected for 'in use' and 'temporarily not in use' schemes which comes under the category of ground water and surface lift schemes. Majority of schemes i.e 57.6% have submersible pump followed by 37.1% centrifugal pump, 1.9% turbine whereas 3.4% are operated by manual/animal lifting and other devices.

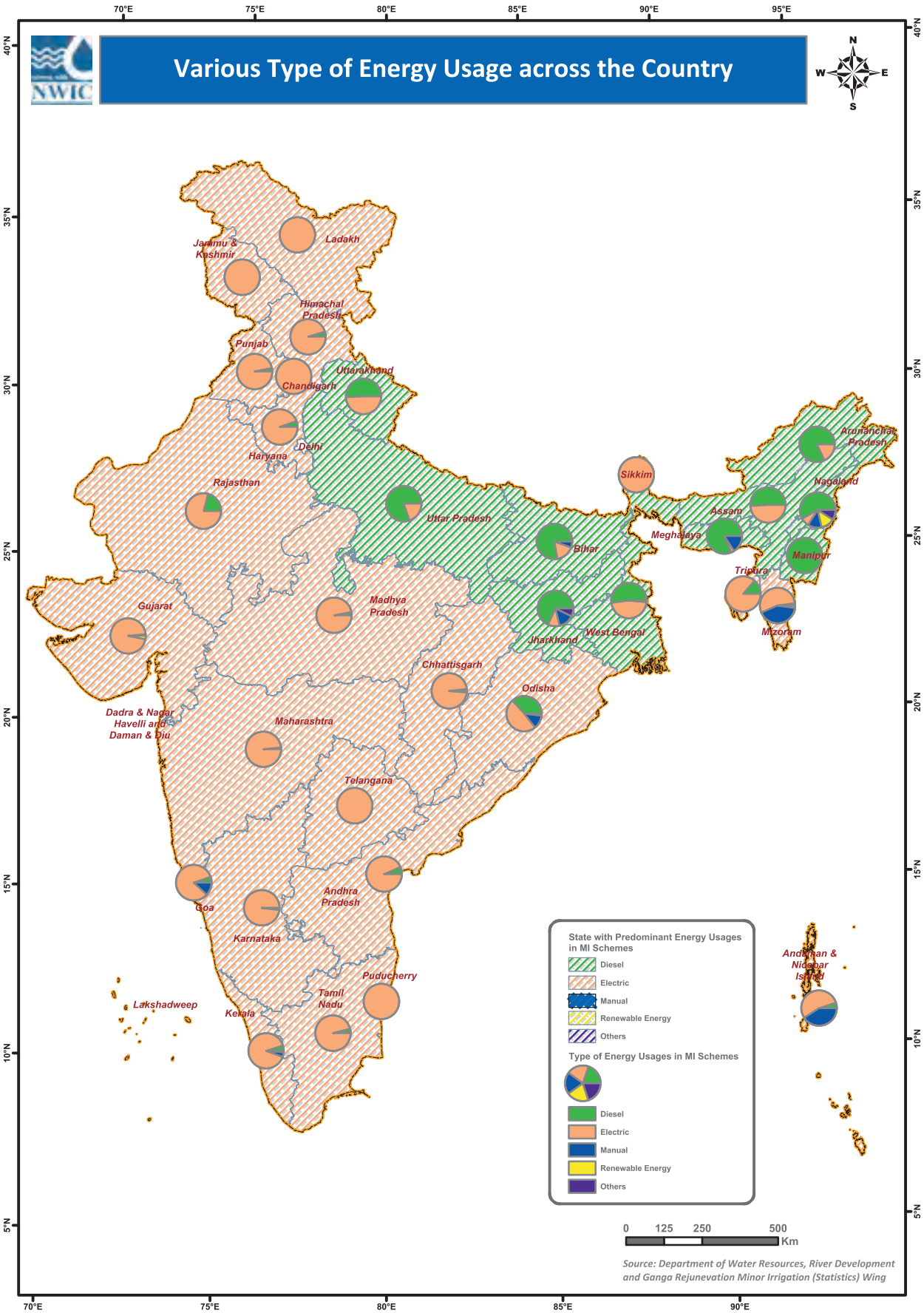
Percentage distribution of MI schemes having lifting device

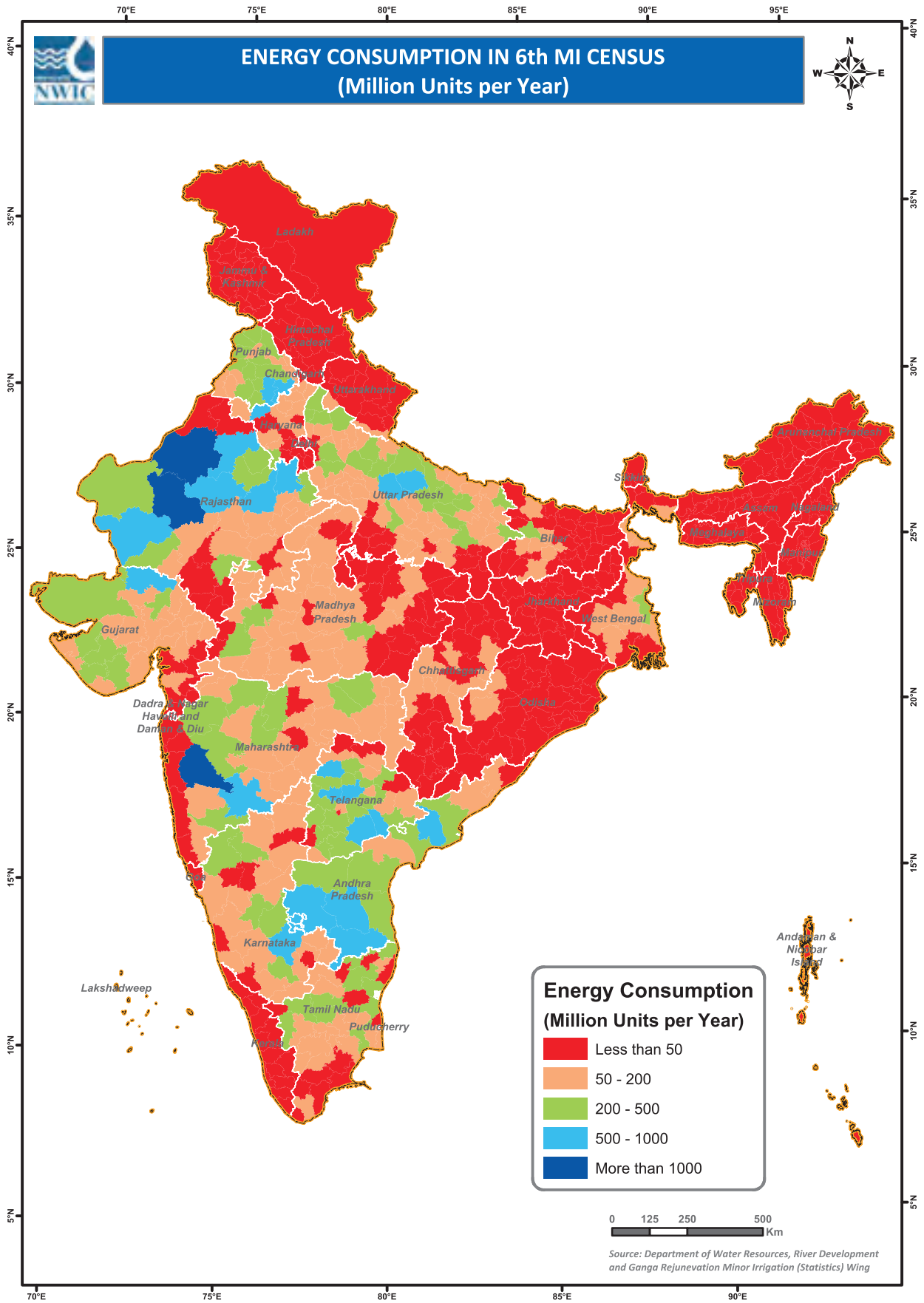


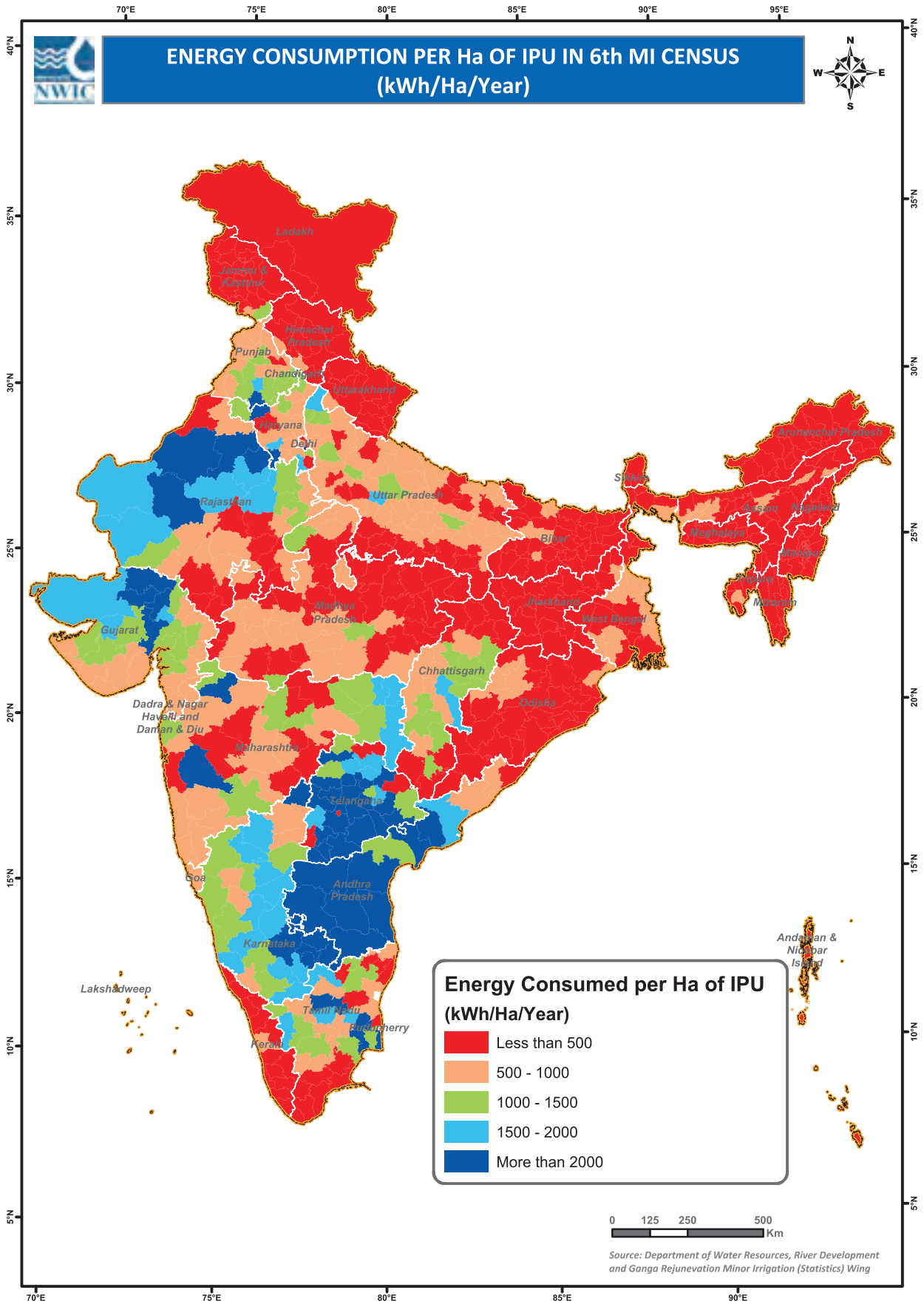
5.2.6 Distribution of source of energy:

Majority of schemes (76%) utilize electricity as source of energy followed by diesel (22.2%). Rest of the schemes (1.8%) use windmill, solar pumps, manual/animal and other sources of energy. This clearly reveals that 98.2% schemes are operated by either electricity or diesel.




Various Type of Energy Usage across the Country
NWIC
N
W
E
S
70°E
75°E
80°E
85°E
90°E
95°E
40°N
35°N
30°N
25°N
20°N
15°N
10°N
5°N
Jammu & Kashmir
Ladakh
Himachal Pradesh
Punjab
Chandigarh
Uttarakhand
Haryana
Delhi
Rajasthan
Uttar Pradesh
Bihar
Sikkim
Arunanchal Pradesh
Nagaland
Assam
Meghalaya
Manipur
Tripura
Mizoram
West Bengal
Jharkhand
Madhya Pradesh
Gujarat
Chhattisgarh
Odisha
Dadra & Nagar Havelli and Daman & Diu
Maharashtra
Telangana
Andhra Pradesh
Goa
Karnataka
Puducherry
Tamil Nadu
Kerala
Lakshadweep
Andaman & Nicobar Island
State with Predominant Energy Usages in MI Schemes
Diesel
Electric
Manual
Renewable Energy
Others
Type of Energy Usages in MI Schemes
Diesel
Electric
Manual
Renewable Energy
Others
0 125 250 500
Km
Source: Department of Water Resources, River Development and Ganga Rejuvenation Minor Irrigation (Statistics) Wing

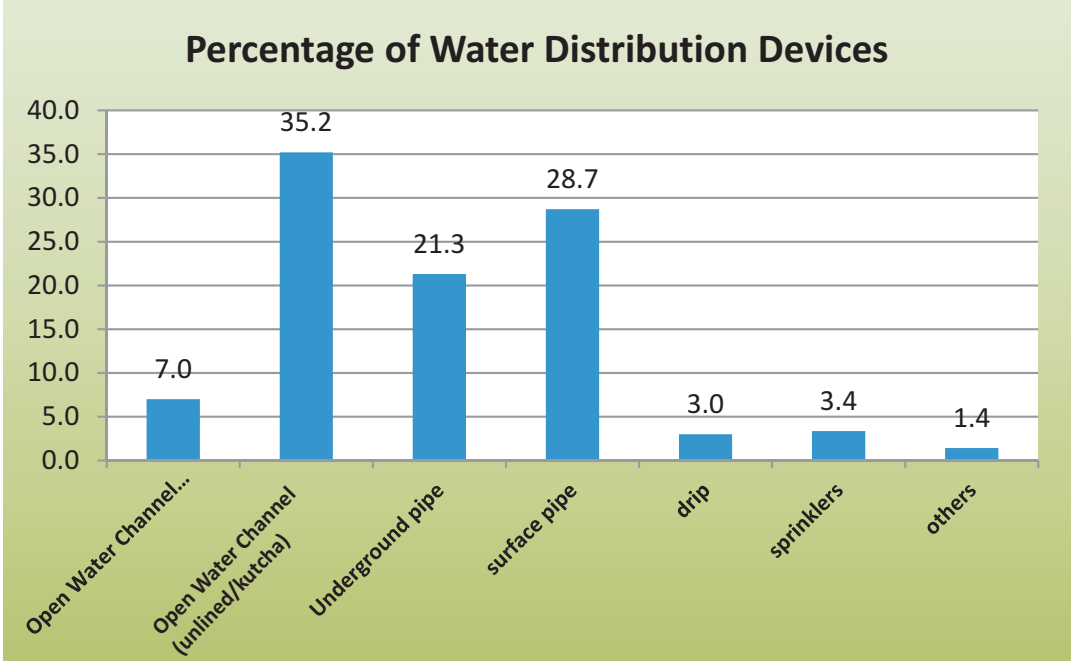

ENERGY CONSUMPTION IN 6th MI CENSUS
(Million Units per Year)
NWIC
N
W
E
S
70°E
75°E
80°E
85°E
90°E
95°E
40°N
35°N
30°N
25°N
20°N
15°N
10°N
5°N
Ladakh
Jammu & Kashmir
Himachal Pradesh
Punjab
Chandigarh
Uttarakhand
Haryana
Delhi
Rajasthan
Uttar Pradesh
Sikkim
Arunachal Pradesh
Assam
Nagaland
Meghalaya
Manipur
Tripura
Mizoram
Bihar
Jharkhand
West Bengal
Madhya Pradesh
Gujarat
Chhattisgarh
Odisha
Dadra & Nagar Haveli and Daman & Diu
Maharashtra
Telangana
Goa
Andhra Pradesh
Karnataka
Lakshadweep
Tamil Nadu
Puducherry
Kerala
Andaman & Nicobar Island
Energy Consumption
(Million Units per Year)
Less than 50
50 - 200
200 - 500
500 - 1000
More than 1000
0 125 250 500
Km
Source: Department of Water Resources, River Development and Ganga Rejunevation Minor Irrigation (Statistics) Wing


ENERGY CONSUMPTION PER Ha OF IPU IN 6th MI CENSUS
(kWh/Ha/Year)
NWIC
N
W
E
S
70°E
75°E
80°E
85°E
90°E
95°E
40°N
35°N
30°N
25°N
20°N
15°N
10°N
5°N
Ladakh
Jammu & Kashmir
Himachal Pradesh
Punjab
Chandigarh
Uttarakhand
Haryana
Delhi
Rajasthan
Uttar Pradesh
Sikkim
Arunanchal Pradesh
Assam
Nagaland
Meghalaya
Manipur
Tripura
Mizoram
Bihar
Jharkhand
West Bengal
Madhya Pradesh
Gujarat
Chhattisgarh
Odisha
Dadra & Nagar Haveli and Daman & Diu
Maharashtra
Telangana
Goa
Andhra Pradesh
Karnataka
Lakshadweep
Tamil Nadu
Puducherry
Kerala
Andaman & Nicobar Island
Energy Consumed per Ha of IPU
(kWh/Ha/Year)
Less than 500
500 - 1000
1000 - 1500
1500 - 2000
More than 2000
0 125 250 500
Km
Source: Department of Water Resources, River Development and Ganga Rejunevation Minor Irrigation (Statistics) Wing

5.2.7 Water distribution devices:

There has been improvement in water use efficiency and decline in wastage of water through use of improved water distribution devices over the years. As reflected in 6th MI census, the percentage share of MI schemes which distribute water through open unlined/ kutcha and open lined/ pucca water channels are 35.2% and 7% respectively. The percentage share of schemes which distribute water through surface pipe and underground pipe are about 28.7% and 21.3% respectively which lead to less water wastage of water through leakage and evaporation. 3.4% used sprinkler system and 3% schemes used drip irrigation for water distribution. During the 5th MI census about 53.0% schemes used open channel which now has reduced to about 42.2% in 6th census.

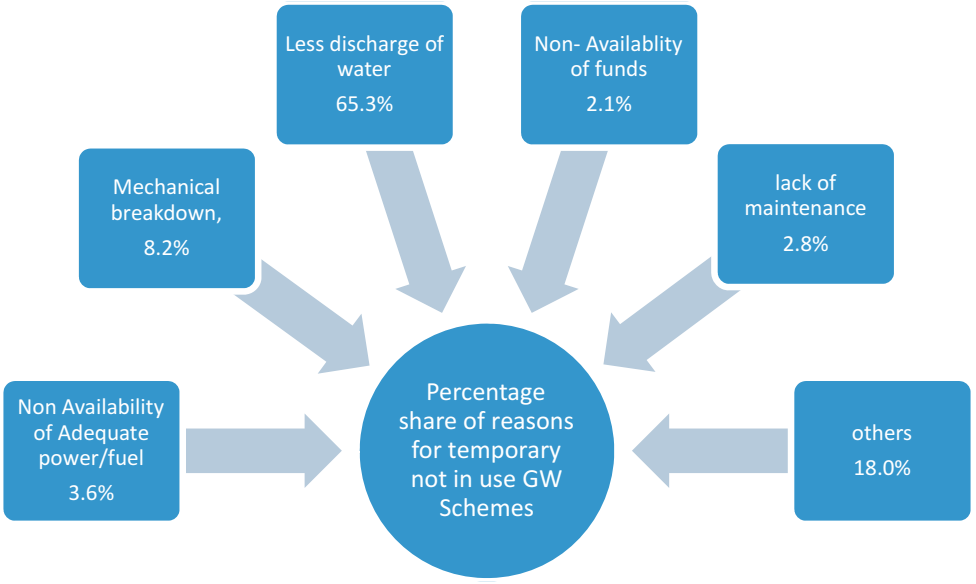
The share of efficient water distribution systems like surfaces pipe, underground pipe, drip and sprinklers has increased in Sixth census when compared to the 5th Census. Share of underground pipe has recorded the highest increase from 15.0% in 5th census to 21.3% in 6th census followed by surface pipe (25.8% to 28.7%), drip (1.9% to 3%) and sprinkler (3.3% to 3.4%).



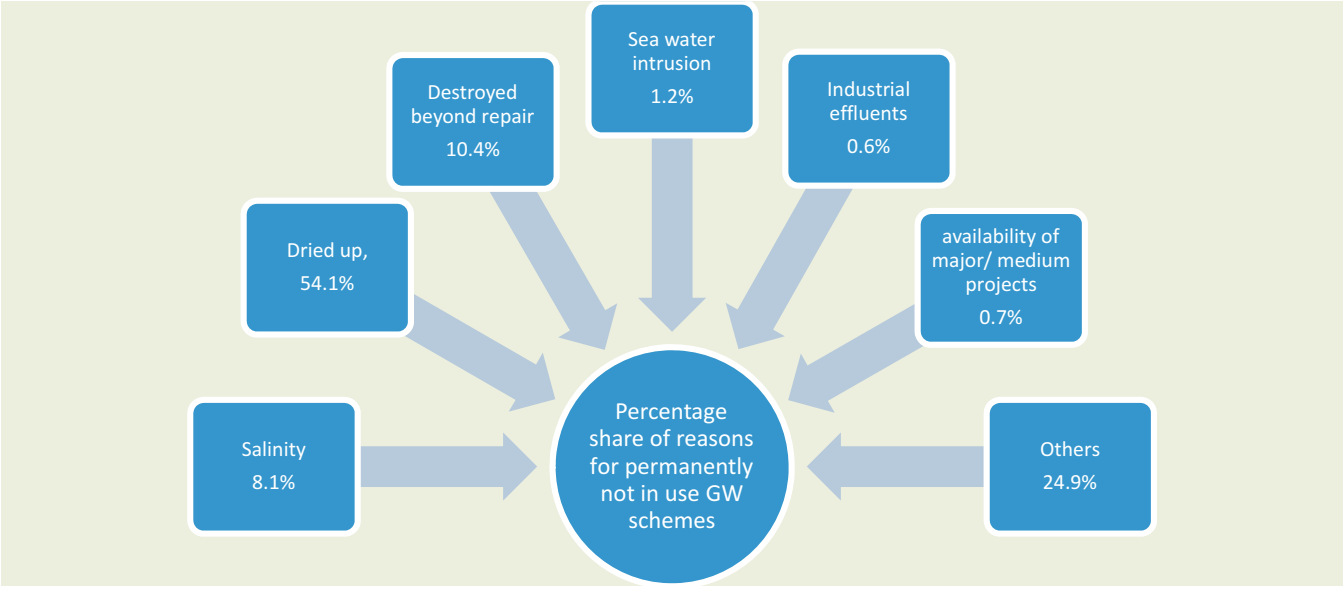
5.2.8 Reasons of MI schemes getting converted to temporarily not in use or permanently not in use:

GW schemes converted to temporarily not in use/ permanently not in use:

65.3% GW schemes are temporarily not in use due to the reason 'less discharge of water' followed by 8.2% due to 'mechanical breakdown' and 3.6% due to 'non-availability of adequate fuel/power'. Reasons like 'lack of maintenance' and 'non-availability of funds' contribute only 2.8% and 2.1% respectively whereas 18.0% schemes are temporarily not in use due to other reasons.

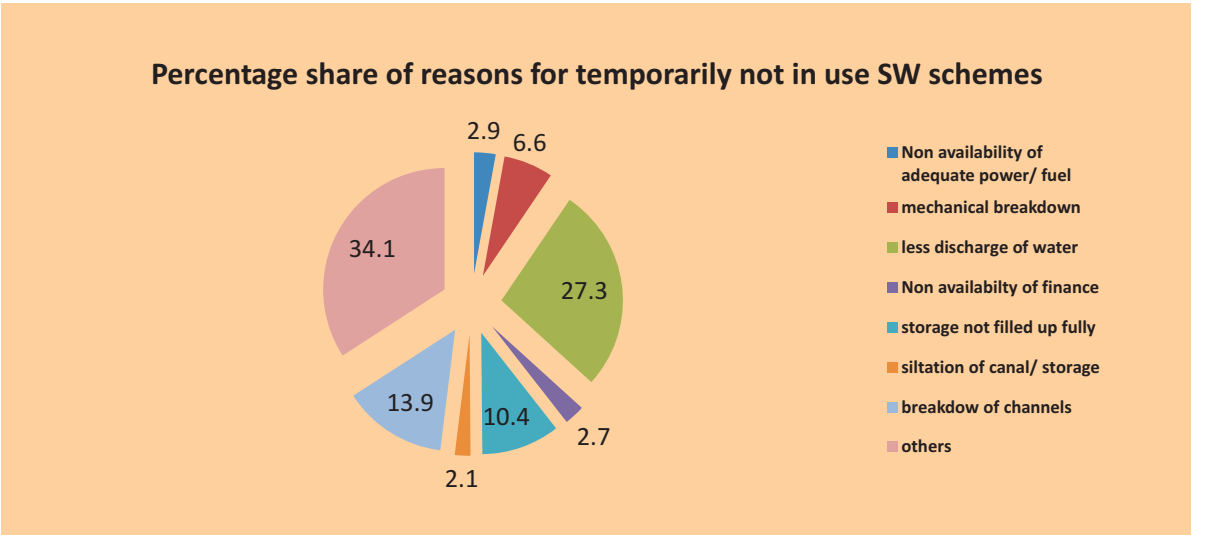


Similarly, 54.1% GW schemes are permanently not in use due to reason 'dried up' followed by 10.4% schemes due to 'destroyed beyond repair' and 8.1% schemes due to the 'salinity'. Reasons like 'sea water intrusion' and 'industrial effluents' contribute only 1.2% and 0.6% respectively whereas 25.6% are permanently not in use due to availability of major medium projects and other reasons.

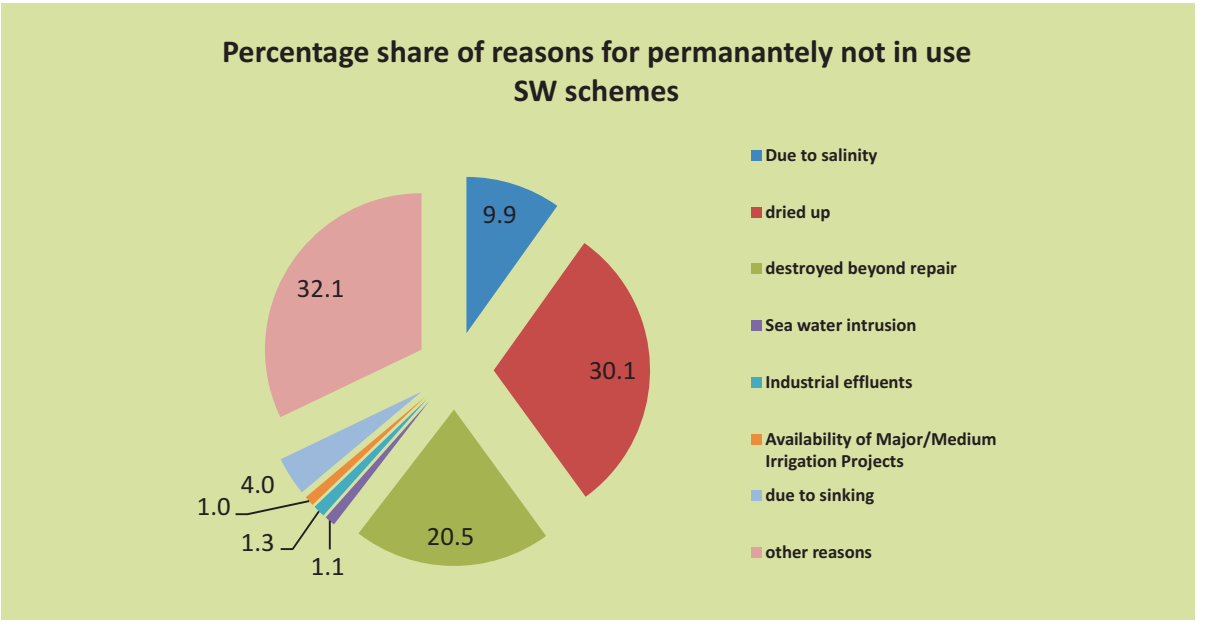


SW schemes converted to temporarily not in use/ permanently not in use:

SW schemes are temporarily not in use mainly due to the reason 'less discharge of water' followed by 'channel break down' and 'storage not filled up fully'. Percentage share of reasons for temporarily not in use SW schemes is given in the pie-chart given below.



Similarly, SW schemes are permanently not in use majorly due to reasons 'dried up' followed by 'destroyed beyond repair' and 'salinity'.

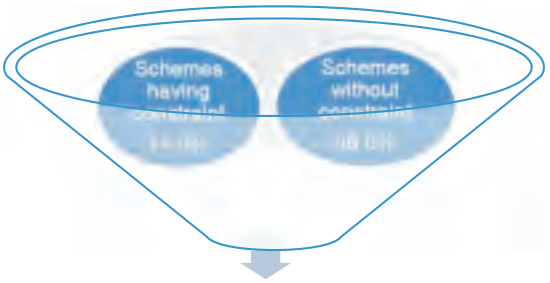


From the above, it is evident that lack of availability of water is one of the major reason for conversion of MI schemes which are in use to either temporarily or permanently not in use category.

5.2.9 Under-utilisation of In-use schemes:

For the MI schemes which are 'in use', under-utilisation has been observed as the gap between irrigation potential created and irrigation potential utilized which is recorded in the census. Out of total 22.44 million 'in use' MI schemes in 6th MI census, about 3.14 million (14.0%) schemes were having constraints in utilisation due to reasons like mechanical breakdown, less discharge of water, storage not

fully filled up, non-availability of adequate power supply etc. Remaining 86% 'in use' MI schemes have been found functioning without any constraints.

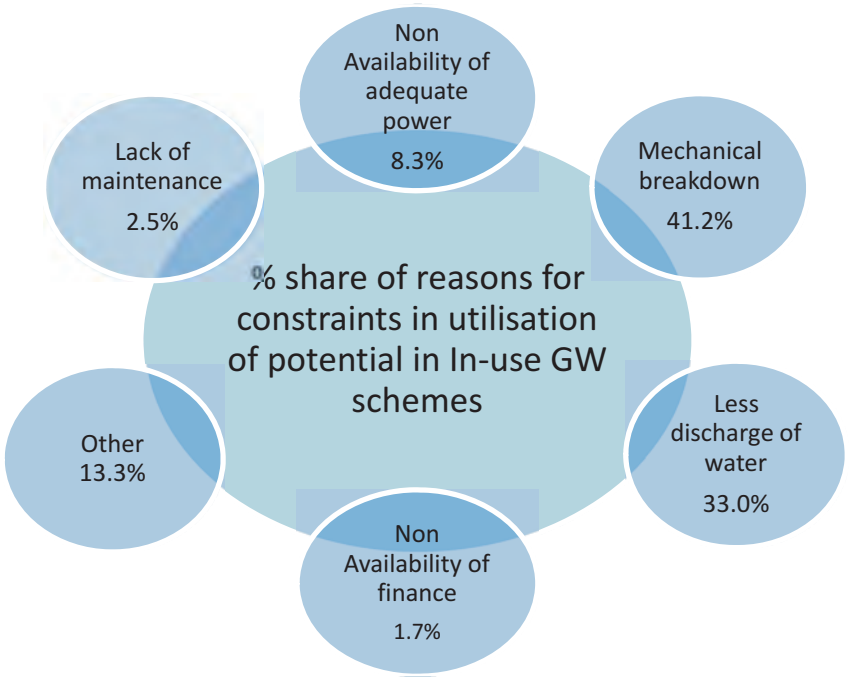


Percentage share of In use schemes with/without constraints in utilisation

Situation has improved a lot from 5th Census as about 21.1% schemes in 5th census were facing constraints in utilisation and were under-utilized.

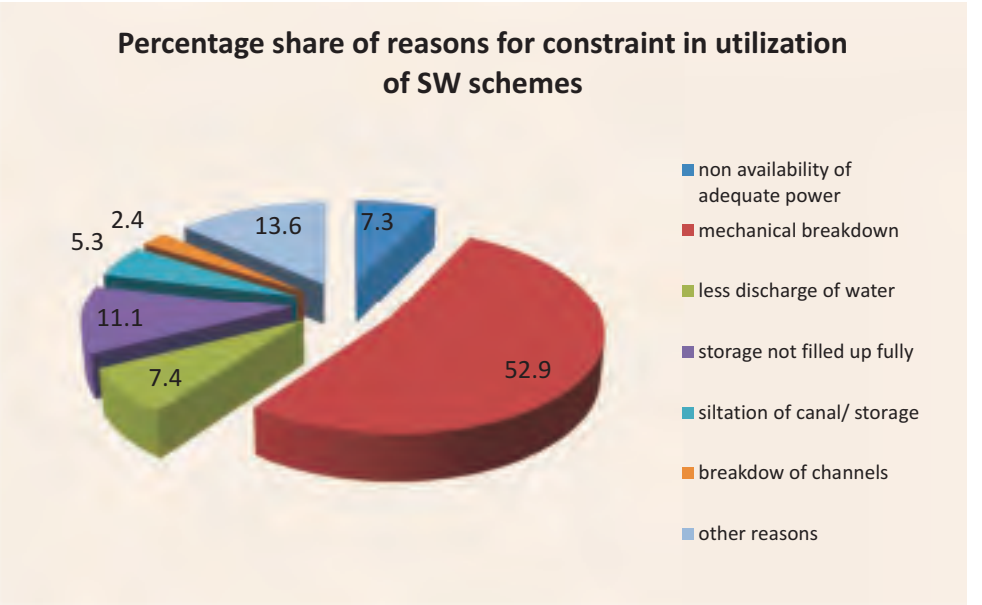
Under-utilisation of In-use GW schemes :

If we see the under-utilisation by type of constraint in 'in-use' GW schemes, 'mechanical breakdown' (41.2%) and 'less discharge of water'(33.0%) seems to be the main reasons of under utilization of schemes.



Under-utilisation of In-use SW schemes :

If we see the under-utilisation by type of constraint in 'in-use' SW schemes, 'mechanical breakdown' seems to be main reason. Percentage share of reasons for constraint in utilization of SW schemes is given in the pie-chart given below.

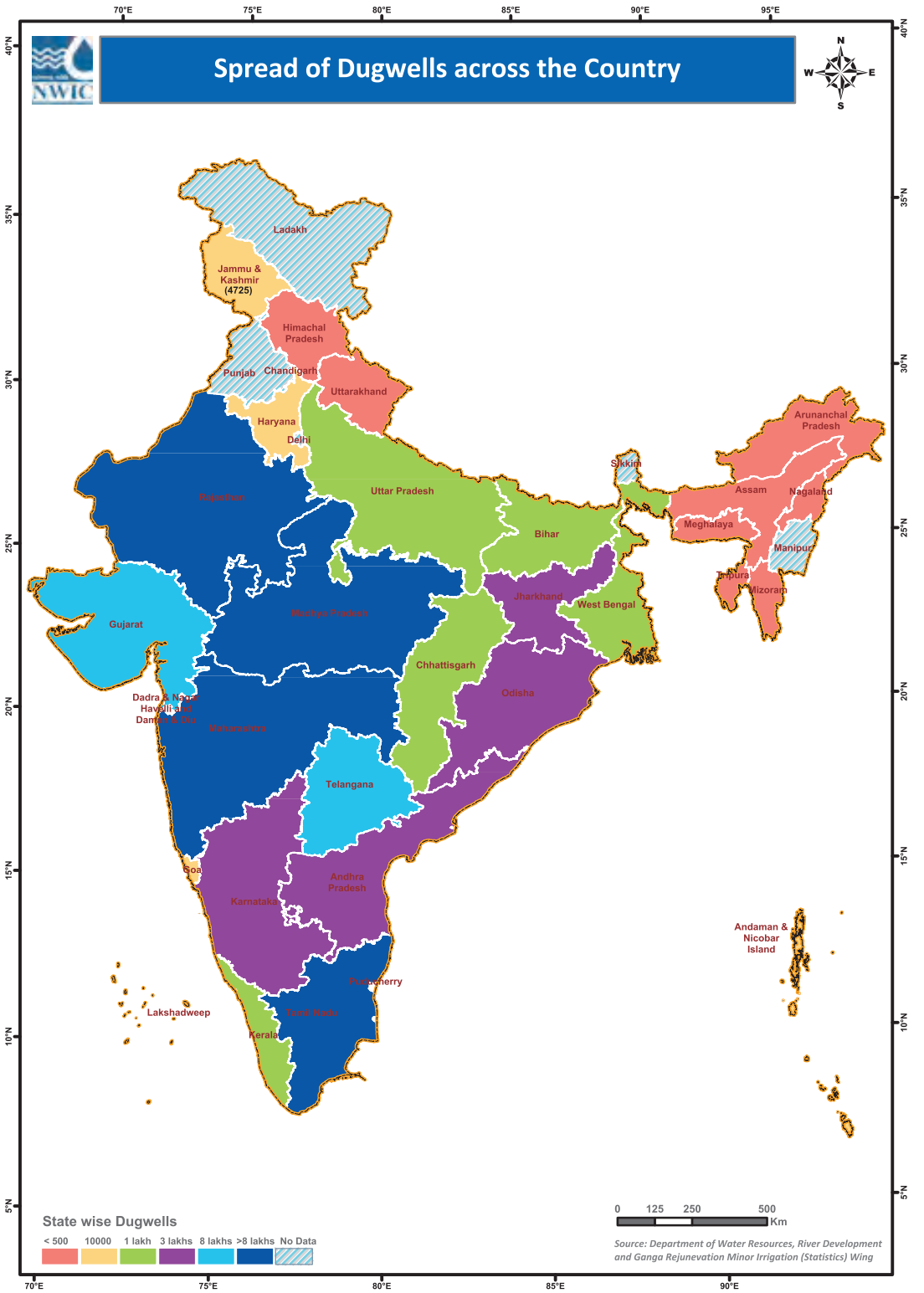


So, by ensuring less mechanical breakdowns, under-utilisation of these 'in use' schemes may be tackled and the gap of IPC and IPU may also be reduced to a large extent.

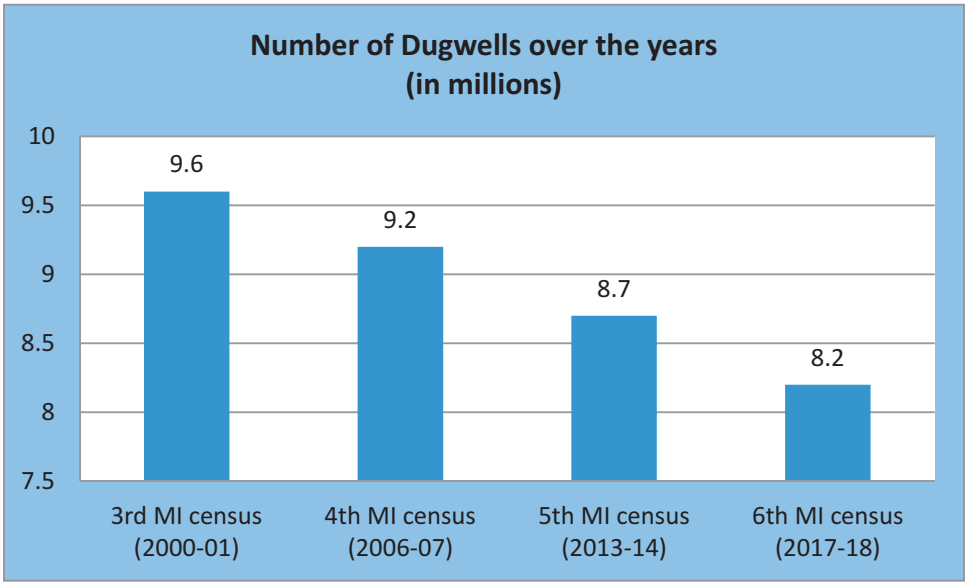
5.3 SCHEME WISE ANALYSIS:

5.3.1 Dugwells:

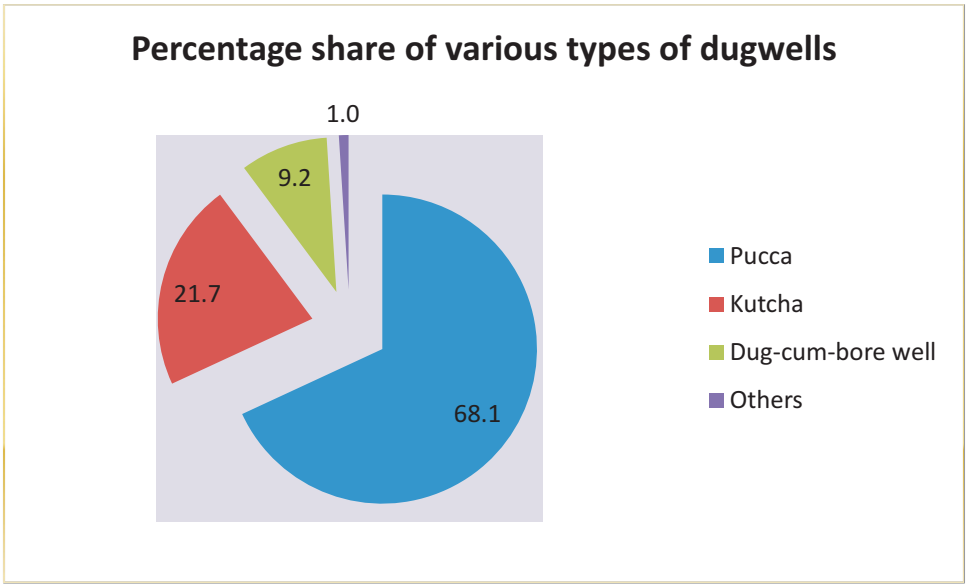
As per the findings of 6th MI census, there are total of 8.28 million dugwells in the country irrigating 17.4 million hectare of land.



Dugwells grew from 7.3 million in 1987 to 9.6 million in 2000-01. However, decreasing trend in number of dugwells is observed from 2006-07 onwards, which is shown in the bar-graph given below. This may be due to depletion of ground water/lowering of water table.



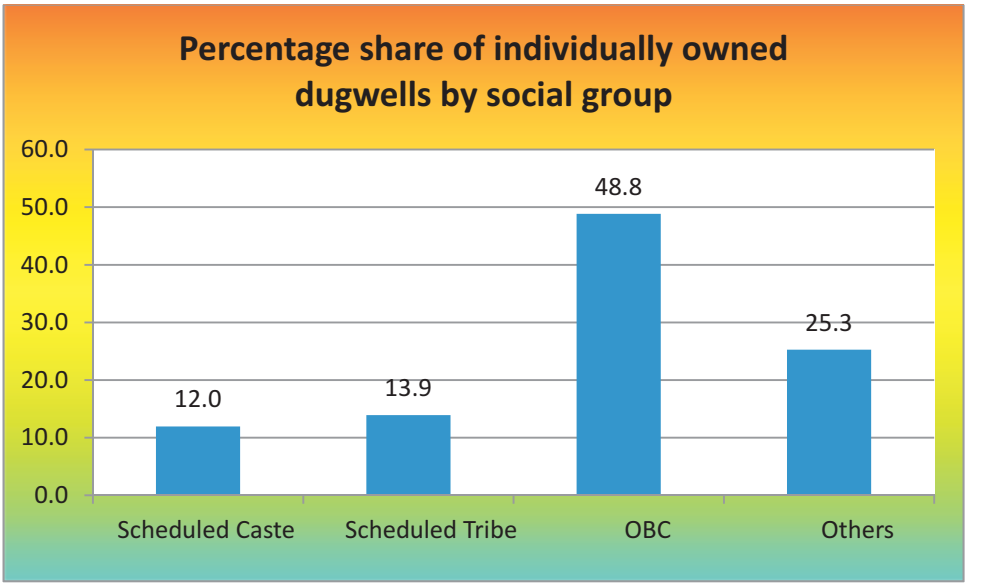
Out of all dugwells, pucca dugwells have a major share of 68.1% followed by kutcha dugwells (21.7%), dug-cum-bore wells (9.2%) and others (1%).

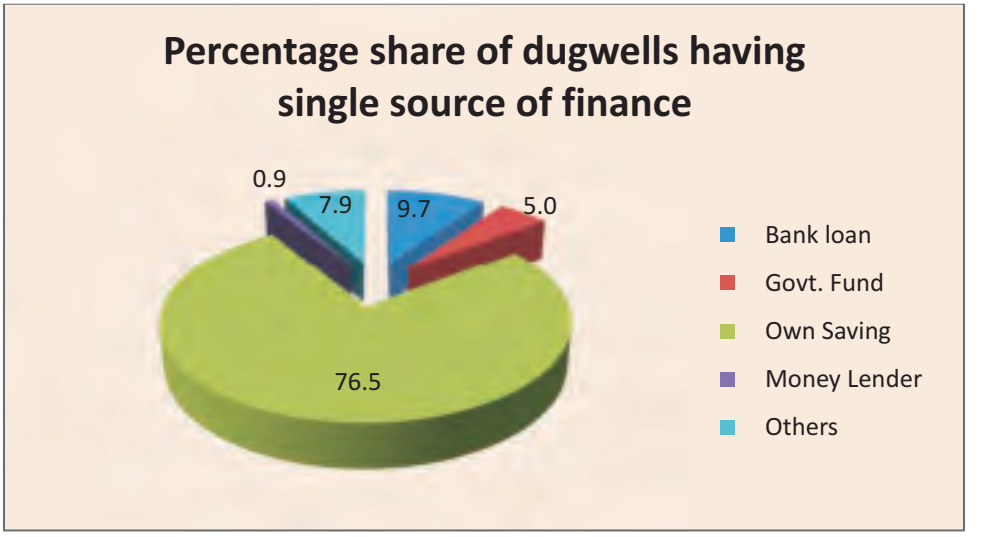


Dugwells are dominantly owned by private entities (97.6%). Out of these, about 77.5% dugwells are owned by individual farmers and 22.5% are owned by group of farmers. Ownership by group of farmers is mainly concentrated in Rajasthan, Tamil Nadu, Madhya Pradesh and Maharashtra. Marginal and small farmers with small holding size from 0-2 hectares have the largest share in ownership of dugwells (72.1%).

As per the social status of the farmers owning the dugwells, about 48.8% schemes belong to Other Backward Castes (OBCs) followed by others (25.3%), Scheduled Tribe (13.9%) and Scheduled Caste

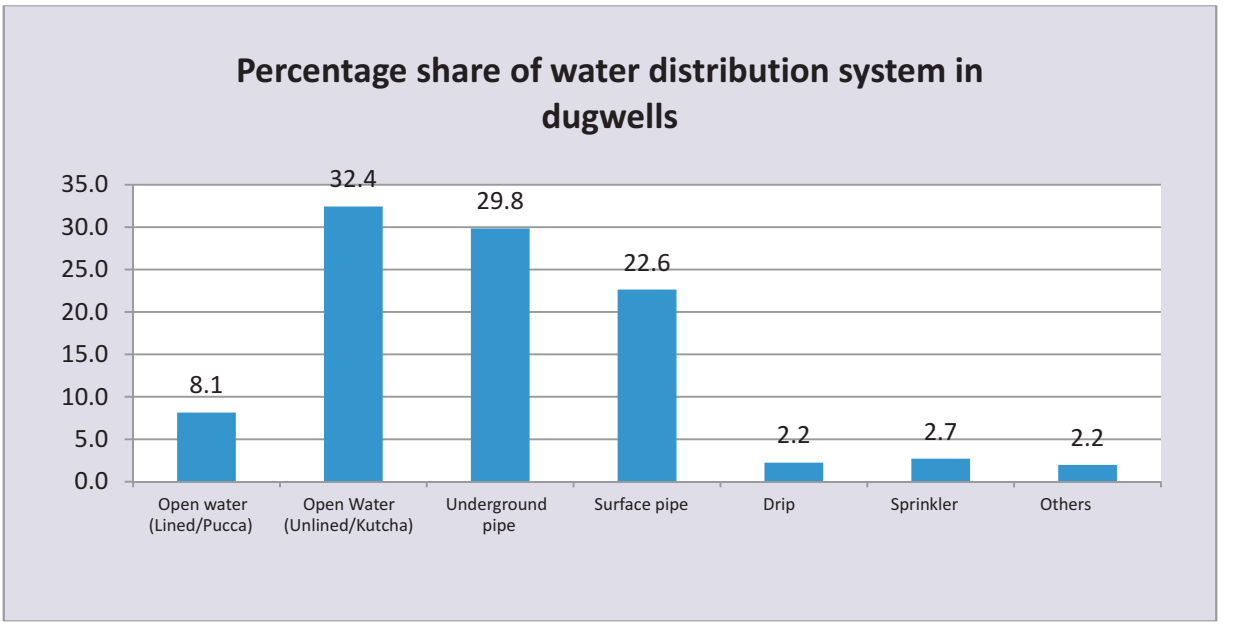
(12%). In individually owned dugwells, 70.7% are financed by single source and 29.3% are having more than one source of finance. In single source of finance, majority of schemes (76.5%) were financed by own saving only.



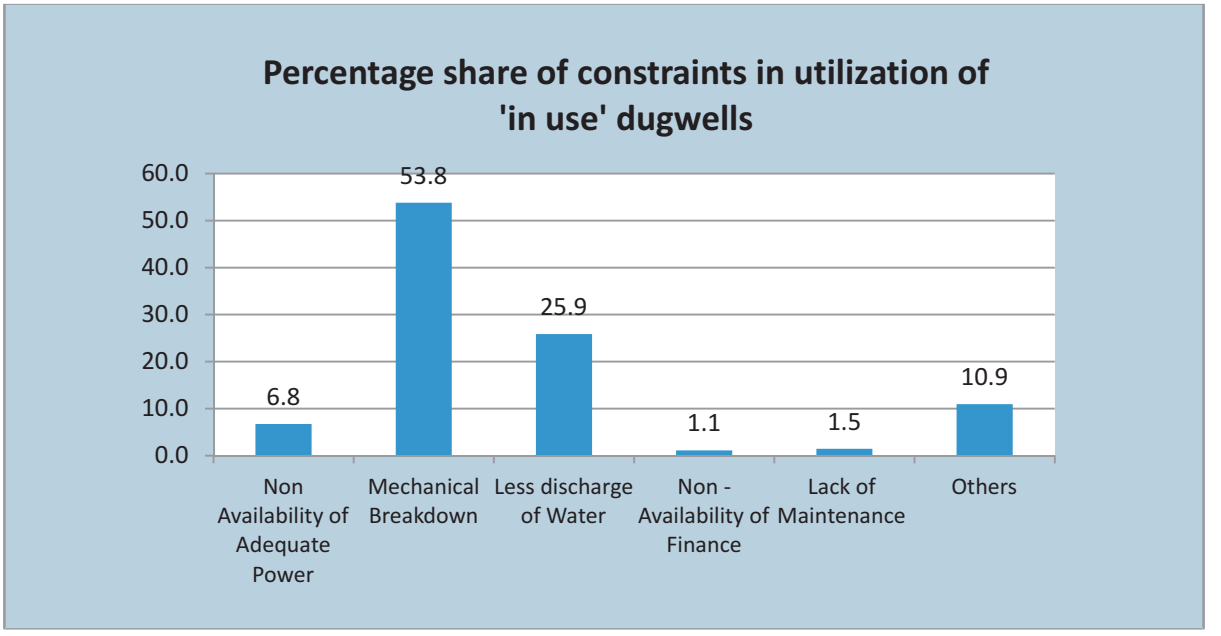


Majority, i.e. 49.4% dugwells have submersible pumps for lifting water followed by centrifugal pump (41.5%) and turbine (2.9%). Among the dugwells, the major source of energy used for lifting devices is electric pumps (87.6%) followed by diesel (9.6%). Around 80.3% dugwells have depth in the range 0-20 meters followed by 15.2% in 20-40 meters, 3.8% in 40-60 meters, 0.2% in 60-70 meters whereas 0.5% dugwells have depth of more than 70 meters.

According to water distribution system, open water channel (unlined/kutcha) is dominant (32.4%) followed by underground pipe (29.8%) in dugwells as shown in the chart given below.

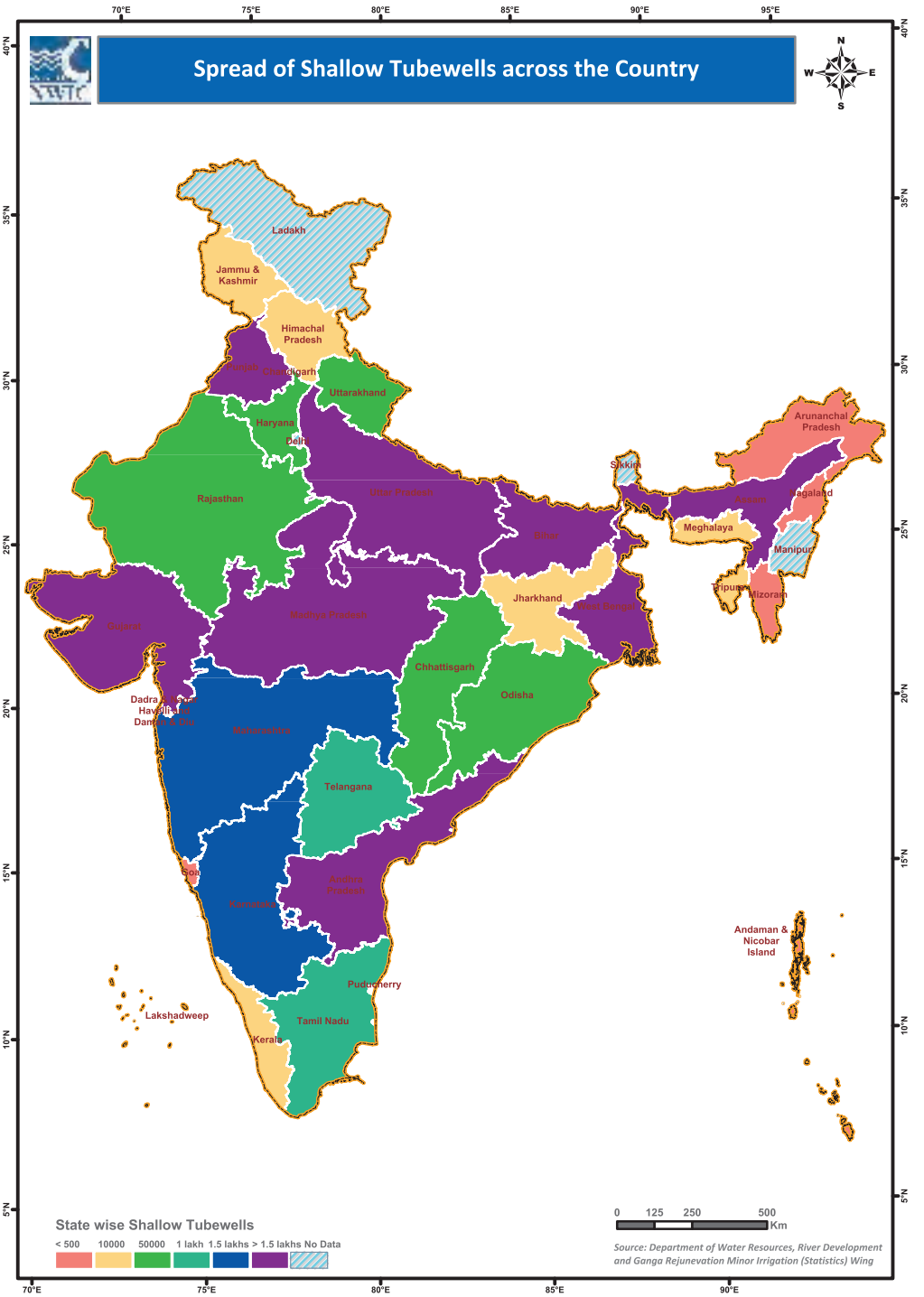


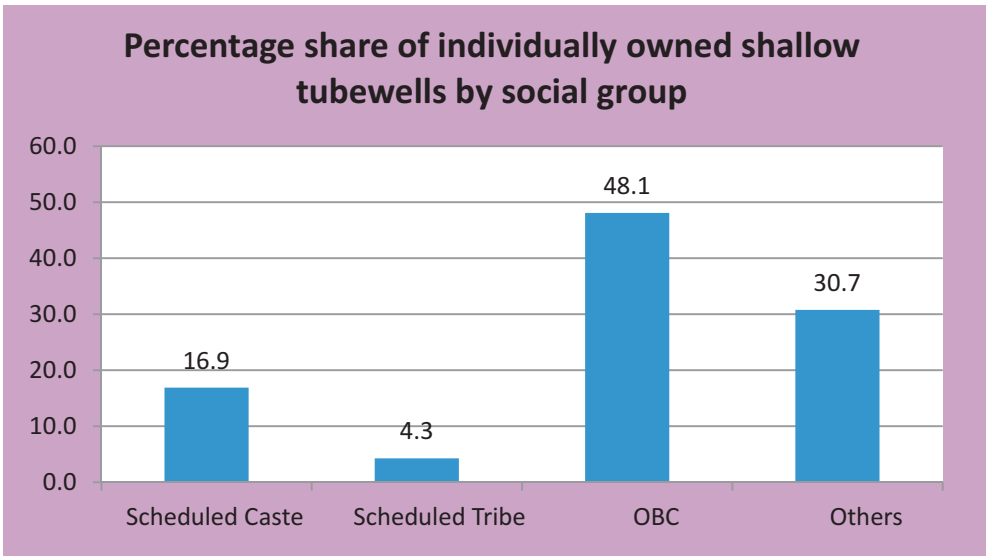
In the Dugwells, which are 'in use', around 77.4% dugwells are functioning without any constraint in utilisation of potential. Out of remaining 22.6% dugwells having constraint in utilisation, reason of 'Mechanical Break Down' is the dominant (53.8%) followed by 'less discharge of water' (25.9%).



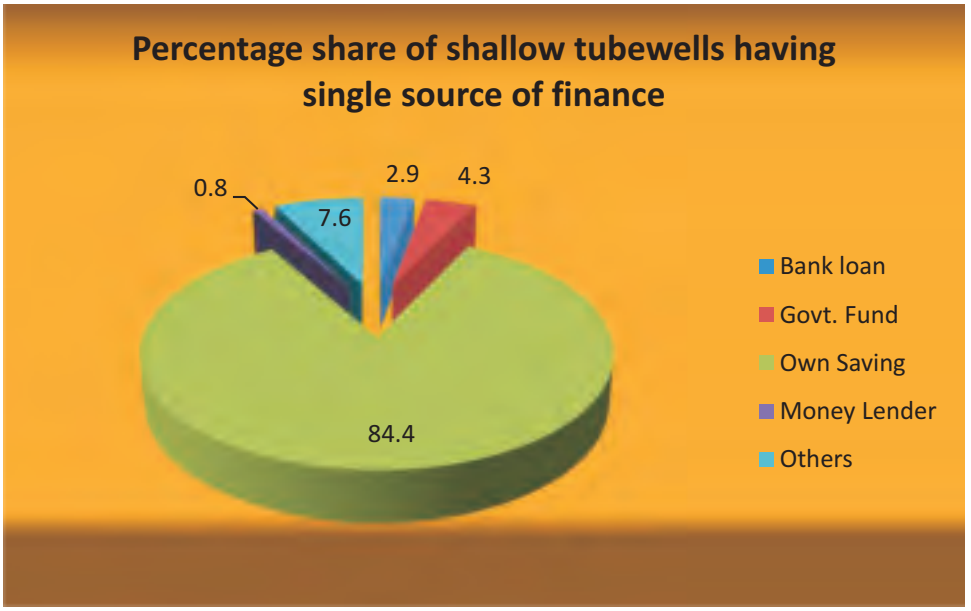
5.3.2 Shallow Tubewells:

There are total of 5.6 million shallow tubewells the country irrigating 20.4 million hectare of land. Shallow tubewells are dominantly owned by private entities (99.1%). Out of these, 96.3% shallow tubewells are owned by individual farmers and only 3.7% are owned by group of farmers. Marginal and small farmers have the largest share in ownership of shallow tubewells (82.6%). As per the social status of the farmers owning shallow tubewells, 48.1% schemes belong to Other Backward Castes (OBCs) followed by others (30.7%), Scheduled Caste (16.9%) and Scheduled Tribe (4.3%).



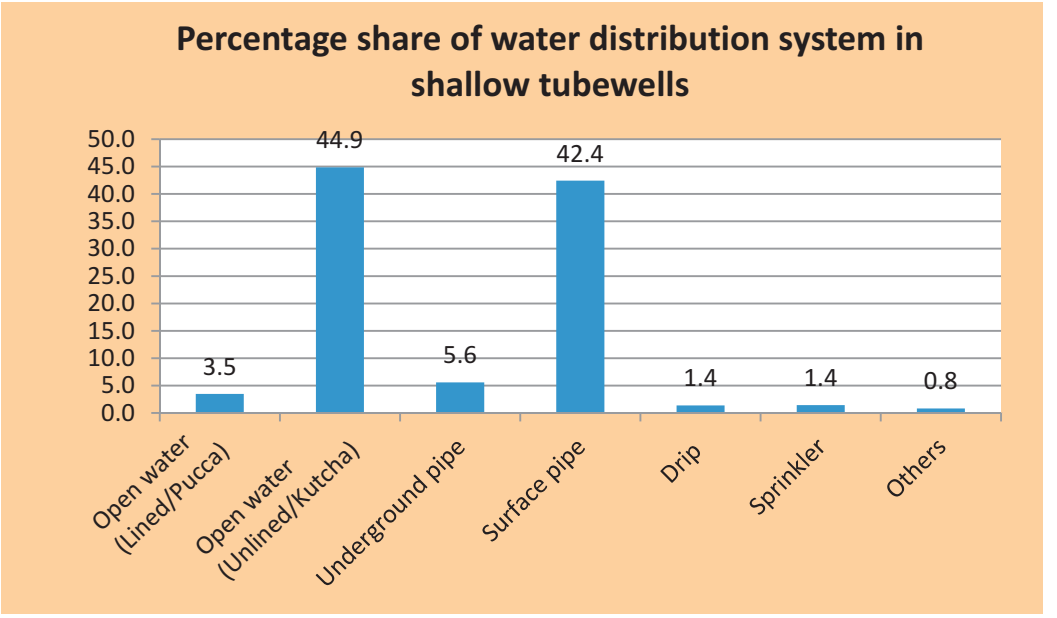


In individually owned shallow tubewells, about 54% are financed by single source of finance and 46% are having more than one source of finance. In single source of finance, majority of schemes (84.4%) were financed by own saving only.

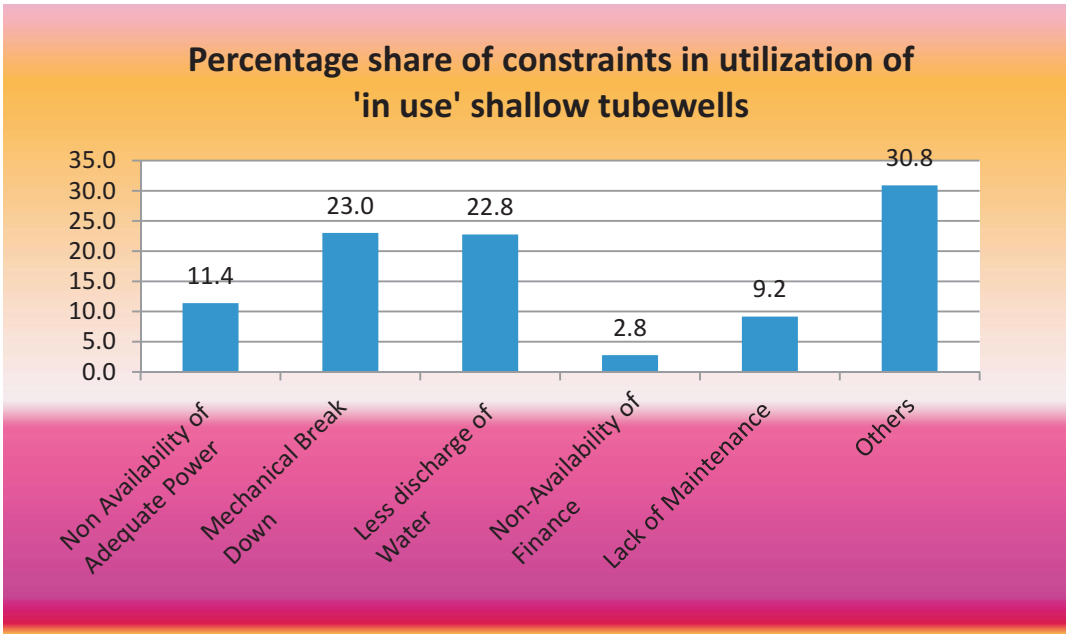


66.5% shallow tubewells have centrifugal pumps as lifting devices followed by submersible pumps (30.4%). Among all the sources of energy used in lifting devices, diesel pump is dominating (61.4%) followed by electricity (38.2%). In 6th MI census, 71.9% shallow tubewells are in the depth range of 20-35 meters whereas 28.1% are in the depth range 0-20 meters.

According to water distribution system, open water channel (unlined/kutcha) is dominant (44.9%) followed by surface pipe (42.4%).

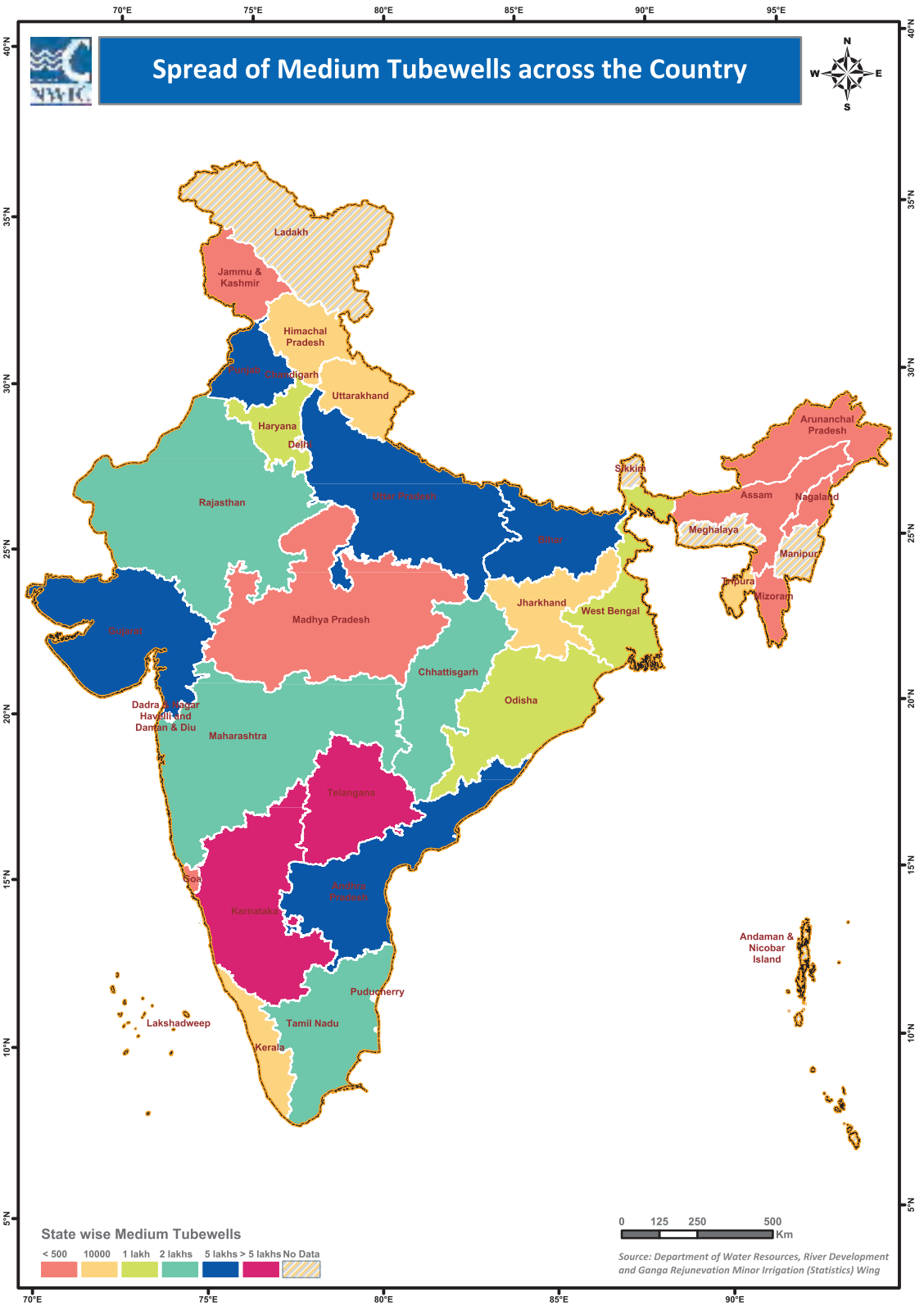


In the shallow tubewells, which are 'in use', around 95.7% are functioning without any constraint in utilisation of potential. Out of remaining 4.3% which are having constraint in utilisation, one of the major constraints is 'mechanical breakdown' followed by 'less discharge of water' and 'non-availability of adequate power.

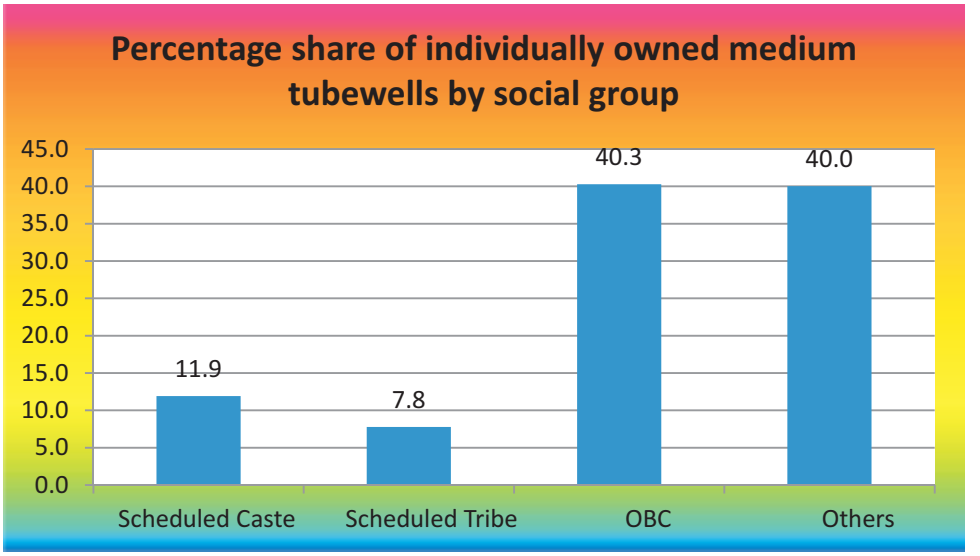


5.3.3 Medium Tubewells:

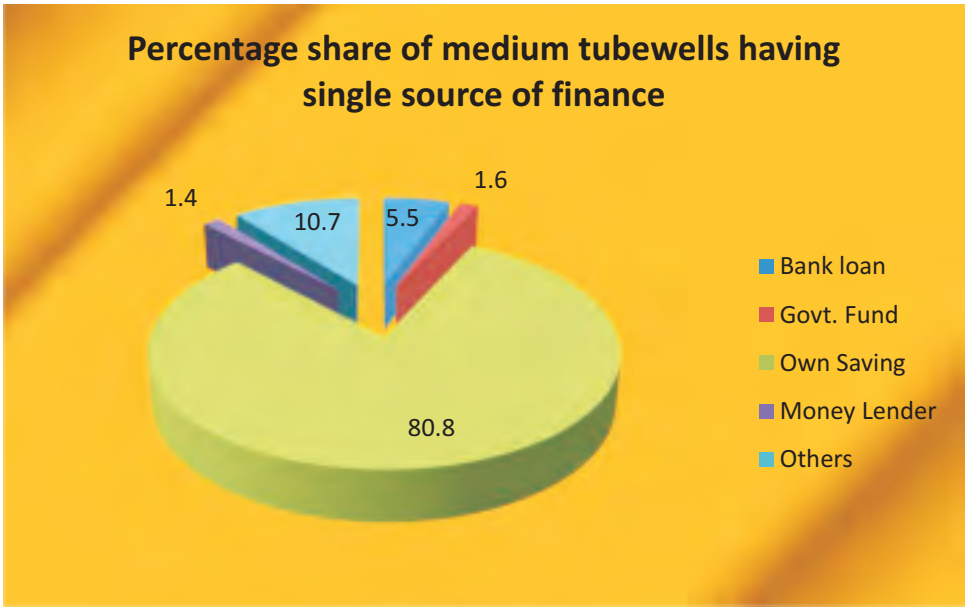
There are total of 4.32 million medium tubewells in the country irrigating 16.4 million hectares of land.



Medium tubewells are dominantly owned by private entities (98.5%). Out of these, 95.4% medium tubewells are owned by individual farmers and only 4.6% are owned by group of farmers. Marginal and small farmers have the largest share (64.7%) in ownership of medium tubewells. As per the social status of the farmers owning medium tubewells, 40.3% are from Other Backward Castes (OBCs) followed by Others (40%), Scheduled Caste (11.9%) and Scheduled Tribe (7.8%).



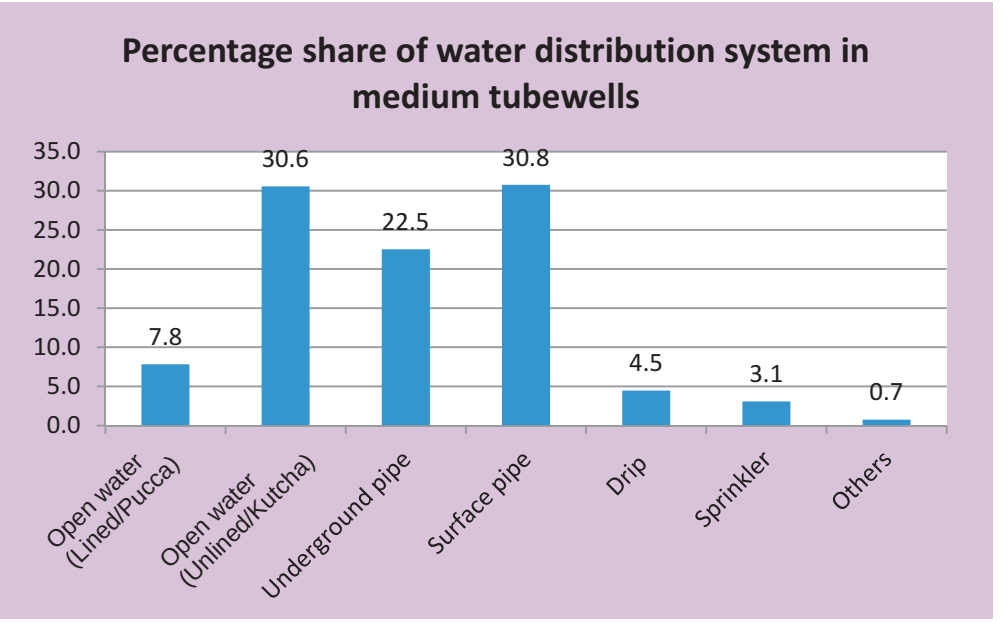
In individually owned medium tubewells, 51.9% are financed using single source and 48.1% are financed using more than one source. In single source of finance, majority of schemes (80.8%) are financed by own savings only as shown in the pie chart given below.



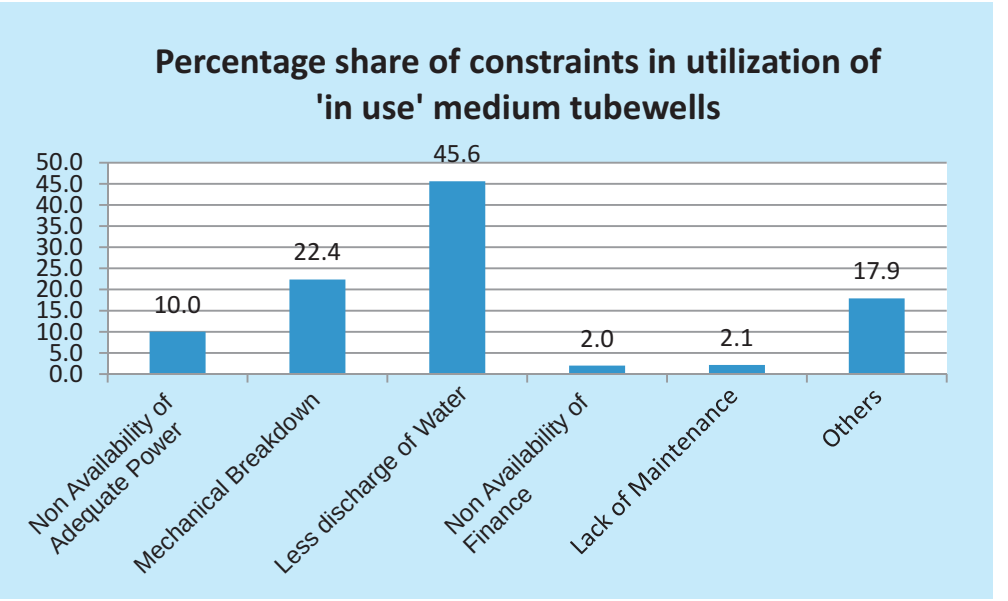
About 80.9% medium tubewells have submersible pumps for lifting water followed by centrifugal pumps (15.7%). Among all the sources of energy used in lifting devices, electric pumps are dominating

(85.8%) followed by diesel pumps (12.5%). As per the definition, medium tubewells have depth in the range 35-70 meters. In the 6th MI census, 49.7% medium tubewells are in the depth range of 40-60 meters whereas 39.1% are in depth range of 60-70 meters.

According to water distribution system, surface pipe (30.8%) is dominant followed by open water channel (unlined/kutcha) (30.6%) and underground pipe (22.5%), which is also shown in the bar graph given below.

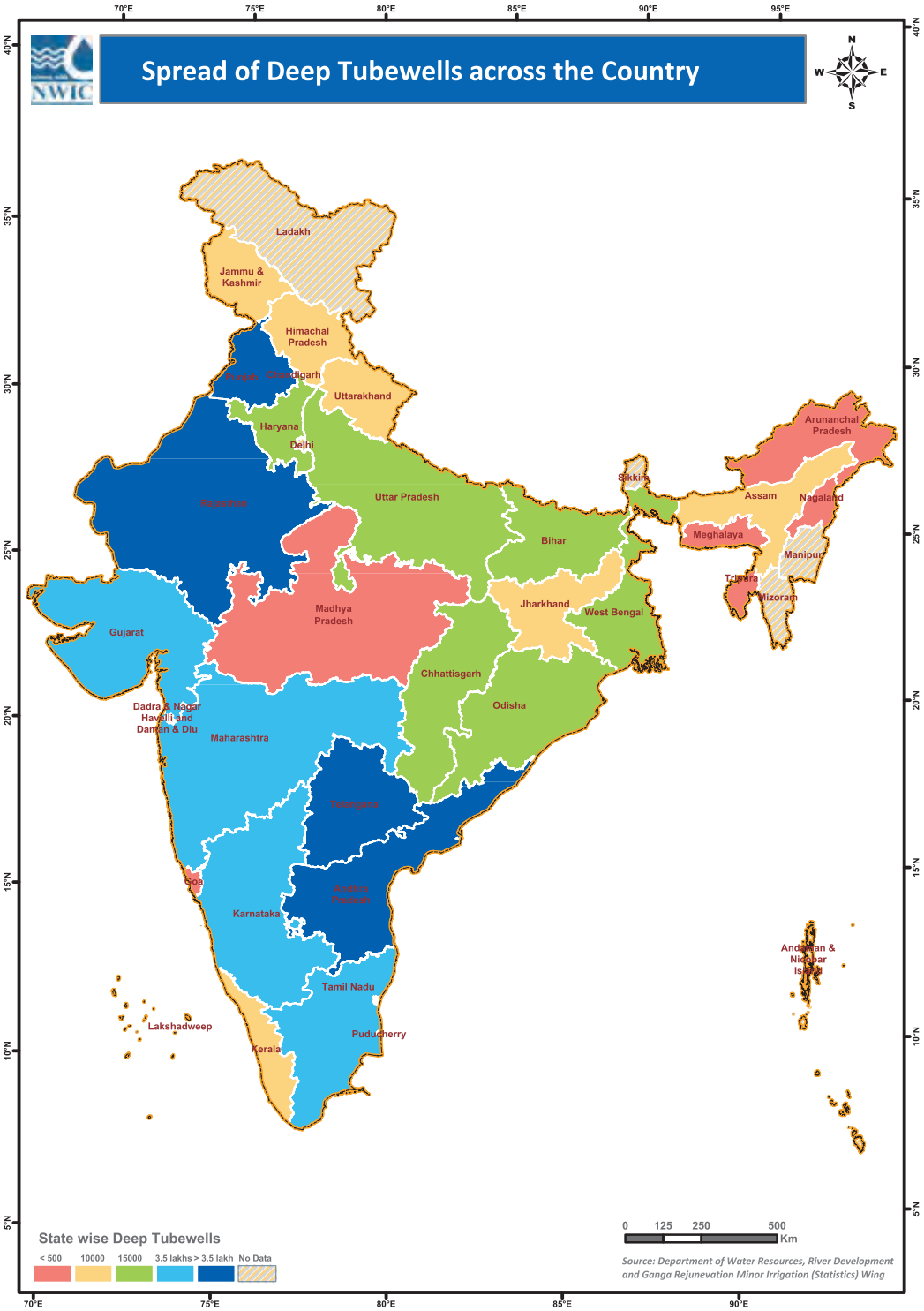


In the medium tubewells, which are 'in use', around 91.6% are functioning without any constraint in utilisation of potential. Out of remaining 8.4% which are having constraint in utilisation, 'less discharge of water' is main constraint followed by 'mechanical breakdown', which is also depicted from the chart given below.

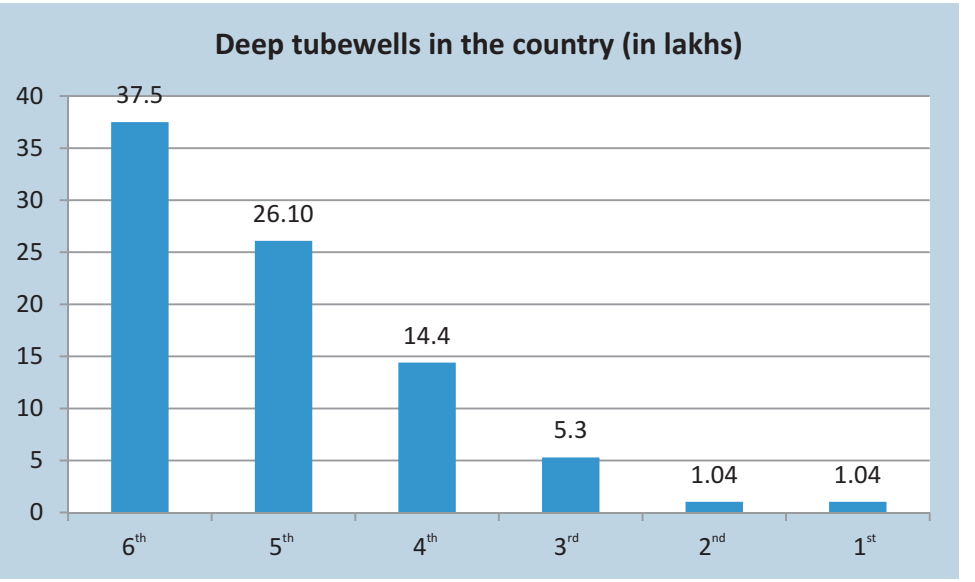


5.3.4 Deep Tubewells:

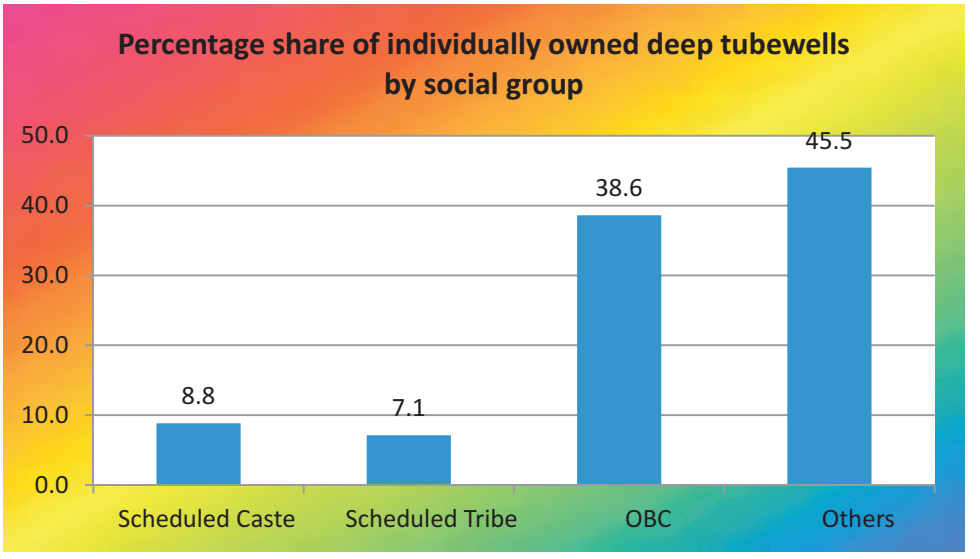
There are total of 3.75 million deep tubewells in the country irrigating 15.5 million hectares of land.



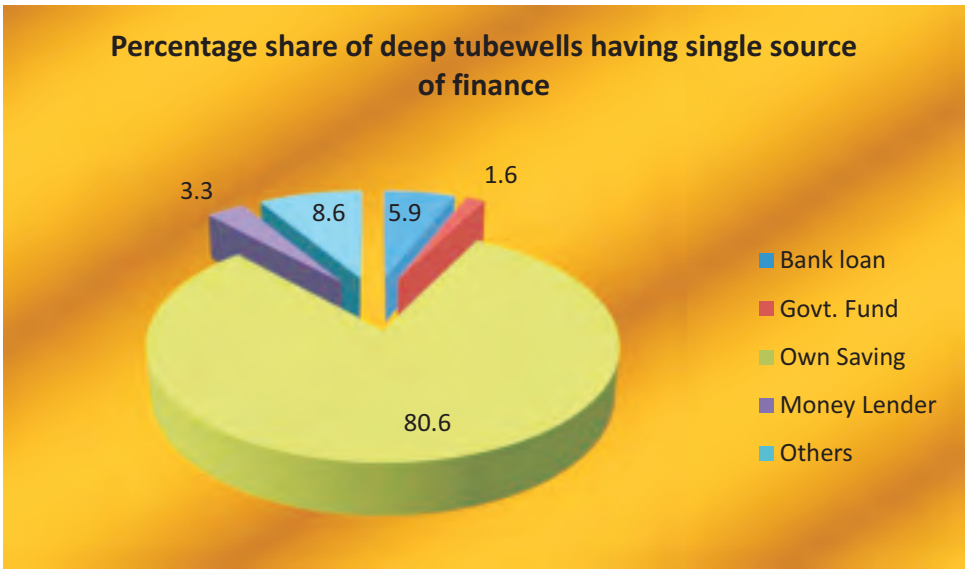
Deep tubewells grew from 1.04 lakh in 1986-87 to 37.5 lakh in 2017-18 as depicted in the chart given below.



Deep tubewells are dominantly owned by private entities (98.7%). Out of these, about 85.9% deep tubewells are owned by individual farmers and only 14.1% are owned by group of farmers. Marginal and small farmers have the largest share (57.5%) in ownership of deep tubewells. As per the social status of the farmers owning deep tubewells, about 45.5% schemes belong to Others followed by Other Backward Castes (OBCs) (38.6%), Scheduled Caste (8.8%) and Scheduled Tribe (7.1%).

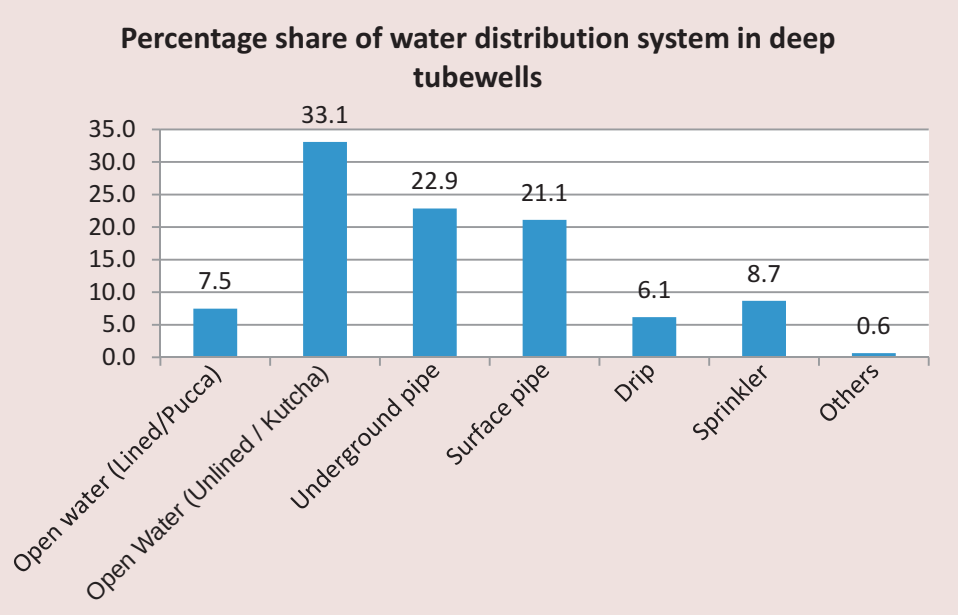


In individually owned deep tubewells, about 58.4% are financed by single source of finance and 41.6% are having more than one source of finance. In single source of finance, majority of schemes (80.6%) were financed by own savings only.

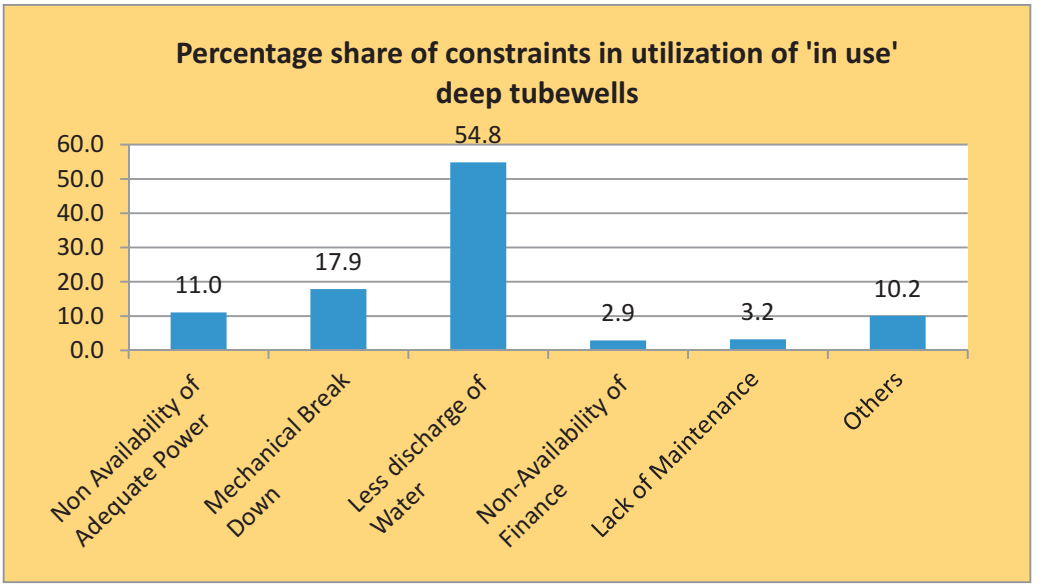


92.4% deep tubewells have submersible pumps for lifting water followed by centrifugal pumps (6.0%). Among the single sources of energy, electricity is dominating (97.1%) followed by diesel (2.1%). As per the definition, deep tubewells have depth more than 70 meters and in 6th MI census, many (37.6%) of deep tubewells are in the depth range of 70-90 meters followed by 27.4% with depth ranging between 90-110 meters.

According to water distribution system, open water channel (unlined/kutcha) is dominant (33.1%) followed by underground pipe (22.9%) and surface pipe (21.1%).

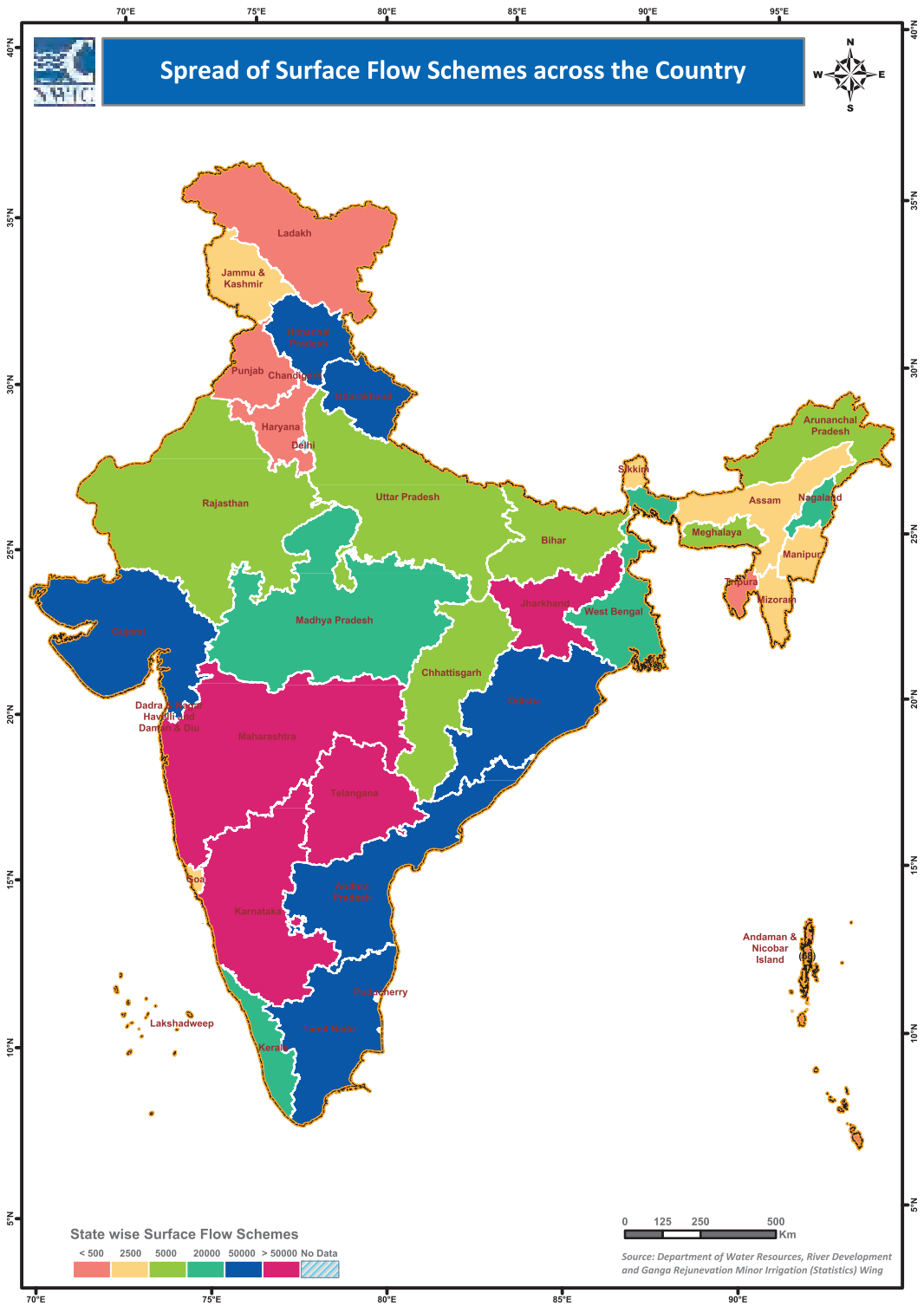


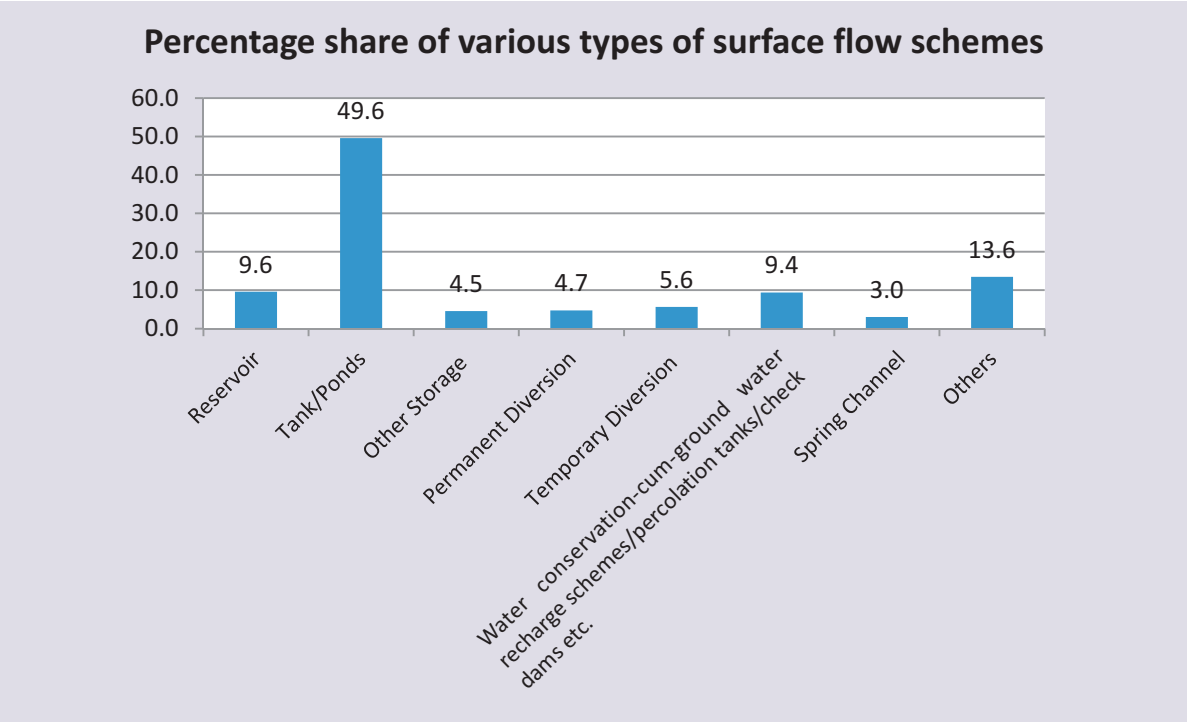
In the deep tubewells, which are 'in use', around 86.3% are functioning without any constraint in utilisation of potential. Out of remaining 13.7% deep tubewells having constraint in utilisation, reason of 'less discharge of water' is dominant (54.8%) followed by 'mechanical break down' (17.9%).


Percentage share of constraints in utilization of 'in use' deep tubewells
60.0
50.0
40.0
30.0
20.0
10.0
0.0
11.0
17.9
54.8
2.9
3.2
10.2
Non Availability of Adequate Power
Mechanical Break Down
Less discharge of Water
Non-Availability of Finance
Lack of Maintenance
Others

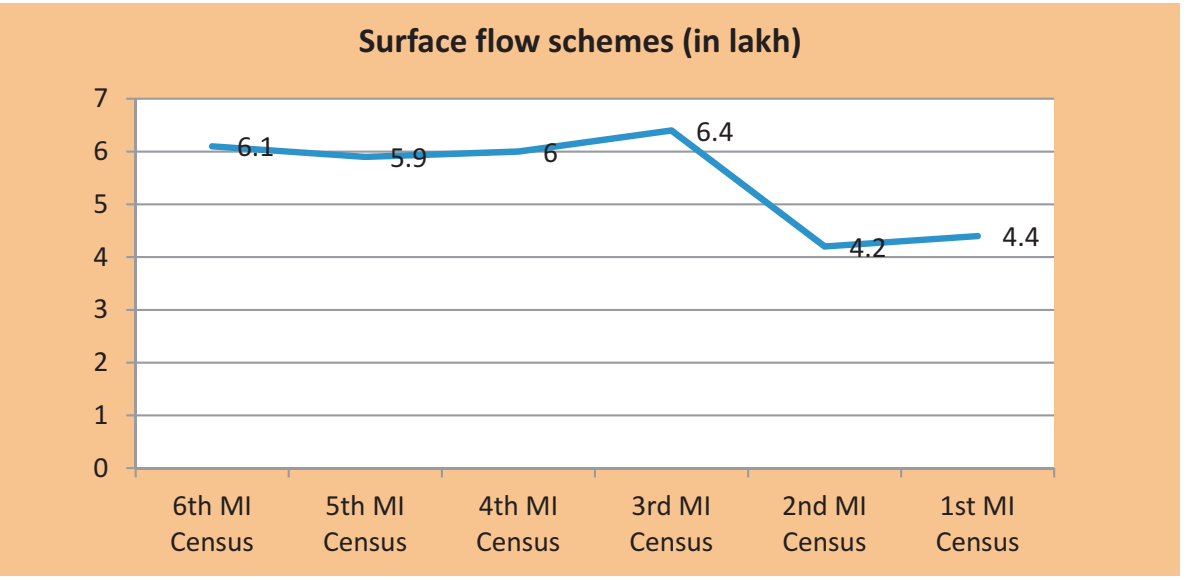
5.3.5 Surface Flow schemes:

There are total of 0.61 million surface flow schemes the country irrigating 4.0 million ha of land. Majority of these surface flow schemes are located in Maharashtra, Karnataka, Jharkhand, Telangana, Andhra Pradesh, Tamil Nadu and Uttarakhand. In surface flow schemes, tanks/ponds have largest share of 49.6%.

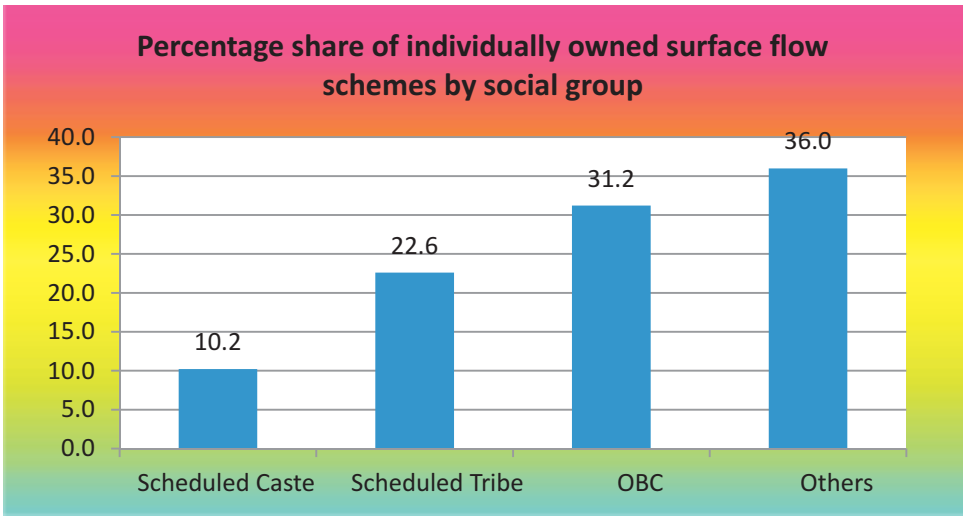




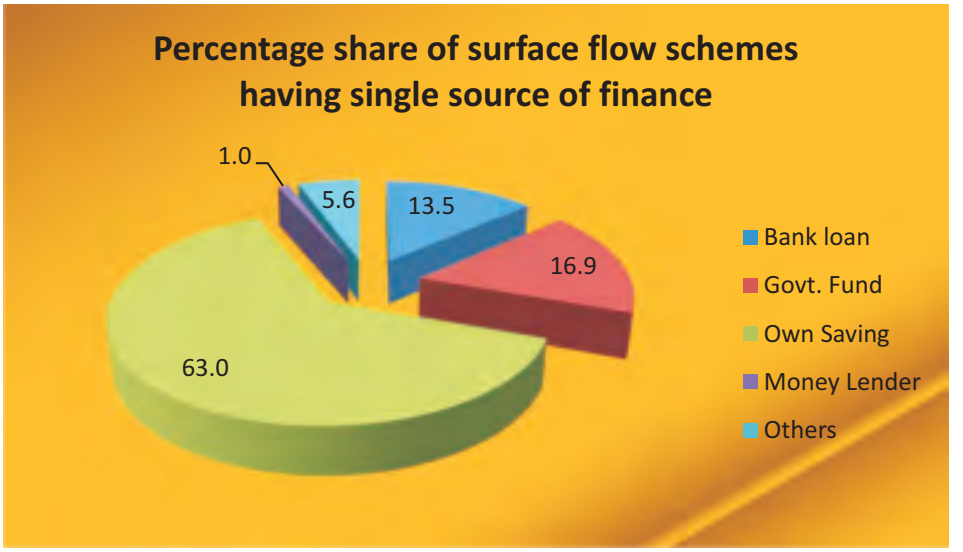
The number of surface flow schemes over the years in the country is depicted in the chart given below:



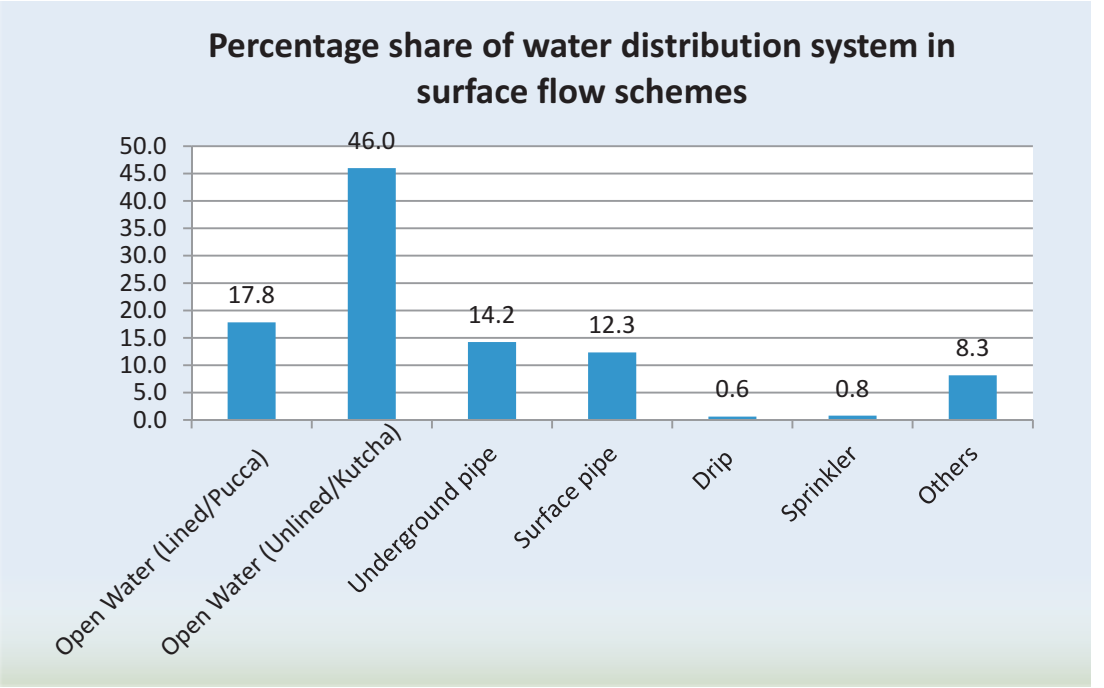
Surface flow schemes are largely in public ownership (55.1%) whereas 44.9% are owned by private entities. In public owned surface flow schemes, majority (67.0%) are Government owned followed by panchayat (24.1%) and rest (8.9%) are owned by cooperatives and others. In privately owned surface flow schemes, majority (78.3%) is owned by individual farmers and only 21.7% are owned by group of farmers. Marginal and small farmers have the largest share in ownership of surface flow schemes (69%). As per the social status of the farmers owning surface flow schemes, about 36.0% schemes belong to Others followed by Other Backward Castes (OBCs) (31.2%), Scheduled Tribe (22.6%) and Scheduled Caste (10.2%).



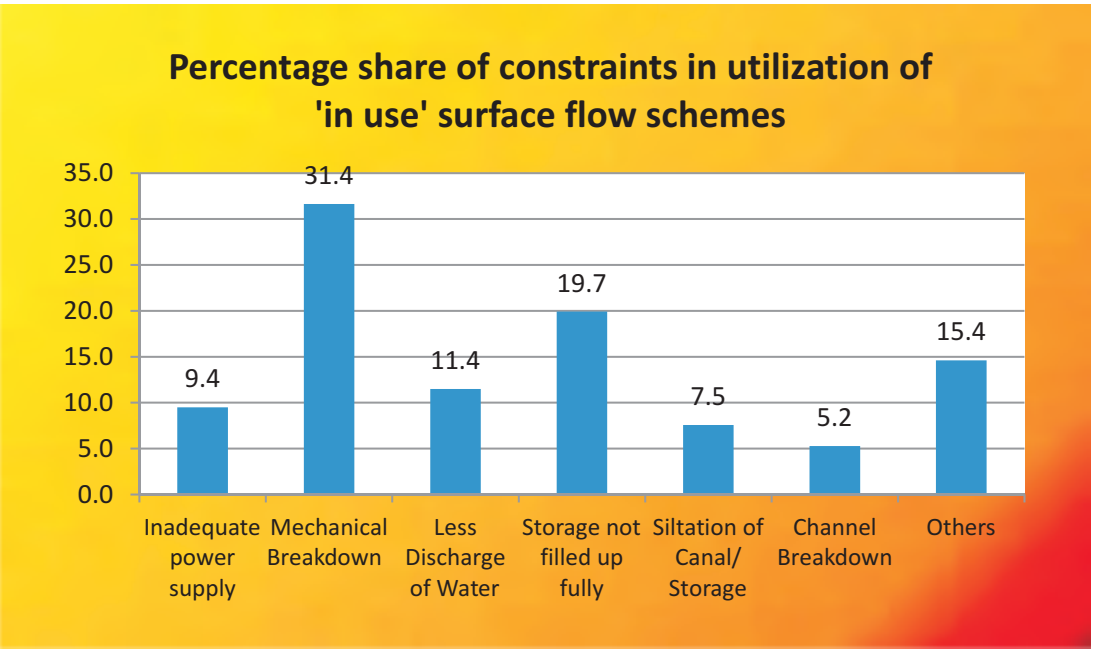
In individually owned surface flow schemes, 73.3% are financed by single source of finance and 26.7% are having more than one source of finance. In single source of finance, majority of individually owned surface flow schemes (63%) are financed by own saving only followed by Government fund (16.9%) and Bank loan (13.5%) which is also shown in the chart given below.



According to water distribution system, open water channel (unlined/kutcha) is dominant (46%) followed by open water channel (lined/pucca) (17.8%), underground pipe (14.2%) and surface pipe (12.3%).

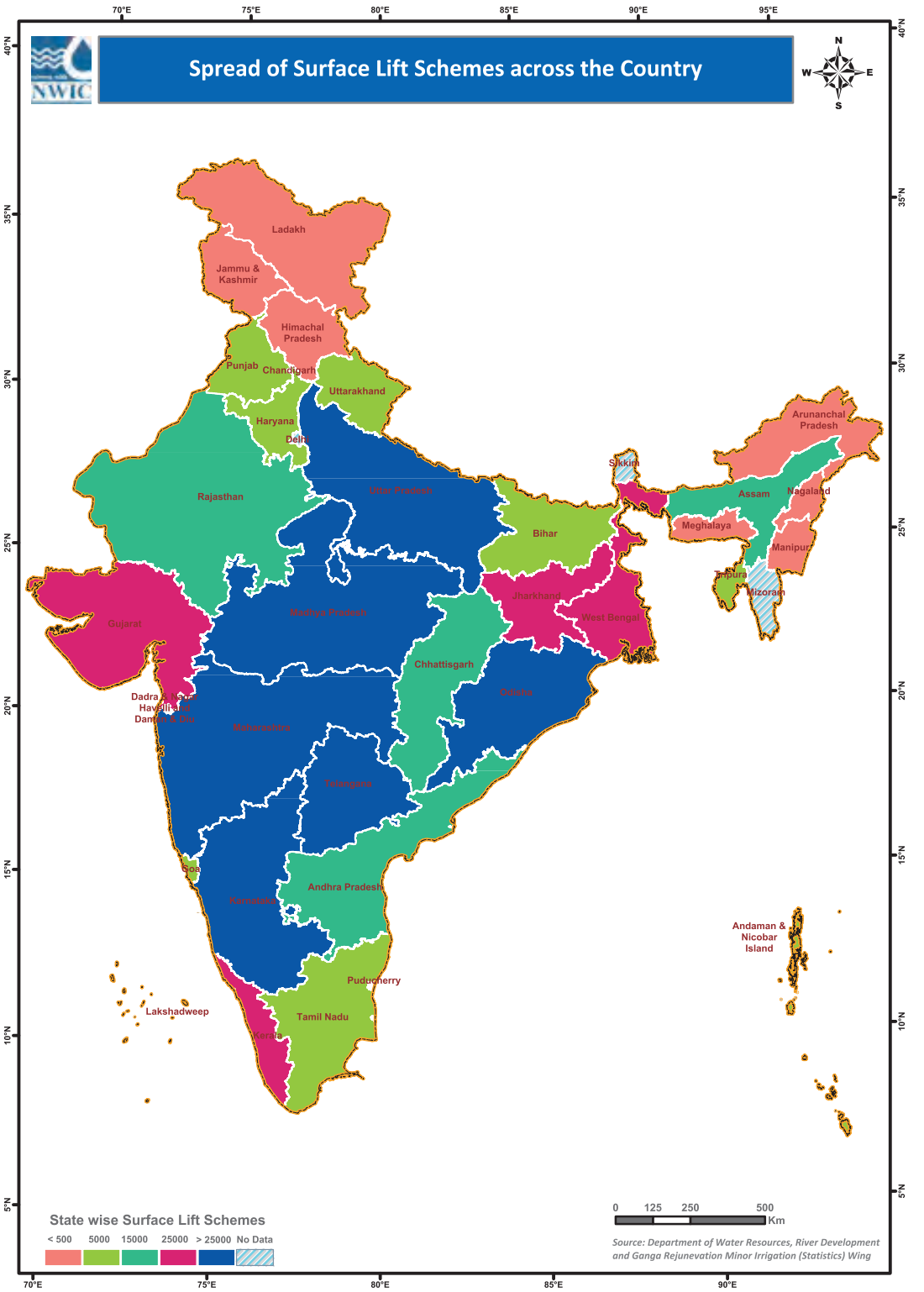


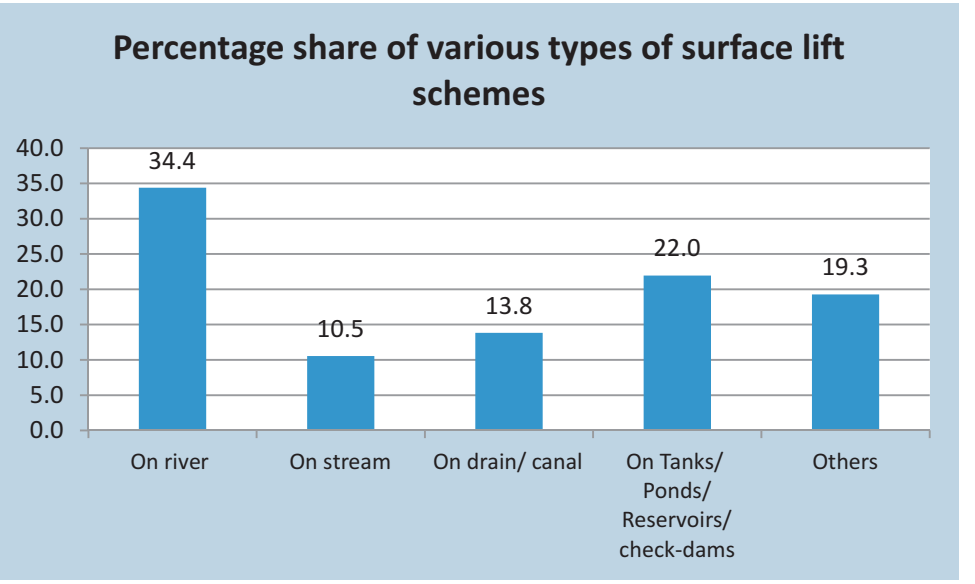
In surface flow schemes, which are 'in use', around 78.6% schemes are functioning without any constraint in utilisation of potential. Out of remaining 21.4% surface flow schemes having constraint in utilisation, the predominant reasons for underutilization are mechanical breakdown (31.4%) followed by 'storage not filled up fully' (19.7%).



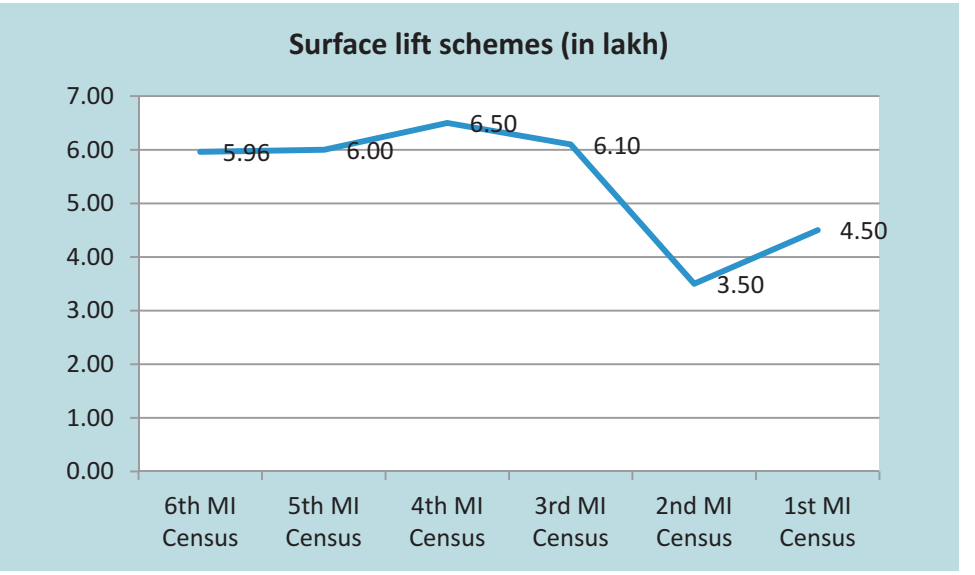
5.3.6 Surface Lift schemes:

There are total of 0.60 million surface flow schemes in the country irrigating 2.0 million hectares of land. Majority of these surface lift schemes are located in Maharashtra, Odisha, Karnataka, Telangana, Madhya Pradesh and Uttar Pradesh. Majority of surface lift schemes are located on river (34.4%) followed by 'tanks/ ponds/ reservoirs/ check dams' (22%).

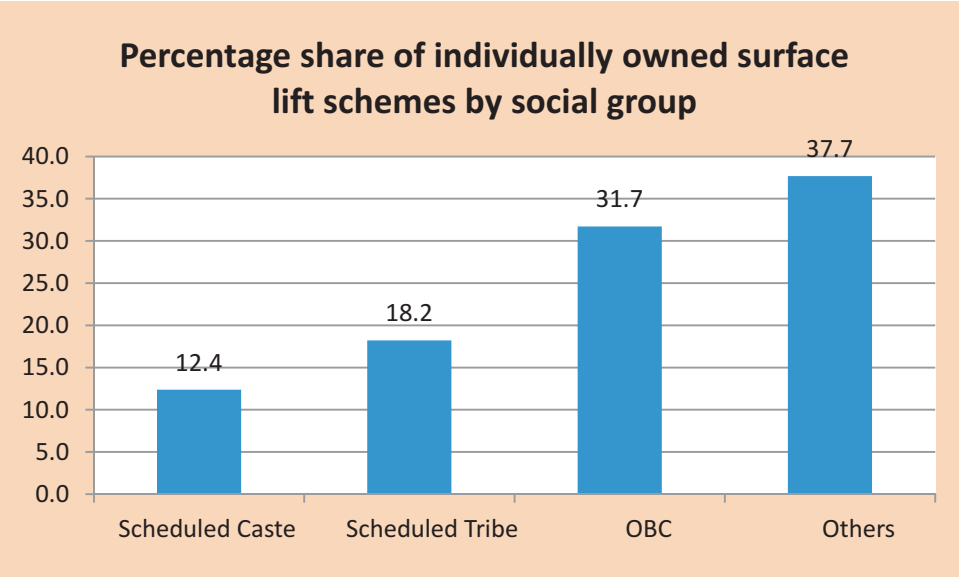




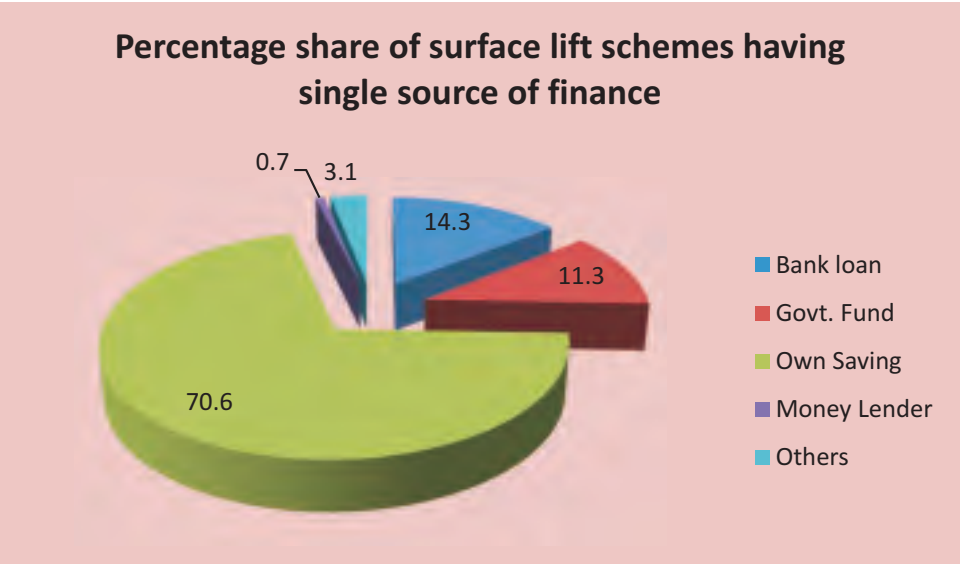
The number of surface lift schemes over the years in the country is depicted in the chart given below:



Surface lift schemes are dominantly owned by private entities (83.9%). Out of these, about 90.8% surface lift schemes are owned by individual farmers and only 9.2% are owned by group of farmers. Marginal and small farmers have the largest share in ownership of surface lift schemes (70.6%). As per the social status of the farmers owning surface lift schemes, 37.7% schemes belong to 'Others' social group followed by Other Backward Castes (OBCs) (31.7%), Scheduled Tribe (18.2%) and Scheduled Caste (12.4%).

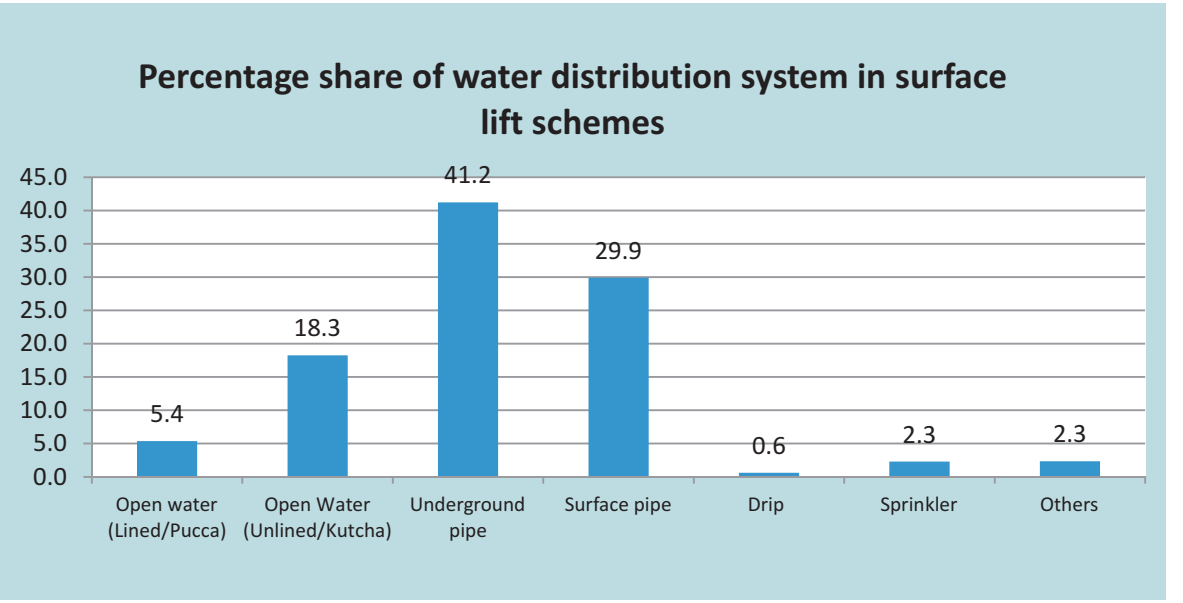


In individually owned surface lift schemes, 73.4% are financed by single source of finance and 26.6% are having more than one source of finance. In single source of finance, majority of schemes (70.6%) are financed by own saving only followed by Bank loan (14.3%) and Government fund (11.3%).

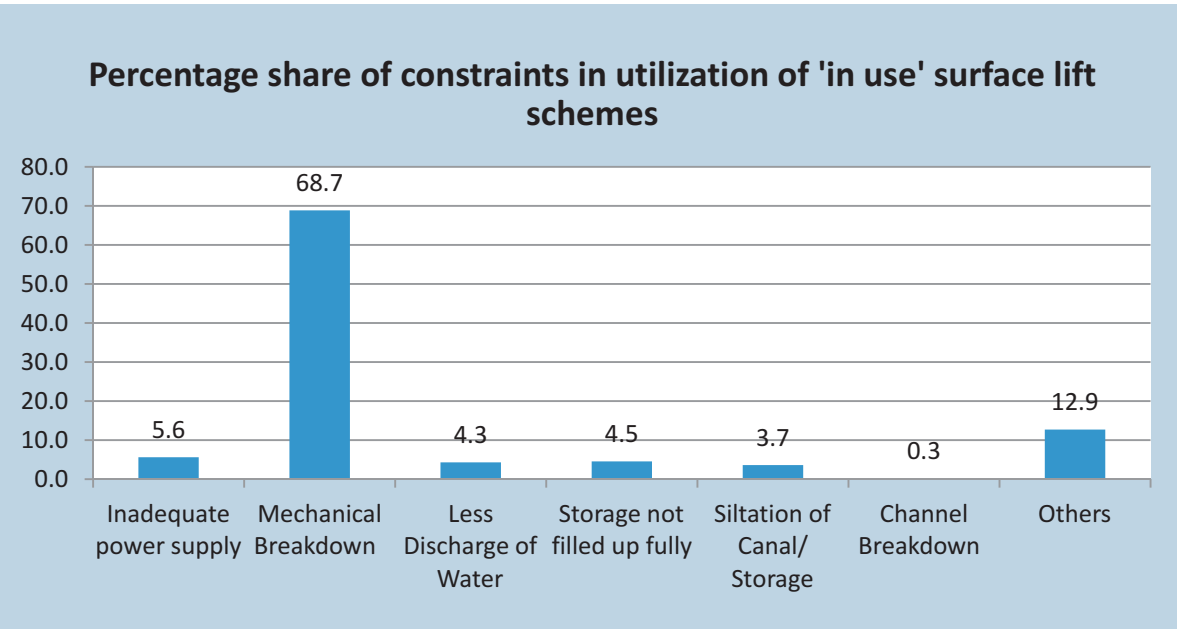


51.5% of surface lift schemes have centrifugal pumps followed by submersible pumps (39%) for lifting the water. Among all the sources of energy, electricity is dominating (70.2%) followed by diesel (25.4%).

According to water distribution system, underground pipe is dominant (41.2) followed by surface pipe (29.9%) and open water channel (unlined/kutcha) (18.3%).



In surface lift schemes, which are 'in use', 72.6% are functioning without any constraint in utilisation of potential. Out of remaining 27.4% surface lift schemes, mechanical breakdown(68.9%) is reported as the main reason for underutilisation.



Integrated

and

Scheme wise all Tables

MINOR IRRIGATION CENSUS (2017-18)
TABLE I(A): MINOR IRRIGATION SCHEMES AT A GLANCE

S.No.	State	No. of Districts	No. of Blocks	No. of Villages	Total Number of Schemes								
					Ground Water					Surface Water			Grand Total (10+13)
					Dugwell	Shallow Tubewell	Medium Tubewell	Deep Tubewell	Total (6+7+8+9)	S. Flow Scheme	S. Lift Scheme	Total (11+12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	3	9	362	2429	40	0	0	2469	68	3429	3497	5966
2	ANDHRA PRADESH	13	666	17397	171301	198162	237713	525593	1132769	47590	10605	58195	1190964
3	ARUNACHAL PRADESH	20	78	4936	25	18	2	5	50	3374	2	3376	3426
4	ASSAM	33	246	26397	38	151095	369	674	152176	2083	7570	9653	161829
5	BIHAR	38	534	45078	15926	183878	455650	35777	691231	4545	4859	9404	700635
6	CHANDIGARH	1	1	13	0	0	0	30	30	0	0	0	30
7	CHHATISGARH	27	150	20292	31414	27875	156944	117354	333587	4245	12090	16335	349922
8	GOA	2	12	418	3932	71	21	7	4031	1030	1072	2102	6133
9	GUJARAT	33	247	18490	382286	303245	390256	279040	1354827	24117	17141	41258	1396085
10	HARYANA	22	93	7041	1005	20892	49495	148073	219465	98	637	735	220200
11	HIMACHAL PRADESH	12	169	21194	431	5255	3600	1405	10691	21689	297	21986	32677
12	JAMMU & KASHMIR	22	218	7071	4725	4766	318	661	10470	2541	101	2642	13112
13	JHARKHAND	24	260	32689	160077	1611	1209	520	163417	71961	17285	89246	252663
14	KARNATAKA	30	176	29700	134603	115123	696702	330824	1277252	75073	52890	127963	1405215
15	KERALA	14	245	1034	52135	3146	5301	1871	62453	8269	21852	30121	92574
16	MADHYA PRADESH	52	737	56806	1336682	419460	243781	232720	2232643	19557	33093	52650	2285293
17	MAHARASHTRA	36	353	43945	2749088	131100	174194	179583	3233965	99621	239278	338899	3572864
18	MANIPUR	9	38	2675	0	0	0	0	0	774	197	971	971
19	MEGHALAYA	11	46	6703	149	803	0	5	957	4493	3	4496	5453
20	MIZORAM	8	29	830	34	4	23	0	61	2419	0	2419	2480

S.No.	State	No. of Districts	No. of Blocks	No. of Villages	Total Number of Schemes								
					Ground Water					Surface Water			Grand Total (10+13)
					Dugwell	Shallow Tubewell	Medium Tubewell	Deep Tubewell	Total (6+7+8+9)	S. Flow Scheme	S. Lift Scheme	Total (11+12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
21	NAGALAND	11	74	1114	12	10	3	10	35	19374	46	19420	19455
22	ODISHA	30	314	50065	265554	42443	46550	61434	415981	30701	63899	94600	510581
23	PUDUCHERRY	3	14	123	37	625	1828	1341	3831	705	0	705	4536
24	PUNJAB	22	139	12940	0	181189	418938	573630	1173757	324	1408	1732	1175489
25	RAJASTHAN	33	323	46246	834841	21417	140380	478286	1474924	2674	13475	16149	1491073
26	SIKKIM	4	414	1037	0	0	0	0	0	1566	0	1566	1566
27	TAMIL NADU	32	385	17440	1577198	89026	110660	293934	2070818	39711	4380	44091	2114909
28	TELENGANA	31	568	10805	457784	76790	677156	367519	1579249	62753	37866	100619	1679868
29	TRIPURA	8	58	1178	4	1009	1468	266	2747	360	2166	2526	5273
30	UTTARAKHAND	13	95	16082	411	44838	5003	1739	51991	37860	613	38473	90464
31	UTTAR PRADESH	75	821	106402	85224	3333679	418316	106883	3944102	4425	27790	32215	3976317
32	WEST BENGAL	23	342	40891	11080	227536	82266	11063	331945	17059	21937	38996	370941
	Total	695	7854	647394	8278425	5585106	4318146	3750247	21931924	611059	595981	1207040	23138964

TABLE I (B): MINOR IRRIGATION SCHEMES FOR RECHARGE OF GROUND WATER ONLY

S.No.	State	No. of Districts	No. of Blocks	No. of Villages	Total Number of GROUND WATER RECHARGE Schemes								
					Ground Water					Surface Water			Grand Total (10+13)
					Dugwell	Shallow Tubewell	Medium Tubewell	Deep Tubewell	Total (6+7+8+9)	S. Flow Scheme	S. Lift Scheme	Total (11+12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	3	9	362	192	0	0	0	192	4	156	160	352
2	ANDHRA PRADESH	13	666	17397	29	11	10	153	203	421	29	450	653
3	ARUNACHAL PRADESH	20	78	4936	0	0	0	0	0	0	0	0	0
4	ASSAM	33	246	26397	0	36	0	0	36	3	0	3	39
5	BIHAR	38	534	45078	2953	20624	115274	4562	143413	899	1947	2846	146259
6	CHANDIGARH	1	1	13	0	0	0	0	0 0	0	0	0	
7	CHHATISGARH	27	150	20292	419	571	2749	2291	6030	245	309	554	6584
8	GOA	2	12	418	10	0	0	0	10	10	6	16	26
9	GUJARAT	33	247	18490	166	237	577	1	981	23576	3	23579	24560
10	HARYANA	22	93	7041	10	212	165	238	625	2	29	31	656
11	HIMACHAL PRADESH	12	169	21194	11	2	5	12	30	118	2	120	150
12	JAMMU & KASHMIR	22	218	7071	2	1	0	0	3	1	1	2	5
13	JHARKHAND	24	260	32689	11619	143	214	23	11999	9206	807	10013	22012
14	KARNATAKA	30	176	29700	26817	11324	117459	26361	181961	22031	7933	29964	211925
15	KERALA	14	245	1034	187	31	55	6	279	335	173	508	787
16	MADHYA PRADESH	52	737	56806	12559	3507	741	601	17408	18578	32147	50725	68133
17	MAHARASHTRA	36	353	43945	130974	4285	7878	6700	149837	4062	9672	13734	163571
18	MANIPUR	9	38	2675	0	0	0	0	0	0	0	0	0
19	MEGHALAYA	11	46	6703	149	2	0	4	155	309	0	309	464
20	MIZORAM	8	29	830	5	2	5	0	12	0	0	0	12
21	NAGALAND	11	74	1114	0	0	0	0	0	353	0	353	353
22	ODISHA	30	314	50065	7718	650	1997	1106	11471	318	2462	2780	14251

S.No.	State	No. of Districts	No. of Blocks	No. of Villages	Total Number of GROUND WATER RECHARGE Schemes								
					Ground Water					Surface Water			Grand Total (10+13)
					Dugwell	Shallow Tubewell	Medium Tubewell	Deep Tubewell	Total (6+7+8+9)	S. Flow Scheme	S. Lift Scheme	Total (11+12)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
23	PUDUCHERRY	3	14	123	0	5	0	4	9 7	0	7	16	
24	PUNJAB	22	139	12940	0	67	163	115	345	11	21	32	377
25	RAJASTHAN	33	323	46246	2926	34	516	836	4312	108	182	290	4602
26	SIKKIM	4	414	1037	0	0	0	0	0	0	0	0	0
27	TAMIL NADU	32	385	17440	256989	14315	21263	40348	332915	18300	2488	20788	353703
28	TELENGANA	31	568	10805	12451	2776	17776	6228	39231	28461	1466	29927	69158
29	TRIPURA	8	58	1178	0	0	0	0	0	0	0	0	0
30	UTTARAKHAND	13	95	16082	0	57	2	0	59	372	13	385	444
31	UTTAR PRADESH	75	821	106402	3530	21615	1613	1726	28484	1082	5425	6507	34991
32	WEST BENGAL	23	342	40891	0	180	1639	310	2129	155	396	551	2680
	Total	695	7854	647394	469716	80687	290101	91625	932129	128967	65667	194634	1126763

TABLE II (A): MINOR IRRIGATION SCHEMES, CCA AND IRRIGATION POTENTIAL IN ALL SCHEMES

S.No.	State	Ground Water				Surface Water				Total			
		(Nos)	CCA	IPC	IPU	(Nos)	CCA	IPC	IPU	(Nos)	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	2469	2403.58	2676.69	1192.40	3497	4268.08	4951.89	2532.52	5966	6671.66	7628.58	3724.92
2	ANDHRA PRADESH	1132769	1313196.32	1691470.19	1354787.05	58195	905385.14	1084772.43	636712.79	1190964	2218581.46	2776242.62	1991499.84
3	ARUNACHAL PRADESH	50	1496.00	1779.50	826.00	3376	33811.18	39274.21	20682.67	3426	35307.18	41053.71	21508.67
4	ASSAM	152176	211934.41	269609.16	197605.60	9653	302448.49	387164.18	137744.74	161829	514382.90	656773.34	335350.34
5	BIHAR	691231	4399150.50	5696870.50	4485157.73	9404	115900.02	152532.95	107722.95	700635	4515050.52	5849403.45	4592880.68
6	CHANDIGARH	30	1040.11	1771.94	1768.94	0	0.00	0.00	0.00	30	1040.11	1771.94	1768.94
7	CHHATISGARH	333587	714177.04	959939.87	782959.45	16335	93732.14	103846.42	72926.97	349922	807909.18	1063786.29	855886.42
8	GOA	4031	3165.38	3180.14	3037.37	2102	4429.57	4430.00	4082.68	6133	7594.95	7610.14	7120.05
9	GUJARAT	1354827	2605918.27	4083453.12	3541913.10	41258	45797.52	53727.62	47023.86	1396085	2651715.79	4137180.74	3588936.96
10	HARYANA	219465	963433.25	1853306.56	1818238.73	735	2395.69	4678.58	4604.18	220200	965828.94	1857985.14	1822842.91
11	HIMACHAL PRADESH	10691	37860.43	63633.55	57011.61	21986	84897.52	140606.11	120597.26	32677	122757.95	204239.66	177608.87
12	JAMMU & KASHMIR	10470	10838.60	20621.61	19536.56	2642	161284.53	212523.44	202192.74	13112	172123.13	233145.05	221729.30
13	JHARKHAND	163417	253299.29	281814.88	219630.00	89246	312123.15	339845.55	246880.07	252663	565422.44	621660.43	466510.07
14	KARNATAKA	1277252	2028493.01	2390204.39	2343664.72	127963	245023.89	291667.65	285737.86	1405215	2273516.90	2681872.04	2629402.58
15	KERALA	62453	33883.37	35345.91	34449.45	30121	138320.17	146264.64	140549.90	92574	172203.54	181610.55	174999.35
16	MADHYA PRADESH	2232643	6549982.40	7641031.47	7202256.76	52650	239479.28	255519.63	225539.60	2285293	6789461.68	7896551.10	7427796.36
17	MAHARASHTRA	3233965	6094421.17	6593449.42	6056648.67	338899	948426.56	1085682.10	919123.35	3572864	7042847.73	7679131.52	6975772.02
18	MANIPUR	0	0.00	0.00	0.00	971	19018.00	21437.00	18450.00	971	19018.00	21437.00	18450.00
19	MEGHALAYA	957	1399.10	2322.10	2033.50	4496	65506.49	76037.77	63741.86	5453	66905.59	78359.87	65775.36
20	MIZORAM	61	19.75	20.40	0.80	2419	17095.54	26666.69	11590.96	2480	17115.29	26687.09	11591.76
21	NAGALAND	35	217.00	244.00	125.00	19420	88617.07	91174.37	57393.26	19455	88834.07	91418.37	57518.26
22	ODISHA	415981	668350.97	936234.77	617213.41	94600	732425.65	948009.67	584381.86	510581	1400776.62	1884244.44	1201595.27
23	PUDUCHERRY	3831	4786.27	8326.80	8274.64	705	11779.96	14765.94	14587.68	4536	16566.23	23092.74	22862.32
24	PUNJAB	1173757	3310074.70	6557754.87	5963120.39	1732	7815.09	14636.71	14241.27	1175489	3317889.79	6572391.58	5977361.66
25	RAJASTHAN	1474924	6791064.95	7777279.90	6905666.15	16149	177313.28	189943.01	134565.52	1491073	6968378.23	7967222.91	7040231.67
26	SIKKIM	0	0.00	0.00	0.00	1566	17678.16	22736.48	17012.08	1566	17678.16	22736.48	17012.08
27	TAMIL NADU	2070818	5484641.61	5958001.96	5341389.39	44091	474578.52	505175.67	383716.62	2114909	5959220.13	6463177.63	5725106.01
28	TELENGANA	1579249	1623547.65	2553032.18	2238108.94	100619	657525.44	953301.00	650374.35	1679868	2281073.09	3506333.18	2888483.29
29	TRIPURA	2747	9487.53	16718.76	13594.24	2526	63654.96	109918.56	86442.30	5273	73142.49	126637.32	100036.54
30	UTTARAKHAND	51991	197373.78	342840.46	318407.29	38473	250479.86	386690.60	308594.91	90464	447853.64	729531.06	627002.20
31	UTTAR PRADESH	3944102	18121798.82	22466781.98	18131150.59	32215	211034.98	265558.62	209261.50	3976317	18332833.80	22732340.60	18340412.09
32	WEST BENGAL	331945	1299740.65	2244013.52	1932939.42	38996	289651.20	454100.51	316136.31	370941	1589391.85	2698114.03	2249075.73
	Total	21931924	62737195.91	80453730.60	69592707.90	1207040	6721897.13	8387640.00	6045144.62	23138964	69459093.04	88841370.60	75637852.52

TABLE II (B): MINOR IRRIGATION SCHEMES IN USE, CCA AND IRRIGATION POTENTIAL

S.No.	State	Ground Water				Surface Water				Total			
		In Use (Nos)	CCA	IPC	IPU	In Use (Nos)	CCA	IPC	IPU	In Use (Nos)	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	2287	2295.01	2566.02	1156.86	3318	4118.82	4785.79	2513.84	5605	6413.83	7351.81	3670.70
2	ANDHRA PRADESH	929378	1113569.65	1440060.03	1282789.75	46547	744035.13	874546.99	612924.01	975925	1857604.78	2314607.02	1895713.76
3	ARUNACHAL PRADESH	21	672.00	762.00	690.00	2496	22681.16	25743.62	18439.74	2517	23353.16	26505.62	19129.74
4	ASSAM	148388	199961.85	256392.74	193188.79	9084	249654.09	320343.17	128397.10	157472	449615.94	576735.91	321585.89
5	BIHAR	684180	4363986.58	5658679.13	4457230.84	9042	108406.12	141168.35	106551.15	693222	4472392.70	5799847.48	4563781.99
6	CHANDIGARH	30	1040.11	1771.94	1768.94	0	0.00	0.00	0.00	30	1040.11	1771.94	1768.94
7	CHHATISGARH	332369	712399.91	957680.69	782369.48	15987	92536.50	102543.37	72630.37	348356	804936.41	1060224.06	854999.85
8	GOA	3943	3134.12	3148.88	3017.42	2074	4301.67	4302.10	4078.59	6017	7435.79	7450.98	7096.01
9	GUJARAT	1340589	2571456.58	4028783.41	3506462.22	41255	45794.52	53723.87	47020.79	1381844	2617251.10	4082507.28	3553483.01
10	HARYANA	219316	960787.45	1850212.96	1815216.13	717	2355.49	4600.18	4598.18	220033	963142.94	1854813.14	1819814.31
11	HIMACHAL PRADESH	10634	37733.52	63399.08	56898.41	21228	81822.92	136053.38	118236.12	31862	119556.44	199452.46	175134.53
12	JAMMU & KASHMIR	10461	10830.05	20608.56	19529.96	2636	161277.53	212516.44	202192.74	13097	172107.58	233125.00	221722.70
13	JHARKHAND	161312	251820.07	280115.96	218560.71	86163	303991.74	331130.74	242515.35	247475	555811.81	611246.70	461076.06
14	KARNATAKA	1273203	2025570.84	2386501.63	2341514.49	126343	242035.36	288173.90	283700.22	1399546	2267606.20	2674675.53	2625214.71
15	KERALA	62200	33733.08	35189.10	34321.09	29681	136780.02	144584.22	139241.35	91881	170513.10	179773.32	173562.44
16	MADHYA PRADESH	2205878	6517953.94	7602921.12	7182689.94	51462	238120.29	254101.61	224607.15	2257340	6756074.23	7857022.73	7407297.09
17	MAHARASHTRA	3216008	6077460.92	6574289.06	6043937.18	337630	946276.29	1083422.03	917698.06	3553638	7023737.21	7657711.09	6961635.24
18	MANIPUR	0	0.00	0.00	0.00	741	18991.00	21410.00	18425.00	741	18991.00	21410.00	18425.00
19	MEGHALAYA	952	1359.10	2255.10	2033.50	4202	60727.14	70029.94	62872.20	5154	62086.24	72285.04	64905.70
20	MIZORAM	40	18.55	19.20	0.80	2362	14978.54	22578.89	11035.26	2402	14997.09	22598.09	11036.06
21	NAGALAND	30	189.00	214.00	121.00	17822	81271.00	83720.63	56390.29	17852	81460.00	83934.63	56511.29
22	ODISHA	377541	624497.72	878273.46	609168.78	89420	683284.33	880177.24	575220.21	466961	1307782.05	1758450.70	1184388.99
23	PUDUCHERRY	3671	4725.32	8212.48	8206.48	703	11737.46	14682.44	14587.68	4374	16462.78	22894.92	22794.16
24	PUNJAB	1173529	3309505.86	6556615.98	5962058.26	1641	7688.60	14385.95	14131.75	1175170	3317194.46	6571001.93	5976190.01
25	RAJASTHAN	1442740	6725511.86	7703954.34	6890832.06	14731	160480.72	169235.16	131687.46	1457471	6885992.58	7873189.50	7022519.52
26	SIKKIM	0	0.00	0.00	0.00	979	11739.85	15254.25	12558.73	979	11739.85	15254.25	12558.73

S.No.	State	Ground Water				Surface Water				Total			
		In Use (Nos)	CCA	IPC	IPU	In Use (Nos)	CCA	IPC	IPU	In Use (Nos)	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
27	TAMIL NADU	1897613	5248024.94	5715555.19	5210576.07	36619	439407.29	469201.36	361591.97	1934232	5687432.23	6184756.55	5572168.04
28	TELENGANA	1528780	1590122.84	2505811.87	2217298.78	92311	622612.89	905844.69	642973.09	1621091	2212735.73	3411656.56	2860271.87
29	TRIPURA	2181	8304.43	14803.76	12574.19	2378	59545.34	104208.56	85174.65	4559	67849.77	119012.32	97748.84
30	UTTAR PRADESH	3899100	17968186.22	22289818.81	17991788.32	30010	207912.45	261938.38	207325.79	3929110	18176098.67	22551757.19	18199114.11
31	UTTARAKHAND	51733	196756.42	342037.47	318191.55	27120	207865.58	325215.39	276925.58	78853	404622.00	667252.86	595117.13
32	WEST BENGAL	315933	1222232.42	2100634.53	1872455.59	37178	268215.50	418482.78	305973.23	353111	1490447.92	2519117.31	2178428.82
	Total	21294040	61783840.36	79281288.50	69036647.59	1143880	6240645.34	7758105.42	5902217.65	22437920	68024485.70	87039393.92	74938865.24

TABLE II (C): MINOR IRRIGATION SCHEMES TEMPORARILY NOT IN USE, CCA AND IRRIGATION POTENTIAL

S.No.	State	Ground Water				Surface Water				Total			
		Temp. not in Use (Nos)	CCA	IPC	IPU	Temp. not in Use (Nos)	CCA	IPC	IPU	Temp. not in Use (Nos)	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	131	94.17	95.77	35.54	106	100.36	110.50	18.68	237	194.53	206.27	54.22
2	ANDHRA PRADESH	154451	153916.92	193954.39	71997.30	10463	141173.95	186006.25	23788.78	164914	295090.87	379960.64	95786.08
3	ARUNACHAL PRADESH	16	410.00	503.50	136.00	539	5587.02	6736.24	2242.93	555	5997.02	7239.74	2378.93
4	ASSAM	1714	6004.43	6895.98	4416.81	414	30504.75	38406.30	9347.64	2128	36509.18	45302.28	13764.45
5	BIHAR	4797	29374.75	32231.05	27926.89	113	1346.06	2208.76	1171.80	4910	30720.81	34439.81	29098.69
6	CHANDIGARH	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
7	CHHATISGARH	904	1420.09	1821.46	589.97	182	686.21	769.01	296.60	1086	2106.30	2590.47	886.57
8	GOA	58	29.45	29.45	19.95	7	7.60	7.60	4.09	65	37.05	37.05	24.04
9	GUJARAT	10583	25789.18	40752.84	35450.88	3	3.00	3.75	3.07	10586	25792.18	40756.59	35453.95
10	HARYANA	142	2629.80	3065.60	3022.60	1	3.00	6.00	6.00	143	2632.80	3071.60	3028.60
11	HIMACHAL PRADESH	33	106.32	193.29	113.20	480	2234.68	3369.76	2361.14	513	2341.00	3563.05	2474.34
12	JAMMU & KASHMIR	8	7.55	12.05	6.60	2	1.00	1.00	0.00	10	8.55	13.05	6.60
13	JHARKHAND	1208	1267.56	1435.97	1069.29	2312	6420.30	6891.56	4364.72	3520	7687.86	8327.53	5434.01
14	KARNATAKA	1866	1768.83	2221.38	2150.23	1394	2767.69	3218.66	2037.64	3260	4536.52	5440.04	4187.87
15	KERALA	180	127.45	131.02	128.36	323	1267.16	1406.30	1308.55	503	1394.61	1537.32	1436.91
16	MADHYA PRADESH	13086	18733.98	22308.32	19566.82	713	1257.52	1295.70	932.45	13799	19991.50	23604.02	20499.27
17	MAHARASHTRA	14174	13167.93	14644.42	12711.49	1046	1712.45	1781.25	1425.29	15220	14880.38	16425.67	14136.78
18	MANIPUR	0	0.00	0.00	0.00	47	27.00	27.00	25.00	47	27.00	27.00	25.00
19	MEGHALAYA	2	40.00	67.00	0.00	165	3112.21	4305.83	869.66	167	3152.21	4372.83	869.66
20	MIZORAM	6	1.20	1.20	0.00	27	960.50	1858.30	555.70	33	961.70	1859.50	555.70
21	NAGALAND	3	24.00	26.00	4.00	1415	6739.16	6835.53	1002.97	1418	6763.16	6861.53	1006.97
22	ODISHA	20729	28468.91	38226.33	8044.63	3291	33356.89	47082.76	9161.65	24020	61825.80	85309.09	17206.28
23	PUDUCHERRY	33	34.86	68.16	68.16	0	0.00	0.00	0.00	33	34.86	68.16	68.16
24	PUNJAB	217	561.58	1124.37	1062.13	29	55.87	109.52	109.52	246	617.45	1233.89	1171.65

S.No.	State	Ground Water				Surface Water				Total			
		Temp. not in Use (Nos)	CCA	IPC	IPU	Temp. not in Use (Nos)	CCA	IPC	IPU	Temp. not in Use (Nos)	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
25	RAJASTHAN	18699	44303.80	50618.62	14834.09	1319	14157.97	18006.76	2878.06	20018	58461.77	68625.38	17712.15
26	SIKKIM	0	0.00	0.00	0.00	453	4557.45	5748.83	4453.35	453	4557.45	5748.83	4453.35
27	TAMIL NADU	120178	159384.03	164303.38	130813.32	5729	31933.73	32718.53	22124.65	125907	191317.76	197021.91	152937.97
28	TELENGANA	30435	22401.97	31691.43	20810.16	5363	28610.97	38643.27	7401.26	35798	51012.94	70334.70	28211.42
29	TRIPURA	396	802.80	1261.00	1020.05	116	3210.80	4405.70	1267.65	512	4013.60	5666.70	2287.70
30	UTTARAKHAND	38	146.47	230.89	215.74	7830	31608.48	46011.14	31669.33	7868	31754.95	46242.03	31885.07
31	UTTAR PRADESH	36305	146136.24	167356.32	139362.27	835	1886.83	2284.39	1935.71	37140	148023.07	169640.71	141297.98
32	WEST BENGAL	9408	41395.66	69327.17	60483.83	1057	10118.16	16166.07	10163.08	10465	51513.82	85493.24	70646.91
	Total	439800	698549.93	844598.36	556060.31	45774	365408.77	476422.27	142926.97	485574	1063958.70	1321020.63	698987.28

TABLE II (D): MINOR IRRIGATION SCHEMES PERMANENTLY NOT IN USE, CCA AND IRRIGATION POTENTIAL LOST

S.No.	State	Ground Water			Surface Water			Total		
		Permanently Not in Use (Nos)	CCA	IPC lost	Permanently Not in Use (Nos)	CCA	IPC lost	Permanently Not in Use (Nos)	CCA	IPC lost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	51	14.40	14.90	73	48.90	55.60	124	63.30	70.50
2	ANDHRA PRADESH	48940	45709.75	57455.77	1185	20176.06	24219.19	50125	65885.81	81674.96
3	ARUNACHAL PRADESH	13	414.00	514.00	341	5543.00	6794.35	354	5957.00	7308.35
4	ASSAM	2074	5968.13	6320.44	155	22289.65	28414.71	2229	28257.78	34735.15
5	BIHAR	2254	5789.17	5960.32	249	6147.84	9155.84	2503	11937.01	15116.16
6	CHANDIGARH	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
7	CHHATISGARH	314	357.04	437.72	166	509.43	534.04	480	866.47	971.76
8	GOA	30	1.81	1.81	21	120.30	120.30	51	122.11	122.11
9	GUJARAT	3655	8672.51	13916.87	0	0.00	0.00	3655	8672.51	13916.87
10	HARYANA	7	16.00	28.00	17	37.20	72.40	24	53.20	100.40
11	HIMACHAL PRADESH	24	20.59	41.18	278	839.92	1182.97	302	860.51	1224.15
12	JAMMU & KASHMIR	1	1.00	1.00	4	6.00	6.00	5	7.00	7.00
13	JHARKHAND	897	211.66	262.95	771	1711.11	1823.25	1668	1922.77	2086.20
14	KARNATAKA	2183	1153.34	1481.38	226	220.84	275.09	2409	1374.18	1756.47
15	KERALA	73	22.84	25.79	117	272.99	274.12	190	295.83	299.91
16	MADHYA PRADESH	13679	13294.48	15802.03	475	101.47	122.32	14154	13395.95	15924.35
17	MAHARASHTRA	3783	3792.32	4515.94	223	437.82	478.82	4006	4230.14	4994.76
18	MANIPUR	0	0.00	0.00	183	0.00	0.00	183	0.00	0.00
19	MEGHALAYA	3	0.00	0.00	129	1667.14	1702.00	132	1667.14	1702.00
20	MIZORAM	15	0.00	0.00	30	1156.50	2229.50	45	1156.50	2229.50
21	NAGALAND	2	4.00	4.00	183	606.91	618.21	185	610.91	622.21
22	ODISHA	17711	15384.34	19734.98	1889	15784.43	20749.67	19600	31168.77	40484.65
23	PUDUCHERRY	127	26.09	46.16	2	42.50	83.50	129	68.59	129.66
24	PUNJAB	11	7.26	14.52	62	70.62	141.24	73	77.88	155.76
25	RAJASTHAN	13485	21249.29	22706.94	99	2674.59	2701.09	13584	23923.88	25408.03

S.No.	State	Ground Water			Surface Water			Total		
		Permanently Not in Use (Nos)	CCA	IPC lost	Permanently Not in Use (Nos)	CCA	IPC lost	Permanently Not in Use (Nos)	CCA	IPC lost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
26	SIKKIM	0	0.00	0.00	134	1380.86	1733.40	134	1380.86	1733.40
27	TAMIL NADU	53027	77232.64	78143.39	1743	3237.50	3255.78	54770	80470.14	81399.17
28	TELENGANA	20034	11022.84	15528.88	2945	6301.58	8813.04	22979	17324.42	24341.92
29	TRIPURA	170	380.30	54.00	32	898.82	1304.30	202	1279.12	1958.30
30	UTTARAKHAND	220	470.89	572.10	3523	11005.80	15464.07	3743	11476.69	16036.17
31	UTTAR PERDESH	8697	7476.36	9606.85	1370	1235.70	1335.85	10067	8712.06	10942.70
32	WEST BENGAL	6604	36112.57	74051.82	761	11317.54	19451.66	7365	47430.11	93503.48
	Total	198084	254805.62	327843.74	17386	115843.02	153112.31	215470	370648.64	480956.05

TABLE III (A): NUMBER OF MINOR IRRIGATION SCHEMES BY COST OF SCHEME - GROUND WATER

S.No.	State	No. of Ground Water schemes having cost						
		<Rs. 10000	Rs. 10000 to 50000	Rs. 50000 to 1 Lakhs	Rs. 1 Lakh to 5 Lakhs	Rs. 5 lakh to 10 lakhs	>=Rs. 10 Lakhs	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	555	585	717	611	0	1	2469
2	ANDHRA PRADESH	57279	638791	316127	117258	3210	104	1132769
3	ARUNACHAL PRADESH	0	0	7	42	1	0	50
4	ASSAM	74812	75263	1331	534	139	97	152176
5	BIHAR	107304	507464	69061	7322	64	16	691231
6	CHANDIGARH	0	0	1	3	10	16	30
7	CHHATISGARH	13132	210437	101644	8061	280	33	333587
8	GOA	742	1245	1022	1019	3	0	4031
9	GUJARAT	651	459008	707915	187003	244	6	1354827
10	HARYANA	6703	72790	21967	115676	2271	58	219465
11	HIMACHAL PRADESH	274	3916	2264	3805	224	208	10691
12	JAMMU & KASHMIR	276	8362	1736	93	3	0	10470
13	JHARKHAND	7265	26103	34390	95394	138	127	163417
14	KARNATAKA	62656	351048	553213	307823	2225	287	1277252
15	KERALA	10684	34187	13920	3639	15	8	62453
16	MADHYA PRADESH	1799668	257659	95206	80005	77	28	2232643
17	MAHARASHTRA	140912	1017095	1963549	106403	5396	610	3233965
18	MEGHALAYA	145	808	3	1	0	0	957
19	MIZORAM	22	27	3	9	0	0	61
20	NAGALAND	2	33	0	0	0	0	35
21	ODISHA	44299	269553	74546	27277	184	122	415981
22	PUDUCHERRY	52	615	1822	1341	1	0	3831
23	PUNJAB	62361	376205	628532	104823	1719	117	1173757
24	RAJASTHAN	31657	351271	611384	458496	18232	3884	1474924
25	TAMIL NADU	108368	609057	832043	517539	3364	447	2070818

S.No.	State	No. of Ground Water schemes having cost						
		<Rs. 10000	Rs. 10000 to 50000	Rs. 50000 to 1 Lakhs	Rs. 1 Lakh to 5 Lakhs	Rs. 5 lakh to 10 lakhs	>=Rs. 10 Lakhs	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
26	TELENGANA	17119	1011164	450882	99704	369	11	1579249
27	TRIPURA	3	318	756	1417	27	226	2747
28	UTTARAKHAND	1257	42887	5602	1852	216	177	51991
29	UTTAR PRADESH	558310	2847359	419448	116564	2010	411	3944102
30	WEST BENGAL	0	232441	57113	37268	0	5123	331945
	Total	3106508	9405691	6966204	2400982	40422	12117	21931924

TABLE III(B): NUMBER OF MINOR IRRIGATION SCHEMES BY COST OF SCHEME - SURFACE WATER

S.No.	State	No. of Surface Water Schemes having Cost						
		<Rs. 10000	Rs. 10000 to 50000	Rs. 50000 to 1 Lakhs	Rs. 1 Lakh to 5 Lakhs	Rs. 5 lakh to 10 lakhs	>=Rs. 10 Lakhs	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	320	1033	889	1247	7	1	3497
2	ANDHRA PRADESH	18545	19196	7588	10105	1530	1231	58195
3	ARUNACHAL PRADESH	2	12	18	1643	1318	383	3376
4	ASSAM	5233	2742	264	446	187	781	9653
5	BIHAR	3797	2114	1121	2197	164	11	9404
6	CHHATISGARH	9778	4137	1450	747	146	77	16335
7	GOA	1237	490	191	175	9	0	2102
8	GUJARAT	17245	326	1180	17700	3793	1014	41258
9	HARYANA	299	279	27	127	1	2	735
10	HIMACHAL PRADESH	5385	5697	5114	5370	340	80	21986
11	JAMMU & KASHMIR	1572	486	266	251	45	22	2642
12	JHARKHAND	5595	12350	12638	50199	6503	1961	89246
13	KARNATAKA	31485	25136	32981	37181	818	362	127963
14	KERALA	11825	9847	4030	3681	501	237	30121
15	MADHYA PRADESH	11690	11124	8199	15840	2372	3425	52650
16	MAHARASHTRA	44971	99300	178217	13064	2122	1225	338899
17	MANIPUR	223	1	3	39	82	623	971
18	MEGHALAYA	943	834	616	1305	549	249	4496
19	MIZORAM	677	1233	145	95	42	227	2419
20	NAGALAND	1045	7791	3470	4723	1727	664	19420
21	ODISHA	42170	17392	11908	17691	4092	1347	94600
22	PUDUCHERRY	389	90	96	129	1	0	705
23	PUNJAB	563	856	177	98	37	1	1732
24	RAJASTHAN	5009	2412	5768	2606	185	169	16149
25	SIKKIM	161	69	132	865	90	249	1566
26	TAMIL NADU	19282	7389	8373	7732	877	438	44091
27	TELENGANA	31831	39300	13968	13239	2021	260	100619

S.No.	State	No. of Surface Water Schemes having Cost						
		<Rs. 10000	Rs. 10000 to 50000	Rs. 50000 to 1 Lakhs	Rs. 1 Lakh to 5 Lakhs	Rs. 5 lakh to 10 lakhs	>=Rs. 10 Lakhs	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
28	TRIPURA	301	409	147	280	235	1154	2526
29	UTTARAKHAND	1038	2842	3799	22576	6084	2134	38473
30	UTTAR PRADESH	15230	10608	2414	3799	111	53	32215
31	WEST BENGAL	2921	3003	391	29720	2514	447	38996
	Total	290762	288498	305580	264870	38503	18827	1207040

TABLE III (C): NUMBER OF MINOR IRRIGATION SCHEMES BY COST OF SCHEME

S.No.	State	Total No. of Minor Irrigation Schemes having Cost						
		<Rs. 10000	Rs. 10000 to 50000	Rs. 50000 to 1 Lakhs	Rs. 1 Lakh to 5 Lakhs	Rs. 5 lakh to 10 lakhs	>=Rs. 10 Lakhs	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	875	1618	1606	1858	7	2	5966
2	ANDHRA PRADESH	75824	657987	323715	127363	4740	1335	1190964
3	ARUNACHAL PRADESH	2	12	25	1685	1319	383	3426
4	ASSAM	80045	78005	1595	980	326	878	161829
5	BIHAR	111101	509578	70182	9519	228	27	700635
6	CHANDIGARH	0	0	1	3	10	16	30
7	CHHATISGARH	22910	214574	103094	8808	426	110	349922
8	GOA	1979	1735	1213	1194	12	0	6133
9	GUJARAT	17896	459334	709095	204703	4037	1020	1396085
10	HARYANA	7002	73069	21994	115803	2272	60	220200
11	HIMACHAL PRADESH	5659	9613	7378	9175	564	288	32677
12	JAMMU & KASHMIR	1848	8848	2002	344	48	22	13112
13	JHARKHAND	12860	38453	47028	145593	6641	2088	252663
14	KARNATAKA	94141	376184	586194	345004	3043	649	1405215
15	KERALA	22509	44034	17950	7320	516	245	92574
16	MADHYA PRADESH	1811358	268783	103405	95845	2449	3453	2285293
17	MAHARASHTRA	185883	1116395	2141766	119467	7518	1835	3572864
18	MANIPUR	223	1	3	39	82	623	971
19	MEGHALAYA	1088	1642	619	1306	549	249	5453
20	MIZORAM	699	1260	148	104	42	227	2480
21	NAGALAND	1047	7824	3470	4723	1727	664	19455
22	ODISHA	86469	286945	86454	44968	4276	1469	510581
23	PUDUCHERRY	441	705	1918	1470	2	0	4536

S.No.	State	Total No. of Minor Irrigation Schemes having Cost						
		<Rs. 10000	Rs. 10000 to 50000	Rs. 50000 to 1 Lakhs	Rs. 1 Lakh to 5 Lakhs	Rs. 5 lakh to 10 lakhs	>=Rs. 10 Lakhs	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	PUNJAB	62924	377061	628709	104921	1756	118	1175489
25	RAJASTHAN	36666	353683	617152	461102	18417	4053	1491073
26	SIKKIM	161	69	132	865	90	249	1566
27	TAMIL NADU	127650	616446	840416	525271	4241	885	2114909
28	TELENGANA	48950	1050464	464850	112943	2390	271	1679868
29	TRIPURA	304	727	903	1697	262	1380	5273
30	UTTARAKHAND	2295	45729	9401	24428	6300	2311	90464
31	UTTAR PRADESH	573540	2857967	421862	120363	2121	464	3976317
32	WEST BENGAL	2921	235444	57504	66988	2514	5570	370941
	Total	3397270	9694189	7271784	2665852	78925	30944	23138964

Table IV: SEASON WISE AREA IRRIGATED BY MINOR IRRIGATION SCHEMES (IN USE AND TEMPORARILY NOT IN USE)

(Area in ha.)

S.No.	State	Area Irrigated by Ground Water Scheme					Area Irrigated by Surface Water Schemes					Area Irrigated by all Minor Irrigation Schemes				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif	Rabi	Perennial	Others	Total (13 to 16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	338.27	472.40	314.29	67.44	1192.40	480.00	1047.84	854.81	149.87	2532.52	818.27	1520.24	1169.10	217.31	3724.92
2	ANDHRA PRADESH	637152.64	496814.63	207130.31	13689.47	1354787.05	424435.83	194656.76	15335.80	2284.40	636712.79	1061588.47	691471.39	222466.11	15973.87	1991499.84
3	ARUNACHAL PRADESH	547.00	211.00	23.00	45.00	826.00	15471.59	3675.59	779.78	755.71	20682.67	16018.59	3886.59	802.78	800.71	21508.67
4	ASSAM	119582.71	71465.57	482.45	6074.87	197605.60	92371.57	44408.69	382.65	581.83	137744.74	211954.28	115874.26	865.10	6656.70	335350.34
5	BIHAR	2113018.59	1742125.82	296362.19	333651.13	4485157.73	70167.63	29437.90	3778.33	4339.09	107722.95	2183186.22	1771563.72	300140.52	337990.22	4592880.68
6	CHANDIGARH	884.47	884.47	0.00	0.00	1768.94	0.00	0.00	0.00	0.00	0.00	884.47	884.47	0.00	0.00	1768.94
7	CHHATISGARH	423624.67	358326.34	808.26	200.18	782959.45	48058.89	24851.35	15.29	1.44	72926.97	471683.56	383177.69	823.55	201.62	855886.42
8	GOA	18.06	455.67	2444.42	119.22	3037.37	40.27	1267.60	2682.43	92.38	4082.68	58.33	1723.27	5126.85	211.60	7120.05
9	GUJARAT	1560484.91	1564941.29	402636.57	13850.33	3541913.10	23957.38	23065.33	0.95	0.20	47023.86	1584442.29	1588006.62	402637.52	13850.53	3588936.96
10	HARYANA	900626.48	906367.86	9933.70	1310.69	1818238.73	2308.09	2296.09	0.00	0.00	4604.18	902934.57	908663.95	9933.70	1310.69	1822842.91
11	HIMACHAL PRADESH	25865.24	30660.24	273.28	212.85	57011.61	63888.08	56590.76	50.69	67.73	120597.26	89753.32	87251.00	323.97	280.58	177608.87
12	JAMMU & KASHMIR	10211.35	9317.21	3.10	4.90	19536.56	147029.00	54722.87	87.87	353.00	202192.74	157240.35	64040.08	90.97	357.90	221729.30
13	JHARKHAND	137046.18	67940.47	7689.42	6953.93	219630.00	155156.84	74825.24	9246.97	7651.02	246880.07	292203.02	142765.71	16936.39	14604.95	466510.07
14	KARNATAKA	1640826.59	402879.29	112696.57	187262.27	2343664.72	190128.15	49524.00	24181.45	21904.26	285737.86	1830954.74	452403.29	136878.02	209166.53	2629402.58
15	KERALA	3937.99	5475.28	21545.92	3490.26	34449.45	38462.22	40569.94	45004.02	16513.72	140549.90	42400.21	46045.22	66549.94	20003.98	174999.35
16	MADHYA PRADESH	1272536.34	5705727.43	89670.61	134322.38	7202256.76	26940.76	194039.88	2463.04	2095.92	225539.60	1299477.10	5899767.31	92133.65	136418.30	7427796.36
17	MAHARASHTRA	3032878.57	2410189.73	575992.18	37588.19	6056648.67	419932.10	388661.47	75879.96	34649.82	919123.35	3452810.67	2798851.20	651872.14	72238.01	6975772.02
18	MANIPUR	0.00	0.00	0.00	0.00	0.00	16555.00	1869.00	16.00	10.00	18450.00	16555.00	1869.00	16.00	10.00	18450.00
19	MEGHALAYA	659.60	1065.50	0.00	308.40	2033.50	44996.03	10522.99	6661.85	1560.99	63741.86	45655.63	11588.49	6661.85	1869.39	65775.36
20	MIZORAM	0.50	0.30	0.00	0.00	0.80	8229.59	2596.08	18.70	746.59	11590.96	8230.09	2596.38	18.70	746.59	11591.76
21	NAGALAND	86.00	32.00	5.00	2.00	125.00	48861.18	7881.08	372.00	279.00	57393.26	48947.18	7913.08	377.00	281.00	57518.26
22	ODISHA	363147.40	252362.49	1322.13	381.39	617213.41	412401.25	169685.01	1893.60	402.00	584381.86	775548.65	422047.50	3215.73	783.39	1201595.27
23	PUDUCHERRY	3705.41	3529.55	350.06	689.62	8274.64	2996.55	11591.13	0.00	0.00	14587.68	6701.96	15120.68	350.06	689.62	22862.32
24	PUNJAB	3001406.83	2917083.45	31852.35	12777.76	5963120.39	6681.23	6727.22	797.82	35.00	14241.27	3008088.06	2923810.67	32650.17	12812.76	5977361.66
25	RAJASTHAN	1197920.62	5576104.59	16418.74	115222.20	6905666.15	3504.62	130657.94	151.78	251.18	134565.52	1201425.24	5706762.53	16570.52	115473.38	7040231.67
26	SIKKIM	0.00	0.00	0.00	0.00	0.00	9209.95	3700.81	1419.80	2681.52	17012.08	9209.95	3700.81	1419.80	2681.52	17012.08
27	TAMIL NADU	2787512.26	1492244.02	798408.08	263225.03	5341389.39	149147.75	197959.90	22665.25	13943.72	383716.62	2936660.01	1690203.92	821073.33	277168.75	5725106.01
28	TELENGANA	1266961.81	951971.85	13778.65	5200.17	2237912.48	395146.38	253325.31	793.45	1109.21	650374.35	1662108.19	1205297.16	14572.10	6309.38	2888286.83
29	TRIPURA	6562.58	6226.46	18.00	787.20	13594.24	41603.82	36770.51	154.00	7913.97	86442.30	48166.40	42996.97	172.00	8701.17	100036.54
30	UTTARAKHAND	144955.47	147506.05	14985.99	10959.78	318407.29	146412.89	135716.68	8162.55	18302.79	308594.91	291368.36	283222.73	23148.54	29262.57	627002.20
31	UTTAR PRADESH	6219399.43	6561233.84	2707304.78	2643212.54	18131150.59	69277.60	109906.49	17123.38	12954.03	209261.50	6288677.03	6671140.33	2724428.16	2656166.57	18340412.09
32	WEST BENGAL	767121.51	556268.34	77585.44	531964.13	1932939.42	175813.46	81857.62	14659.03	43806.20	316136.31	942934.97	638125.96	92244.47	575770.33	2249075.73
	Total	27639019.48	32239883.14	5390035.49	4323573.33	69592511.44	3249665.70	2344409.08	255633.25	195436.59	6045144.62	30888685.18	34584292.22	5645668.74	4519009.92	75637656.06

Table V: SEASON WISE AREA IRRIGATED AS SUPPLEMENTARY SOURCE BY MINOR IRRIGATION SCHEMES

(Area in ha.)

S.No.	State	Area Irrigated by Ground Water Scheme					Area Irrigated by Surface Water Schemes					Area Irrigated by all Minor Irrigation Schemes				
		Kharif	Rabi	Perennial	Other	Total (3 to 6)	Kharif	Rabi	Perennial	others	Total (8 to 11)	Kharif	Rabi	Perennial	Others	Total (13 to 16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	0.40	0.30	1.10	0.20	2.00	0.40	0.30	1.10	0.20	2.00
2	ANDHRA PRADESH	100855.80	94411.65	16544.75	889.48	212701.68	81591.02	44382.37	1813.05	128.09	127914.53	182446.82	138794.02	18357.80	1017.57	340616.21
3	ARUNACHAL PRADESH	38.00	10.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00	38.00	10.00	0.00	0.00	48.00
4	ASSAM	1384.89	600.99	1.60	89.70	2077.18	5616.41	2808.20	2.30	344.30	8771.21	7001.30	3409.19	3.90	434.00	10848.39
5	BIHAR	19810.08	16270.33	3334.89	3313.41	42728.71	4461.83	3572.67	252.87	370.60	8657.97	24271.91	19843.00	3587.76	3684.01	51386.68
6	CHANDIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	CHHATISGARH	17456.60	15714.27	27.73	36.45	33235.05	2673.97	489.38	0.00	0.00	3163.35	20130.57	16203.65	27.73	36.45	36398.40
8	GOA	0.00	24.54	78.36	2.83	105.73	0.00	56.67	136.41	0.70	193.78	0.00	81.21	214.77	3.53	299.51
9	GUJARAT	173062.25	173567.68	53525.56	4298.87	404454.36	1.00	0.75	0.00	0.00	1.75	173063.25	173568.43	53525.56	4298.87	404456.11
10	HARYANA	90973.75	88741.00	0.30	273.37	179988.42	26.00	23.00	0.00	0.00	49.00	90999.75	88764.00	0.30	273.37	180037.42
11	HIMACHAL PRADESH	208.87	219.25	5.00	3.00	436.12	95.34	86.87	2.20	0.00	184.41	304.21	306.12	7.20	3.00	620.53
12	JAMMU & KASHMIR	1.00	1.00	0.00	0.00	2.00	573.15	239.48	10.87	0.00	823.50	574.15	240.48	10.87	0.00	825.50
13	JHARKHAND	145.08	85.09	15.80	13.06	259.03	474.02	361.95	105.28	65.22	1006.47	619.10	447.04	121.08	78.28	1265.50
14	KARNATAKA	18847.10	9689.20	1728.02	7299.95	37564.27	7051.21	3654.44	1286.65	1987.54	13979.84	25898.31	13343.64	3014.67	9287.49	51544.11
15	KERALA	729.67	1060.61	1106.36	113.71	3010.35	2358.33	3133.11	3008.97	463.86	8964.27	3088.00	4193.72	4115.33	577.57	11974.62
16	MADHYA PRADESH	472164.80	1486880.56	30389.79	49949.57	2039384.72	2238.66	17190.89	566.81	685.02	20681.38	474403.46	1504071.45	30956.60	50634.59	2060066.10
17	MAHARASHTRA	156936.43	125574.45	66315.48	1850.22	350676.58	92334.73	104143.02	14222.01	15.69	210715.45	249271.16	229717.47	80537.49	1865.91	561392.03
18	MANIPUR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.53	0.53	0.00	0.00	0.00	0.53
20	MIZORAM	0.00	0.00	0.00	0.00	0.00	145.00	0.00	0.00	0.00	145.00	145.00	0.00	0.00	0.00	145.00
21	NAGALAND	0.00	0.00	0.00	0.00	0.00	630.28	113.30	0.00	0.00	743.58	630.28	113.30	0.00	0.00	743.58
22	ODISHA	106862.01	74017.22	133.43	46.78	181059.44	39206.75	22470.30	85.19	149.37	61911.61	146068.76	96487.52	218.62	196.15	242971.05
23	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	0.00	52.00	0.00	0.00	52.00	0.00	52.00	0.00	0.00	52.00
24	PUNJAB	254462.77	218702.16	211.09	138.88	473514.90	262.57	262.57	29.00	0.00	554.14	254725.34	218964.73	240.09	138.88	474069.04
25	RAJASTHAN	59882.85	212591.62	204.01	1045.44	273723.92	1191.78	21211.54	2.26	3.00	22408.58	61074.63	233803.16	206.27	1048.44	296132.50
26	SIKKIM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	TAMIL NADU	114649.84	55918.26	48016.93	6814.34	225399.37	10707.27	11028.15	2148.46	1586.02	25469.90	125357.11	66946.41	50165.39	8400.36	250869.27
28	TELENGANA	158525.85	131731.26	1128.08	2.81	291388.00	84706.87	63986.41	209.90	43.94	148947.12	243232.72	195717.67	1337.98	46.75	440335.12
29	TRIPURA	0.00	0.00	0.00	0.00	0.00	2369.00	2096.00	0.00	591.00	5056.00	2369.00	2096.00	0.00	591.00	5056.00
30	UTTARAKHAND	10.00	10.00	0.00	5.29	25.29	8160.87	6866.94	3.10	169.50	15200.41	8170.87	6876.94	3.10	174.79	15225.70
31	UTTAR PRADESH	56444.44	65324.21	12172.96	19414.66	153356.27	18489.44	21405.75	1653.68	1551.78	43100.65	74933.88	86729.96	13826.64	20966.44	196456.92
32	WEST BENGAL	9566.30	4953.79	198.77	9817.35	24536.21	8504.78	2456.88	260.58	1478.56	12700.80	18071.08	7410.67	459.35	11295.91	37237.01
	Total	1813018.38	2776099.14	235138.91	105419.17	4929675.60	373871.21	332092.94	25800.69	9634.39	741399.23	2186889.59	3108192.08	260939.60	115053.56	5671074.83

TABLE VI (A): MINOR IRRIGATION SCHEMES (IN USE AND TEMPORARILY NOT IN USE) ACCORDING TO WATER LIFTING DEVICES-GROUND WATER

(In Number)

S.No.	State	Ground Water Schemes					
		Submersible Pump	Centrifugal Pump	Turbine/ Jet Pump	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	28	972	8	1406	4	2418
2	ANDHRA PRADESH	867672	183267	15088	2954	14848	1083829
3	ARUNACHAL PRADESH	15	22	0	0	0	37
4	ASSAM	24714	68103	56232	75	978	150102
5	BIHAR	121713	458146	35565	36074	37479	688977
6	CHANDIGARH	30	0	0	0	0	30
7	CHHATISGARH	310374	12185	4965	2888	2861	333273
8	GOA	1069	2374	23	454	81	4001
9	GUJARAT	1293932	48457	181	615	7987	1351172
10	HARYANA	183513	30617	1338	3	3987	219458
11	HIMACHAL PRADESH	7484	2824	55	19	285	10667
12	JAMMU & KASHMIR	7037	2997	26	6	403	10469
13	JHARKHAND	4892	99460	9295	23633	25240	162520
14	KARNATAKA	1202207	33491	4081	25224	10066	1275069
15	KERALA	15550	43490	1495	1438	407	62380
16	MADHYA PRADESH	1629106	396106	112040	4875	76837	2218964
17	MAHARASHTRA	1715338	1238591	43488	5707	227058	3230182
18	MEGHALAYA	0	68	0	149	737	954
19	MIZORAM	23	0	0	19	4	46
20	NAGALAND	7	24	0	2	0	33
21	ODISHA	117162	214407	9515	53834	3352	398270
22	PUDUCHERRY	3680	22	0	0	2	3704
23	PUNJAB	1066298	105518	388	6	1536	1173746
24	RAJASTHAN	932817	457946	29313	7899	33464	1461439
25	TAMIL NADU	1100638	840716	20774	18192	37471	2017791
26	TELENGANA	1281035	246115	22820	873	8372	1559215
27	TRIPURA	2515	50	4	0	8	2577
28	UTTARAKHAND	21958	29634	55	2	122	51771
29	UTTAR PRADESH	600645	3282601	12510	272	39377	3935405
30	WEST BENGAL	118852	181936	10740	932	12881	325341
	Total	12630304	7980139	389999	187551	545847	21733840

TABLE VI (B): MINOR IRRIGATION SCHEMES (IN USE AND TEMPORARILY NOT IN USE) ACCORDING TO WATER LIFTING DEVICES-SURFACE WATER

(In Number)

S.No.	State	Surface Water Schemes (Surface Lift Scheme only)					
		Submersible Pump	Centrifugal Pump	Turbine/ Jet Pump	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	30	2369	8	943	8	3358
2	ANDHRA PRADESH	2803	6573	451	96	462	10385
3	ARUNACHAL PRADESH	0	1	0 1	0	2	
4	ASSAM	434	1432	4992	244	372	7474
5	BIHAR	825	2712	75	714	331	4657
6	CHHATISGARH	3879	4681	1480	233	1688	11961
7	GOA	200	697	12	135	16	1060
8	GUJARAT	11	17130	0	0	0	17141
9	HARYANA	601	13	2	0	4	620
10	HIMACHAL PRADESH	124	129	15	11	12	291
11	JAMMU & KASHMIR	36	49	4	0	11	100
12	JHARKHAND	771	12748	975	1441	1212	17147
13	KARNATAKA	37967	10344	2151	630	1710	52802
14	KERALA	3007	15431	562	2209	579	21788
15	MADHYA PRADESH	15043	12052	3466	182	2215	32958
16	MAHARASHTRA	133261	97410	4968	592	2997	239228
17	MANIPUR	0	166	0	0	0	166
18	MEGHALAYA	0	1	1	0	1	3
19	NAGALAND	2	31	0	8	5	46
20	ODISHA	4923	50146	3710	3326	741	62846
21	PUNJAB	597	707	63	0	15	1382
22	RAJASTHAN	608	10903	89	323	1476	13399
23	TAMIL NADU	734	1288	73	1190	525	3810
24	TELENGANA	22411	14511	440	20	255	37637

(In Number)

S.No.	State	Surface Water Schemes (Surface Lift Scheme only)					
		Submersible Pump	Centrifugal Pump	Turbine/ Jet Pump	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TRIPURA	25	2106	4	1	3	2139
26	UTTARAKHAND	140	82	0	38	249	509
27	UTTAR PRADESH	1105	23922	243	73	1156	26499
28	WEST BENGAL	1184	16421	1128	788	1932	21453
	Total	230721	304055	24913	13197	17975	590861

TABLE VI (C): MINOR IRRIGATION SCHEMES (IN USE AND TEMPORARILY NOT IN USE) ACCORDING TO WATER LIFTING DEVICES - ALL SCHEMES

(In Number)

S.No.	State	All Schemes					
		Submersible Pump	Centrifugal Pump	Turbine/ Jet Pump	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	58	3341	16	2349	12	5776
2	ANDHRA PRADESH	870475	189840	15539	3050	15310	1094214
3	ARUNACHAL PRADESH	15	23	1	0	0	39
4	ASSAM	25148	69535	61224	319	1350	157576
5	BIHAR	122538	460858	35640	36788	37810	693634
6	CHANDIGARH	30	0	0	0	0	30
7	CHHATISGARH	314253	16866	6445	3121	4549	345234
8	GOA	1269	3071	35	589	97	5061
9	GUJARAT	1293943	65587	181	615	7987	1368313
10	HARYANA	184114	30630	1340	3	3991	220078
11	HIMACHAL PRADESH	7608	2953	70	30	297	10958
12	JAMMU & KASHMIR	7073	3046	30	6	414	10569
13	JHARKHAND	5663	112208	10270	25074	26452	179667
14	KARNATAKA	1240174	43835	6232	25854	11776	1327871
15	KERALA	18557	58921	2057	3647	986	84168
16	MADHYA PRADESH	1644149	408158	115506	5057	79052	2251922
17	MAHARASHTRA	1848599	1336001	48456	6299	230055	3469410
18	MANIPUR	0	166	0	0	0	166
19	MEGHALAYA	0	69	1	149	738	957
20	MIZORAM	23	0	0	19	4	46
21	NAGALAND	9	55	0	10	5	79
22	ODISHA	122085	264553	13225	57160	4093	461116

(In Number)

S.No.	State	All Schemes					
		Submersible Pump	Centrifugal Pump	Turbine/ Jet Pump	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	PUDUCHERRY	3680	22	0	0	2	3704
24	PUNJAB	1066895	106225	451	6	1551	1175128
25	RAJASTHAN	933425	468849	29402	8222	34940	1474838
26	SIKKIM	0	0	0	0	0	0
27	TAMIL NADU	1101372	842004	20847	19382	37996	2021601
28	TELENGANA	1303446	260626	23260	893	8627	1596852
29	TRIPURA	2540	2156	8	1	11	4716
30	UTTARAKHAND	22098	29716	55	40	371	52280
31	UTTAR PRADESH	601750	3306523	12753	345	40533	3961904
32	WEST BENGAL	120036	198357	11868	1720	14813	346794
	Total	12861025	8284194	414912	200748	563822	22324701

TABLE VII (A): MINOR IRRIGATION SCHEMES (IN USE AND TEMPORARILY NOT IN USE) ACCORDING TO SOURCE OF ENERGY - GROUND WATER

(In Number)

S.No.	State	Ground Water Schemes						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	946	61	1	0	1406	4	2418
2	ANDHRA PRADESH	995902	68970	202	7567	2954	8234	1083829
3	ARUNACHAL PRADESH	7	30	0	0	0	0	37
4	ASSAM	71656	78319	6	10	75	36	150102
5	BIHAR	116994	530466	1253	584	36074	3606	688977
6	CHANDIGARH	30	0	0	0	0	0	30
7	CHHATISGARH	323504	2211	125	3893	2888	652	333273
8	GOA	3339	182	2	2	454	22	4001
9	GUJARAT	1307472	1976	40611	12	615	486	1351172
10	HARYANA	206396	11948	70	159	3	882	219458
11	HIMACHAL PRADESH	10124	507	5	6	19	6	10667
12	JAMMU & KASHMIR	10365	93	1	1	6	3	10469
13	JHARKHAND	18009	107847	384	786	23633	11861	162520
14	KARNATAKA	1242691	3891	587	597	25224	2079	1275069
15	KERALA	58815	1668	37	17	1438	405	62380
16	MADHYA PRADESH	2133834	65192	369	1566	4875	13128	2218964
17	MAHARASHTRA	3141908	46170	4435	1580	5707	30382	3230182
18	MEGHALAYA	28	774	1	0	149	2	954
19	MIZORAM	25	1	0	1	19	0	46
20	NAGALAND	3	16	0	10	2	2	33
21	ODISHA	209852	128012	603	540	53834	5429	398270
22	PUDUCHERRY	3700	2	0	0	0	2	3704
23	PUNJAB	1135980	37210	184	175	6	191	1173746
24	RAJASTHAN	1154521	294012	763	2048	7899	2196	1461439

(In Number)

S.No.	State	Ground Water Schemes						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	TAMIL NADU	1906132	78409	2032	695	18192	12331	2017791
26	TELENGANA	1550929	6127	494	190	873	602	1559215
27	TRIPURA	2539	32	0	0	0	6	2577
28	UTTARAKHAND	25334	26325	8	3	2	99	51771
29	UTTAR PRADESH	775613	3156427	389	2166	272	538	3935405
30	WEST BENGAL	155577	165047	512	1112	932	2161	325341
	Total	16562225	4811925	53074	23720	187551	95345	21733840

TABLE VII (B): MINOR IRRIGATION SCHEMES (IN USE AND TEMPORARILY NOT IN USE) ACCORDING TO SOURCE OF ENERGY - SURFACE WATER

(In Number)

S.No.	State	Surface Water Schemes (Surface Lift Scheme only)						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	2178	230	0	1	943	6	3358
2	ANDHRA PRADESH	8815	1408	3	1	96	62	10385
3	ARUNACHAL PRADESH	0	2	0	0	0	0	2
4	ASSAM	5540	1686	0	0	244	4	7474
5	BIHAR	596	3149	82	11	714	105	4657
6	CHHATISGARH	6919	3916	184	325	233	384	11961
7	GOA	831	90	0	1	135	3	1060
8	GUJARAT	16	17125	0	0	0	0	17141
9	HARYANA	612	5	0	0	0	3	620
10	HIMACHAL PRADESH	249	16	0	7	11	8	291
11	JAMMU & KASHMIR	95	0	0	0	0	5	100
12	JHARKHAND	1423	13543	36	55	1441	649	17147
13	KARNATAKA	49426	1983	91	47	630	625	52802
14	KERALA	16396	2595	10	15	2209	563	21788
15	MADHYA PRADESH	28458	3322	11	11	182	974	32958
16	MAHARASHTRA	231631	5662	209	46	592	1088	239228
17	MANIPUR	7	159	0	0	0	0	166
18	MEGHALAYA	1	2	0	0	0	0	3
19	NAGALAND	3	30	0	0	8	5	46
20	ODISHA	16134	40411	174	132	3326	2669	62846
21	PUNJAB	607	748	12	0	0	15	1382
22	RAJASTHAN	923	12040	4	11	323	98	13399

(In Number)

S.No.	State	Surface Water Schemes (Surface Lift Scheme only)						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
23	TAMILNADU	1065	1124	26	9	1190	396	3810
24	TELENGANA	36282	1280	24	4	20	27	37637
25	TRIPURA	1526	610	0	0	1	2	2139
26	UTTARAKHAND	151	18	1	0	38	301	509
27	UTTAR PRADESH	1269	24782	32	17	73	326	26499
28	WEST BENGAL	3738	14200	89	77	788	2561	21453
	Total	414891	150136	988	770	13197	10879	590861

TABLE VII (C): MINOR IRRIGATION SCHEMES (IN USE AND TEMPORARILY NOT IN USE) ACCORDING TO SOURCE OF ENERGY - ALL SCHEMES

(In Number)

S.No.	State	All Schemes						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	3124	291	1	1	2349	10	5776
2	ANDHRA PRADESH	1004717	70378	205	7568	3050	8296	1094214
3	ARUNACHAL PRADESH	7	32	0	0	0	0	39
4	ASSAM	77196	80005	6	10	319	40	157576
5	BIHAR	117590	533615	1335	595	36788	3711	693634
6	CHANDIGARH	30	0	0	0	0	0	30
7	CHHATISGARH	330423	6127	309	4218	3121	1036	345234
8	GOA	4170	272	2	3	589	25	5061
9	GUJARAT	1307488	19101	40611	12	615	486	1368313
10	HARYANA	207008	11953	70	159	3	885	220078
11	HIMACHAL PRADESH	10373	523	5	13	30	14	10958
12	JAMMU & KASHMIR	10460	93	1	1	6	8	10569
13	JHARKHAND	19432	121390	420	841	25074	12510	179667
14	KARNATAKA	1292117	5874	678	644	25854	2704	1327871
15	KERALA	75211	4263	47	32	3647	968	84168
16	MADHYA PRADESH	2162292	68514	380	1577	5057	14102	2251922
17	MAHARASHTRA	3373539	51832	4644	1626	6299	31470	3469410
18	MANIPUR	7	159	0	0	0	0	166
19	MEGHALAYA	29	776	1	0	149	2	957
20	MIZORAM	25	1	0	1	19	0	46
21	NAGALAND	6	46	0	10	10	7	79
22	ODISHA	225986	168423	777	672	57160	8098	461116
23	PUDUCHERRY	3700	2	0	0	0	2	3704
24	PUNJAB	1136587	37958	196	175	6	206	1175128

(In Number)

S.No.	State	All Schemes						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
25	RAJASTHAN	1155444	306052	767	2059	8222	2294	1474838
26	SIKKIM	0	0	0	0	0	0	0
27	TAMIL NADU	1907197	79533	2058	704	19382	12727	2021601
28	TELENGANA	1587211	7407	518	194	893	629	1596852
29	TRIPURA	4065	642	0	0	1	8	4716
30	UTTARAKHAND	25485	26343	9	3	40	400	52280

MINOR IRRIGATION CENSUS (2017-18)

Table VIII (A): NUMBER OF SCHEMES TEMPORARILY NOT IN USE AND POTENTIAL PARTIALLY UTILISED/UN-UTILISED - GROUND WATER

(Area in Ha)

S. No.	State	Ground Water Schemes Temporarily not in use due to																											
		Non Availability of Adequate Power				Mechanical Break Down				Less discharge of Water				Non-Availability of Finance				Lack of Maintenance				Any Other Reasons				Total			
		No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	20	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	ANDAMAN & NICOBAR ISLANDS	0	0.00	0.00	0.00	2	1.10	1.10	0.50	66	53.80	54.00	26.11	0	0.00	0.00	0.00	47	24.67	24.87	6.41	16	14.60	15.80	2.52	131	94.17	95.77	35.54
2	ANDHRA PRADESH	2626	2620.74	3226.27	1205.26	4177	4471.03	5796.71	2558.34	136389	134560.43	168866.47	59795.18	4291	4219.09	5404.04	2310.47	575	623.07	852.31	601.04	6393	7422.56	9808.59	5527.01	154451	153916.92	193954.39	71997.30
3	ARUNACHAL PRADESH	2	25.00	36.00	7.00	7	177.00	224.00	71.00	1	28.00	28.00	24.00	2	30.00	35.50	12.00	3	105.00	110.00	17.00	1	45.00	70.00	5.00	16	410.00	503.50	136.00
4	ASSAM	51	292.10	320.60	205.90	778	2747.69	3106.50	1919.89	56	396.40	411.70	268.70	51	211.20	253.50	147.10	11	19.90	27.70	19.20	767	2337.14	2775.98	1856.02	1714	6004.43	6895.98	4416.81
5	BIHAR	234	1683.10	1790.23	1540.11	988	7270.93	7769.73	6663.69	1346	7469.08	8362.18	7461.25	127	803.41	892.51	739.39	281	2094.67	2256.84	1938.48	1821	10053.56	11159.56	9583.97	4797	29374.75	32231.05	27926.89
6	CHANDIGARH	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
7	CHHATISGARH	72	108.85	150.24	78.37	125	223.77	286.94	73.25	391	468.41	647.28	202.31	19	24.95	30.83	13.24	34	73.11	85.22	39.41	263	521.00	620.95	183.39	904	1420.09	1821.46	589.97
8	GOA	2	0.20	0.20	0.20	2	3.65	3.65	0.05	19	16.60	16.60	12.80	2	0.00	0.00	0.00	9	3.55	3.55	1.75	24	5.45	5.45	5.15	58	29.45	29.45	19.95
9	GUJARAT	2	6.02	11.00	9.74	10289	25190.09	39788.55	34676.27	4	14.26	20.38	16.55	2	5.00	8.00	3.50	215	442.60	742.62	644.63	71	131.21	182.29	100.19	10583	25789.18	40752.84	35450.88
10	HARYANA	72	344.80	666.60	650.60	3	41.00	62.00	35.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	1	3.00	4.00	4.00	66	2241.00	2333.00	2333.00	142	2629.80	3065.60	3022.60
11	HIMACHAL PRADESH	5	7.16	11.77	11.32	8	53.00	106.00	56.54	4	4.56	8.67	8.67	1	0.00	0.00	0.00	0	0.00	0.00	0.00	15	41.60	66.85	36.67	33	106.32	193.29	113.20
12	JAMMU & KASHMIR	1	0.50	0.50	0.50	3	3.00	5.10	2.95	1	0.25	0.25	0.25	1	0.80	1.30	0.70	2	3.00	4.90	2.20	0	0.00	0.00	0.00	8	7.55	12.05	6.60
13	JHARKHAND	52	106.97	113.40	86.82	253	228.07	246.97	200.12	529	464.44	519.32	394.39	97	128.01	172.01	163.30	92	86.42	99.76	63.09	185	253.65	284.51	161.57	1208	1267.56	1435.97	1069.29
14	KARNATAKA	143	314.58	335.44	327.14	175	198.64	245.57	237.39	1118	942.31	1234.18	1194.87	43	29.73	50.72	50.07	62	50.80	59.80	50.11	325	232.77	295.67	290.65	1866	1768.83	2221.38	2150.23
15	KERALA	8	3.30	3.30	3.30	23	18.50	18.50	17.82	32	21.56	21.60	21.18	7	11.05	11.05	10.12	37	52.73	52.73	52.37	73	20.31	23.84	23.57	180	127.45	131.02	128.36
16	MADHYA PRADESH	466	952.75	1117.82	1019.51	683	1275.62	1557.56	1305.91	7167	9721.66	11551.23	10208.05	407	747.12	902.20	805.72	184	303.05	348.49	306.74	4179	5733.78	6831.02	5920.89	13086	18733.98	22308.32	19566.82
17	MAHARASHTRA	2706	1432.65	1508.98	1274.99	982	580.11	625.54	512.94	6554	6613.30	7629.90	6455.38	1	0.25	0.50	0.40	39	11.77	15.22	11.83	3892	4529.85	4864.28	4455.95	14174	13167.93	14644.42	12711.49
18	MEGHALAYA	0	0.00	0.00	0.00	1	40.00	67.00	0.00	1	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	2	40.00	67.00	0.00
19	MIZORAM	0	0.00	0.00	0.00	2	0.00	0.00	0.00	1	1.20	1.20	0.00	0	0.00	0.00	0.00	1	0.00	0.00	0.00	2	0.00	0.00	0.00	6	1.20	1.20	0.00
20	NAGALAND	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	3	24.00	26.00	4.00	0	0.00	0.00	0.00	3	24.00	26.00	4.00
21	ODISHA	575	1890.38	2643.92	663.09	3551	9452.25	13505.19	2658.09	4142	4000.74	5135.67	1346.86	1174	961.58	1286.56	232.77	5861	5023.15	6302.36	1479.54	5426	7140.81	9352.63	1664.28	20729	28468.91	38226.33	8044.63
22	PUDUCHERRY	1	0.81	1.62	1.62	7	9.94	18.32	18.32	2	2.50	5.00	5.00	1	2.34	4.68	4.68	0	0.00	0.00	0.00	22	19.27	38.54	38.54	33	34.86	68.16	68.16
23	PUNJAB	203	527.16	1055.53	993.29	12	30.38	60.76	60.76	1	1.21	2.42	2.42	1	2.83	5.66	5.66	0	0.00	0.00	0.00	0	0.00	0.00	0.00	217	561.58	1124.37	1062.13

(Area in Ha)

S. No.	State	Ground Water Schemes Temporarily not in use due to																											
		Non Availability of Adequate Power				Mechanical Break Down				Less discharge of Water				Non-Availability of Finance				Lack of Maintenance				Any Other Reasons				Total			
		No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	20	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
24	RAJASTHAN	692	2214.72	2403.47	772.54	1327	2403.22	2793.59	963.57	12530	28803.10	32226.62	7208.52	659	2606.93	2680.24	2019.54	392	1173.21	1355.90	477.95	3099	7102.62	9158.80	3391.97	18699	44303.80	50618.62	14834.09
25	TAMIL NADU	5493	7329.16	7582.75	6369.53	7814	11606.45	12016.39	10240.85	89308	118151.82	120520.85	94998.75	1353	3957.97	4010.24	3778.01	3656	3823.39	4242.75	3338.37	12554	14515.24	15930.40	12087.81	120178	159384.03	164303.38	130813.32
26	TELENGANA	621	583.51	737.38	531.69	2141	1434.42	2082.74	1661.63	26193	19167.03	27002.84	17621.72	252	207.69	273.26	195.28	295	204.87	303.16	257.33	933	804.45	1292.05	542.51	30435	22401.97	31691.43	20810.16
27	TRIPURA	54	110.50	193.60	120.50	211	424.20	623.40	539.10	5	37.00	42.40	12.00	14	38.30	48.60	28.60	41	45.50	87.00	83.95	71	147.30	266.00	235.90	396	802.80	1261.00	1020.05
28	UTTARAKHAND	1	2.50	4.70	4.30	0	0.00	0.00	0.00	1	3.00	3.50	3.00	0	0.00	0.00	0.00	1	1.07	2.14	2.14	35	139.90	220.55	206.30	38	146.47	230.89	215.74
29	UTTAR PRADESH	210	1389.09	1692.05	1409.66	993	4171.51	4793.89	3929.37	329	908.64	1077.71	823.95	96	314.10	356.95	294.50	75	391.30	558.50	445.30	34602	138961.60	158877.22	132459.49	36305	146136.24	167356.32	139362.27
30	WEST BENGAL	1327	6654.58	10826.51	9334.12	1615	7938.25	13065.71	11267.41	1146	5528.39	9481.21	8437.43	557	2974.05	5058.11	4340.87	360	1559.22	2567.50	2231.55	4403	16741.17	28328.13	24872.45	9408	41395.66	69327.17	60483.83
	Total	15619	28601.13	36433.88	26621.10	36172	79993.82	108873.81	79670.76	287336	337379.69	394871.18	216549.34	9158	17276.40	21486.46	15155.92	12277	16143.05	20133.32	12078.39	79238	219155.84	262802.11	205984.80	439800	698549.93	844598.36	556060.31

MINOR IRRIGATION CENSUS(2017-18)
Table VIII (B): NUMBER OF SCHEMES TEMPORARILY NOT IN USE AND POTENTIAL PARTIALLY UTILISED / UN-UTILISED - SURFACE WATER

(Area in Ha)

S No.	State	Surface Water Schemes Temporarily not in use due to																																	
		Non Availability of Adequate Power				Mechanical Break Down				Less discharge of water				Non-Availability of Finance				Storage Not filled up fully				Siltation of Canal / Storage				Channel break down				Any Other Reasons				Total			
		No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	32)	(33)	(34)	(35)	(36)	(37)	(38)
1	ANDAMAN & NICOBAR ISLANDS	0	0.00	0.00	0.00	12	8.40	8.40	1.44	32	26.40	30.70	6.39	0	0.00	0.00	0.00	4	2.60	2.90	1.50	25	27.66	29.30	0.77	2	1.60	1.80	0.00	31	33.70	37.40	8.58	106	100.36	110.50	18.68
2	ANDHRA PRADESH	74	1423.64	1588.70	1110.60	171	2434.31	3138.32	582.13	4475	60877.66	79793.29	11804.61	168	610.37	846.71	145.93	299	3219.64	3828.90	815.83	13	58.32	63.85	31.30	2	21.05	21.05	0.00	5261	72528.96	96725.43	9298.38	10463	141173.95	186006.25	23788.78
3	ARUNACHAL PRADESH	1	30.00	45.00	35.00	3	45.00	62.00	44.00	14	81.00	96.00	49.80	25	183.00	272.00	136.00	13	205.00	212.00	84.50	139	1014.12	1226.48	462.58	244	2692.96	3360.35	928.30	100	1335.94	1462.41	502.75	539	5587.02	6736.24	2242.93
4	ASSAM	9	1293.40	1494.40	474.10	188	10497.38	13113.09	2472.46	11	630.02	926.02	115.12	5	352.45	475.95	73.85	2	43.00	52.00	16.00	4	112.50	140.50	64.50	30	1078.00	1231.00	272.00	165	16498.00	20973.34	5859.61	414	30504.75	38406.30	9347.64
5	BIHAR	19	291.92	464.92	260.92	59	813.98	1390.98	704.68	13	29.16	29.86	25.45	6	104.00	191.00	90.00	7	12.00	12.00	12.00	1	0.00	0.00	0.00	0	0.00	0.00	0.00	8	95.00	120.00	78.75	113	1346.06	2208.76	1171.80
6	CHHATISGARH	27	58.92	65.11	39.08	25	106.71	109.96	45.28	46	109.76	123.31	93.91	2	2.00	2.00	2.00	13	99.08	99.08	34.31	1	0.00	0.00	0.00	0	0.00	0.00	0.00	68	309.74	36955	82.02	182	686.21	769.01	296.60
7	GOA	0	0.00	0.00	0.00	1	5.50	5.50	2.00	2	1.40	1.40	1.40	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	1	0.04	0.04	0.03	3	0.66	0.66	0.66	7	7.60	7.60	4.09
8	GUJARAT	3	3.00	3.75	3.07	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	3	3.00	3.75	3.07
9	HARYANA	1	3.00	6.00	6.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	1	3.00	6.00	6.00
10	HIMACHAL PRADESH	5	12.06	21.26	20.21	17	222.49	441.88	391.42	96	421.15	574.19	386.48	5	21.35	35.94	35.74	41	62.28	91.62	58.65	14	93.23	175.00	149.74	126	687.04	960.51	620.78	176	715.08	1069.36	698.12	480	2234.68	3369.76	2361.14
11	JAMMU & KASHMIR	0	0.00	0.00	0.00	0	0.00	0.00	0.00	1	1.00	1.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	1	0.00	0.00	0.00	2	1.00	1.00	0.00
12	JHARKHAND	127	455.06	470.44	323.13	270	829.93	907.95	630.71	534	1767.06	1873.10	1158.82	44	99.78	104.73	76.28	485	935.89	1054.21	728.36	323	1121.65	1187.02	740.40	33	130.35	139.51	68.16	496	1080.58	1154.60	638.86	2312	6420.30	6891.56	4364.72
13	KARNATAKA	26	41.90	42.90	42.10	45	63.34	71.48	55.88	136	334.63	396.88	263.59	7	37.83	38.03	35.40	973	1174.62	1537.27	1159.48	21	10.22	10.44	10.44	5	0.00	0.00	0.00	181	1105.15	1121.66	470.75	1394	2767.69	3218.66	2037.64
14	KERALA	13	72.64	73.46	73.05	29	119.42	134.61	115.96	44	95.04	105.22	93.02	39	181.81	181.81	181.81	20	70.68	72.70	72.00	19	248.52	337.10	289.44	2	11.99	11.99	11.59	157	467.06	489.41	471.68	323	1267.16	1406.30	1308.55
15	MADHYA PRADESH	18	3.00	3.00	3.00	12	15.00	15.00	15.00	262	726.23	738.63	464.57	42	74.02	74.02	64.01	8	36.80	39.80	37.80	0	0.00	0.00	0.00	39	38.80	39.60	38.60	332	363.67	385.65	309.47	713	1257.52	1295.70	932.45
16	MAHARASHTRA	44	292.30	296.20	273.85	246	533.46	539.73	520.69	21	49.88	50.02	30.79	0	0.00	0.00	0.00	67	82.37	86.35	84.47	5	13.40	13.40	13.40	25	11.86	22.96	11.48	638	729.18	772.59	490.61	1046	1712.45	1781.25	1425.29
17	MANIPUR	3	0.00	0.00	0.00	16	0.00	0.00	0.00	11	0.00	0.00	0.00	1	0.00	0.00	0.00	0	0.00	0.00	0.00	5	27.00	27.00	25.00	7	0.00	0.00	0.00	4	0.00	0.00	0.00	47	27.00	27.00	25.00
18	MEGHALAYA	1	0.20	0.20	0.00	15	430.38	856.40	29.33	15	386.13	434.13	102.00	3	37.00	37.00	2.00	6	17.32	25.41	13.91	33	453.80	712.26	97.52	32	538.63	645.03	206.50	60	1248.75	1595.40	418.40	165	3112.21	4305.83	869.66

(Area in Ha)

S No.	State	Surface Water Schemes Temporarily not in use due to																																	
		Non Availability of Adequate Power				Mechanical Break Down				Less discharge of water				Non-Availability of Finance				Storage Not filled up fully				Siltation of Canal / Storage				Channel break down				Any Other Reasons				Total			
		No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU	No.	CCA	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	32)	(33)	(34)	(35)	(36)	(37)	(38)
19	MIZORAM	0	0.00	0.00	0.00	2	105.00	245.00	100.00	5	71.00	90.00	23.40	4	59.00	130.00	37.10	0	0.00	0.00	0.00	1	32.00	62.00	7.50	12	541.50	1076.30	313.70	3	152.00	255.00	74.00	27	960.50	1858.30	555.70
20	NAGALAND	2	13.00	13.00	8.00	26	97.70	100.80	8.60	386	2569.11	2584.26	201.26	226	1080.02	1093.56	524.90	37	76.60	76.60	2.60	3	14.00	14.00	0.00	75	211.22	238.62	62.62	660	2677.51	2714.69	194.99	1415	6739.16	6835.53	1002.97
21	ODISHA	408	4022.91	5549.58	1460.54	970	12757.88	18143.66	2716.99	200	2030.34	2572.60	784.91	290	1386.53	1827.86	894.85	143	758.76	1040.53	334.52	98	890.59	1122.22	386.26	173	3290.66	5569.00	485.94	1009	8219.22	11257.31	2097.64	3291	33356.89	47082.76	9161.65
22	PUDUCHERRY	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
23	PUNJAB	13	19.34	36.46	36.46	15	35.72	71.44	71.44	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	1	0.81	1.62	1.62	29	55.87	109.52	109.52
24	RAJASTHAN	20	180.24	281.49	83.91	88	247.95	272.95	105.23	424	2843.70	3480.95	627.76	20	184.57	184.57	156.18	567	7491.19	9004.74	1834.11	0	0.00	0.00	0.00	0	0.00	0.00	0.00	200	3210.32	4782.06	70.87	1319	14157.97	18006.76	2878.06
25	SIKKIM	5	67.14	77.00	67.34	6	57.98	66.63	42.96	44	432.68	532.09	435.29	0	0.00	0.00	0.00	1	18.00	20.00	18.70	8	81.87	112.60	99.35	254	2576.43	3157.24	2440.17	135	1323.35	1783.27	1349.54	453	4557.45	5748.83	4453.35
26	TAMIL NADU	347	3270.88	3595.67	2855.33	549	1251.97	1308.76	802.66	1462	5277.18	5405.28	3395.99	227	1071.25	1071.27	944.34	1153	7854.68	7923.15	4709.37	36	122.61	122.80	102.32	12	8.80	17.80	1.81	1943	13076.36	13273.80	9312.83	5729	31933.73	32718.53	22124.65
27	TELENGANA	49	36.78	44.03	33.45	183	606.71	715.78	262.70	3721	23590.49	31841.98	5945.22	26	181.05	217.40	31.46	678	2703.49	4064.31	772.13	37	47.44	57.55	4.28	53	89.85	93.09	4.86	616	1355.16	1609.13	347.16	5363	28610.97	38643.27	7401.26
28	TRIPURA	9	229.50	286.00	10.00	20	211.00	365.10	193.05	30	1340.00	1749.00	566.00	1	36.00	72.00	67.00	0	0.00	0.00	0.00	4	70.00	171.00	34.00	0	0.00	0.00	0.00	52	1324.30	1762.60	397.60	116	3210.80	4405.70	1267.65
29	UTTARAKHAND	44	204.64	293.20	230.19	23	120.45	168.67	94.37	354	990.28	1506.02	937.19	41	151.20	244.03	155.15	198	271.43	417.41	274.15	158	840.33	1110.24	572.76	5225	21908.18	31749.90	22280.45	1787	7121.97	10521.67	7125.07	7830	31608.48	46011.14	31669.33
30	UTTAR PRADESH	44	232.76	317.26	260.76	33	165.60	230.40	195.40	54	133.83	174.36	161.93	7	12.00	15.00	15.00	57	193.00	226.00	215.30	10	74.16	134.16	68.16	7	30.60	36.60	36.60	623	1044.88	1150.61	982.56	835	1886.83	2284.39	193571
31	WEST BENGAL	0	0.00	0.00	0.00	0	0.00	0.00	0.00	88	948.62	1643.42	847.34	48	286.83	475.77	321.68	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	921	8882.71	14046.88	8994.06	1057	10118.16	16166.07	10163.08
	Total	1312	12258.23	15069.03	7710.09	3024	31783.26	42484.49	10204.38	12481	105763.75	136753.71	28522.24	1237	6152.06	7590.65	3990.68	4772	25328.43	29886.98	11279.69	958	5353.42	6828.92	3159.72	6359	33869.56	48372.39	27783.59	15631	144900.06	189436.10	50276.58	45774	365408.77	476422.27	142926.97

MINOR IRRIGATION CENSUS (2017-18)
Table IX (A): NUMBER OF SCHEMES PERMANENTLY NOT IN USE BY TYPE OF REASONS - GROUND WATER

(Area in Ha)

S.No.	State	Ground Water Schemes Permanently not in use															
		Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	2	0.00	38	6.60	0	0.00	0	0.00	0	0.00	0	0.00	11	8.30	51	14.90
2	ANDHRA PRADESH	1956	2633.94	37307	42543.50	2680	3178.59	82	88.79	67	67.91	508	1154.12	6340	7788.92	48940	57455.77
3	ARUNACHAL PRADESH	0	0.00	1	30.00	2	70.00	0	0.00	0	0.00	0	0.00	10	414.00	13	514.00
4	ASSAM	9	91.90	1658	3203.43	49	1190.69	1	33.00	0	0.00	0	0.00	357	1801.42	2074	6320.44
5	BIHAR	626	1780.02	404	2373.35	322	439.90	129	335.00	150	14.00	19	0.00	604	1018.05	2254	5960.32
6	CHHATISGARH	47	56.28	30	25.04	4	2.54	1	2.00	2	1.59	1	0.26	229	350.01	314	437.72
7	GOA	8	0.15	6	0.63	2	0.40	0	0.00	1	0.25	0	0.00	13	0.38	30	1.81
8	GUJARAT	2065	8763.19	120	527.77	92	412.45	48	261.28	30	171.53	23	106.89	1277	3673.76	3655	13916.87
9	HARYANA	2	0.00	1	10.00	0	0.0 0	0	0.00	0	0.00	0	0.00	4	18.00	7	28.00
10	HIMACHAL PRADESH	0	0.00	15	21.82	2	2.86	0	0.00	0	0.00	0	0.00	7	16.50	24	41.18
11	JAMMU & KASHMIR	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	1.00	1	1.00
12	JHARKHAND	7	3.65	122	167.24	675	16.05	3	0.98	7	2.20	0	0.00	83	72.83	897	262.95
13	KARNATAKA	230	163.67	1110	694.00	428	270.71	20	4.70	7	10.07	0	0.00	388	338.23	2183	1481.38
14	KERALA	4	0.49	11	1.20	5	8.10	1	0.00	1	4.84	0	0.00	51	11.16	73	25.79
15	MADHYA PRADESH	470	1532.43	4820	5503.66	813	987.40	243	284.20	68	97.15	192	175.18	7073	7222.01	13679	15802.03
16	MAHARASHTRA	117	113.16	3251	3841.61	98	213.54	62	113.68	36	72.64	17	33.88	202	127.43	3783	4515.94
17	MEGHALAYA	0	0.00	1	0.00	1	0.00	0	0.00	0	0.00	0	0.00	1	0.00	3	0.00
18	MIZORAM	0	0.00	0	0.00	4	0.00	0	0.00	0	0.00	0	0.00	11	0.00	15	0.00
19	NAGALAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	4.00	2	4.00
20	ODISHA	2587	2384.89	4468	4497.00	5953	5898.20	114	286.42	59	99.32	43	88.10	4487	6481.05	17711	19734.98
21	PUDUCHERRY	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	127	46.16	127	46.16
22	PUNJAB	2	8.04	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	8	6.48	11	14.52
23	RAJASTHAN	1051	1746.97	9544	15344.38	1164	1977.36	0	0	78	110.94	33	67.65	1615	3459.64	13485	22706.94
24	TAMIL NADU	5824	9152.29	27013	55072.41	5367	3630.73	858	653.34	321	60.90	237	663.45	13407	8910.27	53027	78143.39
25	TELENGANA	253	339.19	15752	12426.90	1421	1116.13	688	19.07	91	107.26	55	66.31	1774	1454.02	20034	15528.88
26	TRIPURA	0	0.00	58	171.70	21	139.50	0	0.00	0	0.00	0	0.00	91	342.80	170	654.00
27	UTTARAKHAND	14	36.10	95	247.60	42	99.00	0	0.00	0	0.00	0	0.00	69	189.40	220	572.10
28	UTTAR PRADESH	127	486.00	963	249.57	559	261.88	54	17.50	155	8.00	75	92.50	6764	8491.40	8697	9606.85
29	WEST BENGAL	590	6398.68	425	5192.94	954	11503.83	147	1878.74	94	1137.21	265	2695.03	4129	45245.39	6604	74051.82
	Total	15991	35691.04	107214	152152.35	20658	31419.86	2451	3978.7	1167	1965.81	1468	5143.37	49135	97492.61	198084	327843.74

Table IX (B): NUMBER OF SCHEMES PERMANENTLY NOT IN USE BY TYPE OF REASONS - SURFACE WATER

(Area in Ha)

S.No.	State	Surface Water Schemes Permanently not in use																	
		Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Due to sinking		Other reasons		Total	
		No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1	ANDAMAN & NICOBAR ISLANDS	3	1.00	43	38.50	9	4.00	1	1.00	0	0.00	2	1.00	0	0	15	10.10	73	55.60
2	ANDHRA PRADESH	6	31.32	849	19821.29	41	464.41	28	388.04	2	13.20	38	594.29	2	5.85	219	2900.79	1185	24219.19
3	ARUNACHAL PRADESH	3	104.00	7	160.00	154	2587.75	1	7.00	1	75.00	0	0.00	35	504	140	3356.60	341	6794.35
4	ASSAM	16	5185.00	34	5309.48	43	8045.76	1	2.75	0	0.00	0	0.00	1	18	60	9853.72	155	28414.71
5	BIHAR	26	105.00	186	8441.21	5	65.15	5	209.00	1	88.00	1	26.30	18	191.18	7	30.00	249	9155.84
6	CHHATISGARH	26	169.51	42	102.80	11	11.36	6	20.14	4	1.19	1	14.00	0	0	76	215.04	166	534.04
7	GOA	0	0.00	3	0.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0	16	120.30	21	120.30
8	HARYANA	15	58.40	1	6.00	1	8.00	0	0.00	0	0.00	0	0.00	0	0	0	0.00	17	72.40
9	HIMACHAL PRADESH	5	4.48	103	327.30	66	191.37	0	0.00	1	0.50	1	0.00	5	23.98	97	635.34	278	1182.97
10	JAMMU & KASHMIR	0	0.00	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	2	6	1	0.00	4	6.00
11	JHARKHAND	19	66.82	398	1048.96	82	162.65	5	24.30	88	151.42	20	110.60	0	0	159	258.50	771	1823.25
12	KARNATAKA	9	42.80	96	70.75	23	100.32	0	0.00	7	0.53	6	0.00	1	0	84	60.69	226	275.09
13	KERALA	5	3.81	15	77.76	28	83.72	3	7.25	1	0.00	7	3.27	0	0	58	98.31	117	274.12
14	MADHYA PRADESH	11	0.00	156	65.02	9	0.00	3	0.00	1	0.00	5	0.00	0	0	290	57.30	475	122.32
15	MAHARASHTRA	37	61.34	107	191.07	15	49.10	0	0.00	0	0.00	0	0.00	5	0	59	177.31	223	478.82
16	MANIPUR	0	0.00	6	0.00	174	0.00	1	0.00	0	0.00	0	0.00	0	0	2	0.00	183	0.00
17	MEGHALAYA	3	12.85	8	532.18	49	593.38	1	30.00	1	6.00	1	10.66	3	6.66	63	510.27	129	1702.00
18	MIZORAM	5	332.00	0	0.00	19	1220.00	0	0.00	1	34.00	0	0.00	0	0	5	643.50	30	2229.50
19	NAGALAND	3	7.00	59	150.00	46	235.80	12	39.00	1	3.00	2	1.49	8	14	52	167.92	183	618.21
20	ODISHA	267	1076.46	377	4304.00	764	7632.56	16	160.07	9	98.57	14	312.60	14	245.59	428	6919.82	1889	20749.67
21	PUDUCHERRY	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0	2	83.50	2	83.50
22	PUNJAB	24	56.22	30	68.88	5	14.14	1	0.40	0	0.00	0	0.00	0	0	2	1.60	62	141.24
23	RAJASTHAN	4	121.98	65	2315.84	12	79.46	0	0.00	0	0.00	1	2.43	0	0	17	181.38	99	2701.09
24	SIKKIM	1	7.10	9	96.50	26	368.15	0	0.00	1	19.00	0	0.00	20	226.17	77	1016.48	134	1733.40
25	TAMIL NADU	126	424.19	543	1396.93	210	430.80	68	109.76	27	96.45	13	0.00	11	7.2	745	790.45	1743	3255.78
26	TELENGANA	32	77.03	1792	3550.52	189	654.82	3	55.81	60	102.59	2	5.00	7	32.08	860	4335.19	2945	8813.04
27	TRIPURA	0	0.00	5	188.30	6	438.00	0	0.00	0	0.00	0	0.00	0	0	21	678.00	32	1304.30
28	UTTARAKHAND	28	169.19	141	639.68	1389	4793.07	7	69.68	6	11.70	7	28.50	562	2547.35	1383	7204.90	3523	15464.07

(Area in Ha)

S.No.	State	Surface Water Schemes Permanently not in use																	
		Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Due to sinking		Other reasons		Total	
		No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost	No.	IPC Lost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
29	UTTAR PRADESH	987	338.10	80	515.98	65	204.00	6	4.70	2	0.00	1	1.79	3	4.1	226	267.18	1370	1335.85
30	WEST BENGAL	53	760.74	82	1121.71	117	2150.31	26	324.64	4	28.60	59	219.21	0	0	420	14846.45	761	19451.66
	Total	1714	9216.34	5237	50540.66	3561	30588.08	194	1453.54	218	729.75	181	1331.14	697	3832.16	5584	55420.64	17386	153112.31

Table X (A): NUMBER OF UNDER UTILISED IN USE SCHEMES AND UNDER UTILISED POTENTIAL - GROUND WATER

(Area in Ha)

S.No.	State	Constraints in utilisation potential of Ground Water Schemes													
		Non Availability of Adequate Power		Mechanical Break Down		Less discharge of Water		Non - Availability of Finance		Lack of Maintenance		Others		Total	
		No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	0	0.00	5	2.00	63	20.37	20	15.05	24	17.19	437	575.68	549	630.29
2	ANDHRA PRADESH	10811	1195.65	9468	1862.91	135857	50189.38	19357	3113.27	19661	4961.77	21960	5906.12	217114	67229.10
3	ARUNACHAL PRADESH	2	0.00	1	13.00	1	0.00	0	0.00	0	0.00	5	21.00	9	34.00
4	ASSAM	1	0.50	7	22.83	0	0.00	0	0.00	0	0.00	14	71.72	22	95.05
5	BIHAR	1827	3331.60	10988	31841.25	11742	16840.62	1271	3567.36	582	882.41	14667	32493.31	41077	88956.55
6	CHANDIGARH	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
7	CHHATISGARH	3289	1758.61	3397	2028.83	11834	9490.66	1003	1097.46	944	694.83	18309	21484.18	38776	36554.57
8	GOA	4	0.20	3	0.00	95	19.38	10	3.03	3	3.52	177	59.67	292	85.80
9	GUJARAT	39	13.99	643	201.56	1	0.12	67	21.64	0	0.00	2	3.05	752	240.36
10	HARYANA	170	793.00	904	188.28	72	109. 60	12	100.00	17	145.00	1397	4805.89	2572	6141.77
11	HIMACHAL PRADESH	6	0.80	23	62.46	25	29.96	1	3.26	11	38.74	1355	3826.26	1421	3961.48
12	JAMMU & KASHMIR	99	12.46	5	0.36	239	29.16	0	0.00	1	20.00	9	35.05	353	97.03
13	JHARKHAND	1773	1064.04	2380	1304.24	21204	8498.56	1875	471.77	1360	588.82	5708	1985.79	34300	13913.22
14	KARNATAKA	22291	2561.56	4345	473.35	43282	5407. 26	266	24.35	510	46.72	3516	122.20	74210	8635.44
15	KERALA	54	1.85	87	3.79	208	17.75	15	1.25	11	0.20	458	59.76	833	84.60
16	MADHYA PRADESH	11919	1589.68	4077	994.22	6859	1578.56	2523	448.78	4958	1588.27	63234	8528.63	93570	14728.14
17	MAHARASHTRA	102087	62025.72	1099856	483.68	144934	52066.59	57	26.51	625	466.17	76124	49656.23	1423683	164724.90
18	MEGHALAYA	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	36	8.00	37	8.00
19	MIZORAM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
20	NAGALAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
21	ODISHA	7576	6329.64	7313	7444.75	39988	19915.76	10443	9587.74	10260	6389.61	41151	47728.40	116731	97395.90
22	PUDUCHERRY	0	0.00	81	0.00	0	0.00	0	0.00	127	0.00	32	0.00	240	0.00
23	PUNJAB	8168	13948.77	807	2172.51	2816	2623.28	27	10.94	15	11.32	19640	52247.82	31473	71014.64
24	RAJASTHAN	31369	68928.14	8253	9651.05	198003	270828.10	4919	7722.43	7955	10664.55	33096	49545.83	283595	417340.10
25	TAMIL NADU	10089	3312.72	10901	4223.39	88359	47701.80	2090	697.76	2904	985.20	29935	6606.84	144278	63527.71
26	TELENGANA	5699	2484.94	11358	4668.49	237187	75577.00	1961	481.58	2779	1209.19	12235	2406.75	271219	86827.95
27	TRIPURA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	18.00	1	18.00

(Area in Ha)

S.No.	State	Constraints in utilisation potential of Ground Water Schemes													
		Non Availability of Adequate Power		Mechanical Break Down		Less discharge of Water		Non - Availability of Finance		Lack of Maintenance		Others		Total	
		No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
28	UTTARAKHAND	189	35.07	253	60.77	114	232.00	53	10.20	3761	1104.76	497	3276.59	4867	4719.39
29	UTTAR PRADESH	14966	34062.28	11683	17603.70	6886	7262.99	427	555.28	12406	6004.43	20381	36127.15	66749	101615.83
30	WEST BENGAL	6544	5865.12	3742	2728.68	3493	3934.64	2169	1800.95	2828	2270.25	19392	17725.99	38168	34325.63
	Total	238972	209316.34	1190580	88036.10	953262	572373.54	48566	29760.61	71743	38092.95	383768	345325.91	2886891	1282905.45

Table X (B): NUMBER OF UNDER UTILISED IN USE SCHEMES AND UNDER UTILISED POTENTIAL - SURFACE WATER

(Area in Ha)

S.No.	State	potential of Surface Water Schemes		Constraints in utilisation													
		Non Availability of Adequate Power		Mechanical Break Down		Less discharge of Water		Storage not filled up fully		Siltation of canal/storage		Breakdown of channels		Others		Total	
		No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	2	1.70	3	1.63	3	4.27	13	6.87	5	8.95	1	0.30	452	828.06	479	851.78
2	ANDHRA PRADESH	288	831.57	20	155.27	428	1198.06	7660	116905.21	642	4940.93	66	721.09	321	604.05	9425	125356.18
3	ARUNACHAL PRADESH	0	0.00	7	87.75	73	196.76	3	15.00	128	500.70	143	1029.15	145	586.99	499	2416.35
4	ASSAM	1	3.00	2	799.00	2	62.50	0	0.00	0	0.00	0	0.00	44	1642.17	49	2506.67
5	BIHAR	278	270.20	316	2386.46	185	594.03	477	914.77	111	273.25	12	9.50	238	879.12	1617	5327.33
6	CHHATISGARH	330	330.72	427	620.54	682	1267.29	457	3053.31	139	394.48	70	648.94	1129	3510.32	3234	9825.60
7	GOA	4	0.00	3	0.20	79	4.37	7	23.20	4	0.70	2	0.00	81	136.48	180	164.95
8	GUJARAT	6	0.23	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.65	8	0.88
9	HARYANA	74	0.00	14	0.00	10	0.00	15	0.00	0	0.00	8	0.00	22	0.00	143	0.00
10	HIMACHAL PRADESH	39	23.84	62	37.22	196	327.69	533	328.70	28	299.86	268	527.67	805	1906.63	1931	3451.61
11	JAMMU & KASHMIR	4	0.00	2	0.00	3	4.00	3	7.00	11	3.00	2	0.00	48	119.00	73	133.00
12	JHARKHAND	2956	8158.65	1246	1058.72	4123	3833.75	7022	8091.09	4440	5481.70	209	677.32	4077	4002.76	24073	31303.99
13	KARNATAKA	6388	15.84	920	8.11	2852	207.55	645	69.66	364	32.96	9	0.00	504	53.45	11682	387.57
14	KERALA	122	52.90	60	5.18	184	77.46	88	51.97	89	46.67	14	2.01	282	298.74	839	534.93
15	MADHYA PRADESH	52	51.00	88	6.10	72	154.00	39	25.00	4	0.00	3	0.80	353	358.08	611	594.98
16	MAHARASHTRA	3849	4800.61	1E+05	5680.85	970	1042.51	852	1643.65	5167	2546.29	595	2187.68	5482	16262.04	154501	34163.63
17	MANIPUR	7	50.00	1	2.00	0	0.00	1	26.00	65	475.00	1	30.00	3	18.00	78	601.00
18	MEGHALAYA	2	0.00	0	0.00	4	13.00	6	0.10	8	86.51	2	5.00	118	753.72	140	858.33
19	MIZORAM	0	0.00	1	2.40	16	18.33	9	4.60	1	0.30	87	120.12	3	2.10	117	147.85
20	NAGALAND	2	0.00	38	59.50	88	157.30	1	0.00	121	197.29	348	321.82	87	236.80	685	972.71
21	ODISHA	1750	6549.68	3568	13834.40	1652	4010.29	2268	15986.96	2286	14921.53	393	3596.56	13087	60879.03	25004	119778.45
22	PUDUCHERRY	138	0.00	0	0.00	257	94.76	0	0.00	1	0.00	0	0.00	27	0.00	423	94.76
23	PUNJAB	39	0.00	15	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	0.00	57	0.00
24	RAJASTHAN	129	2410.13	148	178.41	635	4368.74	1074	18659.84	13	602.71	4	10.00	493	1233.54	2496	27463.37
25	SIKKIM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	4.85	0	0.00	2	4.85

(Area in Ha)

S.No.	State	potential of Surface Water Schemes		Constraints in utilisation													
		Non Availability of Adequate Power		Mechanical Break Down		Less discharge of Water		Storage not filled up fully		Siltation of canal/storage		Breakdown of channels		Others		Total	
		No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised	No.	Potential under Utilised
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
26	TAMIL NADU	1548	5619.48	983	2622.95	1368	2420.05	2241	15127.07	99	256.20	42	147.77	1679	6017.00	7960	32210.52
27	TELENGANA	340	246.02	168	124.13	4532	20900.77	6653	36950.55	659	2763.79	196	1580.06	2515	5221.58	15063	67786.90
28	TRIPURA	0	0.00	0	0.00	1	2.00	1	15.00	0	0.00	0	0.00	5	47.00	7	64.00
29	UTTARAKHAND	207	17.60	28	31.55	216	256.73	52	31.09	151	468.52	4186	8129.61	875	11428.65	5715	20363.75
30	UTTAR PRADESH	613	553.78	1133	1133.88	1464	1232.76	829	670.85	238	265.21	70	40.20	1573	1196.26	5920	5092.94
31	WEST BENGAL	1104	3946.68	396	1036.41	446	2642.60	0	0.00	0	0.00	25	54.00	3193	14000.31	5164	21680.00
	Total	20272	33933.63	1E+05	29872.66	20541	45091.57	30949	218607.49	14774	34566.55	6758	19844.45	37646	132222.53	278175	514138.88

Table XI (A): MINOR IRRIGATION SCHEMES ACCORDING TO OWNERSHIP TYPE FOR GROUND WATER SCHEME

(In Number)

S. No.	State	Ground water schemes owned by								
		Public					Private			Grand Total (7 + 10)
		Govt.	Co-op Society	Panchayat	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	192	10	406	58	666	184	1619	1803	2469
2	ANDHRA PRADESH	2612	329	924	3431	7296	44049	1081424	1125473	1132769
3	ARUNACHAL PRADESH	48	1	0	0	49	1	0	1	50
4	ASSAM	2087	161	74	1322	3644	79618	68914	148532	152176
5	BIHAR	4517	21622	630	2654	29423	4339	657469	661808	691231
6	CHANDIGARH	29	0	0	0	29	0	1	1	30
7	CHHATISGARH	536	139	228	1002	1905	2794	328888	331682	333587
8	GOA	83	12	8	44	147	177	3707	3884	4031
9	GUJARAT	22616	2354	2136	276	27382	19970	1307475	1327445	1354827
10	HARYANA	640	433	1290	5424	7787	147439	64239	211678	219465
11	HIMACHAL PRADESH	863	57	59	51	1030	1183	8478	9661	10691
12	JAMMU & KASHMIR	36	3	3	8	50	865	9555	10420	10470
13	JHARKHAND	43776	6632	5213	9656	65277	5197	92943	98140	163417
14	KARNATAKA	2788	3723	625	7913	15049	8592	1253611	1262203	1277252
15	KERALA	130	35	851	710	1726	928	59799	60727	62453
16	MADHYA PRADESH	18757	5156	9206	13593	46712	480725	1705206	2185931	2232643
17	MAHARASHTRA	5233	2451	1805	1363	10852	282612	2940501	3223113	3233965
18	MEGHALAYA	93	0	0	21	114	48	795	843	957
19	MIZORAM	27	0	3	0	30	0	31	31	61
20	NAGALAND	7	0	0	1	8	27	0	27	35
21	ODISHA	13583	1162	6156	1518	22419	4787	388775	393562	415981
22	PUDUCHERRY	4	19	0	24	47	19	3765	3784	3831

(In Number)

S. No.	State	Ground water schemes owned by								
		Public					Private			Grand Total (7 + 10)
		Govt.	Co-op Society	Panchayat	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	PUNJAB	522	65	2019	777	3383	13141	1157233	1170374	1173757
24	RAJASTHAN	7846	1103	1251	5146	15346	984305	475273	1459578	1474924
25	TAMIL NADU	6725	4584	5722	18568	35599	614145	1421074	2035219	2070818
26	TELENGANA	1344	269	751	1601	3965	11055	1564229	1575284	1579249
27	TRIPURA	762	31	7	10	810	95	1842	1937	2747
28	UTTARAKHAND	1670	123	365	213	2371	474	49146	49620	51991
29	UTTAR PRADESH	12389	708	1634	491	15222	916	3927964	3928880	3944102
30	WEST BENGAL	16298	4141	4411	20247	45097	26604	260244	286848	331945
	Total	166213	55323	45777	96122	363435	2734289	18834200	21568489	21931924

Table XI (B): MINOR IRRIGATION SCHEMES ACCORDING TO OWNERSHIP TYPE FOR SURFACE WATER SCHEME

(In Number)

S.No.	State	Surface water schemes owned by								
		Public					Private			Grand Total (7 + 10)
		Govt.	Co-op Society	Panchayat	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	192	5	305	69	571	128	2798	2926	3497
2	ANDHRA PRADESH	39931	213	4608	254	45006	2852	10337	13189	58195
3	ARUNACHAL PRADESH	2223	98	147	1	2469	853	54	907	3376
4	ASSAM	1463	35	9	207	1714	3175	4764	7939	9653
5	BIHAR	2602	410	947	540	4499	590	4315	4905	9404
6	CHHATISGARH	2660	173	638	360	3831	1896	10608	12504	16335
7	GOA	106	11	4	109	230	501	1371	1872	2102
8	GUJARAT	24120	17128	7	0	41255	1	2	3	41258
9	HARYANA	47	30	7	0	84	259	392	651	735
10	HIMACHAL PRADESH	4277	473	6591	1124	12465	5080	4441	9521	21986
11	JAMMU & KASHMIR	1743	13	22	589	2367	262	13	275	2642
12	JHARKHAND	31827	6144	3819	4322	46112	12593	30541	43134	89246
13	KARNATAKA	21791	2407	3473	5985	33656	3103	91204	94307	127963
14	KERALA	1675	143	3127	1482	6427	3482	20212	23694	30121
15	MADHYA PRADESH	22495	953	2029	3043	28520	7374	16756	24130	52650
16	MAHARASHTRA	15052	1204	203	621	17080	11730	310089	321819	338899
17	MANIPUR	959	3	7	1	970	1	0	1	971
18	MEGHALAYA	1816	12	11	297	2136	1050	1310	2360	4496
19	MIZORAM	214	3	1	0	218	294	1907	2201	2419
20	NAGALAND	179	17	75	6	277	10536	8607	19143	19420
21	ODISHA	17307	856	10671	887	29721	8861	56018	64879	94600

(In Number)

S.No.	State	Surface water schemes owned by								
		Public					Private			Grand Total (7 + 10)
		Govt.	Co-op Society	Panchayat	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
22	PUDUCHERRY	341	0	0	6	347	2	356	358	705
23	PUNJAB	89	16	21	5	131	5	1596	1601	1732
24	RAJASTHAN	3994	50	459	1253	5756	5191	5202	10393	16149
25	SIKKIM	1382	4	0	0	1386	175	5	180	1566
26	TAMIL NADU	18279	871	12645	1649	33444	3019	7628	10647	44091
27	TELENGANA	39664	219	11188	1632	52703	2522	45394	47916	100619
28	TRIPURA	1626	0	20	1	1647	139	740	879	2526
29	UTTARAKHAND	11132	288	25449	630	37499	318	656	974	38473
30	UTTAR PRADESH	4091	724	4964	201	9980	570	21665	22235	32215
31	WEST BENGAL	4636	494	2028	2910	10068	19247	9681	28928	38996
	Total	277913	32997	93475	28184	432569	105809	668662	774471	1207040

Table XII(A): MINOR IRRIGATION SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO HOLDING SIZE OF OWNER - GROUND WATER

(In Number)

S.No.	State	No. of Ground Water Schemes owned by farmers					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	341	351	696	231	0	1619
2	ANDHRA PRADESH	597887	313350	137458	27299	5430	1081424
3	ASSAM	43544	13254	7804	4135	177	68914
4	BIHAR	179134	253250	149932	58773	16380	657469
5	CHANDIGARH	0	0	1	0	0	1
6	CHHATISGARH	91089	111528	80176	40796	5299	328888
7	GOA	2568	610	294	184	51	3707
8	GUJARAT	581733	450729	212479	60181	2353	1307475
9	HARYANA	3582	5264	27679	24628	3086	64239
10	HIMACHAL PRADESH	3789	2374	1653	551	111	8478
11	JAMMU & KASHMIR	5241	3107	1065	123	19	9555
12	JHARKHAND	42559	33810	12502	2577	1495	92943
13	KARNATAKA	520161	404510	206724	81357	40859	1253611
14	KERALA	52359	5300	1493	527	120	59799
15	MADHYA PRADESH	487434	565727	433312	201155	17578	1705206
16	MAHARASHTRA	865332	1088792	678531	262559	45287	2940501
17	MEGHALAYA	56	387	338	14	0	795
18	MIZORAM	8	18	4	1	0	31
19	ODISHA	134296	107989	94066	50057	2367	388775
20	PUDUCHERRY	2019	1013	593	129	11	3765
21	PUNJAB	46786	174016	529951	344790	61690	1157233
22	RAJASTHAN	54454	93825	143919	143594	39481	475273
23	TAMIL NADU	756151	363966	164723	61882	74352	1421074
24	TELENGANA	923622	376810	196576	59416	7805	1564229
25	TRIPURA	666	714	425	34	3	1842

(In Number)

S.No.	State	No. of Ground Water Schemes owned by farmers					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
26	UTTARAKHAND	6768	15622	21210	5287	259	49146
27	UTTAR PRADESH	2465671	883711	444034	109257	25291	3927964
28	WEST BENGAL	107813	118893	29204	4334	0	260244
	Total	7975063	5388920	3576842	1543871	349504	18834200

Table XII(B): MINOR IRRIGATION SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO HOLDING SIZE OF OWNER - SURFACE WATER

(In Number)

S.No.	State	No. of Surface Water Schemes owned by farmers					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2-4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	494	986	919	396	3	2798
2	ANDHRA PRADESH	3904	3500	2048	785	100	10337
3	ARUNACHAL PRADESH	0	3	30	20	1	54
4	ASSAM	4094	386	169	53	62	4764
5	BIHAR	736	621	1156	1390	412	4315
6	CHHATISGARH	2077	3337	2909	1931	354	10608
7	GOA	764	334	127	104	42	1371
8	GUJARAT	0	1	1	0	0	2
9	HARYANA	53	46	215	75	3	392
10	HIMACHAL PRADESH	2537	1408	346	125	25	4441
11	JAMMU & KASHMIR	2	7	2	2	0	13
12	JHARKHAND	7477	13109	6735	2312	908	30541
13	KARNATAKA	11340	36710	21691	13792	7671	91204
14	KERALA	13636	3820	1766	711	279	20212
15	MADHYA PRADESH	4034	4829	4314	3039	540	16756
16	MAHARASHTRA	48987	196090	39810	21428	3774	310089
17	MEGHALAYA	23	560	519	180	28	1310
18	MIZORAM	419	856	584	22	26	1907
19	NAGALAND	2582	1608	2592	1563	262	8607
20	ODISHA	12383	17431	15345	9278	1581	56018
21	PUDUCHERRY	99	105	54	25	73	356
22	PUNJAB	120	310	418	533	215	1596
23	RAJASTHAN	1002	1183	1596	1157	264	5202
24	SIKKIM	0	1	0	1	3	5
25	TAMIL NADU	2563	2096	893	591	1485	7628
26	TELENGANA	23782	12553	7013	1793	253	45394

(In Number)

S.No.	State	No. of Surface Water Schemes owned by farmers					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2-4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
27	TRIPURA	446	220	51	21	2	740
28	UTTARAKHAND	110	329	182	24	11	656
29	UTTAR PRADESH	5454	8182	5861	1798	370	21665
30	WEST BENGAL	7387	1698	380	216	0	9681
	Total	156505	312319	117726	63365	18747	668662

Table XII(C): MINOR IRRIGATION SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO HOLDING SIZE OF OWNER - ALL SCHEMES

(In Number)

S.No.	State	Total number of Minor Irrigation Scheme owned by farmers					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	835	1337	1615	627	3	4417
2	ANDHRA PRADESH	601791	316850	139506	28084	5530	1091761
3	ARUNACHAL PRADESH	0	3	30	20	1	54
4	ASSAM	47638	13640	7973	4188	239	73678
5	BIHAR	179870	253871	151088	60163	16792	661784
6	CHANDIGARH	0	0	1	0	0	1
7	CHHATISGARH	93166	114865	83085	42727	5653	339496
8	GOA	3332	944	421	288	93	5078
9	GUJARAT	581733	450730	212480	60181	2353	1307477
10	HARYANA	3635	5310	27894	24703	3089	64631
11	HIMACHAL PRADESH	6326	3782	1999	676	136	12919
12	JAMMU & KASHMIR	5243	3114	1067	125	19	9568
13	JHARKHAND	50036	46919	19237	4889	2403	123484
14	KARNATAKA	531501	441220	228415	95149	48530	1344815
15	KERALA	65995	9120	3259	1238	399	80011
16	MADHYA PRADESH	491468	570556	437626	204194	18118	1721962
17	MAHARASHTRA	914319	1284882	718341	283987	49061	3250590
18	MANIPUR	0	0	0	0	0	0
19	MEGHALAYA	79	947	857	194	28	2105
20	MIZORAM	427	874	588	23	26	1938
21	NAGALAND	2582	1608	2592	1563	262	8607
22	ODISHA	146679	125420	109411	59335	3948	444793
23	PUDUCHERRY	2118	1118	647	154	84	4121
24	PUNJAB	46906	174326	530369	345323	61905	1158829
25	RAJASTHAN	55456	95008	145515	144751	39745	480475
26	SIKKIM	0	1	0	1	3	5

(In Number)

S.No.	State	Total number of Minor Irrigation Scheme owned by farmers					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
27	TAMIL NADU	758714	366062	165616	62473	75837	1428702
28	TELENGANA	947404	389363	203589	61209	8058	1609623
29	TRIPURA	1112	934	476	55	5	2582
30	UTTARAKHAND	6878	15951	21392	5311	270	49802
31	UTTAR PRADESH	2471125	891893	449895	111055	25661	3949629
32	WEST BENGAL	115200	120591	29584	4550	0	269925
	Total	8131568	5701239	3694568	1607236	368251	19502862

Table XIII(A): MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF INDIVIDUAL OWNER - GROUND WATER

(In Number)

S.No.	State	No. of Ground Water Schemes						
		Social Status of individual Owner						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7+8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	0	187	591	841	1619	850	2469
2	ANDHRA PRADESH	74534	29346	407935	569609	1081424	51345	1132769
3	ARUNACHAL PRADESH	0	0	0	0	0	50	50
4	ASSAM	1366	3587	4564	59397	68914	83262	152176
5	BIHAR	59706	13182	303669	280912	657469	33762	691231
6	CHANDIGARH	0	0	0	1	1	29	30
7	CHHATISGARH	29941	76725	198607	23615	328888	4699	333587
8	GOA	95	632	829	2151	3707	324	4031
9	GUJARAT	331527	317378	320586	337984	1307475	47352	1354827
10	HARYANA	1715	302	5387	56835	64239	155226	219465
11	HIMACHAL PRADESH	851	413	3719	3495	8478	2213	10691
12	JAMMU & KASHMIR	1816	142	590	7007	9555	915	10470
13	JHARKHAND	10242	34953	38771	8977	92943	70474	163417
14	KARNATAKA	174110	55212	380247	644042	1253611	23641	1277252
15	KERALA	1258	352	26347	31842	59799	2654	62453
16	MADHYA PRADESH	126908	239665	1081631	257002	1705206	527437	2232643
17	MAHARASHTRA	393934	437478	1002470	1106619	2940501	293464	3233965
18	MEGHALAYA	8	20	13	754	795	162	957
19	MIZORAM	1	30	0	0	31	30	61
20	NAGALAND	0	0	0	0	0	35	35

(In Number)

S.No.	State	No. of Ground Water Schemes						
		Social Status of individual Owner						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7+8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
21	ODISHA	50134	86438	177348	74855	388775	27206	415981
22	PUDUCHERRY	140	7	3008	610	3765	66	3831
23	PUNJAB	23707	2323	28246	1102957	1157233	16524	1173757
24	RAJASTHAN	54329	60021	266368	94555	475273	999651	1474924
25	TAMIL NADU	110860	17145	1118782	174287	1421074	649744	2070818
26	TELENGANA	176035	178297	863451	346446	1564229	15020	1579249
27	TRIPURA	420	553	280	589	1842	905	2747
28	UTTARAKHAND	3508	5704	28322	11612	49146	2845	51991
29	UTTAR PRADESH	714320	67536	2178297	967811	3927964	16138	3944102
30	WEST BENGAL	71270	13832	46273	128869	260244	71701	331945
	Total	2412735	1641460	8486331	6293674	18834200	3097724	21931924

MINOR IRRIGATION CENSUS (2017-18)
Table XIII(B): MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF INDIVIDUAL OWNER – SURFACE WATER

(In Number)

S.No.	State	No. of Surface Water Schemes						
		Social Status of individual Owner						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7+8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	0	1	1861	936	2798	699	3497
2	ANDHRA PRADESH	678	741	3256	5662	10337	47858	58195
3	ARUNACHAL PRADESH	2	52	0	0	54	3322	3376
4	ASSAM	33	355	283	4093	4764	4889	9653
5	BIHAR	561	80	1907	1767	4315	5089	9404
6	CHHATISGARH	519	6048	3005	1036	10608	5727	16335
7	GOA	66	421	199	685	1371	731	2102
8	GUJARAT	0	0	2	0	2	41256	41258
9	HARYANA	98	5	176	113	392	343	735
10	HIMACHAL PRADESH	677	422	145	3197	4441	17545	21986
11	JAMMU & KASHMIR	6	6	0	1	13	2629	2642
12	JHARKHAND	2668	17229	7691	2953	30541	58705	89246
13	KARNATAKA	6790	3175	27982	53257	91204	36759	127963
14	KERALA	446	212	7262	12292	20212	9909	30121
15	MADHYA PRADESH	999	3832	9518	2407	16756	35894	52650
16	MAHARASHTRA	43525	62152	79119	125293	310089	28810	338899
17	MANIPUR	0	0	0	0	0	971	971
18	MEGHALAYA	3	1306	1	0	1310	3186	4496
19	MIZORAM	42	1864	1	0	1907	512	2419
20	NAGALAND	37	8569	1	0	8607	10813	19420

(In Number)

S.No.	State	No. of Surface Water Schemes						
		Social Status of individual Owner						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7+8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
21	ODISHA	7837	15376	21277	11528	56018	38582	94600
22	PUDUCHERRY	234	0	31	91	356	349	705
23	PUNJAB	114	8	34	1440	1596	136	1732
24	RAJASTHAN	573	1423	2288	918	5202	10947	16149
25	SIKKIM	0	0	2	3	5	1561	1566
26	TAMIL NADU	1096	62	4676	1794	7628	36463	44091
27	TELENGANA	4776	6527	25218	8873	45394	55225	100619
28	TRIPURA	125	211	129	275	740	1786	2526
29	UTTARAKHAND	119	43	5	489	656	37817	38473
30	UTTAR PRADESH	4153	462	12001	5049	21665	10550	32215
31	WEST BENGAL	1932	643	2906	4200	9681	29315	38996
	Total	78109	131225	210976	248352	668662	538378	1207040

MINOR IRRIGATION CENSUS (2017-18)
Table XIII(C): MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF INDIVIDUAL OWNER - ALL SCHEMES

(In Number)

S.No.	State	Total No. of Minor Irrigation Schemes						
		Social Status of individual Owner						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7+8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	0	188	2452	1777	4417	1549	5966
2	ANDHRA PRADESH	75212	30087	411191	575271	1091761	99203	1190964
3	ARUNACHAL PRADESH	2	52	0	0	54	3372	3426
4	ASSAM	1399	3942	4847	63490	73678	88151	161829
5	BIHAR	60267	13262	305576	282679	661784	38851	700635
6	CHANDIGARH	0	0	0	1	1	29	30
7	CHHATISGARH	30460	82773	201612	24651	339496	10426	349922
8	GOA	161	1053	1028	2836	5078	1055	6133
9	GUJARAT	331527	317378	320588	337984	1307477	88608	1396085
10	HARYANA	1813	307	5563	56948	64631	155569	220200
11	HIMACHAL PRADESH	1528	835	3864	6692	12919	19758	32677
12	JAMMU & KASHMIR	1822	148	590	7008	9568	3544	13112
13	JHARKHAND	12910	52182	46462	11930	123484	129179	252663
14	KARNATAKA	180900	58387	408229	697299	1344815	60400	1405215
15	KERALA	1704	564	33609	44134	80011	12563	92574
16	MADHYA PRADESH	127907	243497	1091149	259409	1721962	563331	2285293
17	MAHARASHTRA	437459	499630	1081589	1231912	3250590	322274	3572864
18	MANIPUR	0	0	0	0	0	971	971

(In Number)

S.No.	State	Total No. of Minor Irrigation Schemes						
		Social Status of individual Owner						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7+8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
19	MEGHALAYA	11	1326	14	754	2105	3348	5453
20	MIZORAM	43	1894	1	0	1938	542	2480
21	NAGALAND	37	8569	1	0	8607	10848	19455
22	ODISHA	57971	101814	198625	86383	444793	65788	510581
23	PUDUCHERRY	374	7	3039	701	4121	415	4536
24	PUNJAB	23821	2331	28280	1104397	1158829	16660	1175489
25	RAJASTHAN	54902	61444	268656	95473	480475	1010598	1491073
26	SIKKIM	0	0	2	3	5	1561	1566
27	TAMIL NADU	111956	17207	1123458	176081	1428702	686207	2114909
28	TELENGANA	180811	184824	888669	355319	1609623	70245	1679868
29	TRIPURA	545	764	409	864	2582	2691	5273
30	UTTARAKHAND	3627	5747	28327	12101	49802	40662	90464
31	UTTAR PRADESH	718473	67998	2190298	972860	3949629	26688	3976317
32	WEST BENGAL	73202	14475	49179	133069	269925	101016	370941
	Total	2490844	1772685	8697307	6542026	19502862	3636102	23138964

MINOR IRRIGATION CENSUS (2017-18)
TABLE XIII(D): MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF FEMALE OWNER - GROUND WATER

(In Number)

S.No.	State	No. of Ground Water Scheme owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	1	149	185	335
2	ANDHRA PRADESH	15895	6252	69853	102641	194641
3	ASSAM	111	812	206	11389	12518
4	BIHAR	3134	1320	9517	5976	19947
5	CHHATISGARH	2943	7668	16479	3767	30857
6	GOA	5	62	117	219	403
7	GUJARAT	61192	59373	59702	61112	241379
8	HARYANA	85	49	249	3315	3698
9	HIMACHAL PRADESH	39	24	181	214	458
10	JAMMU & KASHMIR	29	4	11	135	179
11	JHARKHAND	490	1490	1509	345	3834
12	KARNATAKA	22378	14398	59258	91891	187925
13	KERALA	263	90	5604	6327	12284
14	MADHYA PRADESH	92871	182385	812634	175525	1263415
15	MAHARASHTRA	75952	85057	237159	398843	797011
16	MEGHALAYA	0	0	0	5	5
17	MIZORAM	0	11	0	0	11
18	ODISHA	1879	2257	7064	1618	12818
19	PUDUCHERRY	25	0	234	47	306
20	PUNJAB	667	133	534	12549	13883
21	RAJASTHAN	5842	5065	24710	11739	47356
22	TAMIL NADU	14683	2606	125941	19880	163110
23	TELENGANA	30086	29762	143663	61962	265473
24	TRIPURA	12	37	4	11	64

(In Number)

S.No.	State	No. of Ground Water Scheme owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
25	UTTARAKHAND	173	162	1208	479	2022
26	UTTAR PRADESH	37549	3662	61248	30794	133253
27	WEST BENGAL	1893	406	755	1856	4910
	Total	368196	403086	1637989	1002824	3412095

MINOR IRRIGATION CENSUS (2017-18)
TABLE XIII(E): MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF FEMALE OWNER -SURFACE WATER

(In Number)

S.No.	State	No. of Surface Water Scheme owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	0	309	179	488
2	ANDHRA PRADESH	87	157	445	784	1473
3	ARUNACHAL PRADESH	0	5	0	0	5
4	ASSAM	6	39	11	1566	1622
5	BIHAR	7	11	33	92	143
6	CHHATISGARH	81	610	250	164	1105
7	GOA	21	77	22	66	186
8	HARYANA	7	0	0	6	13
9	HIMACHAL PRADESH	33	34	5	103	175
10	JAMMU & KASHMIR	0	3	0	0	3
11	JHARKHAND	136	683	312	67	1198
12	KARNATAKA	962	641	3469	6543	11615
13	KERALA	69	48	1225	1662	3004
14	MADHYA PRADESH	847	3145	7774	1875	13641
15	MAHARASHTRA	8783	7889	16506	47212	80390
16	MEGHALAYA	2	552	1	0	555
17	MIZORAM	1	25	0	0	26
18	NAGALAND	2	102	0	0	104
19	ODISHA	169	245	362	128	904
20	PUDUCHERRY	22	0	5	19	46
21	PUNJAB	5	2	2	10	19
22	RAJASTHAN	137	93	253	126	609
23	TAMIL NADU	165	6	639	155	965
24	TELENGANA	711	1004	3700	1245	6660

(In Number)

S.No.	State	No. of Surface Water Scheme owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
25	TRIPURA	3	10	4	2	19
26	UTTARAKHAND	0	1	1	23	25
27	UTTAR PRADESH	155	33	399	389	976
28	WEST BENGAL	92	21	105	137	355
	Total	12503	15436	35832	62553	126324

MINOR IRRIGATION CENSUS (2017-18)
TABLE XIII(F) :MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF FEMALE OWNER- ALL SCHEMES

(In Number)

S.No.	State	Total No. of Minor Irrigation Schemes				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	1	458	364	823
2	ANDHRA PRADESH	15982	6409	70298	103425	196114
3	ARUNACHAL PRADESH	0	5	0	0	5
4	ASSAM	117	851	217	12955	14140
5	BIHAR	3141	1331	9550	6068	20090
6	CHANDIGARH	0	0	0	0	0
7	CHHATISGARH	3024	8278	16729	3931	31962
8	GOA	26	139	139	285	589
9	GUJARAT	61192	59373	59702	61112	241379
10	HARYANA	92	49	249	3321	3711
11	HIMACHAL PRADESH	72	58	186	317	633
12	JAMMU & KASHMIR	29	7	11	135	182
13	JHARKHAND	626	2173	1821	412	5032
14	KARNATAKA	23340	15039	62727	98434	199540
15	KERALA	332	138	6829	7989	15288
16	MADHYA PRADESH	93718	185530	820408	177400	1277056
17	MAHARASHTRA	84735	92946	253665	446055	877401
18	MANIPUR	0	0	0	0	0
19	MEGHALAYA	2	552	1	5	560
20	MIZORAM	1	36	0	0	37
21	NAGALAND	2	102	0	0	104
22	ODISHA	2048	2502	7426	1746	13722
23	PUDUCHERRY	47	0	239	66	352
24	PUNJAB	672	135	536	12559	13902
25	RAJASTHAN	5979	5158	24963	11865	47965

(In Number)

S.No.	State	Total No. of Minor Irrigation Schemes				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
26	SIKKIM	0	0	0	0	0
27	TAMIL NADU	14848	2612	126580	20035	164075
28	TELENGANA	30797	30766	147363	63207	272133
29	TRIPURA	15	47	8	13	83
30	UTTARAKHAND	173	163	1209	502	2047
31	UTTAR PRADESH	37704	3695	61647	31183	134229
32	WEST BENGAL	1985	427	860	1993	5265
	Total	380699	418522	1673821	1065377	3538419

MINOR IRRIGATION CENSUS (2017-18)
Table XIII(G): MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF TRANSGENDER OWNER - GROUND WATER

S. No.	State	No. of Ground Water Schemes				
		Social Status of Owner				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
1	2	3	4	5	6	7
1	ANDAMAN & NICOBAR ISLANDS	0	0	0	0	0
2	ANDHRA PRADESH	38	25	178	284	525
3	ARUNACHAL PRADESH	0	0	0	0	0
4	ASSAM	4	1	2	12	19
5	BIHAR	554	179	338	493	1564
6	CHANDIGARH	0	0	0	0	0
7	CHHATISGARH	180	129	316	52	677
8	GOA	3	0	0	1	4
9	GUJARAT	5	4	1	19	29
10	HARYANA	23	9	9	66	107
11	HIMACHAL PRADESH	1	0	2	4	7
12	JAMMU & KASHMIR	1	0	0	0	1
13	JHARKHAND	45	41	47	61	194
14	KARNATAKA	427	490	424	448	1789
15	KERALA	31	3	33	41	108
16	MADHYA PRADESH	13265	20222	103028	22574	159089
17	MAHARASHTRA	19323	22376	25026	110	66835
18	MANIPUR	0	0	0	0	0
19	MEGHALAYA	0	0	0	1	1
20	MIZORAM	0	0	0	0	0
21	NAGALAND	0	0	0	0	0
22	ODISHA	217	97	101	626	1041
23	PUDUCHERRY	0	0	3	1	4
24	PUNJAB	110	99	17	214	440

S. No.	State	No. of Ground Water Schemes				
		Social Status of Owner				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
1	2	3	4	5	6	7
25	RAJASTHAN	269	85	247	217	818
26	SIKKIM	0	0	0	0	0
27	TAMIL NADU	492	66	834	297	1689
28	TELENGANA	277	374	318	167	1136
29	TRIPURA	0	0	0	0	0
30	U TTARAKHAND	2	10	26	1	39
31	UTTAR PRADESH	3078	1174	2698	1598	8548
32	WEST BENGAL	0	0	0	0	0
	Total	38345	45384	133648	27287	244664

MINOR IRRIGATION CENSUS (2017-18)
Table XIII(H): MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF TRANSGENDER OWNER - SURFACE WATER

S. No.	State	No. of Surface Water Schemes				
		Social Status of Owner				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
1	2	3	4	5	6	7
1	ANDAMAN & NICOBAR ISLANDS	0	0	1	0	1
2	ANDHRA PRADESH	0	0	0	2	2
3	ARUNACHAL PRADESH	0	0	0	0	0
4	ASSAM	1	0	0	1	2
5	BIHAR	1	2	3	10	16
6	CHANDIGARH	0	0	0	0	0
7	CHHATISGARH	11	33	1	3	48
8	GOA	0	0	0	0	0
9	GUJARAT	0	0	0	0	0
10	HARYANA	0	3	0	0	3
11	HIMACHAL PRADESH	0	0	0	0	0
12	JAMMU & KASHMIR	0	0	0	0	0
13	JHARKHAND	17	50	9	18	94
14	KARNATAKA	89	9	55	52	205
15	KERALA	3	1	8	8	20
16	MADHYA PRADESH	102	431	1085	269	1887
17	MAHARASHTRA	2494	3641	3207	3	9345
18	MANIPUR	0	0	0	0	0
19	MEGHALAYA	0	1	0	0	1
20	MIZORAM	0	0	0	0	0
21	NAGALAND	0	0	0	0	0
22	ODISHA	19	8	16	139	182
23	PUDUCHERRY	0	0	0	0	0
24	PUNJAB	0	0	0	0	0

S. No.	State	No. of Surface Water Schemes				
		Social Status of Owner				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
1	2	3	4	5	6	7
25	RAJASTHAN	4	1	3	1	9
26	SIKKIM	0	0	0	0	0
27	TAMIL NADU	2	0	3	6	11
28	TELENGANA	5	5	8	5	23
29	TRIPURA	0	0	0	0	0
30	UTTARAKHAND	0	0	0	0	0
31	UTTAR PRADESH	12	4	15	8	39
32	WEST BENGAL	0	0	0	0	0
	Total	2760	4189	4414	525	11888

MINOR IRRIGATION CENSUS (2017-18)
Table XIII(I):MINOR IRRIGATION SCHEMES ACCORDING TO SOCIAL STATUS OF TRANSGENDER OWNER - ALL SCHEMES

(In Number)

S.No.	State	All Schemes				
		Social Status of Owner				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	10	0	1	
2	ANDHRA PRADESH	38	25	178	286	527
3	ARUNACHAL PRADESH	0	0	0	0	0
4	ASSAM	5	1	2	13	21
5	BIHAR	555	181	341	503	1580
6	CHANDIGARH	0	0	0	0	0
7	CHHATISGARH	191	162	317	55	725
8	GOA	3	0	0	1	4
9	GUJARAT	5	4	1	19	29
10	HARYANA	23	12	9	66	110
11	HIMACHAL PRADESH	1	0	2	4	7
12	JAMMU & KASHMIR	1	0	0	0	1
13	JHARKHAND	62	91	56	79	288
14	KARNATAKA	516	499	479	500	1994
15	KERALA	34	4	41	49	128
16	MADHYA PRADESH	13367	20653	104113	22843	160976
17	MAHARASHTRA	21817	26017	28233	113	76180
18	MANIPUR	0	0	0	0	0
19	MEGHALAYA	0	1	0	1	2
20	MIZORAM	0	0	0	0	0
21	NAGALAND	0	0	0	0	0
22	ODISHA	236	105	117	765	1223
23	PUDUCHERRY	0	0	3	1	4
24	PUNJAB	110	99	17	214	440

(In Number)

S.No.	State	All Schemes				
		Social Status of Owner				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
25	RAJASTHAN	273	86	250	218	827
26	SIKKIM	0	0	0	0	0
27	TAMIL NADU	494	66	837	303	1700
28	TELENGANA	282	379	326	172	1159
29	TRIPURA	0	0	0	0	0
30	UTTARAKHAND	2	10	26	1	39
31	UTTAR PRADESH	3090	1178	2713	1606	8587
32	WEST BENGAL	0	0	0	0	0
	Total	41105	49573	138062	27812	256552

MINOR IRRIGATION CENSUS (2017-18)
Table XIV(A): MINOR IRRIGATION SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO SOURCE OF FINANCE - GROUND WATER

(In Number)

S.No.	State	Ground Water Schemes														
		With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0	471	518	0	32	1021	1	19	1	4	0	0	573	598	1619
2	ANDHRA PRADESH	24937	5103	612711	52929	31375	727055	48591	11847	151073	1225	14845	879	125909	354369	1081424
3	ASSAM	169	3	1078	0	26	1276	18	11	12	23	1	1	67572	67638	68914
4	BIHAR	359	578	33826	76	1738	36577	68525	15775	11280	31731	607	515	492459	620892	657469
5	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
6	CHHATISGARH	298	1550	24713	19	891	27471	11207	12139	1080	1280	48	49	275614	301417	328888
7	GOA	57	33	1186	3	28	1307	189	228	4	22	0	1	1956	2400	3707
8	GUJARAT	72424	25549	552353	5082	591372	1246780	7768	2932	199	305	190	145	49156	60695	1307475
9	HARYANA	1629	2009	26372	710	4742	35462	1444	70	4728	143	284	121	21987	28777	64239
10	HIMACHAL PRADESH	145	51	2867	0	92	3155	677	265	6	21	1	0	4353	5323	8478
11	JAMMU & KASHMIR	32	347	7935	1	10	8325	0	144	0	0	0	0	1086	1230	9555
12	JHARKHAND	133	5562	634	4	229	6562	2348	37019	321	6573	55	365	39700	86381	92943
13	KARNATAKA	81750	4655	758249	7506	20215	872375	100814	8383	22766	53145	3235	253	192640	381236	1253611
14	KERALA	766	378	41101	135	1803	44183	1883	3692	568	199	55	20	9199	15616	59799
15	MADHYA PRADESH	92104	22133	1010911	8853	184611	1318612	19823	16470	10945	4048	1119	974	333215	386594	1705206
16	MAHARASHTRA	374834	207566	2229920	19184	56424	2887928	9966	1719	4167	226	52	291	36152	52573	2940501
17	MEGHALAYA	0	1	714	0	0	715	1	0	0	0	0	0	79	80	795
18	MIZORAM	0	1	30	0	0	31	0	0	0	0	0	0	0	0	31
19	ODISHA	3344	12592	86874	142	361	103313	22970	107327	25314	4871	476	622	123882	285462	388775
20	PUDUCHERRY	0	0	1	0	0	1	9	2	0	1	0	0	3752	3764	3765
21	PUNJAB	11007	3649	636729	26770	11900	690055	7033	2317	210579	289	516	1051	245393	467178	1157233
22	RAJASTHAN	31187	1447	133924	4407	4024	174989	151634	3163	26584	4295	6145	99	108364	300284	475273

(In Number)

S.No.	State	Ground Water Schemes														
		With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
23	TAMIL NADU	11143	2322	605017	3903	8527	630912	59713	6059	114761	9792	1465	472	597900	790162	1421074
24	TELENGANA	4013	1807	271420	10879	646	288765	53647	5406	761342	2851	8486	965	442767	1275464	1564229
25	TRIPURA	7	1615	201	0	0	1823	0	16	0	3	0	0	0	19	1842
26	UTTARAKHAND	91	44	2391	3	25	2554	16948	93	1518	184	78	142	27629	46592	49146
27	UTTAR PRADESH	22971	107314	1730754	3731	18184	1882954	113695	767687	17444	13776	1302	3182	1127924	2045010	3927964
28	WEST BENGAL	4847	2280	229313	9072	14732	260244	0	0	0	0	0	0	0	0	260244
	Total	738247	409060	9001742	153409	951987	11254445	698904	1002783	1364692	135007	38960	10147	4329262	7579755	18834200

MINOR IRRIGATION CENSUS (2017-18)
Table XIV(B): MINOR IRRIGATION SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO SOURCE OF FINANCE - SURFACE WATER

(In Number)

S.No	State	Surface Water Schemes														
		With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	6	411	1300	1	19	1737	11	143	3	12	0	1	891	1061	2798
2	ANDHRA PRADESH	73	503	6678	613	474	8341	203	276	560	2	56	4	895	1996	10337
3	ARUNACHAL PRADESH	0	0	0	0	0	0	1	18	0	0	0	2	33	54	54
4	ASSAM	0	1	9	0	0	10	8	3	2	0	0	0	4741	4754	4764
5	BIHAR	0	9	11	0	7	27	892	154	90	1300	24	2	1826	4288	4315
6	CHHATISGARH	92	207	833	9	95	1236	832	967	111	263	53	17	7129	9372	10608
7	GOA	17	9	310	0	8	344	47	72	1	5	1	0	901	1027	1371
8	GUJARAT	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2
9	HARYANA	73	12	25	19	20	149	7	0	0	1	0	0	235	243	392
10	HIMACHAL PRADESH	24	412	1466	2	37	1941	94	894	8	48	5	2	1449	2500	4441
11	JAMMU & KASHMIR	0	0	1	0	6	7	0	0	0	0	0	0	6	6	13
12	JHARKHAND	21	2163	344	3	296	2827	257	8201	80	1110	8	57	18001	27714	30541
13	KARNATAKA	11591	764	47678	889	3513	64435	12354	159	998	1418	484	6	11350	26769	91204
14	KERALA	390	255	13410	76	1367	15498	670	701	178	48	29	2	3086	4714	20212
15	MADHYA PRADESH	1208	1043	7620	79	4016	13966	150	102	42	139	21	1	2335	2790	16756
16	MAHARASHTRA	54185	45021	201771	1697	4935	307609	226	9	8	5	2	8	2222	2480	310089
17	MEGHALAYA	1	109	485	1	22	618	4	2	1	0	0	0	685	692	1310
18	MIZORAM	3	1010	869	2	1	1885	15	3	0	4	0	0	0	22	1907
19	NAGALAND	5	687	5121	33	15	5861	23	735	195	6	0	8	1779	2746	8607
20	ODISHA	375	1914	13989	78	263	16619	2009	9783	3922	950	89	94	22552	39399	56018
21	PUDUCHERRY	1	0	0	0	145	146	2	0	1	0	0	0	207	210	356
22	PUNJAB	10	67	631	2	28	738	146	36	74	45	15	0	542	858	1596
23	RAJASTHAN	93	697	2031	7	72	2900	293	1340	270	18	0	11	370	2302	5202

(In Number)

S.No	State	Surface Water Schemes														
		With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
24	SIKKIM	0	4	0	0	0	4	0	0	0	0	0	0	1	1	5
25	TAMIL NADU	98	2261	1335	10	576	4280	140	371	258	111	8	7	2453	3348	7628
26	TELENGANA	237	4406	10137	293	84	15157	3090	823	13826	215	50	89	12144	30237	45394
27	TRIPURA	1	505	213	0	1	720	0	20	0	0	0	0	0	20	740
28	UTTARAKHAND	1	29	12	1	10	53	22	27	103	3	0	0	448	603	656
29	UTTAR PRADESH	215	1618	11816	33	144	13826	1272	252	83	315	102	6	5809	7839	21665
30	WEST BENGAL	99	237	6457	151	2737	9681	0	0	0	0	0	0	0	0	9681
	Total	68819	64354	334554	3999	18891	490617	22768	25091	20814	6018	947	317	102090	178045	668662

MINOR IRRIGATION CENSUS (2017-18)
Table XIV(C): MINOR IRRIGATION SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO SOURCE OF FINANCE - ALL SCHEMES

(In Number)

S.No.	State	Total No. of MI Schemes														
		With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	6	882	1818	1	51	2758	12	162	4	16	0	1	1464	1659	4417
2	ANDHRA PRADESH	25010	5606	619389	53542	31849	735396	48794	12123	151633	1227	14901	883	126804	356365	1091761
3	ARUNACHAL PRADESH	0	0	0	0	0	0	1	18	0	0	0	2	33	54	54
4	ASSAM	169	4	1087	0	26	1286	26	14	14	23	1	1	72313	72392	73678
5	BIHAR	359	587	33837	76	1745	36604	69417	15929	11370	33031	631	517	494285	625180	661784
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
7	CHHATISGARH	390	1757	25546	28	986	28707	12039	13106	1191	1543	101	66	282743	310789	339496
8	GOA	74	42	1496	3	36	1651	236	300	5	27	1	1	2857	3427	5078
9	GUJARAT	72424	25549	552355	5082	591372	1246782	7768	2932	199	305	190	145	49156	60695	1307477
10	HARYANA	1702	2021	26397	729	4762	35611	1451	70	4728	144	284	121	22222	29020	64631
11	HIMACHAL PRADESH	169	463	4333	2	129	5096	771	1159	14	69	6	2	5802	7823	12919
12	JAMMU & KASHMIR	32	347	7936	1	16	8332	0	144	0	0	0	0	1092	1236	9568
13	JHARKHAND	154	7725	978	7	525	9389	2605	45220	401	7683	63	422	57701	114095	123484
14	KARNATAKA	93341	5419	805927	8395	23728	936810	113168	8542	23764	54563	3719	259	203990	408005	1344815
15	KERALA	1156	633	54511	211	3170	59681	2553	4393	746	247	84	22	12285	20330	80011
16	MADHYA PRADESH	93312	23176	1018531	8932	188627	1332578	19973	16572	10987	4187	1140	975	335550	389384	1721962
17	MAHARASHTRA	429019	252587	2431691	20881	61359	3195537	10192	1728	4175	231	54	299	38374	55053	3250590
18	MANIPUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	MEGHALAYA	1	110	1199	1	22	1333	5	2	1	0	0	0	764	772	2105
20	MIZORAM	3	1011	899	2	1	1916	15	3	0	4	0	0	0	22	1938
21	NAGALAND	5	687	5121	33	15	5861	23	735	195	6	0	8	1779	2746	8607
22	ODISHA	3719	14506	100863	220	624	119932	24979	117110	29236	5821	565	716	146434	324861	444793
23	PUDUCHERRY	1	0	1	0	145	147	11	2	1	1	0	0	3959	3974	4121

(In Number)

S.No.	State	Total No. of MI Schemes														
		With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
24	PUNJAB	11017	3716	637360	26772	11928	690793	7179	2353	210653	334	531	1051	245935	468036	1158829
25	RAJASTHAN	31280	2144	135955	4414	4096	177889	151927	4503	26854	4313	6145	110	108734	302586	480475
26	SIKKIM	0	4	0	0	0	4	0	0	0	0	0	0	1	1	5
27	TAMIL NADU	11241	4583	606352	3913	9103	635192	59853	6430	115019	9903	1473	479	600353	793510	1428702
28	TELENGANA	4250	6213	281557	11172	730	303922	56737	6229	775168	3066	8536	1054	454911	1305701	1609623
29	TRIPURA	8	2120	414	0	1	2543	0	36	0	3	0	0	0	39	2582
30	UTTARAKHAND	92	73	2403	4	35	2607	16970	120	1621	187	78	142	28077	47195	49802
31	UTTAR PRADESH	23186	108932	1742570	3764	18328	1896780	114967	767939	17527	14091	1404	3188	1133733	2052849	3949629
32	WEST BENGAL	4946	2517	235770	9223	17469	269925	0	0	0	0	0	0	0	0	269925
	Total	807066	473414	9336296	157408	970878	11745062	721672	1027874	1385506	141025	39907	10464	4431352	7757800	19502862

MINOR IRRIGATION CENSUS (2017-18)
Table XV(A): MINOR IRRIGATION SCHEMES BY TRIBAL & NON-TRIBAL VILLAGES - GROUND WATER

(In Number)

S No.	State	Ground Water Schemes														
		Dugwell			Shallow Tubewell			Medium Tubewell			Deep Tubewell			Total		
		Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	341	2088	2429	0	40	40	0	0	0	0	0	0	341	2,128	2,469
2	ANDHRA PRADESH	2422	168879	171301	3012	195150	198,162	4495	233218	237,713	8588	517005	525,593	18,517	1,114,252	1,132,769
3	ARUNACHAL PRADESH	23	2	25	17	1	18	2	0	2	5	0	5	47	3	50
4	ASSAM	1	37	38	6337	144758	151,095	12	357	369	15	659	674	6,365	145,811	152,176
5	BIHAR	248	15678	15926	5919	177959	183,878	14461	441189	455,650	660	35117	35,777	21,288	669,943	691,231
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	30	30	0	30	30
7	CHHATISGARH	21920	9494	31414	6599	21276	27,875	42335	114609	156,944	23088	94266	117,354	93,942	239,645	333,587
8	GOA	42	3890	3932	1	70	71	0	21	21	0	7	7	43	3,988	4,031
9	GUJARAT	113451	268835	382286	107336	195909	303,245	90337	299919	390,256	23641	255399	279,040	334,765	1,020,062	1,354,827
10	HARYANA	42	963	1005	2367	18525	20,892	4116	45379	49,495	4700	143335	148,035	11,225	208,202	219,427
11	HIMACHAL PRADESH	8	423	431	11	5244	5,255	10	3590	3,600	73	1332	1,405	102	10,589	10,691
12	JAMMU & KASHMIR	107	4618	4725	36	4730	4,766	8	310	318	0	661	661	151	10,319	10,470
13	JHARKHAND	73196	86881	160077	920	691	1,611	564	645	1,209	238	282	520	74,918	88,499	163,417
14	KARNATAKA	3014	131589	134603	1415	113708	115,123	21519	675183	696,702	2914	327910	330,824	28,862	1,248,390	1,277,252
15	KERALA	1286	50849	52135	100	3046	3,146	144	5157	5,301	36	1835	1,871	1,566	60,887	62,453
16	MADHYA PRADESH	1298014	38668	1336682	403006	16454	419,460	233956	9825	243,781	225482	7238	232,720	2,160,458	72,185	2,232,643
17	MAHARASHTRA	49771	2699317	2749088	3722	127378	131,100	2155	172039	174,194	1103	178480	179,583	56,751	3,177,214	3,233,965
18	MEGHALAYA	149	0	149	140	663	803	0	0	0	5	0	5	294	663	957
19	MIZORAM	34	0	34	4	0	4	23	0	23	0	0	0	61	0	61
20	NAGALAND	12	0	12	10	0	10	3	0	3	10	0	10	35	0	35
21	ODISHA	84759	180795	265554	3029	39414	42,443	10930	35620	46,550	9771	51663	61,434	108,489	307,492	415,981
22	PUDUCHERRY	0	37	37	0	591	591	0	1827	1,827	0	1341	1,341	0	3,796	3,796
23	PUNJAB	0	0	0	2171	179018	181,189	4915	414023	418,938	8728	564902	573,630	15,814	1,157,943	1,173,757
24	RAJASTHAN	127619	707222	834841	2491	18926	21,417	16477	123903	140,380	44177	434109	478,286	190,764	1,284,160	1,474,924
25	TAMIL NADU	151829	1425369	1577198	8216	80810	89,026	8133	102527	110,660	21484	272450	293,934	189,662	1,881,156	2,070,818
26	TELENGANA	17298	440486	457784	7128	69662	76,790	26306	650850	677,156	7069	360450	367,519	57,801	1,521,448	1,579,249

(In Number)

S No.	State	Ground Water Schemes														
		Dugwell			Shallow Tubewell			Medium Tubewell			Deep Tubewell			Total		
		Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
27	TRIPURA	1	3	4	257	752	1,009	506	962	1,468	62	204	266	826	1,921	2,747
28	UTTARAKHAND	8	403	411	6170	38668	44,838	65	4938	5,003	277	1462	1,739	6,520	45,471	51,991
29	UTTAR PRADESH	5864	79360	85224	23997	3309682	3,333,679	3302	415014	418,316	848	106035	106,883	34,011	3,910,091	3,944,102
30	WEST BENGAL	0	11080	11080	0	227516	227,516	0	82266	82,266	0	11061	11,061	0	331,923	331,923
	Total	1951459	6326966	8278425	594411	4990641	5585052	484774	3833371	4318145	382974	3367233	3750207	3413618	18518211	21931829

MINOR IRRIGATION CENSUS (2017-18)
Table XV (B): MINOR IRRIGATION SCHEMES BY TRIBAL & NON-TRIBAL VILLAGES - SURFACE WATER

(In Number)

S No.	State	Surface Water Schemes								
		Surface Flow Schemes			Surface Lift Schemes			Total		
		Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	4	64	68	14	3415	3429	18	3479	3497
2	ANDHRA PRADESH	6009	41581	47590	873	9732	10605	6882	51313	58195
3	ARUNACHAL PRADESH	3349	17	3366	2	0	2	3351	17	3368
4	ASSAM	1272	811	2083	297	7273	7570	1569	8084	9653
5	BIHAR	455	4090	4545	187	4672	4859	642	8762	9404
6	CHHATISGARH	2400	1845	4245	9212	2878	12090	11612	4723	16335
7	GOA	54	976	1030	18	1054	1072	72	2030	2102
8	GUJARAT	8117	16000	24117	4565	12576	17141	12682	28576	41258
9	HARYANA	0	98	98	34	603	637	34	701	735
10	HIMACHAL PRADESH	1783	19906	21689	17	280	297	1800	20186	21986
11	JAMMU & KASHMIR	244	2297	2541	1	100	101	245	2397	2642
12	JHARKHAND	39556	32405	71961	10426	6859	17285	49982	39264	89246
13	KARNATAKA	2398	72675	75073	760	52130	52890	3158	124805	127963
14	KERALA	310	7959	8269	901	20951	21852	1211	28910	30121
15	MADHYA PRADESH	19276	280	19556	32533	560	33093	51809	840	52649
16	MAHARASHTRA	2838	96783	99621	2998	236280	239278	5836	333063	338899
17	MANIPUR	473	300	773	1	196	197	474	496	970
18	MEGHALAYA	4482	11	4493	3	0	3	4485	11	4496
19	MIZORAM	2418	1	2419	0	0	0	2418	1	2419
20	NAGALAND	19135	18	19153	46	0	46	19181	18	19199
21	ODISHA	16594	14107	30701	22966	40933	63899	39560	55040	94600
22	PUDUCHERRY	0	705	705	0	0	0	0	705	705
23	PUNJAB	1	323	324	0	1408	1408	1	1731	1732
24	RAJASTHAN	862	1812	2674	5434	8041	13475	6296	9853	16149

(In Number)

S No.	State	Surface Water Schemes								
		Surface Flow Schemes			Surface Lift Schemes			Total		
		Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
25	SIKKIM	279	1287	1566	0	0	0	279	1287	1566
26	TAMIL NADU	3372	36339	39711	474	3906	4380	3846	40245	44091
27	TELENGANA	7449	55304	62753	5475	32391	37866	12924	87695	100619
28	TRIPURA	153	207	360	806	1360	2166	959	1567	2526
29	UTTARAKHAND	2188	35672	37860	15	598	613	2203	36270	38473
30	UTTAR PRADESH	561	3864	4425	1213	26577	27790	1774	30441	32215
31	WEST BENGAL	0	17059	17059	0	21930	21930	0	38989	38989
	Total	146032	464796	610828	99271	496703	595974	245303	961499	1206802

MINOR IRRIGATION CENSUS (2017-18)
Table XVI(A): NUMBER OF IN USE GROUND WATER SCHEMES AND IRRIGATION POTENTIAL UTILISED BY WATER DISTRIBUTION DEVICE

(In Number/Area in Ha)

S.No.	State	Ground Water Schemes According to Water Distribution System															
		Open Water Channel (Pucca)		Open Water Channel (Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	47	28.32	260	113.13	11	3.70	985	626.41	0	0.00	0	0.00	984	385.30	2287	1156.86
2	ANDHRA PRADESH	41490	61385.73	390866	535716.10	114801	167713.27	218738	284955.40	147327	208692.74	11763	16380.43	4393	7946.08	929378	1282789.75
3	ARUNACHAL PRADESH	11	595.00	7	54.00	2	23.00	1	18.00	0	0.00	0	0.00	0	0.00	21	690.00
4	ASSAM	7805	19716.25	129175	164288.08	8965	5279.85	1405	1599.02	8	114.18	16	593.43	1014	1597.98	148388	193188.79
5	BIHAR	5288	27061.37	42595	297215.17	41177	362805.65	590324	3737555.45	663	3027.58	97	486.21	4036	29079.41	684180	4457230.84
6	CHANDIGARH	1	96.00	1	5.66	28	1667.28	0	0.00	0	0.00	0	0.00	0	0.00	30	1768.94
7	CHHATISGARH	28551	69729.35	96307	179910.05	10415	24149.95	175414	446842.48	1738	4864.57	10957	34431.18	8987	22441.90	332369	782369.48
8	GOA	239	180.66	912	622.08	134	132.91	903	505.87	87	154.08	1247	1280.82	421	141.00	3943	3017.42
9	GUJARAT	56395	157940.11	491558	1344769.65	63428	195636.87	624162	1572158.70	92736	209577.60	7323	11912.27	4987	14467.02	1340589	3506462.22
10	HARYANA	17308	143064.17	114231	931090.67	71068	633925.10	3326	20026.91	158	909.58	12070	78955.78	1155	7243.92	219316	1815216.13
11	HIMACHAL PRADESH	680	6094.52	5722	18785.27	1414	24723.38	2759	7149.47	4	3.76	15	47.63	40	94.38	10634	56898.41
12	JAMMU & KASHMIR	678	1190.91	7559	15442.70	15	26.96	2081	2682.57	3	2.15	1	2.00	124	182.67	10461	19529.96
13	JHARKHAND	2806	4795.02	93531	121157.70	1981	2347.31	45956	71111.87	273	451.31	204	444.82	16561	18252.68	161312	218560.71
14	KARNATAKA	185004	218147.20	58556	184221.53	614628	1320874.39	167939	260157.13	185306	254195.39	41478	74639.76	20292	29279.09	1273203	2341514.49
15	KERALA	2146	1223.39	12222	6972.44	5613	3113.18	36553	19087.89	1271	1428.17	2091	1300.04	2304	1195.98	62200	34321.09
16	MADHYA PRADESH	15652	48268.10	373376	1026921.23	304985	950481.10	1328575	4515189.66	24110	82696.66	143215	516627.07	15965	42506.12	2205878	7182689.94
17	MAHARASHTRA	90044	188568.32	758080	1237865.39	2043499	4072625.31	187207	315443.28	24866	42855.79	16217	26961.46	96095	159617.63	3216008	6043937.18
18	MEGHALAYA	10	32.00	788	1996.50	1	2.50	2	2.50	0	0.00	0	0.00	151	0.00	952	2033.50
19	MIZORAM	0	0.0	26	0.00	2	0.00	10	0.00	0	0.00	0	0.00	2	0.80	40	0.80
20	NAGALAND	6	47.00	3	28.00	0	0.00	0	0.00	0	0.00	0	0.00	21	46.00	30	121.00
21	ODISHA	15156	19596.61	174413	325478.67	8019	28692.64	165710	225125.34	1088	1728.32	3560	1674.29	9595	6872.91	377541	609168.78
22	PUDUCHERRY	3203	7037.01	212	516.34	205	494.69	51	158.44	0	0.00	0	0.00	0	0.00	3671	8206.48
23	PUNJAB	101949	480761.93	1036934	5276189.37	30406	189546.83	55	295.31	69	297.75	19	78.60	4097	14888.47	1173529	5962058.26
24	RAJASTHAN	43501	148903.52	274445	865956.62	171016	686269.94	491569	1918301.91	20089	77062.92	440611	3186284.71	1509	8052.44	1442740	6890832.06

(In Number/Area in Ha)

S.No.	State	Ground Water Schemes According to Water Distribution System															
		Open Water Channel (Pucca)		Open Water Channel (Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
25	TAMIL NADU	481098	1263031.34	972512	2562379.55	247695	795800.12	48423	149201.37	118628	378325.97	3519	6174.38	25738	55663.34	1897613	5210576.07
26	TELENGANA	213160	329030.16	365570	496711.55	657070	952868.52	221748	324334.52	42033	67870.97	27719	43441.73	1480	3041.33	1528780	2217298.78
27	TRIPURA	49	136.20	904	2056.97	1098	10087.42	127	276.60	0	0.00	0	0.00	3	17.00	2181	12574.19
28	UTTARAKHAND	4184	48770.32	47319	267616.29	155	1277.35	47	264.37	1	4.90	0	0.00	27	258.32	51733	318191.55
29	UTTAR PRADESH	91191	659306.88	1944532	9093454.83	39221	302650.65	1775677	7564789.07	4047	15058.63	12886	76292.46	31546	280235.80	3899100	17991788.32
30	WEST BENGAL	32837	176295.44	140807	825506.11	23051	238156.82	108638	583150.13	1117	7559.07	1992	9938.37	7491	31849.65	315933	1872455.59
	Total	1440489	4081032.83	7533423	25783041.65	4460103	10971376.69	6198385	22021009.67	665622	1356882.09	737000	4087947.44	259018	735357.22	21294040	69036647.59

MINOR IRRIGATION CENSUS (2017-18)
Table XVI(B): NUMBER OF IN USE SURFACE WATER SCHEMES AND IRRIGATION POTENTIAL UTILISED BY WATER DISTRIBUTION DEVICE

(In Number/Area in Ha)

S.No.	State	Surface Water Schemes According to Water Distribution System															
		Open Water Channel (Pucca)		Open Water Channel (Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	9	6.50	23	13.50	5	3.10	2429	2086.25	2	0.90	2	1.30	848	402.29	3318	2513.84
2	ANDHRA PRADESH	4756	103958.43	33592	442435.40	2751	21673.53	3460	26147.99	983	6643.00	228	756.71	777	11308.95	46547	612924.01
3	ARUNACHAL PRADESH	658	6429.26	1803	11722.98	0	0.00	34	285.90	0	0.00	0	0.00	1	1.60	2496	18439.74
4	ASSAM	801	74076.12	7922	37120.14	92	9130.16	155	447.20	0	0.00	2	221.90	112	7401.58	9084	128397.10
5	BIHAR	416	2897.44	2860	44780.54	105	1062.49	5418	54791.45	19	172.55	1	5.00	223	2841.68	9042	106551.15
6	CHHATISGARH	968	14375.85	6144	32073.33	819	3456.85	7318	19217.55	26	99.73	5	2.30	707	3404.76	15987	72630.37
7	GOA	196	875.84	1064	1459.47	34	58.26	134	346.51	23	57.20	382	823.31	241	458.00	2074	4078.59
8	GUJARAT	1	1.77	24116	23735.71	0	0.00	17138	23283.31	0	0.00	0	0.00	0	0.00	41255	47020.79
9	HARYANA	255	1429.78	340	2124.98	41	416.20	10	78.80	0	0.00	64	526.00	7	22.42	717	4598.18
10	HIMACHAL PRADESH	4372	57565.45	5644	40052.21	554	5799.50	9895	11687.99	90	131.90	267	370.75	406	2628.32	21228	118236.12
11	JAMMU & KASHMIR	294	21309.26	2001	158720.90	7	45.50	5	56.00	0	0.00	0	0.00	329	22061.08	2636	202192.74
12	JHARKHAND	2302	11960.55	49490	131853.96	849	3408.50	22479	69863.76	125	373.77	62	192.32	10856	24862.49	86163	242515.35
13	KARNATAKA	25382	37519.11	10544	27448.97	59882	155060.17	11503	25675.65	3134	3974.49	4419	10664.99	11479	23356.84	126343	283700.22
14	KERALA	2095	33712.01	8593	57174.34	1235	8047.69	13202	28410.36	261	426.11	1548	2015.54	2747	9455.30	29681	139241.35
15	MADHYA PRADESH	1084	30668.40	6528	37257.66	7672	26016.34	31329	113054.20	197	319.60	3035	2714.04	1617	14576.91	51462	224607.15
16	MAHARASHTRA	23583	210900.13	65942	176232.73	217900	415197.12	18524	38206.06	664	1625.39	1725	4729.51	9292	70807.12	337630	917698.06
17	MANIPUR	519	12756.00	222	5669.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	741	18425.00
18	MEGHALAYA	728	19705.77	2603	22550.83	42	157.10	417	15196.17	22	1071.00	0	0.00	390	4191.33	4202	62872.20
19	MIZORAM	172	5261.30	609	1477.39	2	44.00	1573	4193.17	3	5.90	2	3.50	1	50.00	2362	11035.26
20	NAGALAND	1294	8021.26	16495	48160.96	12	26.88	5	76.00	6	12.34	3	52.85	7	40.00	17822	56390.29
21	ODISHA	6284	99647.06	43671	311174.45	3587	54711.87	33623	97593.45	125	977.26	548	1303.04	1582	9813.08	89420	575220.21
22	PUDUCHERRY	477	13280.33	158	1080.79	0	0.00	0	0.00	0	0.00	0	0.00	68	226.56	703	14587.68
23	PUNJAB	342	3869.06	1033	8576.95	95	1085.97	132	375.06	1	12.00	0	0.00	38	212.71	1641	14131.75
24	RAJASTHAN	1221	42960.39	1220	22213.32	513	5064.32	10602	54176.29	79	1166.80	645	2991.55	451	3114.79	14731	131687.46
25	SIKKIM	785	10431.81	192	2115.40	1	8.79	0	0.00	0	0.00	0	0.00	1	2.73	979	12558.73
26	TAMIL NADU	10378	104778.84	17797	201881.26	751	8020.28	3642	17705.25	234	388.83	288	1998.96	3529	26818.55	36619	361591.97

(In Number/Area in Ha)

S.No.	State	Surface Water Schemes According to Water Distribution System															
		Open Water Channel (Pucca)		Open Water Channel (Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
27	TELENGANA	17699	166303.76	33407	381751.53	17938	37605.69	11073	41119.29	825	2335.66	3804	7282.50	7565	6574.66	92311	642973.09
28	TRIPURA	107	8597.84	610	2381.73	1403	73430.65	247	599.58	0	0.00	0	0.00	11	164.85	2378	85174.65
29	UTTARAKHAND	21885	227477.27	1370	26775.23	241	1112.88	1547	6070.69	25	59.38	3	19.56	2049	15410.57	27120	276925.58
30	UTTAR PRADESH	1020	10629.24	6376	61232.42	333	2494.00	20890	123278.28	198	1559.00	660	5979.83	533	2153.02	30010	207325.79
31	WEST BENGAL	1463	20663.40	12398	92060.88	2962	96895.71	16496	77305.27	42	244.14	154	2068.37	3663	16735.46	37178	305973.23
	Total	131546	1362069.23	364767	2413308.96	319826	930033.55	243280	851327.48	7084	21656.95	17847	44723.83	59530	279097.65	1143880	5902217.65

MINOR IRRIGATION CENSUS (2017-18)
Table XVI(C): NUMBER OF MINOR IRRIGATION SCHEMES AND IRRIGATION POTENTIAL UTILISED BY WATER DISTRIBUTION DEVICE - ALL SCHEMES

(In Number/Area in Ha)

S.No.	State	Minor Irrigation Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	56	34.82	283	126.63	16	6.80	3414	2712.66	2	0.90	2	1.30	1832	787.59	5,605	3670.70
2	ANDHRA PRADESH	46246	165344.16	424458	978151.50	117552	189386.80	222198	311103.39	148310	215335.74	11991	17137.14	5170	19255.03	975,925	1895713.76
3	ARUNACHAL PRADESH	669	7024.26	1810	11776.98	2	23.00	35	303.90	0	0.00	0	0.00	1	1.60	2,517	19129.74
4	ASSAM	8606	93792.37	137097	201408.22	9057	14410.01	1560	2046.22	8	114.18	18	815.33	1126	8999.56	157,472	321585.89
5	BIHAR	5704	29958.81	45455	341995.71	41282	363868.14	595742	3792346.90	682	3200.13	98	491.21	4259	31921.09	693,222	4563781.99
6	CHANDIGARH	1	96.00	1	5.66	28	1667.28	0	0.00	0	0.00	0	0.00	0	0.00	30	1768.94
7	CHHATISGARH	29519	84105.20	102451	211983.38	11234	27606.80	182732	466060.03	1764	4964.30	10962	34433.48	9694	25846.66	348,356	854999.85
8	GOA	435	1056.50	1976	2081.55	168	191.17	1037	852.38	110	211.28	1629	2104.13	662	599.00	6,017	7096.01
9	GUJARAT	56396	157941.88	515674	1368505.36	63428	195636.87	641300	1595442.01	92736	209577.60	7323	11912.27	4987	14467.02	1,381,844	3553483.01
10	HARYANA	17563	144493.95	114571	933215.65	71109	634341.30	3336	20105.71	158	909.58	12134	79481.78	1162	7266.34	220,033	1819814.31
11	HIMACHAL PRADESH	5052	63659.97	11366	58837.48	1968	30522.88	12654	18837.46	94	135.66	282	418.38	446	2722.70	31,862	175134.53
12	JAMMU & KASHMIR	972	22500.17	9560	174163.60	22	72.46	2086	2738.57	3	2.15	1	2.00	453	22243.75	13,097	221722.70
13	JHARKHAND	5108	16755.57	143021	253011.66	2830	5755.81	68435	140975.63	398	825.08	266	637.14	27417	43115.17	247,475	461076.06
14	KARNATAKA	210386	255666.31	69100	211670.50	674510	1475934.56	179442	285832.78	188440	258169.88	45897	85304.75	31771	52635.93	1,399,546	2625214.71
15	KERALA	4241	34935.40	20815	64146.78	6848	11160.87	49755	47498.25	1532	1854.28	3639	3315.58	5051	10651.28	91,881	173562.44
16	MADHYA PRADESH	16736	78936.50	379904	1064178.89	312657	976497.44	1359904	4628243.86	24307	83016.26	146250	519341.11	17582	57083.03	2,257,340	7407297.09
17	MAHARASHTRA	113627	399468.45	824022	1414098.12	2261399	4487822.43	205731	353649.34	25530	44481.18	17942	31690.97	105387	230424.75	3,553,638	696162435.
18	MANIPUR	519	12756.00	222	5669.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	741	18425.00
19	MEGHALAYA	738	19737.77	3391	24547.33	43	159.60	419	15198.67	22	1071.00	0	0.00	541	4191.33	5,154	64905.70
20	MIZORAM	172	5261.30	635	1477.39	4	44.00	1583	4193.17	3	5.90	2	3.50	3	50.80	2,402	11036.06
21	NAGALAND	1300	8068.26	16498	48188.96	12	26.88	5	76.00	6	12.34	3	52.85	28	86.00	17,852	56511.29
22	ODISHA	21440	119243.67	218084	636653.12	11606	83404.51	199333	322718.79	1213	2705.58	4108	2977.33	11177	16685.99	466,961	1184388.99
23	PUDUCHERRY	3680	20317.34	370	1597.13	205	494.69	51	158.44	0	0.00	0	0.00	68	226.56	4,374	22794.16
24	PUNJAB	102291	484630.99	1037967	5284766.32	30501	190632.80	187	670.37	70	309.75	19	78.60	4135	15101.18	1,175,170	5976190.01
25	RAJASTHAN	44722	191863.91	275665	888169.94	171529	691334.26	502171	1972478.20	20168	78229.72	441256	3189276.26	1960	11167.23	1,457,471	7022519.52
26	SIKKIM	785	10431.81	192	2115.40	1	8.79	0	0.00	0	0.00	0	0.00	1	2.73	979	12558.73

(In Number/Area in Ha)

S.No.	State	Minor Irrigation Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
27	TAMIL NADU	491476	1367810.18	990309	2764260.81	248446	803820.40	52065	166906.62	118862	378714.80	3807	8173.34	29267	82481.89	1,934,232	5572168.04
28	TELENGANA	230859	495333.92	398977	878463.08	675008	990474.21	232821	365453.81	42858	70206.63	31523	50724.23	9045	9615.99	1,621,091	2860271.87
29	TRIPURA	156	8734.04	1514	4438.70	2501	83518.07	374	876.18	0	0.00	0	0.00	14	181.85	4,559	97748.84
30	UTTARAKHAND	26069	276247.59	48689	294391.52	396	2390.23	1594	6335.06	26	64.28	3	19.56	2076	15668.89	78,853	595117.13
31	UTTAR PRADESH	92211	669936.12	1950908	9154687.25	39554	305144.65	1796567	7688067.35	4245	16617.63	13546	82272.29	32079	282388.82	3,929,110	18199114.11
32	WEST BENGAL	34300	196958.84	153205	917566.99	26013	335052.53	125134	660455.40	1159	7803.21	2146	12006.74	11154	48585.11	353,111	2178428.82
	Total	1572035	5443102.06	7898190	28196350.61	4779929	11901410.24	6441665	22872337.15	672706	1378539.04	754847	4132671.27	318548	1014454.87	22437920	74938865.24

MINOR IRRIGATION CENSUS (2017-18)
Table XVII: NUMBER OF TRIBAL VILLAGES HAVING MAJOR/MEDIUM IRRIGATION SCHEMES, MINOR IRRIGATION SCHEMES AND NO IRRIGATION SCHEMES

(In Number)

S.No.	State	Only Major / Medium Scheme	Only Minor Irrigation Scheme	Both Major/Medium & MI Scheme	No Irrigation Scheme
(1)	(2)	(3)	(4)	(5)	(6)
1	ANDAMAN & NICOBAR ISLANDS	0	41	0	26
2	ANDHRA PRADESH	24	2774	146	874
3	ARUNACHAL PRADESH	0	1760	0	34
4	ASSAM	41	1909	11	2426
5	BIHAR	2	1309	40	226
6	CHANDIGARH	0	0	0	0
7	CHHATISGARH	12	7786	336	2367
8	GOA	1	6	0	0
9	GUJARAT	110	3936	1610	230
10	HARYANA	1	262	72	1
11	HIMACHAL PRADESH	4	647	10	1067
12	JAMMU & KASHMIR	0	127	3	324
13	JHARKHAND	7	14494	268	2062
14	KARNATAKA	0	642	9	3
15	KERALA	0	24	9	0
16	MADHYA PRADESH	1	53517	7	1467
17	MAHARASHTRA	10	1732	111	434
18	MANIPUR	0	340	0	1809
19	MEGHALAYA	4	1959	149	4464
20	MIZORAM	0	296	0	532
21	NAGALAND	0	1091	1	5
22	ODISHA	70	16314	878	3144
23	PUDUCHERRY	0	0	0	0
24	PUNJAB	0	139	16	2

(In Number)

S.No.	State	Only Major / Medium Scheme	Only Minor Irrigation Scheme	Both Major/Medium & MI Scheme	No Irrigation Scheme
(1)	(2)	(3)	(4)	(5)	(6)
25	RAJASTHAN	120	6696	790	273
26	SIKKIM	0	114	0	115
27	TAMIL NADU	3	1513	113	101
28	TELENGANA	20	974	147	109
29	TRIPURA	2	429	6	136
30	UTTARAKHAND	0	594	4	151
31	UTTAR PRADESH	14	642	158	122
32	WEST BENGAL	0	0	0	0
	Total	446	122067	4894	22504

MINOR IRRIGATION CENSUS (2017-18)
Table XVIII: NUMBER OF MINOR IRRIGATION SCHEMES IN THE COMMAND AREA OF MAJOR/MEDIUM IRRIGATION SCHEMES BY REASONS

(In Number)

S.No.	State	GROUND WATER					SURFACE WATER				
		Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water availabl e but not useable for irrigation	Other reasons	Total (Col 3 to 6)	Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (col. 8 to 11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	ANDAMAN & NICOBAR ISLANDS	0	0	0	0	0	1	1	0	1	3
2	ANDHRA PRADESH	71333	60034	2873	28263	162503	5219	2031	65	1396	8711
3	ARUNACHAL PRADESH	0	0	0	1	1	0	0	0	0	0
4	ASSAM	391	65	74	1023	1553	12	2	2	102	118
5	BIHAR	2505	3339	366	4282	10492	207	68	2	93	370
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0
7	CHHATISGARH	1230	9843	32	4369	15474	78	156	5	166	405
8	GOA	90	23	0	5	118	100	12	0	21	133
9	GUJARAT	83160	1298	5	49767	134230	1	0	0	0	1
10	HARYANA	1839	8714	118	12684	23355	4	3	0	1	8
11	HIMACHAL PRADESH	24	145	0	8	177	3	10	1	19	33
12	JAMMU & KASHMIR	1	0	0	0	1	4	0	0	9	13
13	JHARKHAND	53	147	1	130	331	64	106	9	80	259
14	KARNATAKA	3516	7180	50	6700	17446	1268	983	32	1923	4206
15	KERALA	1421	1439	80	282	3222	769	908	82	292	2051
16	MADHYA PRADESH	2304	592335	164	6259	601062	1239	9	2	80	1330
17	MAHARASHTRA	211	375	3	245328	245917	22	6	3	86086	86117
18	MANIPUR	0	0	0	0	0	0	0	0	0	0

(In Number)

S.No.	State	GROUND WATER					SURFACE WATER				
		Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water availabl e but not useable for irrigation	Other reasons	Total (Col 3 to 6)	Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (col. 8 to 11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
19	MEGHALAYA	0	0	0	0	0	0	0	0	1	1
20	MIZORAM	0	0	0	0	0	0	0	0	7	7
21	NAGALAND	0	0	0	0	0	2	155	0	0	157
22	ODISHA	32553	10753	614	9759	53679	6374	3716	830	2024	12944
23	PUDUCHERRY	0	0	0	0	0	0	1	0	0	1
24	PUNJAB	7229	91917	1349	17705	118200	12	20	0	21	53
25	RAJASTHAN	18034	28532	451	17204	64221	2006	323	12	100	2441
26	SIKKIM	0	0	0	0	0	0	0	0	0	0
27	TAMIL NADU	11214	51280	2831	19078	84403	651	1110	79	633	2473
28	TELENGANA	44865	124712	1997	22895	194469	3123	9578	425	2936	16062
29	TRIPURA	0	0	0	0	0	0	0	0	88	88
30	UTTARAKHAND	3	0	0	0	3	11	5	1	73	90
31	UTTAR PRADESH	8400	5948	316	18259	32923	1440	296	12	1394	3142
32	WEST BENGAL	0	0	0	2654	2654	0	0	0	947	947
	Total	290376	998079	11324	466655	1766434	22610	19499	1562	98493	142164

Dugwells Tables

MINOR IRRIGATION CENSUS (2017-18)

Table.1.1 NUMBER OF DUGWELLS BY TYPE

S.No.	State	Pucca	Kutcha	Dug- cum bore well	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	2121	291	11	6	2429
2	ANDHRA PRADESH	89622	61104	18329	2246	171301
3	ARUNACHAL PRADESH	25	0	0	0	25
4	ASSAM	15	11	3	9	38
5	BIHAR	12044	822	2433	627	15926
6	CHHATISGARH	23597	6780	945	92	31414
7	GOA	2700	1119	83	30	3932
8	GUJARAT	380253	112	1909	12	382286
9	HARYANA	326	395	275	9	1005
10	HIMACHAL PRADESH	246	23	155	7	431
11	JAMMU & KASHMIR	17	40	4667	1	4725
12	JHARKHAND	154510	3752	1361	454	160077
13	KARNATAKA	79107	38810	9801	6885	134603
14	KERALA	44963	6257	339	576	52135
15	MADHYA PRADESH	634927	222732	457523	21500	1336682
16	MAHARASHTRA	2116786	619913	5633	6756	2749088
17	MEGHALAYA	97	48	0	4	149
18	MIZORAM	1	32	1	0	34
19	NAGALAND	2	9	1	0	12
20	ODISHA	194459	67229	3241	625	265554
21	PUDUCHERRY	8	5	24	0	37
22	RAJASTHAN	621517	61795	151357	172	834841
23	TAMIL NADU	1118498	341812	78156	38732	1577198
24	TELENGANA	81382	360341	12148	3913	457784
25	TRIPURA	4	0	0	0	4

S.No.	State	Pucca	Kutcha	Dug- cum bore well	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
26	UTTARAKHAND	36	1	372	2	411
27	UTTAR PRADESH	74045	1967	9064	148	85224
28	WEST BENGAL	6062	2308	2225	485	11080
	Total	5637370	1797708	760056	83291	8278425

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.2: DISTRIBUTION OF DUGWELLS ACCORDING TO OWNERSHIP

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	192	10	406	58	666	182	1581	1763	2429
2	ANDHRA PRADESH	726	96	176	794	1792	19929	149580	169509	171301
3	ARUNACHAL PRADESH	24	1	0	0	25	0	0	0	25
4	ASSAM	3	0	0	6	9	17	12	29	38
5	BIHAR	2431	371	188	65	3055	78	12793	12871	15926
6	CHHATISGARH	67	42	38	78	225	545	30644	31189	31414
7	GOA	52	8	6	44	110	172	3650	3822	3932
8	GUJARAT	7984	920	570	40	9514	2262	370510	372772	382286
9	HARYANA	2	1	33	21	57	784	164	948	1005
10	HIMACHAL PRADESH	24	21	20	8	73	75	283	358	431
11	JAMMU & KASHMIR	7	1	2	6	16	447	4262	4709	4725
12	JHARKHAND	42908	6452	5054	9499	63913	4965	91199	96164	160077
13	KARNATAKA	842	1916	76	5781	8615	7168	118820	125988	134603
14	KERALA	102	21	632	480	1235	673	50227	50900	52135
15	MADHYA PRADESH	16028	4014	8452	9284	37778	362459	936445	1298904	1336682
16	MAHARASHTRA	4511	1830	1165	1073	8579	233253	2507256	2740509	2749088
17	MEGHALAYA	83	0	0	18	101	48	0	48	149
18	MIZORAM	1	0	2	0	3	0	31	31	34
19	NAGALAND	1	0	0	0	1	11	0	11	12
20	ODISHA	9862	664	5233	1308	17067	2578	245909	248487	265554

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
21	PUDUCHERRY	0	0	0	1	1	0	36	36	37
22	RAJASTHAN	7310	687	787	3650	12434	637983	184424	822407	834841
23	TAMIL NADU	5231	3620	4392	14310	27553	533496	1016149	1549645	1577198
24	TELENGANA	219	59	113	149	540	5691	451553	457244	457784
25	TRIPURA	2	0	0	0	2	0	2	2	4
26	UTTARAKHAND	12	0	4	2	18	0	393	393	411
27	UTTAR PRADESH	823	171	914	174	2082	512	82630	83142	85224
28	WEST BENGAL	1990	253	1055	839	4137	1174	5769	6943	11080
	Total	101437	21158	29318	47688	199601	1814502	6264322	8078824	8278425

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.3.1: DISTRIBUTION OF DUGWELL ACCORDING TO SOCIAL STATUS OF OWNER

(In Number)

S.No.	State	No. of Dug wells owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	0	187	570	824	1581	848	2429
2	ANDHRA PRADESH	12349	5351	79670	52210	149580	21721	171301
3	ARUNACHAL PRADESH	0	0	0	0	0	25	25
4	ASSAM	0	0	2	10	12	26	38
5	BIHAR	1710	495	6400	4188	12793	3133	15926
6	CHHATISGARH	1714	16301	11062	1567	30644	770	31414
7	GOA	93	619	820	2118	3650	282	3932
8	GUJARAT	93852	89808	91156	95694	370510	11776	382286
9	HARYANA	14	0	15	135	164	841	1005
10	HIMACHAL PRADESH	54	7	85	137	283	148	431
11	JAMMU & KASHMIR	870	59	436	2897	4262	463	4725
12	JHARKHAND	10031	34483	37960	8725	91199	68878	160077
13	KARNATAKA	5748	3457	42431	67184	118820	15783	134603
14	KERALA	1086	269	21649	27223	50227	1908	52135
15	MADHYA PRADESH	77032	183949	581261	94203	936445	400237	1336682
16	MAHARASHTRA	335333	367738	882809	921376	2507256	241832	2749088
17	MEGHALAYA	0	0	0	0	0	149	149
18	MIZORAM	1	30	0	0	31	3	34

(In Number)

S.No.	State	No. of Dug wells owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
19	NAGALAND	0	0	0	0	0	12	12
20	ODISHA	34297	67662	118951	24999	245909	19645	265554
21	PUDUCHERRY	1	0	35	0	36	1	37
22	RAJASTHAN	21753	27970	93652	41049	184424	650417	834841
23	TAMIL NADU	81230	13505	794212	127202	1016149	561049	1577198
24	TELENGANA	51219	57807	247759	94768	451553	6231	457784
25	TRIPURA	0	2	0	0	2	2	4
26	UTTARAKHAND	35	26	59	273	393	18	411
27	UTTAR PRADESH	19320	1746	47035	14529	82630	2594	85224
28	WEST BENGAL	1528	597	1855	1789	5769	5311	11080
	Total	749270	872068	3059884	1583100	6264322	2014103	8278425

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.3.2: DISTRIBUTION OF DUGWELL ACCORDING TO SOCIAL STATUS OF FEMALE OWNER

(In Number)

S.No.	State	No. of Dug wells owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	1	148	181	330
2	ANDHRA PRADESH	2296	895	10094	8071	21356
3	ASSAM	0	0	0	1	1
4	BIHAR	126	43	297	141	607
5	CHHATISGARH	144	1219	741	154	2258
6	GOA	5	58	116	214	393
7	GUJARAT	17243	16325	16744	16901	67213
8	HARYANA	0	0	0	2	2
9	HIMACHAL PRADESH	2	1	5	6	14
10	JAMMU & KASHMIR	10	2	7	33	52
11	JHARKHAND	474	1472	1495	340	3781
12	KARNATAKA	1182	659	7480	10879	20200
13	KERALA	225	70	4547	5468	10310
14	MADHYA PRADESH	56172	140290	434503	62251	693216
15	MAHARASHTRA	65139	72997	210189	331651	679976
16	MIZORAM	0	11	0	0	11
17	ODISHA	1469	1781	5393	593	9236
18	PUDUCHERRY	0	0	4	0	4
19	RAJASTHAN	2277	2215	8418	5111	18021
20	TAMIL NADU	10317	1896	83461	13456	109130
21	TELENGANA	7364	8176	33990	15247	64777
22	UTTARAKHAND	2	2	5	13	22
23	UTTAR PRADESH	840	65	1399	451	2755
24	WEST BENGAL	33	22	42	90	187
	Total	165320	248200	819078	471254	1703852

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.4.1: DISTRIBUTION OF DUGWELLS ACCORDING TO THE INDIVIDUAL OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Dug wells by size class of owner					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	329	339	687	226	0	1581
2	ANDHRA PRADESH	99145	35095	12150	2478	712	149580
3	ASSAM	3	1	2	5	1	12
4	BIHAR	4085	4471	3067	764	406	12793
5	CHHATISGARH	8847	8448	7659	4936	754	30644
6	GOA	2536	598	290	175	51	3650
7	GUJARAT	237156	99338	25803	7945	268	370510
8	HARYANA	57	4	56	45	2	164
9	HIMACHAL PRADESH	126	86	52	12	7	283
10	JAMMU & KASHMIR	2574	1311	335	31	11	4262
11	JHARKHAND	41914	33242	12103	2481	1459	91199
12	KARNATAKA	51710	33823	21606	10018	1663	118820
13	KERALA	44743	4043	1005	358	78	50227
14	MADHYA PRADESH	293587	323361	220111	91505	7881	936445
15	MAHARASHTRA	740483	927950	577158	223466	38199	2507256
16	MIZORAM	8	18	4	1	0	31
17	ODISHA	98787	73999	54333	17489	1301	245909
18	PUDUCHERRY	29	4	3	0	0	36
19	RAJASTHAN	24371	37026	63035	52296	7696	184424
20	TAMIL NADU	566381	255780	105416	38513	50059	1016149
21	TELENGANA	311307	97318	34791	7121	1016	451553
22	TRIPURA	2	0	0	0	0	2
23	UTTARAKHAND	24	72	248	46	3	393
24	UTTAR PRADESH	18094	25396	31957	6357	826	82630
25	WEST BENGAL	1804	2662	868	435	0	5769
	Total	2548102	1964385	1172739	466703	112393	6264322

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.4.2: DISTRIBUTION OF DUGWELLS ACCORDING TO THE INDIVIDUAL FEMALE OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Dug wells by size class of owner					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	82	87	136	25	0	330
2	ANDHRA PRADESH	14119	5082	1704	346	105	21356
3	ASSAM	1	0	0	0	0	1
4	BIHAR	109	211	221	37	29	607
5	CHHATISGARH	747	643	548	284	36	2258
6	GOA	300	55	18	14	6	393
7	GUJARAT	43917	17658	4376	1236	26	67213
8	HARYANA	1	0	1	0	0	2
9	HIMACHAL PRADESH	8	2	2	2	0	14
10	JAMMU & KASHMIR	32	13	5	2	0	52
11	JHARKHAND	1764	1365	509	94	49	3781
12	KARNATAKA	9438	5588	3345	1566	263	20200
13	KERALA	9471	628	155	37	19	10310
14	MADHYA PRADESH	217393	236237	164522	69077	5987	693216
15	MAHARASHTRA	198025	250224	156128	63035	12564	679976
16	MIZORAM	2	7	2	0	0	11
17	ODISHA	5008	1785	1856	529	58	9236
18	PUDUCHERRY	4	0	0	0	0	4
19	RAJASTHAN	2731	4178	6376	4201	535	18021
20	TAMIL NADU	62865	26055	10615	3818	5777	109130
21	TELENGANA	45475	13555	4652	957	138	64777
22	UTTARAKHAND	1	4	13	3	1	22
23	UTTAR PRADESH	656	947	966	152	34	2755
24	WEST BENGAL	43	88	21	35	0	187
	Total	612192	564412	356171	145450	25627	1703852

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.5: DISTRIBUTION OF DUGWELLS AND COST OF CONSTRUCTION

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Dug wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	2182	138275	69	4750	53	4458	43	3477	82	8706	2429	159666
2	ANDHRA PRADESH	157724	5279809	7952	340973	2393	113414	1876	93148	1356	57339	171301	5884684
3	ARUNACHAL PRADESH	19	2050	0	0	0	0	0	0	6	598	25	2648
4	ASSAM	21	658	5	234	5	231	5	99	2	134	38	1356
5	BIHAR	9058	400600	2902	117692	1862	83291	625	31952	1479	56041	15926	689576
6	CHHATISGARH	23171	1006439	4526	224415	1791	97838	1000	54721	926	50444	31414	1433856
7	GOA	3219	188225	271	18530	145	8019	124	8867	173	11961	3932	235601
8	GUJARAT	381283	24542174	262	18879	5	355	720	58521	16	1639	382286	24621567
9	HARYANA	730	50629	48	2496	116	9195	7	645	104	7542	1005	70506
10	HIMACHAL PRADESH	331	39502	53	6828	29	5447	7	2640	11	1070	431	55487
11	JAMMU & KASHMIR	2118	70961	373	14376	340	17213	311	19248	1583	65414	4725	187211
12	JHARKHAND	104656	12877917	20211	2647396	12544	1899842	9629	1840755	13037	1994038	160077	21259949
13	KARNATAKA	96246	5899836	14504	1180800	7435	598305	5719	456134	10699	741140	134603	8876215
14	KERALA	40179	1281976	4696	220900	2973	142283	1989	95581	2298	94163	52135	1834903
15	MADHYA PRADESH	921442	11245553	190190	2757600	104803	1602846	59735	1042833	60512	1628551	1336682	18277382
16	MAHARASHTRA	1568156	78350190	233200	13945760	231328	14154469	463626	28890816	252778	15912942	2749088	151254178
17	MEGHALAYA	99	107	48	13	2	0	0	0	0	0	149	120
18	MIZORAM	9	398	25	373	0	0	0	0	0	0	34	771
19	NAGALAND	12	407	0	0	0	0	0	0	0	0	12	407
20	ODISHA	222811	6080559	26639	953733	8475	367122	4126	185869	3503	147801	265554	7735084
21	PUDUCHERRY	25	2455	5	260	0	0	0	0	7	345	37	3060
22	RAJASTHAN	794699	64499156	22786	2163648	10204	972614	4303	449568	2849	252384	834841	68337370

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Dug wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
23	TAMIL NADU	1366219	101785778	77644	5906437	24151	1889414	14320	1300078	94864	6107774	1577198	116989480
24	TELENGANA	394083	25346537	40434	2499039	13643	810884	3972	262547	5652	371940	457784	29290948
25	TRIPURA	1	50	0	0	2	294	0	0	1	10	4	354
26	UTTARAKHAND	372	25044	31	1874	2	50	0	0	6	517	411	27486
27	UTTAR PRADESH	74734	5537561	5483	350146	2162	216117	1035	112234	1810	124015	85224	6340074
28	WEST BENGAL	6920	825124	1760	203097	1139	130663	645	74202	616	71663	11080	1304749
	Total	6170519	345477970	654117	33580249	425602	23124364	573817	34983935	454370	27708171	8278425	464874688

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.6.1: DISTRIBUTION OF DUGWELLS BY COST OF MAINTENANCE IN THE REFERENCE YEAR

(In Number)

S.No.	State	No. of Dug wells according to the annual cost of maintenance					
		UptoRs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	2162	253	13	1	0	2429
2	ANDHRA PRADESH	78051	80523	12244	454	29	171301
3	ARUNACHAL PRADESH	25	0	0	0	0	25
4	ASSAM	5	32	1	0	0	38
5	BIHAR	10689	4975	256	6	0	15926
6	CHHATISGARH	26794	4530	88	2	0	31414
7	GOA	2401	1352	175	3	1	3932
8	GUJARAT	1408	361451	18968	294	165	382286
9	HARYANA	73	863	68	1	0	1005
10	HIMACHAL PRADESH	362	48	20	1	0	431
11	JAMMU & KASHMIR	751	3952	22	0	0	4725
12	JHARKHAND	155806	3873	359	33	6	160077
13	KARNATAKA	44420	61424	26182	2492	85	134603
14	KERALA	39153	12630	346	5	1	52135
15	MADHYA PRADESH	1318805	12443	5090	226	118	1336682
16	MAHARASHTRA	1189389	1402536	155671	1072	420	2749088
17	MEGHALAYA	149	0	0	0	0	149
18	MIZORAM	34	0	0	0	0	34
19	NAGALAND	11	1	0	0	0	12
20	ODISHA	206674	53341	5405	123	11	265554
21	PUDUCHERRY	1	33	2	1	0	37
22	RAJASTHAN	260077	451164	120672	2715	213	834841

(In Number)

S.No.	State	No. of Dug wells according to the annual cost of maintenance					
		UptoRs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	TAMIL NADU	358079	1053097	157798	8029	195	1577198
24	TELENGANA	95623	340372	21430	350	9	457784
25	TRIPURA	2	2	0	0	0	4
26	UTTARAKHAND	23	361	25	2	0	411
27	UTTAR PRADESH	41600	42535	1068	11	1	85215
28	WEST BENGAL	0	11080	0	0	0	11080
	Total	3832567	3902871	525903	15821	1254	8278416

MINOR IRRIGATION CENSUS (2017-18)

Table.1.6.2 : AVERAGE COST OF CONSTRUCTION, MACHINERY, ANNUAL MAINTENANCE AND AVERAGE AMOUNT OF SUBSIDY RECEIVED FOR DUGWELL

(Amount in thousands)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Dug well for which subsidy was received	Average amount of subsidy	No. of Dug well for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	66	3	0	477	93	13	8
2	ANDHRA PRADESH	34	19	4	22310	21	21061	13
3	ARUNACHAL PRADESH	106	42	0	4	122	0	0
4	ASSAM	36	34	4	1	7	1	10
5	BIHAR	43	17	2	2173	35	1189	10
6	CHHATISGARH	46	13	1	3101	45	1777	11
7	GOA	60	16	3	323	49	217	16
8	GUJARAT	64	31	4	3434	9	1512	3
9	HARYANA	70	41	5	13	6	7	9
10	HIMACHAL PRADESH	129	36	2	110	72	47	27
11	JAMMU & KASHMIR	40	18	4	11	87	16	23
12	JHARKHAND	133	4	0	99379	137	25019	12
13	KARNATAKA	66	34	9	21443	28	22326	13
14	KERALA	35	11	1	2014	10	5245	6
15	MADHYA PRADESH	14	27	0	154399	31	212130	20
16	MAHARASHTRA	55	22	3	85829	23	80889	16
17	MEGHALAYA	1	0	0	1	5	1	2
18	MIZORAM	23	12	0	0	0	0	0
19	NAGALAND	34	33	1	1	40	1	31
20	ODISHA	29	8	1	90917	21	34727	9

(Amount in thousands)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Dug well for which subsidy was received	Average amount of subsidy	No. of Dug well for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
21	PUDUCHERRY	83	39	12	0	0	0	0
22	RAJASTHAN	82	36	5	14417	24	227136	14
23	TAMIL NADU	74	24	6	142663	18	133195	6
24	TELENGANA	64	25	4	23874	38	21821	15
25	TRIPURA	89	10	1	0	0	0	0
26	UTTARAKHAND	67	22	5	3	243	1	0
27	UTTAR PRADESH	74	26	2	5325	53	2052	34
28	WEST BENGAL	118	11	3	321	31	321	6
	Total	56	24	3	672543	41	790704	14

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TABLE 1.7: DISTRIBUTION DUG WELLS ACCORDING TO MAJOR SOURCE OF FINANCE (UNDER INDIVIDUAL OWNERSHIP)

(In Number)

S.No.	State	With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0	471	497	0	32	1000	1	19	1	4	0	0	556	581	1581
2	ANDHRA PRADESH	3053	1515	86983	5646	3998	101195	9776	3944	16971	339	879	136	16340	48385	149580
3	ASSAM	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12
4	BIHAR	78	82	645	0	25	830	1392	766	413	262	18	35	9077	11963	12793
5	CHHATISGARH	9	205	1284	2	36	1536	425	1849	120	193	4	7	26510	29108	30644
6	GOA	56	33	1174	3	28	1294	187	223	4	22	0	1	1919	2356	3650
7	GUJARAT	18694	5944	148629	2142	182616	358025	1232	811	24	47	36	10	10325	12485	370510
8	HARYANA	3	2	54	7	13	79	55	0	2	1	0	0	27	85	164
9	HIMACHAL PRADESH	4	10	97	0	7	118	26	39	0	1	0	0	99	165	283
10	JAMMU & KASHMIR	31	252	3560	0	5	3848	0	3	0	0	0	0	411	414	4262
11	JHARKHAND	126	5540	505	4	220	6395	2301	36734	316	6484	53	363	38553	84804	91199
12	KARNATAKA	7210	431	79638	615	3258	91152	6756	810	576	497	73	2	18954	27668	118820
13	KERALA	698	344	35234	110	1564	37950	1593	3282	470	186	47	20	6679	12277	50227
14	MADHYA PRADESH	62572	16940	493455	4416	104483	681866	13560	15082	6660	3034	872	800	214571	254579	936445
15	MAHARASHTRA	316996	175383	1900563	16417	48338	2457697	9632	1589	4073	200	51	283	33731	49559	2507256
16	MIZORAM	0	1	30	0	0	31	0	0	0	0	0	0	0	0	31
17	ODISHA	2904	10541	71222	107	300	85074	14276	65106	15136	3694	361	359	61903	160835	245909
18	PUDUCHERRY	0	0	0	0	0	0	0	0	0	1	0	0	35	36	36
19	RAJASTHAN	7621	602	46063	3219	1247	58752	40555	2474	11178	1406	1873	76	68110	125672	184424
20	TAMIL NADU	6758	1366	402052	3056	6225	419457	47023	4815	99995	9073	1202	383	434201	596692	1016149
21	TELENGANA	824	706	85547	2664	116	89857	14297	1934	234550	1798	1569	247	107301	361696	451553
22	TRIPURA	0	2	0	0	0	2	0	0	0	0	0	0	0	0	2
23	UTTARAKHAND	0	0	2	0	1	3	0	0	0	0	0	0	390	390	393
24	UTTAR PRADESH	239	1359	28126	56	250	30030	2121	3988	1435	347	25	9	44675	52600	82630
25	WEST BENGAL	127	194	4737	97	614	5769	0	0	0	0	0	0	0	0	5769
	Total	428003	221923	3390097	38561	353376	4431960	165208	143468	391924	27589	7063	2731	1094379	1832362	6264322

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.8: DISTRIBUTION OF DUGWELLS BY STATUS OF UTILISATION

(In Number)

S.No.	State	Dug wells in use	Dug wells not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDAMAN & NICOBAR ISLANDS	2247	131	51	182	2429	169	23	192
2	ANDHRA PRADESH	111306	34310	25685	59995	171301	4	25	29
3	ARUNACHAL PRADESH	14	7	4	11	25	0	0	0
4	ASSAM	26	9	3	12	38	0	0	0
5	BIHAR	15114	436	376	812	15926	2422	531	2953
6	CHHATISGARH	31140	208	66	274	31414	342	77	419
7	GOA	3848	56	28	84	3932	4	6	10
8	GUJARAT	378945	2605	736	3341	382286	164	2	166
9	HARYANA	1005	0	0	0	1005	10	0	10
10	HIMACHAL PRADESH	415	5	11	16	431	2	9	11
11	JAMMU & KASHMIR	4719	6	0	6	4725	1	1	2
12	JHARKHAND	158045	1149	883	2032	160077	10539	1080	11619
13	KARNATAKA	133983	275	345	620	134603	26636	181	26817
14	KERALA	51952	146	37	183	52135	159	28	187
15	MADHYA PRADESH	1314261	10737	11684	22421	1336682	11911	648	12559
16	MAHARASHTRA	2733860	12340	2888	15228	2749088	124721	6253	130974
17	MEGHALAYA	146	1	2	3	149	146	3	149
18	MIZORAM	32	2	0	2	34	4	1	5
19	NAGALAND	12	0	0	0	12	0	0	0
20	ODISHA	236299	15158	14097	29255	265554	5035	2683	7718

(In Number)

S.No.	State	Dug wells in use	Dug wells not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
21	PUDUCHERRY	37	0	0	0	37	0	0	0
22	RAJASTHAN	808367	15702	10772	26474	834841	1007	1919	2926
23	TAMIL NADU	1427251	103215	46732	149947	1577198	198576	58413	256989
24	TELENGANA	447972	4502	5310	9812	457784	10381	2070	12451
25	TRIPURA	4	0	0	0	4	0	0	0
26	UTTARAKHAND	378	26	7	33	411	0	0	0
27	UTTAR PRADESH	84091	463	670	1133	85224	2833	697	3530
28	WEST BENGAL	9649	950	481	1431	11080	0	0	0
	Total	7955118	202439	120868	323307	8278425	395066	74650	469716

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.9: DISTRIBUTION OF DUGWELLS TEMPORARILY NOT IN USE BY REASON

(In Number/In Ha)

S.No.	State	Non Availability of Adequate Power/Fuel		Mechanical Break Down		Less discharge of Water		Non - Availability of Finance		Lack of Maintenance		Others		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	0	0.00	2	0.60	66	27.89	0	0.00	47	18.46	16	13.28	131	60.23
2	ANDHRA PRADESH	535	338.19	725	318.78	30396	21244.79	1144	707.97	117	49.79	1393	542.85	34310	23202.37
3	ARUNACHAL PRADESH	0	0.00	4	79.00	0	0.00	0	0.00	2	80.00	1	65.00	7	224.00
4	ASSAM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	9	45.20	9	45.20
5	BIHAR	20	56.23	59	37.41	70	28.95	10	2.57	110	62.20	167	9.15	436	196.51
6	CHHATISGARH	10	2.85	13	3.76	113	24.10	7	0.72	11	0.20	54	21.34	208	52.97
7	GOA	2	0.00	2	3.60	19	3.80	2	0.00	7	1.80	24	0.30	56	9.50
8	GUJARAT	1	0.55	2500	493.74	0	0.00	0	0.00	81	14.16	23	25.75	2605	534.20
9	HIMACHAL PRADESH	1	0.20	0	0.00	2	0.00	0	0.00	0	0.00	2	2.18	5	2.38
10	JAMMU & KASHMIR	0	0.00	3	2.15	0	0.00	1	0.60	2	2.70	0	0.00	6	5.45
11	JHARKHAND	50	26.23	237	35.95	500	108.73	93	8.61	90	30.87	179	121.73	1149	332.12
12	KARNATAKA	17	0.00	30	0.00	149	0.26	9	0.00	18	0.00	52	0.00	275	0.26
13	KERALA	6	0.00	19	0.28	27	0.42	5	0.93	33	0.36	56	0.27	146	2.26
14	MADHYA PRADESH	298	37.65	376	65.79	6050	1048.64	329	36.40	150	33.66	3534	676.02	10737	1898.16
15	MAHARASHTRA	2486	178.32	817	89.85	5349	898.90	1	0.10	38	3.39	3649	364.17	12340	1534.73
16	MEGHALAYA	0	0.00	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	1	0.00
17	MIZORAM	0	0.00	0	0.00	1	1.20	0	0.00	1	0.00	0	0.00	2	1.20
18	ODISHA	206	190.30	1254	893.04	3558	2014.47	962	446.62	5350	2851.67	3828	1817.34	15158	8213.44
19	RAJASTHAN	517	1294.49	1028	1289.20	11363	21367.53	562	415.96	270	514.44	1962	2807.54	15702	27689.16
20	TAMIL NADU	3733	736.69	6400	1369.97	78510	22946.75	1130	197.12	3106	679.54	10336	3228.63	103215	29158.70
21	TELENGANA	107	24.10	244	52.41	3784	1110.96	78	12.34	109	17.57	180	85.82	4502	1303.20
22	UTTARAKHAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	26	0.80	26	0.80
23	UTTAR PRADESH	11	6.00	17	10.00	110	59.15	10	1.00	9	0.00	306	3.00	463	79.15
24	WEST BENGAL	59	86.14	157	186.07	488	228.39	49	69.81	66	78.94	131	163.42	950	812.77
	Total	8059	2977.94	13887	4931.60	140556	71114.93	4392	1900.75	9617	4439.75	25928	9993.79	202439	95358.76

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TABLE 1.10: DISTRIBUTION OF DUGWELLS PERMANENTLY NOT IN USE BY REASON

(In Number/In Ha)

S.No.	State	Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	2	0.00	38	0.00	0	0.00	0	0.00	0	0.00	0	0.00	11	0.00	51	0.00
2	ANDHRA PRADESH	958	0.00	19036	0.00	1439	0.00	37	0.00	31	0.00	196	0.00	3988	0.00	25685	0.00
3	ARUNACHAL PRADESH	0	0.00	1	0.00	1	0.00	0	0.00	0	0.00	0	0.00	2	0.00	4	0.00
4	ASSAM	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00	3	0.00
5	BIHAR	226	0.00	25	0.00	99	0.00	12	0.00	1	0.00	0	0.00	13	0.00	376	0.00
6	CHHATISGARH	4	0.00	7	0.00	3	0.00	0	0.00	1	0.00	0	0.00	51	0.00	66	0.00
7	GOA	8	0.00	5	0.00	2	0.00	0	0.00	1	0.00	0	0.00	12	0.00	28	0.00
8	GUJARAT	339	0.00	15	0.00	20	0.00	3	0.00	2	0.00	0	0.00	357	0.00	736	0.00
9	HIMACHAL PRADESH	0	0.00	10	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	11	0.00
10	JHARKHAND	6	0.00	113	0.00	674	0.00	3	0.00	7	0.00	0	0.00	80	0.00	883	0.00
11	KARNATAKA	95	0.00	103	0.00	54	0.00	0	0.00	1	0.00	0	0.00	92	0.00	345	0.00
12	KERALA	3	0.00	11	0.00	3	0.00	0	0.00	0	0.00	0	0.00	20	0.00	37	0.00
13	MADHYA PRADESH	404	0.00	4022	0.00	708	0.00	208	0.00	50	0.00	176	0.00	6116	0.00	11684	0.00
14	MAHARASHTRA	103	0.00	2444	0.00	78	0.00	49	0.00	27	0.00	14	0.00	173	0.00	2888	0.00
15	MEGHALAYA	0	0.00	1	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00
16	ODISHA	1614	0.00	3947	0.00	5175	0.00	62	0.00	42	0.00	31	0.00	3226	0.00	14097	0.00
17	RAJASTHAN	900	0.00	8009	0.00	977	0.00	0	0.00	51	0.00	27	0.00	808	0.00	10772	0.00
18	TAMIL NADU	5131	0.00	23535	0.00	4849	0.00	800	0.00	299	0.00	221	0.00	11897	0.00	46732	0.00
19	TELENGANA	54	0.00	3310	0.00	597	0.00	671	0.00	15	0.00	33	0.00	630	0.00	5310	0.00

(In Number/In Ha)

S.No.	State	Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
20	UTTARAKHAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	7	0.00	7	0.00
21	UTTAR PRADESH	24	0.00	9	0.00	20	0.00	0	0.00	0	0.00	0	0.00	617	0.00	670	0.00
22	WEST BENGAL	48	0.00	84	0.00	102	0.00	20	0.00	4	0.00	12	0.00	211	0.00	481	0.00
	Total	9919	0.00	64726	0.00	14803	0.00	1865	0.00	532	0.00	710	0.00	28313	0.00	120868	0.00

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TABLE 1.11: DISTRIBUTION OF DUGWELL SCHEMES IN USE ACCORDING TO WATER DISTRIBUTION SYSTEM AND POTENTIAL UTILISED

(In Number/In Ha)

S.No.	State	No. & PU of Dug well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	47	28.32	260	113.13	11	3.70	947	598.63	0	0.00	0	0.00	982	383.50	2247	1127.28
2	ANDHRA PRADESH	8892	9524.00	56258	53717.02	11239	10634.05	21689	22511.53	11184	12106.07	224	286.88	1820	1876.47	111306	110656.02
3	ARUNACHAL PRADESH	6	259.00	7	54.00	1	7.00	0	0.00	0	0.00	0	0.00	0	0.00	14	320.00
4	ASSAM	4	45.20	21	40.40	1	4.00	0	0.00	0	0.00	0	0.00	0	0.00	26	89.60
5	BIHAR	190	705.15	2188	28646.50	273	2067.16	12361	68280.14	18	105.22	0	0.00	84	305.78	15114	100109.95
6	CHHATISGARH	975	857.39	18227	11397.48	618	533.82	10701	9965.56	73	99.81	49	90.10	497	290.13	31140	23234.29
7	GOA	217	161.86	897	604.83	126	121.30	884	498.38	80	139.93	1225	1255.62	419	140.15	3848	2922.07
8	GUJARAT	21138	29288.67	147521	178998.59	6147	8233.41	178118	228748.71	24055	25628.09	19	32.34	1947	2630.66	378945	473560.47
9	HARYANA	175	1562.80	487	4782.93	82	865.40	183	1990.00	0	0.00	72	522.70	6	66.00	1005	9789.83
10	HIMACHAL PRADESH	21	91.13	172	698.72	41	336.47	160	313.70	1	0.08	7	29.65	13	9.29	415	1479.04
11	JAMMU & KASHMIR	112	142.15	3962	7891.02	6	15.20	557	594.60	1	0.35	0	0.00	81	101.43	4719	8744.75
12	JHARKHAND	2651	4615.09	92284	118853.39	1827	2141.23	44795	68821.99	258	438.16	204	444.82	16026	17047.40	158045	212362.08
13	KARNATAKA	31453	30937.01	6302	15159.73	46679	75817.32	29454	31668.41	7986	10541.28	8341	10910.41	3768	4769.89	133983	179804.05
14	KERALA	1906	921.85	10726	5658.18	4625	2485.30	30338	14973.77	957	961.14	1278	770.72	2122	1054.76	51952	26825.72
15	MADHYA PRADESH	11864	33018.14	285506	711642.25	189423	551586.82	762318	2103498.73	16765	56823.59	37427	106003.00	10958	24863.22	1314261	3587435.75
16	MAHARASHTRA	75601	159992.36	667004	1106354.69	1712361	3424346.99	161465	274382.51	18256	31972.78	13738	22758.09	85435	141950.96	2733860	5161758.38
17	MEGHALAYA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	146	0.00	146	0.00
18	MIZORAM	0	0.00	26	0.00	2	0.00	3	0.00	0	0.00	0	0.00	1	0.00	32	0.00
19	NAGALAND	0	0.00	1	3.00	0	0.00	0	0.00	0	0.00	0	0.00	11	23.00	12	26.00
20	ODISHA	11625	11335.43	113419	107503.25	2689	3782.64	96606	80933.04	730	916.92	2876	840.91	8354	4881.83	236299	210194.02
21	PUDUCHERRY	30	24.36	1	1.30	6	11.58	0	0.00	0	0.00	0	0.00	0	0.00	37	37.24
22	RAJASTHAN	34387	89499.27	226999	624111.09	87000	224325.66	311153	905262.39	8099	23315.88	140067	758732.07	662	2524.09	808367	2627770.45
23	TAMIL NADU	374134	875058.83	755232	1852155.97	162699	458991.24	31695	107070.94	80965	262596.80	2252	3927.56	20274	42554.70	1427251	3602356.04
24	TELENGANA	68123	82866.99	172103	208643.82	147707	178153.10	46862	58934.38	8739	13473.87	3903	7353.00	535	1477.49	447972	550902.65

(In Number/In Ha)

S.No.	State	No. & PU of Dug well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
25	TRIPURA	0	0.00	1	0.25	2	7.00	1	0.90	0	0.00	0	0.00	0	0.00	4	8.15
26	UTTARAKHAND	121	900.68	255	1051.48	1	4.00	1	10.00	0	0.00	0	0.00	0	0.00	378	1966.16
27	UTTAR PRADESH	3268	9511.50	17682	59813.01	595	1841.87	55912	159279.85	422	909.25	3797	12509.64	2415	59953.00	84091	303818.12
28	WEST BENGAL	1088	2458.87	2732	6418.20	419	1116.84	4415	12724.20	42	62.43	98	258.77	855	1560.53	9649	24599.84
	Total	648028	1343806.05	2580273	5104314.23	2374580	4947433.10	1800618	4151062.36	178631	440091.65	215577	926726.28	157411	308464.28	7955118	17221897.95

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.12: DISTRIBUTION OF DUGWELLS (IN USE, TEMPORARILY NOT IN USE) ACCORDING TO WATER LIFTING DEVICES

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	28	933	8	1405	4	2378
2	ANDHRA PRADESH	55915	70851	7688	2658	8504	145616
3	ARUNACHAL PRADESH	4	17	0	0	0	21
4	ASSAM	2	26	6	0	1	35
5	BIHAR	2585	10836	453	509	1167	15550
6	CHHATISGARH	13349	9867	3905	2490	1737	31348
7	GOA	998	2354	22	453	77	3904
8	GUJARAT	363228	15527	41	240	2514	381550
9	HARYANA	219	553	5	0	228	1005
10	HIMACHAL PRADESH	248	110	9	16	37	420
11	JAMMU & KASHMIR	2920	1594	2	4	205	4725
12	JHARKHAND	4180	98014	9074	23044	24882	159194
13	KARNATAKA	98425	20131	732	13157	1813	134258
14	KERALA	10190	39077	1250	1247	334	52098
15	MADHYA PRADESH	769385	377936	104782	4126	68769	1324998
16	MAHARASHTRA	1321491	1171927	40819	5406	206557	2746200
17	MEGHALAYA	0	0	0	147	0	147
18	MIZORAM	19	0	0	13	2	34
19	NAGALAND	3	7	0	2	0	12
20	ODISHA	33664	154379	8327	52382	2705	251457
21	PUDUCHERRY	37	0	0	0	0	37
22	RAJASTHAN	329758	438642	24092	7713	23864	824069
23	TAMIL NADU	758087	714118	16119	13527	28615	1530466
24	TELENGANA	252151	181899	16686	282	1456	452474

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TRIPURA	2	1	0	0	1	4
26	UTTARAKHAND	386	14	1	0	3	404
27	UTTAR PRADESH	11337	71087	911	272	947	84554
28	WEST BENGAL	2142	5551	863	584	1459	10599
	Total	4030753	3385451	235795	129677	375881	8157557

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.13: DISTRIBUTION OF DUGWELLS (IN USE, TEMPORARILY NOT IN USE) ACCORDING TO SOURCE OF ENERGY

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	909	59	1	0	1405	4	2378
2	ANDHRA PRADESH	90152	45727	101	258	2658	6720	145616
3	ARUNACHAL PRADESH	2	19	0	0	0	0	21
4	ASSAM	8	27	0	0	0	0	35
5	BIHAR	3575	11081	28	10	509	347	15550
6	CHHATISGARH	26389	1685	26	404	2490	354	31348
7	GOA	3251	174	2	2	453	22	3904
8	GUJARAT	365309	721	15113	1	240	166	381550
9	HARYANA	290	705	2	5	0	3	1005
10	HIMACHAL PRADESH	390	11	0	0	16	3	420
11	JAMMU & KASHMIR	4712	8	0	1	4	0	4725
12	JHARKHAND	16864	106573	348	666	23044	11699	159194
13	KARNATAKA	119234	1239	61	59	13157	508	134258
14	KERALA	48892	1538	33	17	1247	371	52098
15	MADHYA PRADESH	1246650	61877	264	730	4126	11351	1324998
16	MAHARASHTRA	2663858	44311	4048	1538	5406	27039	2746200
17	MEGHALAYA	0	0	0	0	147	0	147
18	MIZORAM	21	0	0	0	13	0	34
19	NAGALAND	1	3	0	5	2	1	12
20	ODISHA	90687	104999	417	256	52382	2716	251457
21	PUDUCHERRY	37	0	0	0	0	0	37
22	RAJASTHAN	558091	255228	489	936	7713	1612	824069
23	TAMIL NADU	1444946	59936	1592	385	13527	10080	1530466

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	TELENGANA	447759	3872	283	45	282	233	452474
25	TRIPURA	2	1	0	0	0	1	4
26	UTTARAKHAND	399	3	0	0	0	2	404
27	UTTAR PRADESH	8333	75576	80	50	272	243	84554
28	WEST BENGAL	3804	5379	52	139	584	641	10599
	Total	7144565	780752	22940	5507	129677	74116	8157557

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.14: DISTRIBUTION OF DUGWELLS (IN USE, TEMPORARILY NOT IN USE) ACCORDING TO HORSE POWER OF LIFTING DEVICES

(In Number)

S.No.	State	No. of Dugwell by horse power of lifting devices								Total (9 to 10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	746	19	198	1	2	7	973	1405	2378
2	ANDHRA PRADESH	11532	45213	66011	16287	2464	1451	142958	2658	145616
3	ARUNACHAL PRADESH	0	0	14	0	5	2	21	0	21
4	ASSAM	0	0	33	0	1	1	35	0	35
5	BIHAR	2521	1916	9006	736	354	508	15041	509	15550
6	CHHATISGARH	850	353	27624	1	8	22	28858	2490	31348
7	GOA	1749	730	873	49	36	14	3451	453	3904
8	GUJARAT	1287	89316	245714	43721	1288	204	381530	20	381550
9	HARYANA	2	1	33	340	435	194	1005	0	1005
10	HIMACHAL PRADESH	71	16	202	74	25	16	404	16	420
11	JAMMU & KASHMIR	3	2	4649	62	2	3	4721	4	4725
12	JHARKHAND	63994	11112	60216	123	442	263	136150	23044	159194
13	KARNATAKA	1494	369	88220	19405	7685	3928	121101	13157	134258
14	KERALA	34614	4860	11169	61	71	76	50851	1247	52098
15	MADHYA PRADESH	214301	556245	499799	35867	9769	4891	1320872	4126	1324998
16	MAHARASHTRA	484	932	2668337	39000	10421	21620	2740794	5406	2746200
17	MEGHALAYA	0	0	0	0	0	0	0	147	147
18	MIZORAM	3	0	18	0	0	0	21	13	34

(In Number)

S.No.	State	No. of Dugwell by horse power of lifting devices								Total (9 to 10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
19	NAGALAND	0	0	9	1	0	0	10	2	12
20	ODISHA	64919	6623	122303	1882	1149	2199	199075	52382	251457
21	PUDUCHERRY	0	0	8	24	4	1	37	0	37
22	RAJASTHAN	2385	42261	383036	196746	105761	86167	816356	7713	824069
23	TAMIL NADU	90868	321611	932881	141257	21141	9187	1516945	13521	1530466
24	TELENGANA	1294	141672	277490	30178	1240	318	452192	282	452474
25	TRIPURA	2	2	0	0	0	0	4	0	4
26	UTTARAKHAND	0	0	264	133	3	4	404	0	404
27	UTTAR PRADESH	741	1847	20227	57618	3444	405	84282	272	84554
28	WEST BENGAL	9249	766	0	0	0	0	10015	584	10599
	Total	503109	1225866	5418334	583566	165750	131481	8028106	129451	8157557

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.15: DISTRIBUTION OF DUGWELLS (IN USE, TEMPORARILY NOT IN USE) ACCORDING TO TOTAL PUMPING HOURS OF OPERATION

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	957	11	0	0	0	5	973	751	124	69	13	4	12	973
2	ANDHRA PRADESH	92704	19906	11536	10563	5237	3012	142958	92878	22068	13873	8342	4204	1593	142958
3	ARUNACHAL PRADESH	3	16	1	1	0	0	21	20	1	0	0	0	0	21
4	ASSAM	25	10	0	0	0	0	35	26	9	0	0	0	0	35
5	BIHAR	10217	2526	913	532	438	415	15041	12085	1716	571	433	157	79	15041
6	CHHATISGARH	26048	1847	474	314	52	123	28858	23781	2985	919	582	244	347	28858
7	GOA	3448	2	0	0	0	1	3451	3084	284	57	18	5	3	3451
8	GUJARAT	381515	9	2	0	0	4	381530	229900	138632	10559	2424	5	10	381530
9	HARYANA	24	84	731	120	40	6	1005	187	636	74	12	51	45	1005
10	HIMACHAL PRADESH	250	77	35	11	10	21	404	242	90	24	29	13	6	404
11	JAMMU & KASHMIR	955	2278	594	467	139	288	4721	4284	428	7	0	0	2	4721
12	JHARKHAND	123570	9095	1913	670	427	475	136150	125838	7315	1787	490	259	461	136150
13	KARNATAKA	87152	22828	5869	3007	801	1444	121101	83890	23681	8715	2802	1037	976	121101
14	KERALA	49824	710	205	29	17	66	50851	48835	1538	332	82	25	39	50851
15	MADHYA PRADESH	1238295	53781	16767	7027	2793	2209	1320872	502634	447819	188069	99859	56432	26059	1320872
16	MAHARASHTRA	1468043	1077466	21799	10414	1809	161263	2740794	1126973	1276968	103320	51332	13286	168915	2740794
17	MIZORAM	20	1	0	0	0	0	21	21	0	0	0	0	0	21
18	NAGALAND	10	0	0	0	0	0	10	9	1	0	0	0	0	10
19	ODISHA	182546	13143	1707	643	320	716	199075	164819	23620	5787	1667	1084	2098	199075
20	PUDUCHERRY	23	10	4	0	0	0	37	25	12	0	0	0	0	37
21	RAJASTHAN	754840	42982	14904	2389	557	684	816356	331945	173387	135923	121478	33857	19766	816356
22	TAMIL NADU	979987	288315	107059	53245	34853	53486	1516945	1038820	268364	103957	54437	20439	30928	1516945
23	TELENGANA	85659	134684	94934	73448	35153	28314	452192	65086	109327	117305	85985	38667	35822	452192

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
24	TRIPURA	4	0	0	0	0	0	4	3	1	0	0	0	0	4
25	UTTARAKHAND	34	97	90	154	26	3	404	66	225	104	5	1	3	404
26	UTTAR PRADESH	75966	7151	619	262	85	199	84282	72192	8985	1858	567	331	349	84282
27	WEST BENGAL	8329	1633	53	0	0	0	10015	9244	771	0	0	0	0	10015
	Total	5570448	1678662	280209	163296	82757	252734	8028106	3937638	2508987	693310	430557	170101	287513	8028106

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.16: DISTRIBUTION OF DUGWELLS (IN USE, TEMPORARILY NOT IN USE) ACCORDING TO AVERAGE HOURS OF PUMPING PER DAY

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	838	79	51	5	0	0	973	724	196	38	3	4	8	973
2	ANDHRA PRADESH	71511	58925	9986	1440	145	951	142958	69232	60929	9920	1668	193	1016	142958
3	ARUNACHAL PRADESH	2	18	1	0	0	0	21	19	2	0	0	0	0	21
4	ASSAM	16	19	0	0	0	0	35	18	15	2	0	0	0	35
5	BIHAR	3301	5389	4174	1331	458	388	15041	4861	5754	3092	892	293	149	15041
6	CHHATISGARH	22924	3356	1971	379	153	75	28858	17895	7053	2778	745	198	189	28858
7	GOA	3445	6	0	0	0	0	3451	3358	89	1	2	0	1	3451
8	GUJARAT	190200	191315	12	2	0	1	381530	121540	259731	252	1	1	5	381530
9	HARYANA	2	190	677	129	2	5	1005	61	645	219	80	0	0	1005
10	HIMACHAL PRADESH	114	163	112	9	5	1	404	84	187	121	9	3	0	404
11	JAMMU & KASHMIR	828	2257	951	469	198	18	4721	2938	1131	616	29	2	5	4721
12	JHARKHAND	66995	53006	9816	3667	1768	898	136150	72417	51407	8099	1890	1513	824	136150
13	KARNATAKA	75163	39799	4938	875	240	86	121101	75250	42238	2861	464	132	156	121101
14	KERALA	49869	823	73	17	1	68	50851	49106	1597	122	11	0	15	50851
15	MADHYA PRADESH	1060163	173989	74613	8720	1516	1871	1320872	203686	690806	388385	27836	4110	6049	1320872
16	MAHARASHTRA	753788	1688208	119920	174114	1274	3490	2740794	472520	1823078	257037	23351	162030	2778	2740794
17	MIZORAM	20	0	0	0	0	1	21	13	7	1	0	0	0	21
18	NAGALAND	9	1	0	0	0	0	10	9	1	0	0	0	0	10
19	ODISHA	138158	50306	7405	2118	342	746	199075	122605	60810	10338	3301	759	1262	199075
20	PUDUCHERRY	0	30	7	0	0	0	37	2	33	1	1	0	0	37
21	RAJASTHAN	681391	128355	5983	438	49	140	816356	139184	579713	83739	11138	1304	1278	816356

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
22	TAMIL NADU	1140942	264117	64379	32294	3309	11904	1516945	1151152	277944	50067	24919	2696	10167	1516945
23	TELENGANA	127171	252885	56859	12133	1791	1353	452192	111157	255164	61621	20021	2066	2163	452192
24	TRIPURA	3	1	0	0	0	0	4	2	2	0	0	0	0	4
25	UTTARAKHAND	21	56	310	14	1	2	404	22	207	163	9	0	3	404
26	UTTAR PRADESH	43212	30271	8936	1116	353	394	84282	25986	45533	10057	1496	584	626	84282
27	WEST BENGAL	1754	7803	458	0	0	0	10015	1628	7633	754	0	0	0	10015
	Total	4431840	2951367	371632	239270	11605	22392	8028106	2645469	4171905	890284	117866	175888	26694	8028106

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.17: DISTRIBUTION OF DUGWELLS ACCORDING TO DEPTH

(In Number)

S.No.	State	No. by the depth of dugwell					
		0 to 20 mts	20 to 40 mts	40 to 60 mts	60 to 70 mts	>70 mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	2415	14	0	0	0	2429
2	ANDHRA PRADESH	165135	6113	6	0	47	171301
3	ARUNACHAL PRADESH	23	2	0	0	0	25
4	ASSAM	10	27	0	0	1	38
5	BIHAR	10503	4211	1207	1	4	15926
6	CHHATISGARH	29529	1396	334	38	117	31414
7	GOA	3913	14	4	0	1	3932
8	GUJARAT	367222	3911	5189	3420	2544	382286
9	HARYANA	469	349	178	2	7	1005
10	HIMACHAL PRADESH	296	83	47	0	5	431
11	JAMMU & KASHMIR	3791	897	37	0	0	4725
12	JHARKHAND	153926	5896	241	1	13	160077
13	KARNATAKA	73624	55112	5796	24	47	134603
14	KERALA	51475	570	62	9	19	52135
15	MADHYA PRADESH	1155673	165339	12468	470	2732	1336682
16	MAHARASHTRA	2398403	196101	145207	1070	8307	2749088
17	MEGHALAYA	149	0	0	0	0	149
18	MIZORAM	24	9	1	0	0	34
19	NAGALAND	11	0	1	0	0	12
20	ODISHA	254960	8487	1503	367	237	265554
21	PUDUCHERRY	9	5	23	0	0	37
22	RAJASTHAN	389110	363503	51215	9660	21353	834841
23	TAMIL NADU	1145831	347497	80159	333	3378	1577198

(In Number)

S.No.	State	No. by the depth of dugwell					
		0 to 20 mts	20 to 40 mts	40 to 60 mts	60 to 70 mts	>70 mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	TELENGANA	349468	95259	11865	350	842	457784
25	TRIPURA	4	0	0	0	0	4
26	UTTARAKHAND	180	189	7	0	35	411
27	UTTAR PRADESH	78535	5649	747	60	233	85224
28	WEST BENGAL	11080	0	0	0	0	11080
	Total	6645768	1260633	316297	15805	39922	8278425

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.18: DISTRIBUTION OF DUGWELLS IN AND OUTSIDE THE COMMAND OF MAJOR/MEDIUM PROJECTS

(In Number)

S.No.	State	Outside command	No. of Dug wells inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	2429	0	0	0	0	0	2429
2	ANDHRA PRADESH	149767	10829	6105	355	4245	21534	171301
3	ARUNACHAL PRADESH	25	0	0	0	0	0	25
4	ASSAM	35	0	0	1	2	3	38
5	BIHAR	15743	46	36	4	97	183	15926
6	CHHATISGARH	30852	129	198	3	232	562	31414
7	GOA	3816	88	23	0	5	116	3932
8	GUJARAT	355736	16627	14	1	9908	26550	382286
9	HARYANA	963	1	8	0	33	42	1005
10	HIMACHAL PRADESH	430	0	1	0	0	1	431
11	JAMMU & KASHMIR	4724	1	0	0	0	1	4725
12	JHARKHAND	159766	48	137	1	125	311	160077
13	KARNATAKA	133253	163	634	2	551	1350	134603
14	KERALA	49529	1323	948	74	261	2606	52135
15	MADHYA PRADESH	996294	815	335791	108	3674	340388	1336682
16	MAHARASHTRA	2545463	123	218	3	203281	203625	2749088
17	MEGHALAYA	149	0	0	0	0	0	149
18	MIZORAM	34	0	0	0	0	0	34
19	NAGALAND	12	0	0	0	0	0	12
20	ODISHA	255983	4263	2148	256	2904	9571	265554
21	PUDUCHERRY	37	0	0	0	0	0	37

(In Number)

S.No.	State	Outside command	No. of Dug wells inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
22	RAJASTHAN	795574	13465	18951	224	6627	39267	834841
23	TAMIL NADU	1528989	7823	28925	2017	9444	48209	1577198
24	TELENGANA	347754	32631	63905	653	12841	110030	457784
25	TRIPURA	4	0	0	0	0	0	4
26	UTTARAKHAND	411	0	0	0	0	0	411
27	UTTAR PRADESH	82504	2156	90	30	443	2719	85223
28	WEST BENGAL	11059	0	0	0	21	21	11080
	Total	7471335	90531	458132	3732	254694	807089	8278424

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.19.1: CCA AND SEASON WISE POTENTIAL CREATED THROUGH ALL DUGWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	2364.05	848.35	954.06	660.86	166.32	2629.59
2	ANDHRA PRADESH	145060.58	95682.48	76675.45	15165.99	2339.03	189862.95
3	ARUNACHAL PRADESH	742.00	567.00	250.00	20.00	30.00	867.00
4	ASSAM	385.99	307.00	191.69	0.00	62.80	561.49
5	BIHAR	97953.92	68604.09	57065.72	4007.79	4920.90	134598.50
6	CHHATISGARH	30111.16	14078.55	20355.90	228.03	57.60	34720.08
7	GOA	3068.78	20.06	482.06	2429.79	151.63	3083.54
8	GUJARAT	327227.78	273658.69	273432.13	3683.60	116.06	550890.48
9	HARYANA	5085.73	4948.71	4923.13	2.00	1.00	9874.84
10	HIMACHAL PRADESH	868.31	782.97	825.96	3.24	1.79	1613.96
11	JAMMU & KASHMIR	4606.06	4572.07	4365.53	0.00	1.00	8938.60
12	JHARKHAND	245820.10	170232.45	82324.03	10528.84	10814.68	273900.00
13	KARNATAKA	162934.25	125194.48	31478.15	12823.21	15210.86	184706.70
14	KERALA	26660.28	3045.34	3910.61	17600.34	3154.48	27710.77
15	MADHYA PRADESH	3364760.74	665381.64	3047036.69	32851.57	59262.55	3804532.45
16	MAHARASHTRA	5179977.62	2804303.08	2240501.60	521179.55	40577.23	5606561.46
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00
18	MIZORAM	18.90	17.00	2.10	0.00	0.00	19.10
19	NAGALAND	25.00	20.00	17.00	0.00	0.00	37.00
20	ODISHA	224226.76	189687.32	122718.87	563.14	329.70	313299.03
21	PUDUCHERRY	23.07	14.17	14.17	8.90	0.00	37.24
22	RAJASTHAN	2796091.79	419561.16	2576553.49	7187.41	66415.02	3069717.08
23	TAMIL NADU	4017726.87	2198802.26	1100661.68	643041.44	243253.69	4185759.07
24	TELENGANA	377155.20	337286.50	259924.49	4867.88	2810.54	604889.41
25	TRIPURA	6.16	3.65	4.60	0.00	0.00	8.25

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
26	UTTARAKHAND	1349.00	1045.84	1003.43	74.28	30.65	2154.20
27	UTTAR PRADESH	247746.29	116710.79	145372.38	29976.47	29701.68	321761.32
28	WEST BENGAL	23885.70	14386.46	13929.06	2203.34	6901.49	37420.35
	Total	17285882.09	7509762.11	10064973.98	1309107.67	486310.70	19370154.46

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.19.2: CCA AND SEASON WISE POTENTIAL CREATED THROUGH DUGWELLS [IN USE]

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	2255.48	805.95	920.59	644.31	148.07	2518.92
2	ANDHRA PRADESH	93618.21	63479.57	51404.03	9158.34	1238.97	125280.91
3	ARUNACHAL PRADESH	312.00	197.00	133.00	15.00	25.00	370.00
4	ASSAM	145.09	91.10	65.79	0.00	0.70	157.59
5	BIHAR	96593.61	67882.82	56613.75	3822.91	4765.63	133085.11
6	CHHATISGARH	29919.94	13945.73	20268.33	228.03	57.60	34499.69
7	GOA	3037.77	20.06	474.58	2406.66	151.23	3052.53
8	GUJARAT	323977.62	270908.43	270851.29	3682.23	114.62	545556.57
9	HARYANA	5085.73	4948.71	4923.13	2.00	1.00	9874.84
10	HIMACHAL PRADESH	864.56	779.67	822.21	3.24	1.79	1606.91
11	JAMMU& KASHMIR	4599.26	4565.27	4361.03	0.00	1.00	8927.30
12	JHARKHAND	244499.35	169404.15	81813.43	10420.53	10724.46	272362.57
13	KARNATAKA	162545.81	124943.84	31394.61	12725.98	15164.08	184228.51
14	KERALA	26536.50	3025.41	3892.34	17525.77	3141.84	27585.36
15	MADHYA PRADESH	3341339.24	658601.09	3027550.04	32285.12	58429.33	3776865.58
16	MAHARASHTRA	5165658.87	2795559.81	2234985.52	519506.19	40420.78	5590472.30
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00
18	MIZORAM	17.70	16.00	1.90	0.00	0.00	17.90
19	NAGALAND	25.00	20.00	17.00	0.00	0.00	37.00
20	ODISHA	207638.70	175375.21	115989.08	509.91	299.69	292173.89
21	PUDUCHERRY	23.07	14.17	14.17	8.90	0.00	37.24
22	RAJASTHAN	2748043.16	410565.77	2533854.64	6935.27	65622.95	3016978.63
23	TAMIL NADU	3814464.85	2073771.05	1054114.39	613913.13	236480.74	3978279.31
24	TELENGANA	371703.62	332683.33	256791.83	4852.18	2681.23	597008.57
25	TRIPURA	6.16	3.65	4.60	0.00	0.00	8.25

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
26	UTTARAKHAND	1274.65	981.94	936.53	74.28	30.65	2023.40
27	UTTAR PRADESH	246611.03	115969.96	144569.55	29939.32	29665.63	320144.46
28	WEST BENGAL	19533.19	11786.11	11345.16	1893.12	5722.74	30747.13
	Total	16910330.17	7300345.80	9908112.52	1270552.42	474889.73	18953900.47

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.19.3: CCA AND SEASON WISE POTENTIAL CREATED THROUGH DUGWELLS [TEMPORARILY NOT IN USE]

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	94.17	37.80	27.62	13.65	16.70	95.77
2	ANDHRA PRADESH	29352.47	17902.94	13807.49	3774.21	641.23	36125.87
3	ARUNACHAL PRADESH	240.00	200.00	77.00	5.00	5.00	287.00
4	ASSAM	158.50	139.20	120.20	0.00	62.10	321.50
5	BIHAR	952.06	438.14	336.65	165.88	148.27	1088.94
6	CHHATISGARH	153.00	99.83	76.09	0.00	0.00	175.92
7	GOA	29.20	0.00	6.90	21.90	0.40	29.20
8	GUJARAT	2519.41	2104.10	2107.39	1.12	1.39	4214.00
9	HIMACHAL PRADESH	1.75	1.30	1.75	0.00	0.00	3.05
10	JAMMU & KASHMIR	6.80	6.80	4.50	0.00	0.00	11.30
11	JHARKHAND	1118.84	708.21	439.83	75.76	60.83	1284.63
12	KARNATAKA	192.57	147.18	64.83	22.35	31.49	265.85
13	KERALA	104.42	14.52	12.56	67.82	10.62	105.52
14	MADHYA PRADESH	13912.13	3897.10	11639.30	294.53	539.15	16370.08
15	MAHARASHTRA	11311.57	6651.20	4476.11	1254.70	130.56	12512.57
16	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00
17	MIZORAM	1.20	1.00	0.20	0.00	0.00	1.20
18	ODISHA	8318.13	7366.76	3178.67	50.57	27.46	10623.46
19	RAJASTHAN	33304.61	6431.91	29506.92	190.41	720.19	36849.43
20	TAMIL NADU	137788.92	76512.20	34163.11	24842.16	5895.25	141412.72
21	TELENGANA	3023.03	2617.34	1838.68	6.34	96.96	4559.32
22	UTTARAKHAND	60.30	49.90	52.90	0.00	0.00	102.80
23	UTTAR PRADESH	1059.90	709.45	760.45	35.15	33.05	1538.10
24	WEST BENGAL	3415.51	2043.39	2116.22	234.69	964.57	5358.87
	Total	247118.49	128080.27	104815.37	31056.24	9385.22	273337.10

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.19.4: CCA AND SEASON WISE POTENTIAL CREATED THROUGH DUGWELLS [PERMANENTLY NOT IN USE]

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	14.40	4.60	5.85	2.90	1.55	14.90
2	ANDHRA PRADESH	22089.90	14299.97	11463.93	2233.44	458.83	28456.17
3	ARUNACHAL PRADESH	190.00	170.00	40.00	0.00	0.00	210.00
4	ASSAM	82.40	76.70	5.70	0.00	0.00	82.40
5	BIHAR	408.25	283.13	115.32	19.00	7.00	424.45
6	CHHATISGARH	38.22	32.99	11.48	0.00	0.00	44.47
7	GOA	1.81	0.00	0.58	1.23	0.00	1.81
8	GUJARAT	730.75	646.16	473.45	0.25	0.05	1119.91
9	HIMACHAL PRADESH	2.00	2.00	2.00	0.00	0.00	4.00
10	JHARKHAND	201.91	120.09	70.77	32.55	29.39	252.80
11	KARNATAKA	195.87	103.46	18.71	74.88	15.29	212.34
12	KERALA	19.36	5.41	5.71	6.75	2.02	19.89
13	MADHYA PRADESH	9509.37	2883.45	7847.35	271.92	294.07	11296.79
14	MAHARASHTRA	3007.18	2092.07	1039.97	418.66	25.89	3576.59
15	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00
16	ODISHA	8269.93	6945.35	3551.12	2.66	2.55	10501.68
17	RAJASTHAN	14744.02	2563.48	13191.93	61.73	71.88	15889.02
18	TAMIL NADU	65473.10	48519.01	12384.18	4286.15	877.70	66067.04
19	TELENGANA	2428.55	1985.83	1293.98	9.36	32.35	3321.52
20	UTTARAKHAND	14.05	14.00	14.00	0.00	0.00	28.00
21	UTTAR PRADESH	75.36	31.38	42.38	2.00	3.00	78.76
22	WEST BENGAL	937.00	556.96	467.68	75.53	214.18	1314.35
	Total	128433.43	81336.04	52046.09	7499.01	2035.75	142916.89

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.20.1: SEASON WISE POTENTIAL UTILISED THROUGH DUGWELLS- ALL SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	331.59	459.60	306.69	64.94	1162.82	331.59	459.60	306.69	64.94	1162.82
2	ANDHRA PRADESH	9293.06	7298.72	433.28	76.53	17101.59	53471.29	41847.33	9962.45	1196.86	106477.93	62764.35	49146.05	10395.73	1273.39	123579.52
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	207.00	128.00	19.00	29.00	383.00	207.00	128.00	19.00	29.00	383.00
4	ASSAM	80.00	65.00	0.00	50.00	195.00	100.23	68.87	0.00	1.80	170.90	180.23	133.87	0.00	51.80	365.90
5	BIHAR	385.34	341.69	26.30	29.00	782.33	52863.19	40445.23	3224.87	3686.76	100220.05	53248.53	40786.92	3251.17	3715.76	101002.38
6	CHHATISGARH	297.82	171.42	0.30	0.53	470.07	9554.84	13255.14	65.40	11.79	22887.17	9852.66	13426.56	65.70	12.32	23357.24
7	GOA	0.00	24.54	72.26	2.83	99.63	18.06	425.09	2282.60	116.39	2842.14	18.06	449.63	2354.86	119.22	2941.77
8	GUJARAT	15402.96	15358.00	166.15	13.45	30940.56	221730.48	221714.28	2784.41	70.54	446299.71	237133.44	237072.28	2950.56	83.99	477240.27
9	HARYANA	135.22	134.22	0.00	0.00	269.44	4770.48	4747.91	2.00	0.00	9520.39	4905.70	4882.13	2.00	0.00	9789.83
10	HIMACHAL PRADESH	1.39	1.39	0.00	0.00	2.78	704.63	767.92	2.74	1.64	1476.93	706.02	769.31	2.74	1.64	1479.71
11	JAMMU & KASHMIR	1.00	1.00	0.00	0.00	2.00	4472.83	4274.77	0.00	1.00	8748.60	4473.83	4275.77	0.00	1.00	8750.60
12	JHA RKHAND	135.53	78.97	15.60	12.06	242.16	133075.00	65793.67	7465.82	6737.94	213072.43	133210.53	65872.64	7481.42	6750.00	213314.59
13	KARNATAKA	1513.67	1055.33	49.08	725.63	3343.71	121196.65	29060.72	12434.65	14033.91	176725.93	122710.32	30116.05	12483.73	14759.54	180069.64
14	KERALA	300.63	420.58	904.51	101.47	1727.19	2491.42	3348.74	16410.67	2950.96	25201.79	2792.05	3769.32	17315.18	3052.43	26928.98
15	MADHYA PRADESH	210954.35	721794.98	8079.22	17192.27	958020.82	366360.13	2229949.59	21500.37	26076.76	2643886.85	577314.48	2951744.57	29579.59	43269.03	3601907.67
16	MAHARASHTRA	131643.49	105992.29	55880.38	1615.86	295132.02	2487320.28	1950781.34	412064.76	27437.82	4877604.20	2618963.77	2056773.63	467945.14	29053.68	5172736.22
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NAGALAND	0.00	0.00	0.00	0.00	0.00	13.00	13.00	0.00	0.00	26.00	13.00	13.00	0.00	0.00	26.00
20	ODISHA	711330	4516.60	34.30	4.02	11668.22	125089.45	75432.87	317.54	95.96	200935.82	132202.75	79949.47	351.84	99.98	212604.04
21	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	14.17	14.17	8.90	0.00	37.24	14.17	14.17	8.90	0.00	37.24
22	RAJASTHAN	17747.79	127284.29	82.00	830.42	145944.50	246839.89	2200782.25	2791.63	40572.45	2490986.22	264587.68	2328066.54	2873.63	41402.87	2636930.72

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
23	TAMIL NADU	73825.63	26519.83	30469.02	4947.45	135761.93	1886732.50	927633.48	544819.59	219662.56	3578848.13	1960558.13	954153.31	575288.61	224610.01	3714610.06
24	TELENGANA	73955.59	66132.23	1032.44	0.00	141120.26	239375.88	167750.54	3743.41	2117.34	412987.17	313331.47	233882.77	4775.85	2117.34	554107.43
25	TRIPURA	0.00	0.00	0.00	0.00	0.00	3.65	4.50	0.00	0.00	8.15	3.65	4.50	0.00	0.00	8.15
26	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	1005.33	960.90	71.28	30.65	2068.16	1005.33	960.90	71.28	30.65	2068.16
27	UTTAR PRADESH	3070.08	3503.39	152.96	160.81	6887.24	109373.42	136605.28	27291.31	25119.82	298389.83	112443.50	140108.67	27444.27	25280.63	305277.07
28	WEST BENGAL	11.99	3.78	0.00	8.37	24.14	11620.77	10703.49	1697.65	5099.89	29121.80	11632.76	10707.27	1697.65	5108.26	29145.94
	Total	545868.84	1080698.25	97397.80	25770.70	1749735.59	6078736.16	8126968.68	1069267.74	375116.78	15650089.36	6624605.00	9207666.93	1166665.54	400887.48	17399824.95

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.20.2: SEASON WISE POTENTIAL UTILISED THROUGH DUGWELLS [IN USE]

(In Hectares)

S.No.	State	Area Irrigated during 2017 -2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	315.82	450.89	301.73	58.84	1127.28	315.82	450.89	301.73	58.84	1127.28
2	ANDHRA PRADESH	9002.24	7114.30	411.00	69.83	16597.37	47275.86	37423.37	8285.82	1073.60	94058.65	56278.10	44537.67	8696.82	1143.43	110656.02
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	171.00	110.00	14.00	25.00	320.00	171.00	110.00	14.00	25.00	320.00
4	ASSAM	0.00	0.00	0.00	0.00	0.00	52.23	36.87	0.00	0.50	89.60	52.23	36.87	0.00	0.50	89.60
5	BIHAR	376.54	332.39	20.30	21.50	750.73	52519.71	40175.58	3097.00	3566.93	99359.22	52896.25	40507.97	3117.30	3588.43	100109.95
6	CHHATISGARH	273.17	168.76	0.30	0.53	442.76	9508.38	13205.96	65.40	11.79	22791.53	9781.55	13374.72	65.70	12.32	23234.29
7	GOA	0.00	24.54	72.26	2.83	99.63	18.06	418.54	2269.75	116.09	2822.44	18.06	443.08	2342.01	118.92	2922.07
8	GUJARAT	15215.41	15172.95	166.05	13.10	30567.51	220082.01	220056.50	2783.91	70.54	442992.96	235297.42	235229.45	2949.96	83.64	473560.47
9	HARYANA	135.22	134.22	0.00	0.00	269.44	4770.48	4747.91	2.00	0.00	9520.39	4905.70	4882.13	2.00	0.00	9789.83
10	HIMACHAL PRADESH	1.39	1.39	0.00	0.00	2.78	704.52	767.36	2.74	1.64	1476.26	705.91	768.75	2.74	1.64	1479.04
11	JAMMU & KASHMIR	1.00	1.00	0.00	0.00	2.00	4469.38	4272.37	0.00	1.00	8742.75	4470.38	4273.37	0.00	1.00	8744.75
12	JHARKHAND	121.31	71.49	9.10	10.56	212.46	132546.99	65466.53	7435.80	6700.30	212149.62	132668.30	65538.02	7444.90	6710.86	212362.08
13	KARNATAKA	1490.11	1055.33	49.08	725.63	3320.15	121073.11	28995.97	12412.30	14002.52	176483.90	122563.22	30051.30	12461.38	14728.15	179804.05
14	KERALA	300.32	419.88	902.55	100.19	1722.94	2477.31	3337.27	16346.26	2941.94	25102.78	2777.63	3757.15	17248.81	3042.13	26825.72
15	MADHYA PRADESH	209387.15	718663.26	7995.00	17056.18	953101.59	364575.09	2222597.20	21329.84	25832.03	2634334.16	573962.24	2941260.46	29324.84	42888.21	3587435.75
16	MAHARASHTRA	130968.74	105551.88	55593.27	1608.50	293722.39	2482265.66	1947169.71	411248.50	27352.12	4868035.99	2613234.40	2052721.59	466841.77	28960.62	5161758.38
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NAGALAND	0.00	0.00	0.00	0.00	0.00	13.00	13.00	0.00	0.00	26.00	13.00	13.00	0.00	0.00	26.00
20	ODISHA	7023.95	4472.84	22.01	3.97	11522.77	123585.56	74684.80	307.95	92.94	198671.25	130609.51	79157.64	329.96	96.91	210194.02
21	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	14.17	14.17	8.90	0.00	37.24	14.17	14.17	8.90	0.00	37.24
22	RAJASTHAN	17705.31	127009.84	82.00	825.92	145623.07	245947.82	2192893.05	2788.02	40518.49	2482147.38	263653.13	2319902.89	2870.02	41344.41	2627770.45
23	TAMIL NADU	72615.03	25986.30	30017.70	4688.02	133307.05	1827300.78	902430.72	524100.57	215216.92	3469048.99	1899915.81	928417.02	554118.27	219904.94	3602356.04

(In Hectares)

S.No.	State	Area Irrigated during 2017 -2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
24	TELENGANA	73905.97	66103.35	1032.44	0.00	141041.76	237412.24	166591.07	3737.28	2068.59	409809.18	311318.21	232694.42	4769.72	2068.59	550850.94
25	TRIPURA	0.00	0.00	0.00	0.00	0.00	3.65	4.50	0.00	0.00	8.15	3.65	4.50	0.00	0.00	8.15
26	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	955.83	908.40	71.28	30.65	1966.16	955.83	908.40	71.28	30.65	1966.16
27	UTTAR PRADESH	3061.08	3494.39	152.56	160.81	6868.84	108689.27	135913.68	27258.56	25087.77	296949.28	111750.35	139408.07	27411.12	25248.58	303818.12
28	WEST BENGAL	11.99	3.78	0.00	8.37	24.14	9891.32	8861.97	1551.77	4270.64	24575.70	9903.31	8865.75	1551.77	4279.01	24599.84
	Total	541595.93	1075781.89	96525.62	25295.94	1739199.38	5996639.25	8071547.39	1045419.38	369040.84	15482646.86	6538235.18	9147329.28	1141945.00	394336.78	17221846.24

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.20.3 SEASON WISE POTENTIAL UTILISED THROUGH DUGWELLS [TEMPORARILY NOT IN USE]

(In Hectares)

S. No.	State	Area Irrigated during 2017-2018													
		Inside Command of Major/Medium Project					Outside Command					Total			
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	15.77	8.71	4.96	6.10	35.54	15.77	8.71	4.96	6.10	35.54
2	ANDHRA PRADESH	290.82	184.42	22.28	6.70	504.22	6195.43	4423.96	1676.63	123.26	12419.28	6486.25	4608.38	1698.91	129.96	12923.50
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	36.00	18.00	5.00	4.00	63.00	36.00	18.00	5.00	4.00	63.00
4	ASSAM	80.00	65.00	0.00	50.00	195.00	48.00	32.00	0.00	1.30	81.30	128.00	97.00	0.00	51.30	276.30
5	BIHAR	8.80	9.30	6.00	7.50	31.60	343.48	269.65	127.87	119.83	860.83	352.28	278.95	133.87	127.33	892.43
6	CHHATISGARH	24.65	2.66	0.00	0.00	27.31	46.46	49.18	0.00	0.00	95.64	71.11	51.84	0.00	0.00	122.95
7	GOA	0.00	0.00	0.00	0.00	0.00	0.00	6.55	12.85	0.30	19.70	0.00	6.55	12.85	0.30	19.70
8	GUJARAT	187.55	185.05	0.10	0.35	373.05	1648.47	1657.78	0.50	0.00	3306.75	1836.02	1842.83	0.60	0.35	3679.80
9	HIMACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	0.11	0.56	0.00	0.00	0.67	0.11	0.56	0.00	0.00	0.67
10	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	3.45	2.40	0.00	0.00	5.85	3.45	2.40	0.00	0.00	5.85
11	JHARKHAND	14.22	7.48	6.50	1.50	29.70	528.01	327.14	30.02	37.64	922.81	542.23	334.62	36.52	39.14	952.51
12	KARNATAKA	23.56	0.00	0.00	0.00	23.56	123.54	64.75	22.35	31.39	242.03	147.10	64.75	22.35	31.39	265.59
13	KERALA	0.31	0.70	1.96	1.28	4.25	14.11	11.47	64.41	9.02	99.01	14.42	12.17	66.37	10.30	103.26
14	MADHYA PRADESH	1567.20	3131.72	84.22	136.09	4919.23	1785.04	7352.39	170.53	244.73	9552.69	3352.24	10484.11	254.75	380.82	14471.92
15	MAHARASHTRA	674.75	440.41	287.11	7.36	1409.63	5054.62	3611.63	816.26	85.70	9568.21	5729.37	4052.04	1103.37	93.06	10977.84
16	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(In Hectares)

S. No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
18	ODISHA	89.35	43.76	12.29	0.05	145.45	1503.89	748.07	9.59	3.02	2264.57	1593.24	791.83	21.88	3.07	2410.02
19	RAJASTHAN	42.48	274.45	0.00	4.50	321.43	892.07	7889.20	3.61	53.96	8838.84	934.55	8163.65	3.61	58.46	9160.27
20	TAMIL NADU	1210.60	533.53	451.32	259.43	2454.88	59431.72	25202.76	20719.02	4445.64	109799.14	60642.32	25736.29	21170.34	4705.07	112254.02
21	TELENGANA	49.62	28.88	0.00	0.00	78.50	1963.64	1159.47	6.13	48.75	3177.99	2013.26	1188.35	6.13	48.75	3256.49
22	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	49.50	52.50	0.00	0.00	102.00	49.50	52.50	0.00	0.00	102.00
23	UTTAR PRADESH	9.00	9.00	0.40	0.00	18.40	684.15	691.60	32.75	32.05	1440.55	693.15	700.60	33.15	32.05	1458.95
24	WEST BENGAL	0.00	0.00	0.00	0.00	0.00	1729.45	1841.52	145.88	829.25	4546.10	1729.45	1841.52	145.88	829.25	4546.10
	Total	4272.91	4916.36	872.18	474.76	10536.21	82096.91	55421.29	23848.36	6075.94	167442.50	86369.82	60337.65	24720.54	6550.70	177978.71

MINOR IRRIGATION CENSUS (2017-18)

TABLE 1.21 DISTRIBUTION OF DUGWELLS (IN USE) ACCORDING TO CONSTRAINTS IN UTILISATION OF POTENTIAL

(In Number)

S.No.	State	No. of Dug wells in use	No. of Dug wells without constraints	No. of Dug well Having Constraints in utilisation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	2247	1699	0	5	63	20	24	436	548
2	ANDHRA PRADESH	111306	84337	1329	1002	14726	2386	3248	4278	26969
3	ARUNACHAL PRADESH	14	9	0	0	0	0	0	5	5
4	ASSAM	26	25	0	0	0	0	0	1	1
5	BIHAR	15114	12063	80	291	1816	164	42	658	3051
6	CHHATISGARH	31140	21714	753	367	3361	511	235	4199	9426
7	GOA	3848	3559	4	3	94	10	3	175	289
8	GUJARAT	378945	378605	14	319	1	4	0	2	340
9	HARYANA	1005	1005	0	0	0	0	0	0	0
10	HIMACHAL PRADESH	415	367	0	3	12	0	1	32	48
11	JAMMU & KASHMIR	4719	4639	0	1	78	0	1	0	80
12	JHARKHAND	158045	124390	1705	2226	20938	1831	1318	5637	33655
13	KARNATAKA	133983	122156	4090	727	6644	45	74	247	11827
14	KERALA	51952	51232	36	55	175	13	10	431	720
15	MADHYA PRADESH	1314261	1257346	7375	2746	4788	1270	2680	38056	56915
16	MAHARASHTRA	2733860	1521508	87539	934772	124830	54	486	64671	1212352
17	MEGHALAYA	146	144	0	0	0	0	0	2	2
18	MIZORAM	32	32	0	0	0	0	0	0	0
19	NAGALAND	12	12	0	0	0	0	0	0	0

(In Number)

S.No.	State	No. of Dug wells in use	No. of Dug wells without constraints	No. of Dug well Having Constraints in utilisation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
20	ODISHA	236299	159335	956	4058	33769	7416	9009	21756	76964
21	PUDUCHERRY	37	31	0	0	0	0	6	0	6
22	RAJASTHAN	808367	638364	8028	4597	125076	4145	4595	23562	170003
23	TAMIL NADU	1427251	1303440	7668	9354	77245	1969	2664	24911	123811
24	TELENGANA	447972	387013	877	5599	50036	183	673	3591	60959
25	TRIPURA	4	4	0	0	0	0	0	0	0
26	UTTARAKHAND	378	371	0	0	1	1	1	4	7
27	UTTAR PRADESH	84091	76176	361	1322	1646	108	1187	3291	7915
28	WEST BENGAL	9649	6735	798	325	192	380	179	1040	2914
	Total	7955118	6156311	121613	967772	465491	20510	26436	196985	1798807

Shallow Tubewells

Tables

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.1: DISTRIBUTION OF SHALLOW TUBEWELLS ACCORDING TO OWNERSHIP

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	0	0	0	0	0	2	38	40	40
2	ANDHRA PRADESH	473	72	59	870	1474	3526	193162	196688	198162
3	ARUNACHAL PRADESH	18	0	0	0	18	0	0	0	18
4	ASSAM	1430	160	71	1311	2972	79494	68629	148123	151095
5	BIHAR	443	173	55	184	855	353	182670	183023	183878
6	CHHATISGARH	53	10	17	65	145	168	27562	27730	27875
7	GOA	27	2	1	0	30	2	39	41	71
8	GUJARAT	3661	966	177	182	4986	3608	294651	298259	303245
9	HARYANA	131	186	240	468	1025	13563	6304	19867	20892
10	HIMACHAL PRADESH	39	4	21	9	73	541	4641	5182	5255
11	JAMMU & KASHMIR	6	1	1	2	10	366	4390	4756	4766
12	JHARKHAND	650	100	59	78	887	97	627	724	1611
13	KARNATAKA	898	62	113	183	1256	67	113800	113867	115123
14	KERALA	8	0	84	16	108	67	2971	3038	3146
15	MADHYA PRADESH	1568	663	493	2069	4793	52244	362423	414667	419460
16	MAHARASHTRA	200	324	117	117	758	10352	119990	130342	131100
17	MEGHALAYA	5	0	0	3	8	0	795	795	803
18	MIZORAM	3	0	1	0	4	0	0	0	4
19	NAGALAND	2	0	0	0	2	8	0	8	10
20	ODISHA	583	118	215	83	999	399	41045	41444	42443

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
21	PUDUCHERRY	3	0	0	0	3	4	618	622	625
22	PUNJAB	94	4	468	119	685	365	180139	180504	181189
23	RAJASTHAN	62	98	34	98	292	9603	11522	21125	21417
24	TAMIL NADU	348	179	326	1385	2238	9501	77287	86788	89026
25	TELENGANA	117	46	34	70	267	355	76168	76523	76790
26	TRIPURA	136	1	2	5	144	31	834	865	1009
27	UTTARAKHAND	369	5	50	139	563	105	44170	44275	44838
28	UTTAR PRADESH	1667	235	315	218	2435	113	3331131	3331244	3333679
29	WEST BENGAL	3753	1150	1321	17348	23572	17089	186875	203964	227536
	Total	16747	4559	4274	25022	50602	202023	5332481	5534504	5585106

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.2.1: DISTRIBUTION OF SHALLOW TUBEWELLS ACCORDING TO SOCIAL STATUS OF OWNER

(In Number)

S.No.	State	No. of Shallow tube well owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	0	0	21	17	38	2	40
2	ANDHRA PRADESH	13258	3426	66551	109927	193162	5000	198162
3	ARUNACHAL PRADESH	0	0	0	0	0	18	18
4	ASSAM	1357	3586	4558	59128	68629	82466	151095
5	BIHAR	22193	4360	75177	80940	182670	1208	183878
6	CHHATISGARH	1899	5757	18344	1562	27562	313	27875
7	GOA	2	12	8	17	39	32	71
8	GUJARAT	74405	71810	72748	75688	294651	8594	303245
9	HARYANA	338	18	725	5223	6304	14588	20892
10	HIMACHAL PRADESH	388	114	2396	1743	4641	614	5255
11	JAMMU & KASHMIR	698	65	110	3517	4390	376	4766
12	JHARKHAND	82	216	271	58	627	984	1611
13	KARNATAKA	6626	6260	44029	56885	113800	1323	115123
14	KERALA	49	15	1649	1258	2971	175	3146
15	MADHYA PRADESH	22494	29073	235958	74898	362423	57037	419460
16	MAHARASHTRA	14976	15115	30119	59780	119990	11110	131100
17	MEGHALAYA	8	20	13	754	795	8	803
18	MIZORAM	0	0	0	0	0	4	4
19	NAGALAND	0	0	0	0	0	10	10
20	ODISHA	4370	2490	19828	14357	41045	1398	42443
21	PUDUCHERRY	21	0	542	55	618	7	625
22	PUNJAB	5029	424	8813	165873	180139	1050	181189

(In Number)

S.No.	State	No. of Shallow tube well owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
23	RAJASTHAN	1032	959	7620	1911	11522	9895	21417
24	TAMIL NADU	7860	671	60295	8461	77287	11739	89026
25	TELENGANA	8485	10488	41582	15613	76168	622	76790
26	TRIPURA	183	202	142	307	834	175	1009
27	UTTARAKHAND	3200	5569	26556	8845	44170	668	44838
28	UTTAR PRADESH	651637	57373	1811246	810875	3331131	2548	3333679
29	WEST BENGAL	59370	9385	34885	83235	186875	40661	227536
	Total	899960	227408	2564186	1640927	5332481	252625	5585106

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.2.2: DISTRIBUTION OF SHALLOW TUBEWELLS ACCORDING TO SOCIAL STATUS OF FEMALE OWNER

(In Number)

S.No.	State	No. of Shallow tube well owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	0	1	4	5
2	ANDHRA PRADESH	2848	693	10893	20872	35306
3	ASSAM	111	812	206	11366	12495
4	BIHAR	1144	267	1776	1557	4744
5	CHHATISGARH	225	722	1586	273	2806
6	GOA	0	4	1	4	9
7	GUJARAT	14539	14635	14484	14646	58304
8	HARYANA	14	2	24	288	328
9	HIMACHAL PRADESH	19	9	132	123	283
10	JAMMU & KASHMIR	13	2	3	94	112
11	JHARKHAND	9	11	5	3	28
12	KARNATAKA	1522	1400	7689	8165	18776
13	KERALA	12	4	399	271	686
14	MADHYA PRADESH	17767	23463	191820	56375	289425
15	MAHARASHTRA	2692	2621	7129	21650	34092
16	MEGHALAYA	0	0	0	5	5
17	ODISHA	80	52	350	154	636
18	PUDUCHERRY	3	0	38	6	47
19	PUNJAB	181	16	185	2657	3039
20	RAJASTHAN	98	76	469	150	793
21	TAMIL NADU	1100	106	8360	1257	10823
22	TELENGANA	1426	1536	6484	2574	12020
23	TRIPURA	8	10	4	6	28

(In Number)

S.No.	State	No. of Shallow tube well owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
24	UTTARAKHAND	162	157	1125	353	1797
25	UTTAR PRADESH	35227	3191	52055	26484	116957
26	WEST BENGAL	1602	278	510	986	3376
	Total	80802	50067	305728	170323	606920

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.3.1: DISTRIBUTION OF SHALLOW TUBEWELLS ACCORDING TO THE INDIVIDUAL OWNER'S HOLDING SIZE

(In Number)

S.No,	State	No. of Shallow tube well by size class of owned					
		Marginal (0 -1 ha)	Small (1-2 ha)	Semi-Medium (2 - 4 ha)	Medium (4 -10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	12	12	9	5	0	38
2	ANDHRA PRADESH	123940	46139	18364	3655	1064	193162
3	ASSAM	43428	13236	7676	4114	175	68629
4	BIHAR	57381	64736	37750	18924	3879	182670
5	CHHATISGARH	10141	9608	5379	2189	245	27562
6	GOA	26	7	2	4	0	39
7	GUJARAT	131551	116940	37357	8515	288	294651
8	HARYANA	412	1007	2368	1832	685	6304
9	HIMACHAL PRADESH	2290	1316	748	223	64	4641
10	JAMMU & KASHMIR	2115	1517	664	88	6	4390
11	JHARKHAND	266	203	116	26	16	627
12	KARNATAKA	50942	38330	17778	5908	842	113800
13	KERALA	2769	156	32	12	2	2971
14	MADHYA PRADESH	100588	116707	95884	45160	4084	362423
15	MAHARASHTRA	33640	46399	27606	10275	2070	119990
16	MEGHALAYA	56	387	338	14	0	795
17	ODISHA	16885	13687	8962	1223	288	41045
18	PUDUCHERRY	466	100	46	5	1	618
19	PUNJAB	13062	29415	72993	53818	10851	180139
20	RAJASTHAN	2809	3137	2740	2050	786	11522
21	TAMIL NADU	43582	17292	8196	4200	4017	77287
22	TELENGANA	45587	15145	11902	3274	260	76168

(In Number)

S.No,	State	No. of Shallow tube well by size class of owned					
		Marginal (0 -1 ha)	Small (1-2 ha)	Semi-Medium (2 - 4 ha)	Medium (4 -10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	TRIPURA	390	289	131	24	0	834
24	UTTARAKHAND	6514	14268	18510	4689	189	44170
25	UTTAR PRADESH	2306657	677002	269130	63135	15207	3331131
26	WEST BENGAL	106009	73081	7784	1	0	186875
	Total	3101518	1300116	652465	233363	45019	5332481

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.3.2: DISTRIBUTION OF SHALLOW TUBEWELLS ACCORDING TO THE INDIVIDUAL FEMALE OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. Shallow tubewells by size class of owner					
		Marginal (0 -1 ha)	Small (1 - 2 ha)	Semi - Medium (2- 4 ha)	Medium (4 - 10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	0	3	1	1	0	5
2	ANDHRA PRADESH	23523	8135	3007	478	163	35306
3	ASSAM	12079	173	101	107	35	12495
4	BIHAR	1359	1273	876	721	515	4744
5	CHHATISGARH	1131	935	489	220	31	2806
6	GOA	7	2	0	0	0	9
7	GUJARAT	27435	22465	6963	1415	26	58304
8	HARYANA	19	49	135	98	27	328
9	HIMACHAL PRADESH	158	76	44	5	0	283
10	JAMMU & KASHMIR	60	39	9	3	1	112
11	JHARKHAND	8	10	9	1	0	28
12	KARNATAKA	8809	6297	2666	878	126	18776
13	KERALA	632	43	6	5	0	686
14	MADHYA PRADESH	80050	91512	77483	36942	3438	289425
15	MAHARASHTRA	9288	13416	7628	3006	754	34092
16	MEGHALAYA	0	4	1	0	0	5
17	ODISHA	381	126	110	19	0	636
18	PUDUCHERRY	34	7	6	0	0	47
19	PUNJAB	202	468	1406	835	128	3039
20	RAJASTHAN	261	204	185	101	42	793
21	TAMIL NADU	6634	2234	928	390	637	10823
22	TELENGANA	7291	2507	1693	495	34	12020

(In Number)

S.No.	State	No. Shallow tubewells by size class of owner					
		Marginal (0 -1 ha)	Small (1 - 2 ha)	Semi - Medium (2- 4 ha)	Medium (4 - 10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	TRIPURA	14	7	7	0	0	28
24	UTTARAKHAND	329	661	635	164	8	1797
25	UTTAR PRADESH	90650	17909	6224	1705	469	116957
26	WEST BENGAL	2330	923	123	0	0	3376
	Total	272684	169478	110735	47589	6434	606920

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.4: DISTRIBUTION OF SHALLOW TUBEWELLS AND COST OF CONSTRUCTION

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Shallow Tube Wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	21	285.00	0	0.00	15	185.00	1	25.00	3	29.50	40	524.50
2	ANDHRA PRADESH	154617	4132872.60	21661	597277.59	9842	333886.49	6701	221549.34	5341	174410.90	198162	5459996.91
3	ARUNACHAL PRADESH	18	1780.00	0	0.00	0	0.00	0	0.00	0	0.00	18	1780.00
4	ASSAM	93658	1219764.61	29947	321040.30	7237	121409.91	11431	177593.02	8822	147841.82	151095	1987649.65
5	BIHAR	74767	1359413.96	36812	725920.01	23300	466023.22	16763	352858.99	32236	669545.31	183878	3573761.48
6	CHHATISGARH	17955	517318.94	4411	143562.79	2516	96466.69	1661	66592.65	1332	54257.14	27875	878198.21
7	GOA	40	3593.10	16	1399.03	4	355.00	3	40.00	8	555.00	71	5942.13
8	GUJARAT	302224	12889620.21	53	2676.00	49	3255.56	905	49474.00	14	1550.00	303245	12946575.76
9	HARYANA	9717	442787.47	3505	188783.60	2853	131423.28	1080	53371.60	3737	150633.35	20892	966999.29
10	HIMACHAL PRADESH	4520	251506.23	358	33776.62	129	11335.45	167	15473.75	81	7832.75	5255	319924.80
11	JAMMU & KASHMIR	2761	95419.72	883	24535.40	399	10693.00	197	5801.50	526	17878.00	4766	154327.62
12	JHARKHAND	1014	60357.84	215	15103.08	184	17682.42	109	7815.42	89	6113.82	1611	107072.58
13	KARNATAKA	49012	3110033.55	22249	1494286.38	15857	1127918.78	12223	858994.47	15782	1139024.22	115123	7730257.39
14	KERALA	2175	56379.20	543	21088.90	249	12173.00	105	4107.74	74	3112.00	3146	96860.84
15	MADHYA PRADESH	182400	907710.02	81961	519977.47	67613	427657.08	50591	329185.29	36895	308830.76	419460	2493360.62
16	MAHARASHTRA	79952	3721994.23	9418	554767.94	9298	567653.24	19247	1228731.39	13185	860082.15	131100	6933228.94
17	MEGHALAYA	16	372.00	10	233.00	10	260.00	80	1965.50	687	17617.50	803	20448.00
18	MIZORAM	4	90.00	0	0.00	0	0.00	0	0.00	0	0.00	4	90.00
19	NAGALAND	10	405.99	0	0.00	0	0.00	0	0.00	0	0.00	10	405.99
20	ODISHA	30081	683621.90	6602	187792.35	3595	105354.82	1532	53402.91	633	21413.87	42443	1051585.85

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Shallow Tube Wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
21	PUDUCHERRY	390	16836.01	94	4644.00	3	175.00	2	110.00	136	7545.00	625	29310.01
22	PUNJAB	144202	5662186.38	17335	895666.59	7689	368386.30	7812	341880.45	4151	176822.04	181189	7444941.76
23	RAJASTHAN	15968	963881.20	2491	130145.08	1698	96106.16	1007	52125.19	253	13716.40	21417	1255974.03
24	TAMIL NADU	76863	3173368.81	4681	217270.53	1393	67396.16	1427	64254.01	4662	238924.76	89026	3761214.27
25	TELENGANA	57362	2083680.11	8127	352443.10	4780	215913.98	2633	141942.76	3888	230262.85	76790	3024242.80
26	TRIPURA	258	25638.10	168	13618.20	147	13909.90	183	14459.59	253	19260.45	1009	86886.24
27	UTTARAKHAND	40126	1116802.83	2376	82793.47	1283	44331.42	597	23245.90	456	23139.56	44838	1290313.18
28	UTTAR PRADESH	2658296	67848086.90	250788	6472527.25	164861	4305615.17	114174	2816904.10	145549	3518751.00	3333668	84961884.42
29	WEST BENGAL	125163	3270577.88	46836	1268253.61	26185	720453.56	15932	466317.68	13420	376624.39	227536	6102227.11
	Total	4123590	113616385	551540	14269582	351189	9266021	266563	7348222	292213	8185775	5585095	152685984.4

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.5.1: DISTRIBUTION OF SHALLOW TUBEWELLS BY COST OF MAINTENANCE IN THE REFERENCE YEAR

(In Number)

S.No.	State	No. of Shallow tube well according to the annual cost of maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	40	0	0	0	0	40
2	ANDHRA PRADESH	42197	140871	14567	519	8	198162
3	ARUNACHAL PRADESH	18	0	0	0	0	18
4	ASSAM	30556	119887	652	0	0	151095
5	BIHAR	122516	58011	3347	4	0	183878
6	CHHATISGARH	17590	9994	291	0	0	27875
7	GOA	57	11	3	0	0	71
8	GUJARAT	79508	221904	1833	0	0	303245
9	HARYANA	2388	16562	1728	214	0	20892
10	HIMACHAL PRADESH	3134	2085	36	0	0	5255
11	JAMMU & KASHMIR	2706	2047	13	0	0	4766
12	JHARKHAND	1552	52	6	1	0	1611
13	KARNATAKA	22182	61227	29126	2586	2	115123
14	KERALA	2026	1108	12	0	0	3146
15	MADHYA PRADESH	412814	5231	1361	54	0	419460
16	MAHARASHTRA	49411	70537	10995	130	27	131100
17	MEGHALAYA	4	797	2	0	0	803
18	MIZORAM	3	1	0	0	0	4
19	NAGALAND	10	0	0	0	0	10
20	ODISHA	30778	11422	233	10	0	42443
21	PUDUCHERRY	72	532	21	0	0	625
22	PUNJAB	78773	94793	7613	10	0	181189
23	RAJASTHAN	3083	15370	2803	160	1	21417
24	TAMIL NADU	17248	63567	8124	83	4	89026

(In Number)

S.No.	State	No. of Shallow tube well according to the annual cost of maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TELENGANA	10491	60531	5687	81	0	76790
26	TRIPURA	332	676	1	0	0	1009
27	UTTARAKHAND	16009	28018	801	9	1	44838
28	UTTAR PRADESH	1370212	1912319	51012	133	3	3333679
29	WEST BENGAL	27286	200250	0	0	0	227536
	Total	2342996	3097803	140267	3994	46	5585106

MINOR IRRIGATION CENSUS (2017-18)

Table. 2.5.2: AVERAGE COST OF CONSTRUCTION, MACHINERY, ANNUAL MAINTENANCE AND AVERAGE AMOUNT OF SUBSIDY RECEIVED FOR SHALLOW TUBEWELLS

(Amount in thousands)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Shallow tube well for which subsidy was received	Average amount of subsidy	No. of Shallow tube well for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	13	6	0	0	0	0	0
2	ANDHRA PRADESH	28	26	5	15626	19	18917	18
3	ARUNACHAL PRADESH	99	31	0	0	0	0	0
4	ASSAM	13	19	2	13791	5	32226	14
5	BIHAR	19	17	1	8682	4	8315	5
6	CHHATISGARH	32	23	2	1670	23	2001	17
7	GOA	84	18	2	1	60	1	20
8	GUJARAT	43	24	2	798	9	403	3
9	HARYANA	46	33	6	363	19	277	14
10	HIMACHAL PRADESH	61	20	2	129	69	71	17
11	JAMMU & KASHMIR	32	19	1	210	11	209	11
12	JHARKHAND	66	5	0	930	63	238	12
13	KARNATAKA	67	51	11	8837	62	8747	42
14	KERALA	31	10	1	116	8	219	5
15	MADHYA PRADESH	6	33	0	47169	22	62034	26
16	MAHARASHTRA	53	21	4	1826	23	1764	8
17	MEGHALAYA	25	20	3	0	0	0	0
18	MIZORAM	23	26	1	0	0	0	0
19	NAGALAND	41	31	0	2	41	2	31

(Amount in thousands)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Shallow tube well for which subsidy was received	Average amount of subsidy	No. of Shallow tube well for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
20	ODISHA	25	14	1	6156	20	8856	11
21	PUDUCHERRY	47	19	5	0	0	1	0
22	PUNJAB	41	23	2	245	18	551	3
23	RAJASTHAN	59	46	7	355	6	6099	13
24	TAMIL NADU	42	25	5	6150	16	6246	10
25	TELENGANA	39	30	6	12443	16	12235	14
26	TRIPURA	86	28	2	47	50	46	23
27	UTTARAKHAND	29	17	3	141	86	109	52
28	UTTAR PRADESH	25	22	2	1187386	7	55565	4
29	WEST BENGAL	27	14	2	3822	6	3822	2
	Total	27	23	2	1316895	8	228954	15

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.6: DISTRIBUTION OF SHALLOW TUBEWELLS UNDER INDIVIDUAL OWNERSHIP ACCORDING TO MAJOR SOURCE OF FINANCE

(In Number)

S.No.	State	With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0	0	21	0	0	21	0	0	0	0	0	0	17	17	38
2	ANDHRA PRADESH	2079	409	128471	4928	5491	141378	6187	2758	20218	226	737	105	21553	51784	193162
3	ASSAM	169	3	1078	0	26	1276	18	11	12	23	1	1	67287	67353	68629
4	BIHAR	60	85	12221	51	234	12651	10880	2978	3276	5504	84	151	147146	170019	182670
5	CHHATISGARH	20	109	2408	1	83	2621	1194	1710	38	105	2	1	21891	24941	27562
6	GOA	1	0	6	0	0	7	2	1	0	0	0	0	29	32	39
7	GUJARAT	13267	7480	125311	1250	130881	278189	1642	592	74	69	45	56	13984	16462	294651
8	HARYANA	73	159	3622	83	628	4565	47	5	24	9	1	1	1652	1739	6304
9	HIMACHAL PRADESH	10	9	926	0	52	997	237	74	6	4	0	0	3323	3644	4641
10	JAMMU & KASHMIR	1	92	3478	1	3	3575	0	140	0	0	0	0	675	815	4390
11	JHARKHAND	5	13	75	0	8	101	17	87	2	18	1	0	401	526	627
12	KARNATAKA	9089	597	79032	604	1570	90892	8440	94	5844	166	280	1	8083	22908	113800
13	KERALA	4	8	1603	5	55	1675	38	200	36	5	4	0	1013	1296	2971
14	MADHYA PRADESH	15448	3835	227712	3220	47993	298208	1847	968	1342	871	166	124	58897	64215	362423
15	MAHARASHTRA	16932	6658	93206	619	1819	119234	147	26	1	16	0	3	563	756	119990
16	MEGHALAYA	0	1	714	0	0	715	1	0	0	0	0	0	79	80	795
17	ODISHA	111	315	5724	13	32	6195	1419	8115	4646	252	30	100	20288	34850	41045
18	PUDUCHERRY	0	0	1	0	0	1	1	0	0	0	0	0	616	617	618
19	PUNJAB	1393	523	124510	2294	3680	132400	536	79	4258	14	2	2	42848	47739	180139

(In Number)

S.No.	State	With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
20	RAJASTHAN	229	54	7071	25	192	7571	1768	50	319	25	30	1	1758	3951	11522
21	TAMIL NADU	953	201	37186	58	347	38745	2912	230	1309	106	26	15	33944	38542	77287
22	TELENGANA	213	153	10109	302	19	10796	1944	179	32976	122	364	51	29736	65372	76168
23	TRIPURA	1	691	125	0	0	817	0	14	0	3	0	0	0	17	834
24	UTTARAKHAND	3	11	1295	0	19	1328	16766	91	570	184	69	6	25156	42842	44170
25	UTTAR PRADESH	20875	101759	1378868	3332	13803	1518637	97055	731940	13366	12915	1188	3101	952929	1812494	3331131
26	WEST BENGAL	2612	1210	167775	7215	8063	186875	0	0	0	0	0	0	0	0	186875
	Total	83548	124375	2412548	24001	214998	2859470	153098	750342	88317	20637	3030	3719	1453868	2473011	5332481

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.7: DISTRIBUTION OF SHALLOW TUBEWELLS BY STATUS OF UTILISATION

(In Number)

S.No.	State	Shallow tube well in use	Shallowtube well not in use			Grand Total (3+6)	Number of Schemes meant only for re charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDAMAN & NICOBAR ISLANDS	40	0	0	0	40	0	0	0
2	ANDHRA PRADESH	186050	8734	3378	12112	198162	11	0	11
3	ARUNACHAL PRADESH	3	8	7	15	18	0	0	0
4	ASSAM	147501	1590	2004	3594	151095	36	0	36
5	BIHAR	182302	978	598	1576	183878	19912	712	20624
6	CHHATISGARH	27805	55	15	70	27875	561	10	571
7	GOA	69	2	0	2	71	0	0	0
8	GUJARAT	300629	1744	872	2616	303245	237	0	237
9	HARYANA	20873	17	2	19	20892	211	1	212
10	HIMACHAL PRADESH	5233	17	5	22	5255	1	1	2
11	JAMMU & KASHMIR	4763	2	1	3	4766	1	0	1
12	JHARKHAND	1568	34	9	43	1611	135	8	143
13	KARNATAKA	114257	338	528	866	115123	11192	132	11324
14	KERALA	3118	11	17	28	3146	8	23	31
15	MADHYA PRADESH	417257	1253	950	2203	419460	3460	47	3507
16	MAHARASHTRA	130550	387	163	550	131100	4173	112	4285
17	MEGHALAYA	802	0	1	1	803	1	1	2
18	MIZORAM	1	3	0	3	4	0	2	2
19	NAGALAND	7	1	2	3	10	0	0	0
20	ODISHA	39126	2396	921	3317	42443	510	140	650
21	PUDUCHERRY	597	3	25	28	625	0	5	5
22	PUNJAB	181129	59	1	60	181189	66	1	67

(In Number)

S.No.	State	Shallow tube well in use	Shallowtube well not in use			Grand Total (3+6)	Number of Schemes meant only for re charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
23	RAJASTHAN	21138	200	79	279	21417	20	14	34
24	TAMIL NADU	85718	2487	821	3308	89026	13077	1238	14315
25	TELENGANA	74297	1876	617	2493	76790	2578	198	2776
26	TRIPURA	863	112	34	146	1009	0	0	0
27	UTTARAKHAND	44622	8	208	216	44838	51	6	57
28	UTTAR PRADESH	3292278	33768	7633	41401	3333679	15168	6447	21615
29	WEST BENGAL	217683	5677	4176	9853	227536	0	180	180
	Total	5500279	61760	23067	84827	5585106	71409	9278	80687

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.8: DISTRIBUTION OF SHALLOW TUBEWELLS TEMPORARILY NOT IN USE BY REASON

(In Number/In Ha)

S.No.	State	Non Availability of Adequate Power/Fuel		Mechanical Break Down		Less discharge of Water		Non -Availability of Finance		Lack of Maintenance		Others		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDHRA PRADESH	238	201.12	682	380.83	6528	4453.19	342	193.92	212	136.77	732	326.46	8734	5692.29
2	ARUNACHAL PRADESH	1	13.00	3	74.00	1	4.00	2	23.50	1	13.00	0	0.00	8	127.50
3	ASSAM	49	84.70	713	566.91	48	42.00	48	64.40	11	8.50	721	533.26	1590	1299.77
4	BIHAR	53	3.00	174	129.33	333	230.00	32	29.66	112	196.00	274	426.99	978	1014.98
5	CHHATISGARH	11	13.66	12	8.09	11	7.39	0	0.00	2	0.00	19	15.96	55	45.10
6	GOA	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00	0	0.00	2	0.00
7	GUJARAT	0	0.00	1739	699.12	0	0.00	0	0.00	1	0.58	4	2.00	1744	701.70
8	HARYANA	1	0.00	1	10.00	0	0.00	0	0.00	1	0.00	14	0.00	17	10.00
9	HIMACHAL PRADESH	3	0.25	6	0.00	0	0.00	1	0.00	0	0.00	7	2.00	17	2.25
10	JAMMU & KASHMIR	1	0.00	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	2	0.00
11	JHARKHAND	1	0.00	7	2.10	21	14.85	1	0.10	1	0.80	3	0.20	34	18.05
12	KARNATAKA	57	1.80	46	1.69	191	16.03	1	0.00	15	2.00	28	1.27	338	22.79
13	KERALA	0	0.00	0	0.00	1	0.00	0	0.00	0	0.00	10	0.00	11	0.00
14	MADHYA PRADESH	107	29.05	159	100.85	554	147.03	46	12.93	18	8.09	369	131.12	1253	429.07
15	MAHARASHTRA	70	7.32	42	5.32	169	29.96	0	0.00	0	0.00	106	21.29	387	63.89
16	MIZORAM	0	0.00	2	0.00	0	0.00	0	0.00	0	0.00	1	0.00	3	0.00
17	NAGALAND	0	0.00	0	0.00	0	0.00	0	0.00	1	9.00	0	0.00	1	9.00
18	ODISHA	48	74.45	961	2712.22	207	399.95	60	151.99	214	513.21	906	2355.98	2396	6207.80
19	PUDUCHERRY	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	0.00	3	0.00
20	PUNJAB	56	6.38	1	0.00	1	0.00	1	0.00	0	0.00	0	0.00	59	6.38
21	RAJASTHAN	5	37.00	14	23.32	99	221.01	1	0.00	3	11.20	78	113.98	200	406.51
22	TAMIL NADU	188	14.96	252	52.32	1353	174.31	72	14.92	137	67.89	485	128.08	2487	452.48
23	TELENGANA	24	17.11	65	4.87	1737	522.35	14	1.67	14	3.16	22	0.52	1876	549.68

(In Number/In Ha)

S.No.	State	Non Availability of Adequate Power/Fuel		Mechanical Break Down		Less discharge of Water		Non -Availability of Finance		Lack of Maintenance		Others		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
24	TRIPURA	2	0.90	100	50.00	0	0.00	0	0.00	0	0.00	10	1.70	112	52.60
25	UTTARAKHAND	1	0.40	0	0.00	0	0.00	0	0.00	1	0.00	6	0.45	8	0.85
26	UTTAR PRADESH	129	119.54	879	651.53	198	167.61	75	50.45	54	101.20	32433	22108.34	33768	23198.67
27	WEST BENGAL	635	449.57	874	663.60	415	317.42	284	226.34	159	111.34	3310	2061.98	5677	3830.25
	Total	1680	1074.21	6732	6136.10	11868	6747.10	980	769.88	959	1182.74	39541	28231.58	61760	44141.61

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.9: DISTRIBUTION OF SHALLOW TUBEWELLS PERMANENTLY NOT IN USE BY REASON

(In Number/In Ha)

S.No.	State	Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDHRA PRADESH	170	0.00	1784	0.00	540	0.00	14	0.00	2	0.00	236	0.00	632	0.00	3378	0.00
2	ARUNACHAL PRADESH	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	7	0.00	7	0.00
3	ASSAM	8	0.00	1637	0.00	32	0.00	0	0.00	0	0.00	0	0.00	327	0.00	2004	0.00
4	BIHAR	180	0.00	137	0.00	123	0.00	36	0.00	30	0.00	3	0.00	89	0.00	598	0.00
5	CHHATISGARH	2	0.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	11	0.00	15	0.00
6	GUJARAT	484	0.00	30	0.00	13	0.00	8	0.00	4	0.00	6	0.00	327	0.00	872	0.00
7	HARYANA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00	2	0.00
8	HIMACHAL PRADESH	0	0.00	1	0.00	1	0.00	0	0.00	0	0.00	0	0.00	3	0.00	5	0.00
9	JAMMU & KASHMIR	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	1	0.00
10	JHARKHAND	1	0.00	6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00	9	0.00
11	KARNATAKA	88	0.00	187	0.00	181	0.00	1	0.00	3	0.00	0	0.00	68	0.00	528	0.00
12	KERALA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	17	0.00	17	0.00
13	MADHYA PRADESH	30	0.00	352	0.00	52	0.00	14	0.00	10	0.00	10	0.00	482	0.00	950	0.00
14	MAHARASHTRA	5	0.00	127	0.00	12	0.00	5	0.00	5	0.00	0	0.00	9	0.00	163	0.00
15	MEGHALAYA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	1	0.00
16	NAGALAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00	2	0.00
17	ODISHA	34	0.00	136	0.00	226	0.00	25	0.00	4	0.00	3	0.00	493	0.00	921	0.00
18	PUDUCHERRY	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	25	0.00	25	0.00

(In Number/In Ha)

S.No.	State	Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
19	PUNJAB	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	1	0.00
20	RAJASTHAN	8	0.00	46	0.00	5	0.00	0	0.00	0	0.00	2	0.00	18	0.00	79	0.00
21	TAMIL NADU	177	0.00	273	0.00	65	0.00	7	0.00	1	0.00	5	0.00	293	0.00	821	0.00
22	TELENGANA	15	0.00	415	0.00	39	0.00	2	0.00	2	0.00	3	0.00	141	0.00	617	0.00
23	TRIPURA	0	0.00	9	0.00	0	0.00	0	0.00	0	0.00	0	0.00	25	0.00	34	0.00
24	UTTARAKHAND	14	0.00	95	0.00	42	0.00	0	0.00	0	0.00	0	0.00	57	0.00	208	0.00
25	UTTAR PRADESH	98	0.00	839	0.00	491	0.00	54	0.00	153	0.00	75	0.00	5923	0.00	7633	0.00
26	WEST BENGAL	339	0.00	186	0.00	517	0.00	67	0.00	64	0.00	211	0.00	2792	0.00	4176	0.00
	Total	1653	0.00	6262	0.00	2339	0.00	233	0.00	278	0.00	554	0.00	11748	0.00	23067	0.00

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.10: DISTRIBUTION OF SHALLOW TUBE WELLS IN USE ACCORDING TO WATER DISTRIBUTION SYSTEM AND POTENTIAL UTILISED

(In Number/In Ha)

S.No.	State	No. & IPU of Shallow Tube Well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLAND S	0	0.00	0	0.00	0	0.00	38	27.78	0	0.00	0	0.00	2	1.80	40	29.58
2	ANDHRA PRADESH	5955	12519.97	104579	145651.81	12805	18906.89	38679	53008.23	21659	28504.52	1971	2379.00	402	731.57	186050	261701.99
3	ARUNACH AL PRADESH	2	104.00	0	0.00	1	16.00	0	0.00	0	0.00	0	0.00	0	0.00	3	120.00
4	ASSAM	7570	15803.99	128778	160892.72	8737	4073.33	1402	1554.82	7	14.18	13	433.43	994	1193.98	147501	183966.45
5	BIHAR	1763	7727.05	10584	38699.87	6223	50556.25	163103	951439.12	123	779.57	10	32.00	496	2172.67	182302	1051406.53
6	CHHATISG ARH	918	1833.31	11983	24390.23	434	902.31	12173	25315.30	91	230.02	195	609.54	2011	3360.26	27805	56640.97
7	GOA	21	17.40	11	10.25	5	5.21	15	5.04	4	6.45	12	16.58	1	0.60	69	61.53
8	GUJARAT	14568	42694.72	101508	246146.43	11297	22817.52	150134	3625 24.34	21722	45436.67	655	517.21	745	2402.28	300629	722539.17
9	HARYANA	3423	29760.00	13533	111883.47	2446	15960.25	956	5087.02	46	98.78	302	1458.37	167	778.00	20873	165025.89
10	HIMACHAL PRADESH	355	1056.59	3457	6159.27	116	558.70	1299	2968.20	2	1.72	3	3.90	1	0.70	5233	10749.08
11	JAMMU & KASHMIR	497	849.56	2781	5815.05	6	9.94	1445	2004.56	2	1.80	1	2.00	31	43.64	4763	8726.55
12	JHARKHAND	52	82.61	584	852.97	37	72.29	741	1446.69	3	1.65	0	0.00	151	308.03	1568	2764.24
13	KARNATAKA	9164	13366.24	7876	12709.33	51342	76219.46	20547	37414.91	20386	25519.74	3521	4497.77	1421	1360.29	114257	171087.74
14	KERALA	61	25.81	326	160.48	479	127.79	2027	765.21	69	125.48	99	37.64	57	48.83	3118	1291.24
15	MADHYA PRADESH	2305	8111.60	39437	148042.95	44479	153816.55	26507 5	1138680.09	3550	12965.94	59241	222123.59	3170	10439.26	417257	1694179.98
16	MAHARAS HTRA	6481	13506.32	25278	37419.33	82692	165379.25	6482	12299.19	1355	2564.92	542	1031.39	7720	14030.76	130550	246231.16
17	MEGHALAYA	10	32.00	788	1996.50	1	2.50	2	2.50	0	0.00	0	0.00	1	0.00	802	2033.50

(In Number/In Ha)

S.No.	State	No. & IPU of Shallow Tube Well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
18	MIZORAM	0	0.00	0	0.00	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	1	0.00
19	NAGALAND	2	7.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	5	10.00	7	17.00
20	ODISHA	721	1151.31	13821	26870.62	579	1618.72	23258	34167.35	41	67.75	407	634.86	299	405.62	39126	64916.23
19	NAGALAND	2	7.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	5	10.00	7	17.00
20	ODISHA	721	1151.31	13821	26870.62	579	1618.72	23258	34167.35	41	67.75	407	634.86	299	405.62	39126	64916.23
21	PUDUCHERRY	510	682.18	41	75.38	38	71.57	8	15.04	0	0.00	0	0.00	0	0.00	597	844.17
22	PUNJAB	19504	89875.15	157899	686526.41	2794	13867.32	6	13.92	5	10.86	0	0.00	921	5813.21	181129	796106.87
23	RAJASTHAN	405	1415.16	1949	7815.75	1563	9385.52	13495	80908.60	187	473.37	3480	26308.40	59	282.58	21138	126589.38
24	TAMIL NADU	14964	28735.60	51717	160026.50	14086	52395.46	2343	6110.16	1663	5156.26	91	179.49	854	2644.19	85718	255247.66
25	TELENGANA	11906	33503.67	9234	11361.40	36336	49449.91	12550	19899.07	1009	1237.27	3184	6186.32	78	118.45	74297	121756.09
26	TRIPURA	25	55.40	446	995.04	304	696.22	88	187.80	0	0.00	0	0.00	0	0.00	863	1934.46
27	UTTARAKHAND	2720	9658.71	41712	159717.20	125	868.99	41	110.41	1	4.90	0	0.00	23	78.27	44622	170438.48
28	UTTAR PRADESH	64253	353180.25	1639130	6940148.91	21808	96158.47	1538297	5592721.47	3287	10452.27	3839	16091.71	21664	153882.75	3292278	13162635.83
29	WEST BENGAL	23067	97320.36	99682	443408.46	9098	51848.62	79149	293075.14	265	1105.24	1607	5957.04	4815	13076.12	217683	905790.98
	Total	191222	763075.96	2467134	9377776.33	307831	785785.04	2333354	8621751.96	75477	134759.36	79173	288500.24	46088	213183.86	5500279	20184832.75

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.11: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SHALLOW TUBEWELLS ACCORDING TO WATER LIFTING DEVICES

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	0	39	0	1	0	40
2	ANDHRA PRADESH	105363	83895	3605	65	1856	194784
3	ARUNACHAL PRADESH	6	5	0	0	0	11
4	ASSAM	24318	67733	56058	32	950	149091
5	BIHAR	34626	131155	6744	2888	7867	183280
6	CHHATISGARH	26771	440	463	30	156	27860
7	GOA	55	11	1	1	3	71
8	GUJARAT	291515	9854	84	165	755	302373
9	HARYANA	12339	6544	765	0	1242	20890
10	HIMACHAL PRADESH	3138	1865	7	2	238	5250
11	JAMMU & KASHMIR	3219	1342	5	2	197	4765
12	JHARKHAND	239	817	107	221	218	1602
13	KARNATAKA	113289	940	146	7	213	114595
14	KERALA	990	2028	29	69	13	3129
15	MADHYA PRADESH	397072	11326	4605	556	4951	418510
16	MAHARASHTRA	99564	23513	1061	74	6725	130937
17	MEGHALAYA	0	65	0	2	735	802
18	MIZORAM	2	0	0	1	1	4
19	NAGALAND	1	7	0	0	0	8
20	ODISHA	9329	31027	570	420	176	41522
21	PUDUCHERRY	583	17	0	0	0	600
22	PUNJAB	109188	70693	66	2	1239	181188

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	RAJASTHAN	10420	5055	674	21	5168	21338
24	TAMIL NADU	48498	36427	990	393	1897	88205
25	TELENGANA	61736	12823	767	362	485	76173
26	TRIPURA	941	31	2	0	1	975
27	UTTARAKHAND	16399	28125	47	2	57	44630
28	UTTAR PRADESH	273861	3007452	9458	0	35275	3326046
29	WEST BENGAL	45573	163476	6970	348	6993	223360
	Total	1689035	3696705	93224	5664	77411	5562039

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.12: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SHALLOW TUBEWELLS ACCORDING TO SOURCE OF ENERGY

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	37	2	0	0	1	0	40
2	ANDHRA PRADESH	172737	19351	47	1856	65	728	194784
3	ARUNACHAL PRADESH	2	9	0	0	0	0	11
4	ASSAM	70998	78010	6	10	32	35	149091
5	BIHAR	26682	152927	221	131	2888	431	183280
6	CHHATISGARH	27435	71	14	254	30	56	27860
7	GOA	64	6	0	0	1	0	71
8	GUJARAT	295908	394	5738	6	165	162	302373
9	HARYANA	15192	5421	7	20	0	250	20890
10	HIMACHAL PRADESH	4896	350	1	0	2	1	5250
11	JAMMU & KASHMIR	4677	82	1	0	2	3	4765
12	JHARKHAND	563	728	12	35	221	43	1602
13	KARNATAKA	114114	238	24	31	7	181	114595
14	KERALA	3014	39	1	0	69	6	3129
15	MADHYA PRADESH	414398	1841	60	476	556	1179	418510
16	MAHARASHTRA	127863	745	179	9	74	2067	130937
17	MEGHALAYA	26	773	1	0	2	0	802
18	MIZORAM	3	0	0	0	1	0	4
19	NAGALAND	0	4	0	3	0	1	8
20	ODISHA	28127	11514	68	31	420	1362	41522

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
21	PUDUCHERRY	599	1	0	0	0	0	600
22	PUNJAB	156216	24751	61	76	2	82	181188
23	RAJASTHAN	10932	10254	30	24	21	77	21338
24	TAMIL NADU	77281	9834	100	42	393	555	88205
25	TELENGANA	75271	507	10	9	362	14	76173
26	TRIPURA	950	25	0	0	0	0	975
27	UTTARAKHAND	19200	25382	8	3	2	35	44630
28	UTTAR PRADESH	400912	2923196	83	1812	0	43	3326046
29	WEST BENGAL	73664	147486	350	582	348	930	223360
	Total	2121761	3413941	7022	5410	5664	8241	5562039

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.13: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SHALLOW TUBEWELLS ACCORDING TO HORSE POWER OF LIFTING DEVICE

(In Number)

S.No.	State	No. of Shallow tube well by horse power of lifting devices								Total (9 to 10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	37	0	2	0	0	0	39	1	40
2	ANDHRA PRADESH	13126	46613	111136	17224	5000	1620	194719	65	194784
3	ARUNACHAL PRADESH	0	0	4	0	5	2	11	0	11
4	ASSAM	3713	18464	126358	9	418	97	149059	32	149091
5	BIHAR	17316	24395	122180	12262	3720	519	180392	2888	183280
6	CHHATISGARH	888	1235	25692	4	4	7	27830	30	27860
7	GOA	23	14	23	2	8	0	70	1	71
8	GUJARAT	4642	86711	142846	46758	21027	389	302373	0	302373
9	HARYANA	321	106	1733	3380	10400	495	20890	0	20890
10	HIMACHAL PRADESH	1249	742	1992	994	225	46	5248	2	5250
11	JAMMU & KASHMIR	206	986	3487	47	30	7	4763	2	4765
12	JHARKHAND	932	134	284	21	4	6	1381	221	1602
13	KARNATAKA	1148	793	42132	32499	25342	12674	114588	7	114595
14	KERALA	2449	173	435	2	0	1	3060	69	3129
15	MADHYA PRADESH	55195	86675	209457	46115	14836	5676	417954	556	418510
16	MAHARASHTRA	59	285	128162	1607	520	230	130863	74	130937
17	MEGHALAYA	7	0	792	1	0	0	800	2	802
18	MIZORAM	3	0	0	0	0	0	3	1	4
19	NAGALAND	0	0	8	0	0	0	8	0	8
20	ODISHA	28612	7411	4767	100	120	92	41102	420	41522

(In Number)

S.No.	State	No. of Shallow tube well by horse power of lifting devices								Total (9 to 10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
21	PUDUCHERRY	2	1	167	155	194	81	600	0	600
22	PUNJAB	947	21432	80992	45207	22842	9766	181186	2	181188
23	RAJASTHAN	107	528	4022	7452	5881	3327	21317	21	21338
24	TAMIL NADU	6242	8289	47142	19056	3448	3635	87812	393	88205
25	TELENGANA	698	5222	61518	7999	337	37	75811	362	76173
26	TRIPURA	757	206	12	0	0	0	975	0	975
27	UTTARAKHAND	912	212	9154	27318	6931	101	44628	2	44630
28	UTTAR PRADESH	32516	87120	632008	1991914	556092	26385	3326035	11	3326046
29	WEST BENGAL	0	34157	188855	0	0	0	223012	348	223360
	Total	172107	431904	1945360	2260126	677384	69648	5556529	5510	5562039

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.14: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SHALLOW TUBEWELLS ACCORDING TO TOTAL PUMPING HOURS OF OPERATION

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	39	0	0	0	0	0	39	29	10	0	0	0	0	39
2	ANDHRA PRADESH	97390	26845	20639	28848	17154	3843	194719	91882	30280	25405	23725	18271	5156	194719
3	ARUNACHAL PRADESH	6	5	0	0	0	0	11	9	1	1	0	0	0	11
4	ASSAM	135234	12518	941	185	132	49	149059	129446	9577	6264	2166	749	857	149059
5	BIHAR	119945	40882	10950	3724	1637	3254	180392	140029	29443	5799	2487	1010	1624	180392
6	CHHATISGARH	14231	9171	2096	1534	367	431	27830	6268	4625	7089	3484	1889	4475	27830
7	GOA	70	0	0	0	0	0	70	64	5	1	0	0	0	70
8	GUJARAT	302353	8	2	4	4	2	302373	2433	252185	47284	466	0	5	302373
9	HARYANA	6726	8473	3707	1114	592	278	20890	9112	8229	1650	528	397	974	20890
10	HIMACHAL PRADESH	4466	332	57	31	14	348	5248	4036	803	83	69	52	205	5248
11	JAMMU & KASHMIR	1038	1767	931	564	139	324	4763	3912	826	3	12	9	1	4763
12	JHARKHAND	1152	177	34	7	2	9	1381	1261	88	13	6	12	1	1381
13	KARNATAKA	68588	33826	7171	3237	1194	572	114588	73536	31095	6316	2499	669	473	114588
14	KERALA	2996	56	3	2	0	3	3060	2940	95	15	1	3	6	3060
15	MADHYA PRADESH	316311	57597	25355	12437	4307	1947	417954	101485	132193	74531	57139	35752	16854	417954
16	MAHARASHTRA	73792	41648	667	431	43	14282	130863	58153	52252	4147	1447	375	14489	130863
17	MEGHALAYA	285	509	5	0	1	0	800	23	144	101	515	15	2	800
18	MIZORAM	3	0	0	0	0	0	3	3	0	0	0	0	0	3
19	NAGALAND	7	1	0	0	0	0	8	7	0	1	0	0	0	8
20	ODISHA	34806	4354	1024	614	169	135	41102	21677	9663	4446	1967	1889	1460	41102
21	PUDUCHERRY	232	196	110	51	9	2	600	297	227	62	12	1	1	600
22	PUNJAB	19156	32333	45591	57714	23117	3275	181186	163164	15897	1165	466	219	275	181186

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
23	RAJASTHAN	19591	842	175	439	76	194	21317	5815	3172	3374	4189	2297	2470	21317
24	TAMIL NADU	48769	13600	8142	6731	4845	5725	87812	50931	17982	8543	5520	2606	2230	87812
25	TELENGANA	8091	14006	12896	10418	23820	6580	75811	5073	8521	10987	14573	30287	6370	75811
26	TRIPURA	960	14	1	0	0	0	975	564	358	34	17	1	1	975
27	UTTARAKHAND	9723	30142	3668	459	136	500	44628	20763	21196	1807	377	206	279	44628
28	UTTAR PRADESH	2347612	749421	145356	42078	21868	19700	3326035	2265228	827321	159313	36400	18153	19620	3326035
29	WEST BENGAL	155260	67748	4	0	0	0	223012	196504	26508	0	0	0	0	223012
	Total	3788832	1146471	289525	170622	99626	61453	5556529	3354644	1482696	368434	158065	114862	77828	5556529

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.15: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SHALLOW TUBEWELLS ACCORDING TO AVERAGE HOURS OF PUMPING PER DAY

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	39	0	0	0	0	0	39	39	0	0	0	0	0	39
2	ANDHRA PRADESH	67962	104456	20357	1216	195	533	194719	64453	102995	24567	1901	229	574	194719
3	ARUNACHAL PRADESH	4	6	1	0	0	0	11	8	2	0	1	0	0	11
4	ASSAM	80772	65932	2091	52	10	202	149059	112704	28444	6213	1173	293	232	149059
5	BIHAR	12051	68987	76248	16810	2943	3353	180392	18562	77435	67935	13253	2017	1190	180392
6	CHHATISGARH	4663	12789	8899	1124	216	139	27830	2400	6431	12814	4211	1426	548	27830
7	GOA	70	0	0	0	0	0	70	69	1	0	0	0	0	70
8	GUJARAT	150883	151480	7	2	0	1	302373	1583	299379	1409	0	0	2	302373
9	HARYANA	2551	8618	8293	1002	179	247	20890	1131	10946	7272	1369	97	75	20890
10	HIMACHAL PRADESH	871	2945	936	486	6	4	5248	578	1816	2306	531	12	5	5248
11	JAMMU & KASHMIR	533	1217	2249	611	149	4	4763	1504	2496	622	135	2	4	4763
12	JHARKHAND	807	326	204	23	13	8	1381	932	335	96	11	3	4	1381
13	KARNATAKA	63278	49945	1218	109	4	34	114588	65309	46919	2237	41	0	82	114588
14	KERALA	3026	27	3	0	0	4	3060	2995	55	5	1	1	3	3060
15	MADHYA PRADESH	234104	76057	96250	8526	1663	1354	417954	19365	132653	240525	19285	3165	2961	417954
16	MAHARASHTRA	29831	77838	6239	16629	177	149	130863	20783	78475	14795	2090	14601	119	130863
17	MEGHALAYA	144	166	489	0	0	1	800	8	231	560	0	0	1	800
18	MIZORAM	3	0	0	0	0	0	3	3	0	0	0	0	0	3
19	NAGALAND	6	1	1	0	0	0	8	6	2	0	0	0	0	8
20	ODISHA	25096	13028	2500	380	44	54	41102	12938	17613	9177	1089	96	189	41102
21	PUDUCHERRY	174	204	178	42	2	0	600	232	248	107	13	0	0	600

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
22	PUNJAB	3468	51758	123351	2130	394	85	181186	18281	152624	9115	841	260	65	181186
23	RAJASTHAN	17523	2656	1048	67	15	8	21317	2473	11268	6518	986	59	13	21317
24	TAMIL NADU	48605	21628	12004	4235	587	753	87812	46352	29134	9667	1953	275	431	87812
25	TELENGANA	5293	37372	31118	1818	54	156	75811	4704	30002	37295	3397	235	178	75811
26	TRIPURA	657	313	2	2	0	1	975	246	659	65	0	0	5	975
27	UTTARAKHAND	1801	8237	23787	9098	1112	593	44628	1935	12785	15178	13296	952	482	44628
28	UTTAR PRADESH	258752	1510181	1268507	186817	38580	63198	3326035	246299	1465372	1322782	203624	35722	52236	3326035
29	WEST BENGAL	21852	169827	31330	2	0	1	223012	11932	211076	2	2	0	0	223012
	Total	1034819	2435994	1717310	251181	46343	70882	5556529	657824	2719396	1791262	269203	59445	59399	5556529

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.16: DISTRIBUTION OF SHALLOW TUBEWELLS ACCORDING TO DEPTH

(In Number)

S.No.	State	No. by the depth of Shallow tube well			
		0 to 20 mts	20 to 35 mts	>35 mts	Total (3 to 5)
(1)	(2)	(3)	(4)	(5)	(6)
1	ANDAMAN & NICOBAR ISLANDS	40	0	0	40
2	ANDHRA PRADESH	125649	72513	0	198162
3	ARUNACHAL PRADESH	5	13	0	18
4	ASSAM	81663	69432	0	151095
5	BIHAR	62381	121497	0	183878
6	CHHATISGARH	9253	18622	0	27875
7	GOA	42	29	0	71
8	GUJARAT	3185	300060	0	303245
9	HARYANA	10201	10691	0	20892
10	HIMACHAL PRADESH	3081	2174	0	5255
11	JAMMU & KASHMIR	3589	1177	0	4766
12	JHARKHAND	1365	246	0	1611
13	KARNATAKA	5306	109817	0	115123
14	KERALA	2597	549	0	3146
15	MADHYA PRADESH	69803	349657	0	419460
16	MAHARASHTRA	86526	44574	0	131100
17	MEGHALAYA	153	650	0	803
18	MIZORAM	0	4	0	4
19	NAGALAND	7	3	0	10
20	ODISHA	12481	29962	0	42443
21	PUDUCHERRY	275	350	0	625
22	PUNJAB	63142	118047	0	181189
23	RAJASTHAN	8057	13360	0	21417
24	TAMIL NADU	60968	28058	0	89026
25	TELENGANA	14597	62189	4	76790

(In Number)

S.No.	State	No. by the depth of Shallow tube well			
		0 to 20 mts	20 to 35 mts	>35 mts	Total (3 to 5)
(1)	(2)	(3)	(4)	(5)	(6)
26	TRIPURA	0	1009	0	1009
27	UTTARAKHAND	28903	15935	0	44838
28	UTTAR PRADESH	888981	2444696	2	3333679
29	WEST BENGAL	28449	199087	0	227536
	Total	1570699	4014401	6	5585106

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.17: DISTRIBUTION OF SHALLOW TUBEWELLS IN AND OUTSIDE THE COMMAND AREA OF MAJOR/MEDIUM PROJECTS

(In Number)

S.No.	State	Outside command	No. of Shallow tubewells inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	40	0	0	0	0	0	40
2	ANDHRA PRADESH	119420	32823	31027	1283	13609	78742	198162
3	ARUNACHAL PRADESH	18	0	0	0	0	0	18
4	ASSAM	149551	391	65	71	1017	1544	151095
5	BIHAR	177843	2010	1391	173	2461	6035	183878
6	CHHATISGARH	24093	136	2569	5	1072	3782	27875
7	GOA	71	0	0	0	0	0	71
8	GUJARAT	268657	22475	22	0	12091	34588	303245
9	HARYANA	19837	307	690	0	58	1055	20892
10	HIMACHAL PRADESH	5177	12	64	0	2	78	5255
11	JAMMU & KASHMIR	4766	0	0	0	0	0	4766
12	JHARKHAND	1593	5	8	0	5	18	1611
13	KARNATAKA	114654	131	87	4	247	469	115123
14	KERALA	3121	7	14	0	4	25	3146
15	MADHYA PRADESH	268640	427	148903	26	1464	150820	419460
16	MA HARASHTRA	118861	7	45	0	12187	12239	131100
17	MEGHALAYA	803	0	0	0	0	0	803
18	MIZORAM	4	0	0	0	0	0	4

(In Number)

S.No.	State	Outside command	No. of Shallow tubewells inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
19	NAGALAND	10	0	0	0	0	0	10
20	ODISHA	33877	4535	2257	157	1617	8566	42443
21	PUDUCHERRY	625	0	0	0	0	0	625
22	PUNJAB	153607	434	25298	66	1784	2758 2	181189
23	RAJASTHAN	19333	659	513	13	899	2084	21417
24	TAMIL NADU	76847	951	6693	334	4201	12179	89026
25	TELENGANA	69337	1362	3748	64	2279	7453	76790
26	TRIPURA	1009	0	0	0	0	0	1009
27	UTTARAKHAND	44838	0	0	0	0	0	44838
28	UTTAR PRADESH	3311571	4625	3253	230	14000	22108	3333679
29	WEST BENGAL	226960	0	0	0	576	576	227536
	Total	5215163	71297	226647	2426	69573	369943	5585106

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.18.1: CCA AND SEASON WISE POTENTIAL CREATED THROUGH SHALLOW TUBEWELLS-ALL SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	39.53	13.08	18.20	10.51	5.31	47.10
2	ANDHRA PRADESH	234372.35	136292.04	131899.85	43378.40	2180.66	313750.95
3	ARUNACHAL PRADESH	439.00	281.00	210.50	32.00	35.00	558.50
4	ASSAM	193331.65	148180.83	93207.38	424.37	7091.13	248903.71
5	BIHAR	988674.82	589250.22	512978.50	87681.46	109727.59	1299637.77
6	CHHATISGARH	52724.71	38868.05	32591.97	34.64	40.30	71534.96
7	GOA	61.78	0.00	5.89	55.89	0.00	61.78
8	GUJARAT	529491.53	373252.91	373884.63	87757.39	4085.18	838980.11
9	HARYANA	93052.98	84835.33	89836.76	142.50	207.36	175021.95
10	HIMACHAL PRADESH	6950.88	5452.44	6002.71	41.24	70.42	11566.81
11	JAMMU & KASHMIR	5118.78	5084.36	4459.55	0.00	0.00	9543.91
12	JHARKHAND	3587.06	2165.75	1164.34	204.26	152.24	3686.59
13	KARNATAKA	147953.98	113487.31	30825.37	12195.31	20312.05	176820.04
14	KERALA	1246.49	130.73	244.50	790.28	147.76	1313.27
15	MADHYA PRADESH	1442399.73	425810.05	1250309.35	34920.30	67656.27	1778695.97
16	MAHARASHTRA	254390.08	129541.16	108101.10	36409.22	3579.21	277630.69
17	MEGHALAYA	1359.10	731.55	1122.90	0.00	400.65	2255.10
18	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00
19	NAGALAND	48.00	35.00	13.00	2.00	1.00	51.00
20	ODISHA	94618.02	74679.93	52836.81	697.85	848.83	129063.42
21	PUDUCHERRY	492.51	385.19	380.96	49.23	52.11	867.49
22	PUNJAB	471412.84	454765.72	453126.57	8005.10	1374.86	917272.25
23	RAJASTHAN	128176.40	13558.26	122031.68	165.90	928.24	136684.08
24	TAMIL NADU	233766.59	114149.25	124642.87	32792.45	5867.69	277452.26

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TELENGANA	82553.46	69802.46	61123.45	351.74	146.53	131424.18
26	TRIPURA	1697.28	1326.94	1270.81	0.00	25.20	2622.95
27	UTTARAKHAND	100828.81	82215.22	84091.77	6683.74	4154.47	177145.20
28	UTTAR PRADESH	13388165.43	5570080.17	5689484.12	2586250.74	2522842.58	16368657.61
29	WEST BENGAL	621246.98	421675.34	343988.24	69113.42	254012.89	1088789.89
	Total	19078200.77	8856050.29	9569853.78	3008189.94	3005945.53	24440039.54

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.18.2: CCA AND SEASON WISE POTENTIAL CREATED THROUGH IN USE SHALLOW TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	39.53	13.08	18.20	10.51	5.31	47.10
2	ANDHRA PRADESH	220854.29	127928.23	124320.64	41347.93	2016.88	295613.68
3	ARUNACHAL PRADESH	122.00	74.00	51.00	0.00	4.00	129.00
4	ASSAM	186806.89	143398.05	90802.66	421.87	7078.51	241701.09
5	BIHAR	982777.47	586472.57	510830.33	87006.35	108774.48	1293083.73
6	CHHATISGARH	52652.80	38819.73	32550.67	34.64	40.30	71445.34
7	GOA	61.53	0.00	5.64	55.89	0.00	61.53
8	GUJARAT	524496.80	369385.21	370037.86	87342.92	4075.04	830841.03
9	HARYANA	92997.98	84790.33	89785.76	142.50	207.36	174925.95
10	HIMACHAL PRADESH	6937.74	5440.33	5990.74	41.21	70.40	11542.68
11	JAMMU & KASHMIR	5117.03	5082.61	4459.55	0.00	0.00	9542.16
12	JHARKHAND	3466.51	2109.08	1124.67	183.26	146.89	3563.90
13	KARNATAKA	147136.96	112999.75	30637.32	12004.21	20128.01	175769.29
14	KERALA	1244.07	129.83	244.50	788.76	147.76	1310.85
15	MADHYA PRADESH	1437646.77	424612.36	1246124.11	34804.27	67444.65	1772985.39
16	MAHARASHTRA	253659.50	129106.07	107737.96	36324.23	3577.71	276745.97
17	MEGHALAYA	1359.10	731.55	1122.90	0.00	400.65	2255.10
18	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00
19	NAGALAND	34.00	21.00	13.00	2.00	1.00	37.00
20	ODISHA	86066.92	68481.77	48124.51	667.46	825.11	118098.85
21	PUDUCHERRY	483.01	375.69	373.14	49.23	52.11	850.17
22	PUNJAB	471278.30	454631.18	452992.03	8005.10	1374.86	917003.17
23	RAJASTHAN	127465.35	13444.76	121347.88	165.42	922.06	135880.12

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	TAMIL NADU	230382.11	112093.57	123697.87	32435.55	5563.90	273790.89
25	TELENGANA	81125.35	68604.62	60390.75	350.54	143.05	129488.96
26	TRIPURA	1423.28	1121.24	1078.71	0.00	25.20	2225.15
27	UTTARAKHAND	100370.00	81949.90	83865.05	6644.54	4135.42	176594.91
28	UTTAR PRADESH	13255708.72	5515215.72	5643158.91	2564078.57	2497505.15	16219958.35
29	WEST BENGAL	589770.31	398850.27	324266.34	65252.16	242737.89	1031106.66
	Total	18861484.32	8745882.50	9475152.70	2978159.12	2967403.70	24166598.02

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.18.3: CCA AND SEASON WISE POTENTIAL CREATED THROUGH TEMPORARILY NOT IN USE SHALLOW TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	9769.71	6090.76	5518.20	1483.21	107.54	13199.71
2	ARUNACHAL PRADESH	155.00	102.00	64.50	19.00	12.00	197.50
3	ASSAM	3274.43	2215.55	1570.31	2.50	12.62	3800.98
4	BIHAR	5133.46	2399.63	1936.85	562.81	854.81	5754.10
5	CHHATISGARH	60.43	44.08	33.06	0.00	0.00	77.14
6	GOA	0.25	0.00	0.25	0.00	0.00	0.25
7	GUJARAT	3321.38	2598.65	2582.10	239.72	5.20	5425.67
8	HARYANA	49.00	43.00	45.00	0.00	0.00	88.00
9	HIMACHAL PRADESH	10.46	9.43	9.29	0.03	0.02	18.77
10	JAMMU & KASHMIR	0.75	0.75	0.00	0.00	0.00	0.75
11	JHARKHAND	116.40	53.02	38.92	21.00	5.20	118.14
12	KARNATAKA	359.23	244.50	55.56	59.95	42.11	402.12
13	KERALA	2.42	0.90	0.00	1.52	0.00	2.42
14	MADHYA PRADESH	2573.94	827.96	2155.85	79.52	158.45	3221.78
15	MAHARASHTRA	528.01	273.88	303.98	66.04	1.01	644.91
16	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00
17	NAGALAND	10.00	10.00	0.00	0.00	0.00	10.00
18	ODISHA	6244.84	4687.22	3516.70	9.56	23.72	8237.20
19	PUDUCHERRY	3.70	3.70	3.70	0.00	0.00	7.40
20	PUNJAB	134.54	134.54	134.54	0.00	0.00	269.08
21	RAJASTHAN	580.95	101.29	557.36	0.28	5.13	664.06
22	TAMIL NADU	2848.54	1721.93	763.39	320.56	286.15	3092.03
23	TELENGANA	1158.01	971.72	562.98	1.20	3.48	1539.38
24	TRIPURA	233.60	169.50	160.00	0.00	0.00	329.50

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	UTTARAKHAND	27.07	22.12	20.82	0.80	0.65	44.39
26	UTTAR PRADESH	125241.61	50960.85	42816.97	21277.92	24377.23	139432.97
27	WEST BENGAL	16625.86	11786.72	9585.87	1999.77	4766.58	28138.94
	Total	178463.59	85473.70	72436.20	26145.39	30661.90	214717.19

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.18.4: CCA AND SEASON WISE POTENTIAL CREATED THROUGH PERMANENTLY NOT IN USE SHALLOW TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	3748.35	2273.05	2061.01	547.26	56.24	4937.56
2	ARUNACHAL PRADESH	162.00	105.00	95.00	13.00	19.00	232.00
3	ASSAM	3250.33	2567.23	834.41	0.00	0.00	3401.64
4	BIHAR	763.89	378.02	211.32	112.30	98.30	799.94
5	CHHATISGARH	11.48	4.24	8.24	0.00	0.00	12.48
6	GUJARAT	1673.35	1269.05	1264.67	174.75	4.94	2713.41
7	HARYANA	6.00	2.00	6.00	0.00	0.00	8.00
8	HIMACHAL PRADESH	2.68	2.68	2.68	0.00	0.00	5.36
9	JAMMU & KASHMIR	1.00	1.00	0.00	0.00	0.00	1.00
10	JHARKHAND	4.15	3.65	0.75	0.00	0.15	4.55
11	KARNATAKA	457.79	243.06	132.49	131.15	141.93	648.63
12	KERALA	0.00	0.00	0.00	0.00	0.00	0.00
13	MADHYA PRADESH	2179.02	369.73	2029.39	36.51	53.17	2488.80
14	MAHARASHTRA	202.57	161.21	59.16	18.95	0.49	239.81
15	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00
16	NAGALAND	4.00	4.00	0.00	0.00	0.00	4.00
17	ODISHA	2306.26	1510.94	1195.60	20.83	0.00	2727.37
18	PUDUCHERRY	5.80	5.80	4.12	0.00	0.00	9.92
19	PUNJAB	0.00	0.00	0.00	0.00	0.00	0.00
20	RAJASTHAN	130.10	12.21	126.44	0.20	1.05	139.90
21	TAMIL NADU	535.94	333.75	181.61	36.34	17.64	569.34
22	TELENGANA	270.10	226.12	169.72	0.00	0.00	395.84

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	TRIPURA	40.40	36.20	32.10	0.00	0.00	68.30
24	UTTARAKHAND	431.74	243.20	205.90	38.40	18.40	505.90
25	UTTAR PRADESH	7215.10	3903.60	3508.24	894.25	960.20	9266.29
26	WEST BENGAL	14850.81	11038.35	10136.03	1861.49	6508.42	29544.29
	Total	38252.86	24694.09	22264.88	3885.43	7879.93	58724.33

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.19.1: SEASON WISE POTENTIAL UTILISED THROUGH SHALLOW TUBEWELLS-ALL SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	6.68	12.80	7.60	2.50	29.58	6.68	12.80	7.60	2.50	29.58
2	ANDHRA PRADESH	47875.87	55261.28	11226.26	326.03	114689.44	67772.07	58067.89	27112.96	1567.05	154519.97	115647.94	113329.17	38339.22	1893.08	269209.41
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	110.00	66.00	4.00	10.00	190.00	110.00	66.00	4.00	10.00	190.00
4	ASSAM	1249.69	498.89	1.60	36.70	1786.88	112008.90	66470.26	267.29	5934.33	184680.78	113258.59	66969.15	268.89	5971.03	186467.66
5	BIHAR	8474.04	7461.43	260.59	388.09	16584.15	483528.22	404927.52	71845.19	79260.57	1039561.50	492002.26	412388.95	72105.78	79648.66	1056145.65
6	CHHATISGARH	3573.17	3440.94	2.17	1.52	7017.80	28226.64	21385.57	19.44	23.56	49655.21	31799.81	24826.51	21.61	25.08	56673.01
7	GOA	0.00	0.00	0.00	0.00	0.00	0.00	5.89	55.89	0.00	61.78	0.00	5.89	55.89	0.00	61.78
8	GUJARAT	41056.02	41453.59	10483.17	1408.33	94401.11	283117.50	283327.92	64348.07	2068.54	632862.03	324173.52	324781.51	74831.24	3476.87	727263.14
9	HARYANA	3975.47	3600.52	0.00	0.00	7575.99	76103.04	81076.50	142.00	206.36	157527.90	80078.51	84677.02	142.00	206.36	165103.89
10	HIMACHAL PRADESH	81.79	86.79	5.00	3.00	176.58	4971.55	5519.80	31.85	65.82	10589.02	5053.34	5606.59	36.85	68.82	10765.60
11	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	4662.66	4064.64	0.00	0.00	8727.30	4662.66	4064.64	0.00	0.00	8727.30
12	JHARKHAND	9.05	6.12	0.20	1.00	16.37	1691.45	930.62	138.02	87.87	2847.96	1700.50	936.74	138.22	88.87	2864.33
13	KARNATAKA	461.35	245.58	68.24	153.17	928.34	110287.49	29155.65	11795.39	19300.20	170538.73	110748.84	29401.23	11863.63	19453.37	171467.07
14	KERALA	3.78	11.20	7.82	1.29	24.09	116.76	230.36	778.39	144.06	1269.57	120.54	241.56	786.21	145.35	1293.66
15	MADHYA PRADESH	167416.52	384742.51	14574.44	19926.99	586660.46	226761.99	834886.45	18208.65	30455.14	1110312.23	394178.51	1219628.96	32783.09	50382.13	1696972.69
16	MAHARASHTRA	6021.54	5058.85	2658.37	32.30	13771.06	112732.91	88624.28	29151.66	2532.27	233041.12	118754.45	93683.13	31810.03	2564.57	246812.18
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	659.60	1065.50	0.00	308.40	2033.50	659.60	1065.50	0.00	308.40	2033.50
18	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NAGALAND	0.00	0.00	0.00	0.00	0.00	11.00	5.00	1.00	1.00	18.00	11.00	5.00	1.00	1.00	18.00
20	ODISHA	7385.61	5905.28	39.15	27.31	13357.35	31178.57	21897.31	411.72	100.68	53588.28	38564.18	27802.59	450.87	127.99	66945.63
21	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	376.39	373.84	49.23	52.11	851.57	376.39	373.84	49.23	52.11	851.57
22	PUNJAB	59286.70	44785.95	51.56	120.80	104245.01	351150.24	332363.58	7943.28	667.46	692124.56	410436.94	377149.53	7994.84	788.26	796369.57
23	RAJASTHAN	2207.08	5038.77	0.31	8.06	7254.22	8920.23	110062.75	87.84	521.89	119592.71	11127.31	115101.52	88.15	529.95	126846.93
24	TAMIL NADU	7002.99	9841.17	5157.56	396.81	22398.53	99969.55	106215.18	25310.11	3993.84	235488.68	106972.54	116056.35	30467.67	4390.65	257887.21
25	TELENGANA	5094.47	4237.96	1.43	1.61	9335.47	61245.68	51729.76	332.95	99.69	113408.08	66340.15	55967.72	334.38	101.30	122743.55
26	TRIPURA	0.00	0.00	0.00	0.00	0.00	1120.94	1069.22	0.00	21.20	2211.36	1120.94	1069.22	0.00	21.20	2211.36

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
27	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	79410.21	81375.72	6103.20	3592.89	170482.02	79410.21	81375.72	6103.20	3592.89	170482.02
28	UTTAR PRADESH	33048.68	37806.62	6492.39	11872.13	89219.82	4559697.85	4608409.95	2096911.14	1924631.37	13189650.31	4592746.53	4646216.57	2103403.53	1936503.50	13278870.13
29	WEST BENGAL	1542.90	664.38	37.60	1282.59	3527.47	358789.80	293486.57	53890.23	220405.60	926572.20	360332.70	294150.95	53927.83	221688.19	930099.67
	Total	395766.72	610147.83	51067.86	35987.73	1092970.14	7064627.92	7486806.53	2414947.10	2296054.40	19262435.95	7460394.64	8096954.36	2466014.96	2332042.13	20355406.09

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.19.2: SEASON WISE POTENTIAL UTILISED THROUGH SHALLOW TUBEWELLS – IN USE

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	6.68	12.80	7.60	2.50	29.58	6.68	12.80	7.60	2.50	29.58
2	ANDHRA PRADESH	46382.94	53859.58	11135.25	324.25	111702.02	65431.41	56257.09	26770.60	1540.87	149999.97	111814.35	110116.67	37905.85	1865.12	261701.99
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	70.00	46.00	0.00	4.00	120.00	70.00	46.00	0.00	4.00	120.00
4	ASSAM	1243.57	498.75	1.60	36.70	1780.62	110558.79	65437.09	265.84	5924.11	182185.83	111802.36	65935.84	267.44	5960.81	183966.45
5	BIHAR	8370.18	7356.99	218.28	339.50	16284.95	481501.03	403470.97	71400.95	78748.63	1035121.58	489871.21	410827.96	71619.23	79088.13	1051406.53
6	CHHATISGARH	3570.65	3440.94	2.17	1.52	7015.28	28211.57	21371.12	19.44	23.56	49625.69	31782.22	24812.06	21.61	25.08	56640.97
7	GOA	0.00	0.00	0.00	0.00	0.00	0.00	5.64	55.89	0.00	61.53	0.00	5.64	55.89	0.00	61.53
8	GUJARAT	39764.20	40163.78	10448.33	1406.25	91782.56	282147.49	282368.31	64174.67	2066.14	630756.61	321911.69	322532.09	74623.00	3472.39	722539.17
9	HARYANA	3968.47	3595.52	0.00	0.00	7563.99	76071.04	81042.50	142.00	206.36	157461.90	80039.51	84638.02	142.00	206.36	165025.89
10	HIMACHAL PRADESH	81.79	86.79	5.00	3.00	176.58	4963.22	5511.66	31.82	65.80	10572.50	5045.01	5598.45	36.82	68.80	10749.08
11	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	4661.91	4064.64	0.00	0.00	8726.55	4661.91	4064.64	0.00	0.00	8726.55
12	JHARKHAND	8.55	5.62	0.20	1.00	15.37	1647.23	899.30	118.47	83.87	2748.87	1655.78	904.92	118.67	84.87	2764.24
13	KARNATAKA	458.98	244.71	68.24	152.57	924.50	110058.25	29106.39	11735.74	19262.86	170163.24	110517.23	29351.10	11803.98	19415.43	171087.74
14	KERALA	3.78	11.20	7.82	1.29	24.09	115.86	230.36	776.87	144.06	1267.15	119.64	241.56	784.69	145.35	1291.24
15	MADHYA PRADESH	167018.95	383973.21	14542.76	19878.42	585413.34	226478.21	833710.25	18167.03	30411.15	1108766.64	393497.16	1217683.46	32709.79	50289.57	1694179.98
16	MAHARASHTRA	5999.10	5041.52	2646.38	32.30	13719.30	112507.53	88365.65	29107.42	2531.26	232511.86	118506.63	93407.17	31753.80	2563.56	246231.16
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	659.60	1065.50	0.00	308.40	2033.50	659.60	1065.50	0.00	308.40	2033.50
18	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NAGALAND	0.00	0.00	0.00	0.00	0.00	10.00	5.00	1.00	1.00	17.00	10.00	5.00	1.00	1.00	17.00
20	ODISHA	6930.24	5532.73	37.60	27.31	12527.88	30433.06	21445.19	411.42	98.68	52388.35	37363.30	26977.92	449.02	125.99	64916.23
21	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	372.69	370.14	49.23	52.11	844.17	372.69	370.14	49.23	52.11	844.17
22	PUNJAB	59285.28	44785.55	51.56	120.80	104243.19	351019.34	332233.60	7943.28	667.46	691863.68	410304.62	377019.15	7994.84	788.26	796106.87
23	RAJASTHAN	2164.12	4981.16	0.31	8.06	7153.65	8918.21	109907.79	87.84	521.89	119435.73	11082.33	114888.95	88.15	529.95	126589.38
24	TAMIL NADU	6857.77	9771.72	5041.16	347.39	22018.04	98680.00	105622.12	25132.48	3795.02	233229.62	105537.77	115393.84	30173.64	4142.41	255247.66
25	TELENGANA	5087.97	4234.78	1.23	1.61	9325.59	60574.52	51424.71	331.95	97.09	112428.27	65662.49	55659.49	333.18	98.70	121753.86

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
26	TRIPURA	0.00	0.00	0.00	0.00	0.00	976.44	936.82	0.00	21.20	1934.46	976.44	936.82	0.00	21.20	1934.46
27	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	79388.54	81355.15	6102.40	3592.39	170438.48	79388.54	81355.15	6102.40	3592.39	170438.48
28	UTTAR PRADESH	33027.13	37777.12	6487.89	11861.28	89153.42	4518129.61	4572166.67	2077903.54	1905282.59	13073482.41	4551156.74	4609943.79	2084391.43	1917143.87	13162635.83
29	WEST BENGAL	1257.24	439.35	1.38	1154.28	2852.25	348731.05	285408.00	52338.12	216461.56	902938.73	349988.29	285847.35	52339.50	217615.84	905790.98
	Total	391480.91	605801.02	50697.16	35697.53	1083676.62	7002323.28	7433840.46	2393075.60	2271914.56	19101153.90	7393804.19	8039641.48	2443772.76	2307612.09	20184830.52

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.19.3: SEASON WISE POTENTIAL UTILISED THROUGH SHALLOW TUBEWELLS- TEMPORARILY NOT IN USE

(In Hectares)

S.No.	State	Area Irrigated during 2017 -2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	1492.93	1401.70	91.01	1.78	2987.42	2340.66	1810.80	342.36	26.18	4520.00	3833.59	3212.50	433.37	27.96	7507.42
2	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	40.00	20.00	4.00	6.00	70.00	40.00	20.00	4.00	6.00	70.00
3	ASSAM	6.12	0.14	0.00	0.00	6.26	1450.11	1033.17	1.45	10.22	2494.95	1456.23	1033.31	1.45	10.22	2501.21
4	BIHAR	103.86	104.44	42.31	48.59	299.20	2027.19	1456.55	444.24	511.94	4439.92	2131.05	1560.99	486.55	560.53	4739.12
5	CHHATISGARH	2.52	0.00	0.00	0.00	2.52	15.07	14.45	0.00	0.00	29.52	17.59	14.45	0.00	0.00	32.04
6	GOA	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.25	0.00	0.00	0.25
7	GUJARAT	1291.82	1289.81	34.84	2.08	2618.55	970.01	959.61	173.40	2.40	2105.42	2261.83	2249.42	208.24	4.48	4723.97
8	HARYANA	7.00	5.00	0.00	0.00	12.00	32.00	34.00	0.00	0.00	66.00	39.00	39.00	0.00	0.00	78.00
9	HIMACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	8.33	8.14	0.03	0.02	16.52	8.33	8.14	0.03	0.02	16.52
10	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.75
11	JHARKHAND	0.50	0.50	0.00	0.00	1.00	44.22	31.32	19.55	4.00	99.09	44.72	31.82	19.55	4.00	100.09
12	KARNATAKA	2.37	0.87	0.00	0.60	3.84	229.24	49.26	59.65	37.34	375.49	231.61	50.13	59.65	37.94	379.33
13	KERALA	0.00	0.00	0.00	0.00	0.00	0.90	0.00	1.52	0.00	2.42	0.90	0.00	1.52	0.00	2.42
14	MADHYA PRADESH	397.57	769.30	31.68	48.57	1247.12	283.78	1176.20	41.62	43.99	1545.59	681.35	1945.50	73.30	92.56	2792.71
15	MAHARASHTRA	22.44	17.33	11.99	0.00	51.76	225.38	258.63	44.24	1.01	529.26	247.82	275.96	56.23	1.01	581.02
16	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NAGALAND	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00
18	ODISHA	455.37	372.55	1.55	0.00	829.47	745.51	452.12	0.30	2.00	1199.93	1200.88	824.67	1.85	2.00	2029.40
19	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	3.70	3.70	0.00	0.00	7.40	3.70	3.70	0.00	0.00	7.40
20	PUNJAB	1.42	0.40	0.00	0.00	1.82	130.90	129.98	0.00	0.00	260.88	132.32	130.38	0.00	0.00	262.70
21	RAJASTHAN	42.96	57.61	0.00	0.00	100.57	2.02	154.96	0.00	0.00	156.98	44.98	212.57	0.00	0.00	257.55
22	TAMIL NADU	145.22	69.45	116.40	49.42	380.49	1289.55	593.06	177.63	198.82	2259.06	1434.77	662.51	294.03	248.24	2639.55
23	TELENGANA	6.50	3.18	0.20	0.00	9.88	671.16	305.05	1.00	2.60	979.81	677.66	308.23	1.20	2.60	989.69
24	TRIPURA	0.00	0.00	0.00	0.00	0.00	144.50	132.40	0.00	0.00	276.90	144.50	132.40	0.00	0.00	276.90

(In Hectares)

S.No.	State	Area Irrigated during 2017 -2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
25	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	21.67	20.57	0.80	0.50	43.54	21.67	20.57	0.80	0.50	43.54
26	UTTAR PRADESH	21.55	29.50	4.50	10.85	66.40	41568.24	36243.28	19007.60	19348.78	116167.90	41589.79	36272.78	19012.10	19359.63	116234.30
27	WEST BENGAL	285.66	225.03	36.22	128.31	675.22	10058.75	8078.57	1552.11	3944.04	23633.47	10344.41	8303.60	1588.33	4072.35	24308.69
	Total	4285.81	4346.81	370.70	290.20	9293.52	62304.64	52966.07	21871.50	24139.84	161282.05	66590.45	57312.88	22242.20	24430.04	170575.57

MINOR IRRIGATION CENSUS (2017-18)

TABLE 2.20: DISTRIBUTION OF IN USE SHALLOW TUBEWELLS ACCORDING TO CONSTRAINTS IN UTILISATION OF POTENTIAL

(In Number)

S.No.	State	No. of Shallow tube wells in use	No. of Shallow tube wells without constraints	No. of Shallow tube well Having Constraints in utillsation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	40	39	0	0	0	0	0	1	1
2	ANDHRA PRADESH	186050	162245	1976	1139	11193	1683	2970	4844	23805
3	ARUNACHAL PRADESH	3	2	0	0	1	0	0	0	1
4	ASSAM	147501	147481	1	6	0	0	0	13	20
5	BIHAR	182302	170764	355	1166	4177	234	230	5376	11538
6	CHHATISGARH	27805	25128	166	78	717	52	17	1647	2677
7	GOA	69	67	0	0	1	0	0	1	2
8	GUJARAT	300629	300549	1	41	0	38	0	0	80
9	HARYANA	20873	20708	1	80	11	0	0	73	165
10	HIMACHAL PRADESH	5233	4581	0	9	4	0	1	638	652
11	JAMMU & KASHMIR	4763	4501	97	4	161	0	0	0	262
12	JHARKHAND	1568	1244	37	65	131	19	31	41	324
13	KARNATAKA	114257	99508	2052	1809	10224	82	79	503	14749
14	KERALA	3118	3072	1	29	3	2	0	11	46
15	MADHYA PRADESH	417257	392411	2366	887	851	1135	1864	17743	24846
16	MAHARASHTRA	130550	83277	3103	36420	3716	1	25	4008	47273
17	MEGHALAYA	802	770	0	0	0	0	1	31	32
18	MIZORAM	1	1	0	0	0	0	0	0	0
19	NAGALAND	7	7	0	0	0	0	0	0	0
20	ODISHA	39126	28144	1246	1140	943	1307	166	6180	10982

(In Number)

S.No.	State	No. of Shallow tube wells in use	No. of Shallow tube wells without constraints	No. of Shallow tube well Having Constraints in utillsation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
21	PUDUCHERRY	597	588	0	0	0	0	9	0	9
22	PUNJAB	181129	176567	803	29	10	0	1	3719	4562
23	RAJASTHAN	21138	18405	103	141	1290	57	52	1090	2733
24	TAMIL NADU	85718	83277	461	140	1120	29	54	637	2441
25	TELENGANA	74297	60874	166	190	12771	99	66	131	13423
26	TRIPURA	863	863	0	0	0	0	0	0	0
27	UTTARAKHAND	44622	40099	183	199	76	49	3672	344	4523
28	UTTAR PRADESH	3292278	3244277	10390	8116	4519	257	10791	13913	47986
29	WEST BENGAL	217683	194670	3393	2691	1813	1490	1640	11986	23013
	Total	5500279	5264119	26901	54379	53732	6534	21669	72930	236145

Medium Tubewells

Tables

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.1: DISTRIBUTION OF MEDIUM TUBEWELLS ACCORDING TO OWNERSHIP

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDHRA PRADESH	375	42	99	483	999	4183	232531	236714	237713
2	ARUNACHAL PRADESH	2	0	0	0	2	0	0	0	2
3	ASSAM	124	1	2	2	129	87	153	240	369
4	BIHAR	1503	20986	329	2156	24974	3877	426799	430676	455650
5	CHHATISGARH	278	70	88	555	991	1264	154689	155953	156944
6	GOA	3	2	1	0	6	1	14	15	21
7	GUJARAT	5225	338	390	25	5978	7601	376677	384278	390256
8	HARYANA	340	136	232	1420	2128	28207	19160	47367	49495
9	HIMACHAL PRADESH	207	17	9	23	256	416	2928	3344	3600
10	JAMMU & KASHMIR	19	1	0	0	20	34	264	298	318
11	JHARKHAND	155	57	73	69	354	49	806	855	1209
12	KARNATAKA	713	1703	320	1391	4127	879	691696	692575	696702
13	KERALA	18	10	99	196	323	106	4872	4978	5301
14	MADHYA PRADESH	567	246	118	891	1822	29961	211998	241959	243781
15	MAHARASHTRA	276	214	414	115	1019	14802	158373	173175	174194
16	MIZORAM	23	0	0	0	23	0	0	0	23
17	NAGALAND	0	0	0	1	1	2	0	2	3
18	ODISHA	829	216	500	93	1638	1386	43526	44912	46550
19	PUDUCHERRY	1	1	0	5	7	10	1811	1821	1828
20	PUNJAB	86	43	833	306	1268	834	416836	417670	418938
21	RAJASTHAN	220	158	83	251	712	79058	60610	139668	140380
22	TAMIL NADU	290	227	249	1067	1833	12923	95904	108827	110660

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	TELENGANA	584	138	377	637	1736	3448	671972	675420	677156
24	TRIPURA	380	30	5	3	418	55	995	1050	1468
25	UTTARAKHAND	342	104	279	47	772	75	4156	4231	5003
26	UTTAR PRADESH	775	78	113	30	996	126	417194	417320	418316
27	WEST BENGAL	6543	2647	1676	1772	12638	7682	61946	69628	82266
	Total	19878	27465	6289	11538	65170	197066	4055910	4252976	4318146

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.2.1: DISTRIBUTION OF MEDIUM TUBEWELLS ACCORDING TO SOCIAL STATUS OF OWNER

(In Number)

S.No.	State	No. of Medium tube well owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	16778	6550	81724	127479	232531	5182	237713
2	ARUNACHAL PRADESH	0	0	0	0	0	2	2
3	ASSAM	8	1	3	141	153	216	369
4	BIHAR	34171	7673	201044	183911	426799	28851	455650
5	CHHATISGARH	12911	34011	96474	11293	154689	2255	156944
6	GOA	0	1	1	12	14	7	21
7	GUJARAT	95213	90759	91795	98910	376677	13579	390256
8	HARYANA	752	56	750	17602	19160	30335	49495
9	HIMACHAL PRADESH	334	216	1188	1190	2928	672	3600
10	JAMMU & KASHMIR	52	7	11	194	264	54	318
11	JHARKHAND	118	185	368	135	806	403	1209
12	KARNATAKA	136234	32574	200973	321915	691696	5006	696702
13	KERALA	90	40	2296	2446	4872	429	5301
14	MADHYA PRADESH	14251	11219	139346	47182	211998	31783	243781
15	MAHARASHTRA	18359	26001	42910	71103	158373	15821	174194
16	MIZORAM	0	0	0	0	0	23	23
17	NAGALAND	0	0	0	0	0	3	3
18	ODISHA	5271	8109	14853	15293	43526	3024	46550
19	PUDUCHERRY	60	3	1516	232	1811	17	1828
20	PUNJAB	9807	710	7536	398783	416836	2102	418938
21	RAJASTHAN	6626	9530	33486	10968	60610	79770	140380

(In Number)

S.No.	State	No. of Medium tube well owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
22	TAMIL NADU	9621	1063	72490	12730	95904	14756	110660
23	TELENGANA	76671	76021	365202	154078	671972	5184	677156
24	TRIPURA	235	345	137	278	995	473	1468
25	UTTARAKHAND	266	75	1602	2213	4156	847	5003
26	UTTAR PRADESH	35659	6906	268776	105853	417194	1122	418316
27	WEST BENGAL	9638	3645	8858	39805	61946	20320	82266
	Total	483125	315700	1633339	1623746	4055910	262236	4318146

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.2.2: DISTRIBUTION OF MEDIUM TUBEWELLS ACCORDING TO SOCIAL STATUS OF FEMALE OWNER

(In Number)

S.No.	State	No. of Medium tube well owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDHRA PRADESH	3679	1427	14550	23400	43056
2	ASSAM	0	0	0	2	2
3	BIHAR	1803	983	7107	3998	13891
4	CHHATISGARH	1299	4012	8417	1928	15656
5	GOA	0	0	0	1	1
6	GUJARAT	18170	17421	17691	18284	71566
7	HARYANA	27	17	36	761	841
8	HIMACHAL PRADESH	15	11	43	69	138
9	JAMMU & KASHMIR	0	0	1	1	2
10	JHARKHAND	7	7	5	1	20
11	KARNATAKA	15512	9538	28600	44285	97935
12	KERALA	23	9	521	444	997
13	MADHYA PRADESH	9705	7893	96959	29920	144477
14	MAHARASHTRA	3399	4461	10339	24968	43167
15	ODISHA	117	210	380	175	882
16	PUDUCHERRY	10	0	112	12	134
17	PUNJAB	184	69	117	3685	4055
18	RAJASTHAN	645	891	2649	1179	5364
19	TAMIL NADU	1391	224	10336	1656	13607
20	TELENGANA	13401	13939	66086	30180	123606
21	TRIPURA	4	27	0	5	36
22	UTTARAKHAND	9	1	75	103	188
23	UTTAR PRADESH	1187	331	6658	2919	11095
24	WEST BENGAL	239	102	190	697	1228
	Total	70826	61573	270872	188673	591944

TABLE 3.3.1: DISTRIBUTION OF MEDIUM TUBEWELLS ACCORDING TO THE INDIVIDUAL OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Medium tube well by size class of owner					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	130826	66098	28095	6387	1125	232531
2	ASSAM	7	15	118	13	0	153
3	BIHAR	112292	164152	103160	36350	10845	426799
4	CHHATISGARH	42489	54133	37591	18322	2154	154689
5	GOA	3	5	1	5	0	14
6	GUJARAT	129682	150106	77129	19066	694	376677
7	HARYANA	1665	2014	7378	7074	1029	19160
8	HIMACHAL PRADESH	1150	822	687	242	27	2928
9	JAMMU & KASHMIR	163	72	27	2	0	264
10	JHARKHAND	303	277	145	63	18	806
11	KARNATAKA	272480	225610	116197	43076	34333	691696
12	KERALA	3785	715	266	82	24	4872
13	MADHYA PRADESH	49419	68152	60713	31363	2351	211998
14	MAHARASHTRA	45968	58515	37755	13841	2294	158373
15	ODISHA	13352	12768	11877	5101	428	43526
16	PUDUCHERRY	961	512	264	69	5	1811
17	PUNJAB	17271	68745	177257	127387	26176	416836
18	RAJASTHAN	8006	15191	21418	13152	2843	60610
19	TAMIL NADU	40493	26331	14384	6571	8125	95904
20	TELENGANA	351716	168732	109043	37587	4894	671972
21	TRIPURA	274	425	283	10	3	995
22	UTTARAKHAND	200	1212	2211	480	53	4156
23	UTTAR PRADESH	122843	148255	111657	28145	6294	417194
24	WEST BENGAL	0	43150	18796	0	0	61946
	Total	1345348	1276007	936452	394388	103715	4055910

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.3.2: DISTRIBUTION OF MEDIUM TUBEWELLS ACCORDING TO THE INDIVIDUAL FEMALE OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Medium tube wells by size classof owned					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2-4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	24237	12452	5064	1134	169	43056
2	ASSAM	1	0	1	0	0	2
3	BIHAR	3091	3679	3668	2806	647	13891
4	CHHATISGARH	4944	5662	3410	1419	221	15656
5	GOA	0	1	0	0	0	1
6	GUJARAT	24759	28140	15055	3550	62	71566
7	HARYANA	37	70	409	286	39	841
8	HIMACHAL PRADESH	50	34	41	13	0	138
9	JAMMU & KASHMIR	1	1	0	0	0	2
10	JHARKHAND	7	4	7	1	1	20
11	KARNATAKA	38287	30694	17754	5578	5622	97935
12	KERALA	797	131	58	8	3	997
13	MADHYA PRADESH	34010	45951	41529	21369	1618	144477
14	MAHARASHTRA	12732	15314	10255	4080	786	43167
15	ODISHA	279	220	289	87	7	882
16	PUDUCHERRY	72	40	21	1	0	134
17	PUNJAB	262	825	1730	1053	185	4055
18	RAJASTHAN	867	1573	1754	965	205	5364
19	TAMIL NADU	6416	3702	1881	627	981	13607
20	TELENGANA	61804	31959	21723	7331	789	123606
21	TRIPURA	13	12	10	0	1	36
22	UTTARAKHAND	7	74	74	31	2	188
23	UTTAR PRADESH	4130	3768	2423	643	131	11095
24	WEST BENGAL	0	850	378	0	0	1228
	Total	216803	185156	127534	50982	11469	591944

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.4: DISTRIBUTION OF MEDIUM TUBEWELLS AND COST OF CONSTRUCTION

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Medium Tube wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDHRA PRADESH	168636	6044799	31511	1284937	16196	696827	11819	522708	9551	432300	237713	8981571
2	ARUNACHAL PRADESH	2	200	0	0	0	0	0	0	0	0	2	200
3	ASSAM	161	10803	41	2326	151	1959	6	235	10	148	369	15471
4	BIHAR	151170	3843995	75714	2212765	56050	1559196	42978	1292652	129738	2951810	455650	11860418
5	CHHATISGARH	87148	3561726	32423	1437446	19853	936535	10263	504253	7257	365311	156944	6805270
6	GOA	15	1535	4	420	0	0	1	100	1	150	21	2205
7	GUJARAT	388716	24728851	404	23559	40	3077	1042	70975	54	4952	390256	24831414
8	HARYANA	30908	1012429	6007	263363	2958	154323	2641	76748	6981	275963	49495	1782826
9	HIMACHAL PRADESH	2684	429416	429	58302	236	29695	157	17093	94	21641	3600	556147
10	JAMMU & KASHMIR	183	9374	21	1430	15	1190	15	865	84	3782	318	16641
11	JHARKHAND	667	35861	165	11422	157	10214	116	8888	104	7976	1209	74362
12	KARNATAKA	333031	19908977	146603	9315123	99496	6528949	57240	4097646	60332	4054680	696702	43905375
13	KERALA	3524	131144	592	29477	420	17435	328	15839	437	21233	5301	215128
14	MADHYA PRADESH	121496	667528	43515	324415	34975	284065	25330	205366	18465	194812	243781	1676185
15	MAHARASHTRA	109516	4214887	14095	827553	14244	866304	28570	1484952	7769	465522	174194	7859217
16	MIZORAM	22	966	0	0	0	0	0	0	1	100	23	1066
17	NAGALAND	3	122	0	0	0	0	0	0	0	0	3	122
18	ODISHA	27448	1188028	9404	482060	5953	338267	2577	158835	1168	70195	46550	2237386
19	PUDUCHERRY	1131	76162	186	15179	30	1973	2	110	479	39069	1828	132493
20	PUNJAB	365307	18796505	28888	1669707	8644	482460	5923	307710	10176	611407	418938	21867789
21	RAJASTHAN	103464	7232318	17987	1286657	10613	775661	6253	462273	2063	196447	140380	9953355
22	TAMIL NADU	91391	4781065	7272	402445	2788	160386	2014	114290	7195	387395	110660	5845580
23	TELENGANA	464680	15405529	105558	3605356	53728	1806844	21136	753594	32054	1330762	677156	22902085
24	TRIPURA	306	47330	171	26301	467	75099	215	30923	309	50696	1468	230349
25	UTTARAKHAND	4544	145741	237	14568	117	6988	75	5066	30	1958	5003	174321

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Medium Tube wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
26	UTTAR PRADESH	294959	13350250	41935	2148816	30710	1525472	24012	1185350	26698	1339731	418314	19549619
27	WEST BENGAL	44418	3515811	16899	1241191	10300	768398	5662	437576	4987	398149	82266	6361126
	Total	2795530	129141354	580061	26684817	368141	17031316	248375	11754047	326037	13226187	4318144	197837720

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.5.1: DISTRIBUTION OF MEDIUM TUBEWELLS BY COST OF MAINTENANCE IN THE REFERENCE YEAR

(In Number)

S.No.	State	No. of Medium tube well according to the annual cost of maintenance					
		UptoRs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	51580	161806	23541	763	23	237713
2	ARUNACHAL PRADESH	2	0	0	0	0	2
3	ASSAM	140	229	0	0	0	369
4	BIHAR	330720	118141	6781	8	0	455650
5	CHHATISGARH	94373	59527	3029	13	2	156944
6	GOA	6	12	3	0	0	21
7	GUJARAT	288	387862	2104	2	0	390256
8	HARYANA	11854	34721	2893	27	0	49495
9	HIMACHAL PRADESH	2782	669	145	4	0	3600
10	JAMMU & KASHMIR	119	194	5	0	0	318
11	JHARKHAND	1158	48	3	0	0	1209
12	KARNATAKA	183884	338654	158245	15759	160	696702
13	KERALA	4278	995	28	0	0	5301
14	MADHYA PRADESH	241243	2191	339	8	0	243781
15	MAHARASHTRA	71578	89255	13144	200	17	174194
16	MIZORAM	23	0	0	0	0	23
17	NAGALAND	2	0	1	0	0	3
18	ODISHA	26823	18348	1345	33	1	46550
19	PUDUCHERRY	120	1583	121	4	0	1828
20	PUNJAB	223567	190952	4343	76	0	418938
21	RAJASTHAN	26034	83299	29695	1284	68	140380
22	TAMIL NADU	17414	79248	13791	203	4	110660

(In Number)

S.No.	State	No. of Medium tube well according to the annual cost of maintenance					
		UptoRs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	TELENGANA	91428	530704	54782	242	0	677156
24	TRIPURA	526	906	36	0	0	1468
25	UTTARAKHAND	749	3809	103	341	1	5003
26	UTTAR PRADESH	119986	277138	20989	198	5	418316
27	WEST BENGAL	0	25378	56888	0	0	82266
	Total	1500677	2405669	392354	19165	281	4318146

MINOR IRRIGATION CENSUS (2017-18)

Table.3.5.2: AVERAGE COST OF CONSTRUCTION, MACHINERY, ANNUAL MAINTENANCE AND AVERAGE AMOUNT OF SUBSIDY RECEIVED FOR MEDIUM TUBEWELLS

(Amount in thousand)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Medium tube well for which subsidy was received	Average amount of subsidy	No. of Medium tube well for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	38	35	5	20892	27	22613	24
2	ARUNACHAL PRADESH	100	70	0	0	0	0	0
3	ASSAM	42	12	4	2	0	2	0
4	BIHAR	26	18	1	27377	6	27970	5
5	CHHATISGARH	43	27	2	9675	31	8655	20
6	GOA	105	29	6	6	82	5	17
7	GUJARAT	64	36	4	1931	9	995	3
8	HARYANA	36	37	4	1246	2	966	5
9	HIMACHAL PRADESH	154	48	2	159	121	81	49
10	JAMMU & KASHMIR	52	25	3	0	0	0	0
11	JHARKHAND	62	6	0	487	76	167	13
12	KARNATAKA	63	41	10	83270	19	82197	13
13	KERALA	41	15	1	136	18	280	6
14	MADHYA PRADESH	7	34	0	14856	24	20813	25
15	MAHARASHTRA	45	24	4	1987	20	1907	8
16	MIZORAM	46	0	0	0	0	0	0
17	NAGALAND	41	31	5	0	0	0	0
18	ODISHA	48	23	2	19178	40	17667	20
19	PUDUCHERRY	72	28	7	2	40	2	35
20	PUNJAB	52	35	2	553	3	1320	1
21	RAJASTHAN	71	50	8	2089	16	32361	14

(Amount in thousand)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Medium tube well for which subsidy was received	Average amount of subsidy	No. of Medium tube well for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
22	TAMIL NADU	53	31	6	11763	20	11604	9
23	TELENGANA	34	29	5	35814	28	35761	20
24	TRIPURA	157	32	2	185	105	176	41
25	UTTARAKHAND	35	30	8	363	14	349	22
26	UTTAR PRADESH	47	38	4	36401	17	20866	9
27	WEST BENGAL	77	86	11	2649	26	2649	11
	Total	46	34	5	271021	22	289406	15

TABLE 3.6: DISTRIBUTION OF MEDIUM TUBEWELLS UNDER INDIVIDUAL OWNERSHIP BY MAJOR SOURCE OF FINANCE

(In Number)

S.No.	State	With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	3482	1624	138180	10260	4718	158264	9031	2597	35056	322	1738	347	25176	74267	232531
2	ASSAM	0	0	0	0	0	0	0	0	0	0	0	0	153	153	153
3	BIHAR	194	368	19969	24	1415	21970	53983	11340	7248	25415	465	275	306103	404829	426799
4	CHHATISGARH	223	1031	15151	12	335	16752	5473	5781	383	674	28	21	125577	137937	154689
5	GOA	0	0	4	0	0	4	0	4	0	0	0	0	6	10	14
6	GUJARAT	23098	6703	147608	1259	177036	355704	1942	822	71	93	70	59	17916	20973	376677
7	HARYANA	300	750	8057	102	977	10186	157	9	2809	59	135	33	5772	8974	19160
8	HIMACHAL PRADESH	121	26	1585	0	25	1757	280	94	0	11	0	0	786	1171	2928
9	JAMMU & KASHMIR	0	3	259	0	2	264	0	0	0	0	0	0	0	0	264
10	JHARKHAND	2	8	43	0	1	54	22	81	1	63	0	1	584	752	806
11	KARNATAKA	49717	2190	384791	2906	9086	448690	38336	6124	12206	51229	1412	209	133490	243006	691696
12	KERALA	38	19	3228	19	173	3477	121	149	51	6	4	0	1064	1395	4872
13	MADHYA PRADESH	6223	410	152629	547	15388	175197	2185	128	1374	102	43	16	32953	36801	211998
14	MAHARASHTRA	21270	11891	119807	1052	3009	157029	71	94	92	10	1	5	1071	1344	158373
15	ODISHA	127	763	5730	11	19	6650	5173	15984	2858	533	61	82	12185	36876	43526
16	PUDUCHERRY	0	0	0	0	0	0	4	1	0	0	0	0	1806	1811	1811
17	PUNJAB	2452	724	218698	8836	2030	232740	2256	686	89162	100	124	753	91015	184096	416836
18	RAJASTHAN	3697	203	26482	362	228	30972	12132	195	2904	256	289	6	13856	29638	60610
19	TAMIL NADU	621	174	38978	220	321	40314	2789	287	2167	129	64	37	50117	55590	95904
20	TELENGANA	1667	649	105448	2928	318	111010	27962	1662	320622	388	3795	328	206205	560962	671972
21	TRIPURA	6	911	76	0	0	993	0	2	0	0	0	0	0	2	995
22	UTTARAKHAND	85	31	1010	3	5	1134	172	1	940	0	9	136	1764	3022	4156
23	UTTAR PRADESH	1355	3368	262375	310	3200	270608	12112	25083	1585	386	63	67	107290	146586	417194
24	WEST BENGAL	1855	793	52319	1543	5436	61946	0	0	0	0	0	0	0	0	61946
	Total	116533	32639	1702427	30394	223722	2105715	174201	71124	479529	79776	8301	2375	1134889	1950195	4055910

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.7: DISTRIBUTION OF MEDIUM TUBEWELLS BY STATUS OF UTILISATION

(In Number)

S.No.	State	Medium tube well in use	Medium tube well not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDHRA PRADESH	217873	15992	3848	19840	237713	8	2	10
2	ARUNACHAL PRADESH	0	0	2	2	2	0	0	0
3	ASSAM	329	33	7	40	369	0	0	0
4	BIHAR	451508	2990	1152	4142	455650	113647	1627	115274
5	CHHATISGARH	156525	274	145	419	156944	2716	33	2749
6	GOA	20	0	1	1	21	0	0	0
7	GUJARAT	386512	2474	1270	3744	390256	577	0	577
8	HARYANA	49385	107	3	110	49495	162	3	165
9	HIMACHAL PRADESH	3593	4	3	7	3600	5	0	5
10	JAMMU & KASHMIR	318	0	0	0	318	0	0	0
11	JHARKHAND	1191	15	3	18	1209	211	3	214
12	KARNATAKA	695172	720	810	1530	696702	116933	526	117459
13	KERALA	5275	12	14	26	5301	43	12	55
14	MADHYA PRADESH	242737	562	482	1044	243781	728	13	741
15	MAHARASHTRA	172825	1018	351	1369	174194	7400	478	7878
16	MIZORAM	7	1	15	16	23	2	3	5
17	NAGALAND	1	2	0	2	3	0	0	0
18	ODISHA	42909	1712	1929	3641	46550	637	1360	1997
19	PUDUCHERRY	1757	20	51	71	1828	0	0	0
20	PUNJAB	418861	73	4	77	418938	159	4	163
21	RAJASTHAN	138337	1560	483	2043	140380	388	128	516
22	TAMIL NADU	106335	3315	1010	4325	110660	19535	1728	21263
23	TELENGANA	657628	11413	8115	19528	677156	14557	3219	17776

(In Number)

S.No.	State	Medium tube well in use	Medium tube well not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
24	TRIPURA	1083	268	117	385	1468	0	0	0
25	UTTARAKHAND	4998	2	3	5	5003	0	2	2
26	UTTAR PRADESH	416371	1772	173	1945	418316	1313	300	1613
27	WEST BENGAL	78614	2293	1359	3652	82266	1527	112	1639
	Total	4250164	46632	21350	67982	4318146	280548	9553	290101

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.8: DISTRIBUTION OF MEDIUM TUBEWELLS TEMPORARILY NOT IN USE BY REASON

(In Number/In Ha)

S.No.	State	Non Availability of Adequate Power/Fuel		Mechanical Break Down		Less discharge of Water		Non - Availability of Finance		Lack of Maintenance		Others		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDHRA PRADESH	450	275.69	760	728.70	13632	7793.72	415	214.77	97	18.37	638	322.17	15992	9353.42
2	ASSAM	0	0.00	31	62.70	0	0.00	0	0.00	0	0.00	2	39.00	33	101.70
3	BIHAR	127	115.00	557	697.80	862	542.13	74	120.89	49	49.16	1321	1025.41	2990	2550.39
4	CHHATISGARH	26	23.35	50	115.37	82	77.80	7	6.41	16	36.71	93	129.89	274	389.53
5	GUJARAT	1	0.71	2401	1291.67	1	0.67	1	0.50	31	17.08	39	42.85	2474	1353.48
6	HARYANA	55	16.00	2	17.00	0	0.00	0	0.00	0	0.00	50	0.00	107	33.00
7	HIMACHAL PRADESH	1	0.00	0	0.00	2	0.00	0	0.00	0	0.00	1	0.00	4	0.00
8	JHARKHAND	1	0.35	4	0.80	4	1.19	3	0.00	0	0.00	3	1.01	15	3.35
9	KARNATAKA	35	0.73	77	5.75	389	9.60	19	0.65	17	5.67	183	3.45	720	25.85
10	KERALA	2	0.00	2	0.40	3	0.00	1	0.00	0	0.00	4	0.00	12	0.40
11	MADHYA PRADESH	32	8.35	68	37.16	281	72.93	13	30.00	8	0.00	160	50.77	562	199.21
12	MAHARASHTRA	69	26.92	54	9.32	827	215.66	0	0.00	0	0.00	68	8.22	1018	260.12
13	MIZORAM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	1	0.00
14	NAGALAND	0	0.00	0	0.00	0	0.00	0	0.00	2	13.00	0	0.00	2	13.00
15	ODISHA	145	651.72	709	2188.09	197	488.51	94	205.05	130	410.86	437	1172.94	1712	5117.17
16	PUDUCHERRY	1	0.00	5	0.00	1	0.00	0	0.00	0	0.00	13	0.00	20	0.00
17	PUNJAB	68	22.79	5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	73	22.79
18	RAJASTHAN	54	246.89	84	346.22	338	1223.93	24	215.70	105	30790	955	2708.48	1560	5049.12
19	TAMIL NADU	220	39.25	401	54.19	1939	801.78	53	10.48	75	7.65	627	166.99	3315	1080.34
20	TELENGANA	310	105.61	618	124.12	9888	3731.55	68	15.23	65	14.28	464	629.29	11413	4620.08
21	TRIPURA	48	70.20	104	27.80	4	0.40	13	0.00	41	3.05	58	16.40	268	117.85
22	UTTARAKHAND	0	0.00	0	0.00	1	0.50	0	0.00	0	0.00	1	0.00	2	0.50
23	UTTAR PRADESH	42	50.75	65	78.00	17	17.00	3	9.00	9	2.00	1636	3796.89	1772	3953.64
24	WEST BENGAL	549	732.15	464	504.80	188	310.71	181	319.72	112	88.48	799	850.32	2293	2806.18
	Total	2236	2386.46	6461	6289.89	28656	15288.08	969	1148.40	757	974.21	7553	10964.08	46632	37051.12

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.9: DISTRIBUTION OF MEDIUM TUBEWELLS PERMANENTLY NOT IN USE BY REASON

(In Number/In Ha)

S.No.	State	Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDHRA PRADESH	176	0.00	2871	0.00	202	0.00	6	0.00	15	0.00	13	0.00	565	0.00	3848	0.00
2	ARUNACHAL PRADESH	0	0.00	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	1	0.00	2	0.00
3	ASSAM	0	0.00	1	0.00	2	0.00	0	0.00	0	0.00	0	0.00	4	0.00	7	0.00
4	BIHAR	180	0.00	185	0.00	86	0.00	75	0.00	118	0.00	15	0.00	493	0.00	1152	0.00
5	CHHATISGARH	20	0.00	4	0.00	1	0.00	1	0.00	0	0.00	1	0.00	118	0.00	145	0.00
6	GOA	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00
7	GUJARAT	683	0.00	56	0.00	46	0.00	31	0.00	13	0.00	12	0.00	429	0.00	1270	0.00
8	HARYANA	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	3	0.00
9	HIMACHAL PRADESH	0	0.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	3	0.00
10	JHARKHAND	0	0.00	2	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	0.00
11	KARNATAKA	13	0.00	486	0.00	144	0.00	11	0.00	2	0.00	0	0.00	154	0.00	810	0.00
12	KERALA	0	0.00	0	0.00	2	0.00	1	0.00	0	0.00	0	0.00	11	0.00	14	0.00
13	MADHYA PRADESH	13	0.00	187	0.00	32	0.00	16	0.00	3	0.00	2	0.00	229	0.00	482	0.00
14	MAHARASHTRA	7	0.00	309	0.00	6	0.00	6	0.00	2	0.00	2	0.00	19	0.00	351	0.00
15	MIZORAM	0	0.00	0	0.00	4	0.00	0	0.00	0	0.00	0	0.00	11	0.00	15	0.00
16	ODISHA	877	0.00	169	0.00	308	0.00	20	0.00	10	0.00	7	0.00	538	0.00	1929	0.00
17	PUDUCHERRY	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	51	0.00	51	0.00
18	PUNJAB	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	4	0.00	4	0.00
19	RAJASTHAN	11	0.00	182	0.00	82	0.00	0	0.00	5	0.00	1	0.00	202	0.00	483	0.00
20	TAMIL NADU	72	0.00	475	0.00	68	0.00	18	0.00	5	0.00	3	0.00	369	0.00	1010	0.00
21	TELENGANA	86	0.00	6763	0.00	459	0.00	8	0.00	24	0.00	16	0.00	759	0.00	8115	0.00
22	TRIPURA	0	0.00	39	0.00	20	0.00	0	0.00	0	0.00	0	0.00	58	0.00	117	0.00
23	UTTARAKHAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	0.00	3	0.00

(In Number/In Ha)

S.No.	State	Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
24	UTTAR PRADESH	2	0.00	84	0.00	27	0.00	0	0.00	2	0.00	0	0.00	58	0.00	173	0.00
25	WEST BENGAL	144	0.00	107	0.00	238	0.00	42	0.00	13	0.00	31	0.00	784	0.00	1359	0.00
	Total	2286	0.00	11923	0.00	1729	0.00	235	0.00	212	0.00	103	0.00	4862	0.00	21350	0.00

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.10:DISTRIBUTION OF IN USE MEDIUM TUBE WELLS ACCORDING TO WATER DISTRIBUTION SYSTEM AND POTENTIAL UTILISED

(In Number/In Ha)

S.No.	State	No. & IPU of Medium Tube well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDHRA PRADESH	8586	12468.52	94252	125050.70	22299	33249.02	61834	74197.04	27767	37539.90	2284	3664.16	851	2656.44	217873	288825.78
2	ASSAM	24	313.40	221	572.05	83	281.10	1	3.20	0	0.00	0	0.00	0	0.00	329	1169.75
3	BIHAR	3121	16802.41	28812	222381.22	18577	176686.00	397493	2566220.69	514	2090.79	61	365.57	2930	22317.32	451508	3006864.00
4	CHHATISGAR H	3664	7875.63	47305	104739.51	5269	11612.91	89011	226182.33	1181	3126.91	5082	14178.49	5013	12580.45	156525	380296.23
5	GOA	1	1.40	3	5.40	2	6.10	3	2.15	3	7.70	8	7.40	0	0.00	20	30.15
6	GUJARAT	16269	67240.77	144583	484154.17	22855	72377.02	171133	532806.12	26545	68095.69	3657	4226.87	1470	5904.28	386512	1234804.92
7	HARYANA	4337	36554.11	32588	267433.00	9269	87606.30	1143	6675.02	16	97.20	1493	9057.40	539	3939.50	49385	411362.53
8	HIMACHAL PRADESH	238	3450.78	1684	8474.83	726	6617.09	926	2535.81	1	1.96	1	2.64	17	20.98	3593	21104.09
9	JAMMU & KASHMIR	69	199.20	157	420.57	1	0.40	79	83.41	0	0.00	0	0.00	12	37.60	318	741.18
10	JHARKHAND	46	19.62	429	752.56	49	45.50	301	559.77	6	4.80	0	0.00	360	785.84	1191	2168.09
11	KARNATAKA	119659	131622.79	18113	34641.77	340935	696168.52	81326	125385.39	107374	148713.18	20194	40454.13	7571	12327.80	695172	1189313.58
12	KERALA	135	188.89	829	813.43	372	242.49	3162	2156.91	203	299.53	466	296.59	108	84.29	5275	4082.13
13	MADHYA PRADESH	693	2950.34	23327	83235.13	26517	93963.62	152209	612979.12	1153	4414.32	37780	156523.02	1058	3653.67	242737	957719.22
14	MAHARASHTRA	3937	7467.81	30195	46551.77	122096	239676.10	11647	18068.40	2272	3280.58	1443	2705.69	1235	1850.65	172825	319601.00
15	MIZORAM	0	0.00	0	0.00	0	0.00	6	0.00	0	0.00	0	0.00	1	0.80	7	0.80
16	NAGALAND	1	13.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	13.00
17	ODISHA	1648	2322.51	13090	35557.04	1162	3347.54	25935	61834.87	105	221.52	244	132.97	725	1223.25	42909	104639.70
18	PUDUCHERRY	1521	3414.44	94	221.98	123	264.70	19	56.20	0	0.00	0	0.00	0	0.00	1757	3957.32
19	PUNJAB	28566	137966.65	380332	1937995.06	9734	57136.81	26	163.36	31	106.74	10	47.96	162	937.16	418861	2134353.74
20	RAJASTHAN	4189	34508.10	19060	93131.56	17992	92343.71	53508	299788.44	3171	11740.93	40145	215061.88	272	2256.85	138337	748831.47
21	TAMIL NADU	19577	120111.27	58998	207377.49	18015	70645.86	3611	14594.88	4814	16069.83	149	266.76	1171	6022.17	106335	435088.26
22	TELENGANA	91334	165196.81	118428	201078.22	319104	523326.37	99235	170382.48	14087	27276.54	14795	21924.51	645	906.34	657628	1110091.27

(In Number/In Ha)

S.No.	State	No. & IPU of Medium Tube well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
23	TRIPURA	23	52.80	456	1059.68	563	1592.40	38	87.90	0	0.00	0	0.00	3	17.00	1083	2809.78
24	UTTARAKHAND	813	12870.81	4156	23357.22	23	170.61	4	58.96	0	0.00	0	0.00	2	121.60	4998	36579.20
25	UTTAR PRADESH	16615	138206.07	246517	1807352.81	11221	94897.20	132155	1065246.42	238	1554.02	3180	22105.21	6445	52583.15	416371	3181944.88
26	WEST BENGAL	7680	59968.32	35382	311414.75	10545	99592.55	22487	219104.47	787	5876.82	181	1505.47	1552	11003.02	78614	708465.40
	Total	332746	961786.45	1299011	5997771.92	957532	2361849.92	1307292	5999173.34	190268	330518.96	131173	492526.72	32142	141230.16	4250164	16284857.47

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.11: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE MEDIUM TUBEWELLS ACCORDING TO WATER LIFTING DEVICES

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	216382	14293	1235	95	1860	233865
2	ASSAM	87	210	16	43	6	362
3	BIHAR	75620	306980	13612	31665	26621	454498
4	CHHATISGARH	154453	1290	364	173	519	156799
5	GOA	13	7	0	0	0	20
6	GUJARAT	370997	14782	24	17	3166	388986
7	HARYANA	42308	5050	278	2	1854	49492
8	HIMACHAL PRADESH	2751	805	35	1	5	3597
9	JAMMU & KASHMIR	245	60	13	0	0	318
10	JHARKHAND	230	461	52	338	125	1206
11	KARNATAKA	667045	8080	1970	11930	6867	695892
12	KERALA	2835	2110	179	109	54	5287
13	MADHYA PRADESH	236860	3300	1597	104	1438	243299
14	MAHARASHTRA	152225	13501	629	192	7296	173843
15	MIZORAM	2	0	0	5	1	8
16	NAGALAND	0	3	0	0	0	3
17	ODISHA	25477	17889	353	557	345	44621
18	PUDUCHERRY	1772	3	0	0	2	1777
19	PUNJAB	398424	20174	215	3	118	418934
20	RAJASTHAN	123735	8175	4125	49	3813	139897
21	TAMIL NADU	78566	26996	738	751	2599	109650
22	TELENGANA	628996	34282	2822	155	2786	669041
23	TRIPURA	1333	10	2	0	6	1351

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	UTTARAKHAND	3998	981	7	0	14	5000
25	UTTAR PRADESH	230603	183706	1539	0	2295	418143
26	WEST BENGAL	62432	11816	2589	0	4070	80907
	Total	3477389	674964	32394	46189	65860	4296796

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TABLE 3.12: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE MEDIUM TUBEWELLS ACCORDING TO SOURCE OF ENERGY

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	227094	2457	18	3925	95	276	233865
2	ASSAM	116	203	0	0	43	0	362
3	BIHAR	77811	341194	952	327	31665	2549	454498
4	CHHATISGARH	154204	235	60	1983	173	144	156799
5	GOA	19	1	0	0	0	0	20
6	GUJARAT	380811	594	7407	4	17	153	388986
7	HARYANA	44942	4184	10	84	2	270	49492
8	HIMACHAL PRADESH	3445	141	3	6	1	1	3597
9	JAMMU & KASHMIR	318	0	0	0	0	0	318
10	JHARKHAND	331	390	5	32	338	110	1206
11	KARNATAKA	680417	1948	411	455	11930	731	695892
12	KERALA	5076	74	3	0	109	25	5287
13	MADHYA PRADESH	242058	721	18	197	104	201	243299
14	MAHARASHTRA	172833	301	128	12	192	377	173843
15	MIZORAM	1	1	0	1	5	0	8
16	NAGALAND	2	1	0	0	0	0	3
17	ODISHA	35079	7510	83	99	557	1293	44621
18	PUDUCHERRY	1775	1	0	0	0	1	1777
19	PUNJAB	414780	4012	60	22	3	57	41834
20	RAJASTHAN	122870	16303	81	333	49	261	139897
21	TAMIL NADU	103474	4544	84	62	751	735	109650
22	TELENGANA	667360	1138	102	95	155	191	669041
23	TRIPURA	1340	6	0	0	0	5	1351

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	UTTARAKHAND	4285	710	0	0	0	5	5000
25	UTTAR PRADESH	277646	140029	172	253	0	43	418143
26	WEST BENGAL	68340	11715	99	323	0	430	80907
	Total	3686427	538413	9696	8213	46189	7858	4296796

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.13: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE MEDIUM TUBEWELLS ACCORDING TO HORSE POWER OF LIFTING DEVICES

(In Number)

S.No.	State	No. of Medium tube well by horse power of lifting devices								Total (9 to 10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDHRA PRADESH	1816	16359	155290	48369	7453	4483	233770	95	233865
2	ASSAM	0	10	218	75	9	7	319	43	362
3	BIHAR	52585	57011	279548	22268	6365	5056	422833	31665	454498
4	CHHATISGARH	2804	12613	141127	18	15	49	156626	173	156799
5	GOA	4	3	11	2	0	0	20	0	20
6	GUJARAT	44	7855	112302	149663	93780	25327	388971	15	388986
7	HARYANA	513	812	5149	3321	15004	24691	49490	2	49492
8	HIMACHAL PRADESH	397	707	875	560	448	609	3596	1	3597
9	JAMMU & KASHMR	0	1	236	57	1	23	318	0	318
10	JHARKHAND	453	156	229	5	16	9	868	338	1206
11	KARNATAKA	54291	11579	381301	163193	47186	26412	683962	11930	695892
12	KERALA	3055	430	1631	50	7	5	5178	109	5287
13	MADHYA PRADESH	12956	32241	155273	31823	7944	2958	243195	104	243299
14	MAHARASHTRA	23	70	163018	8052	2189	299	173651	192	173843
15	MIZORAM	2	1	0	0	0	0	3	5	8
16	NAGALAND	0	0	3	0	0	0	3	0	3
17	ODISHA	17268	10559	15521	300	286	130	44064	557	44621
18	PUDUCHERRY	1	2	35	437	502	800	1777	0	1777
19	PUNJAB	2061	7993	85413	141402	114411	67651	418931	3	418934
20	RAJASTHAN	487	1471	16819	40831	47094	33146	139848	49	139897
21	TAMIL NADU	4638	4754	42192	39431	6580	11305	108900	750	109650
22	TELENGANA	1279	16380	551741	91434	6655	1397	668886	155	669041

(In Number)

S.No.	State	No. of Medium tube well by horse power of lifting devices								Total (9 to 10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	TRIPURA	932	391	27	0	1	0	1351	0	1351
24	UTTARAKHAND	17	13	3426	850	417	277	5000	0	5000
25	UTTAR PRADESH	2631	13344	37833	187405	140963	35967	418143	0	418143
26	WEST BENGAL	0	0	1	0	0	80906	80907	0	80907
	Total	158257	194755	2149219	929546	497326	321507	4250610	46186	4296796

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.14: DISTRIBUTION OF IN USE,TEMPORARILY NOT IN USE MEDIUM TUBEWELLS ACCORDING TO TOTAL PUMPING HOURS OF OPERATION

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDHRA PRADESH	83851	26929	28568	45747	34321	14354	233770	97340	23099	36784	37084	26813	12650	233770
2	ASSAM	275	33	7	3	0	1	319	219	87	2	2	2	7	319
3	BIHAR	254584	97203	35216	17257	7829	10744	422833	300746	75751	23593	10114	8397	4232	422833
4	CHHATISGARH	66140	56785	17467	10122	2853	3259	156626	55333	33802	20988	22797	9304	14402	156626
5	GOA	20	0	0	0	0	0	20	19	0	1	0	0	0	20
6	GUJARAT	388680	264	2	9	6	10	388971	2424	3813	343511	39207	6	10	388971
7	HARYANA	10204	13844	13367	7986	2948	1141	49490	26049	15787	3267	2120	1203	1064	49490
8	HIMACHAL PRADESH	2155	609	449	204	80	99	3596	2221	710	204	197	157	107	3596
9	JAMMU & KASHMIR	75	114	122	6	1	0	318	296	17	5	0	0	0	318
10	JHARKHAND	657	144	46	7	2	12	868	703	108	37	7	1	12	868
11	KARNATAKA	426282	162414	52938	25214	9222	7892	683962	417166	166829	63261	24621	7277	4808	683962
12	KERALA	5088	73	11	2	2	2	5178	4725	289	99	21	13	31	5178
13	MADHYA PRADESH	188917	32037	14466	5791	1149	835	243195	43311	66646	46629	43596	29315	13698	243195
14	MAHARASHTRA	91165	64337	1511	441	265	15932	173651	68463	76304	7272	3860	824	16928	173651
15	MIZORAM	3	0	0	0	0	0	3	3	0	0	0	0	0	3
16	NAGALAND	2	1	0	0	0	0	3	3	0	0	0	0	0	3
17	ODISHA	36244	4575	1746	1235	180	84	44064	25764	7522	4669	1751	1201	3157	44064
18	PUDUCHERRY	442	605	436	212	53	29	1777	580	777	311	85	17	7	1777
19	PUNJAB	14783	60441	202428	100339	34473	6467	418931	371007	39966	4012	2841	630	475	418931
20	RAJASTHAN	117242	14847	5490	1440	389	440	139848	37402	21698	33998	32601	9533	4616	139848
21	TAMIL NADU	48384	16706	12689	8930	9709	12482	108900	58660	21153	12764	7510	4818	3995	108900
22	TELENGANA	36612	121095	176802	128947	120017	85413	668886	38653	57222	89233	166804	171318	145656	668886
23	TRIPURA	1301	48	2	0	0	0	1351	927	399	23	1	1	0	1351
24	UTTARAKHAND	2804	1536	426	118	42	74	5000	3167	1454	219	70	36	54	5000
25	UTTAR PRADESH	244995	127238	33212	5669	4221	2808	418143	207665	138279	47417	14391	4277	6114	418143
26	WEST BENGAL	56872	23635	400	0	0	0	80907	57706	23201	0	0	0	0	80907
	Total	2077777	825513	597801	359679	227762	162078	4250610	1820552	774913	738299	409680	275143	232023	4250610

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TABLE 3.15: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE MEDIUM TUBEWELLS ACCORDING TO AVERAGE HOURS OF PUMPING PER DAY

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDHRA PRADESH	66307	135709	30111	1189	65	389	233770	84049	119167	29427	718	67	342	233770
2	ASSAM	260	49	8	2	0	0	319	197	108	11	2	1	0	319
3	BIHAR	39072	135347	174132	54153	11686	8443	422833	47189	171943	157517	35567	6835	3782	422833
4	CHHATISGARH	26356	50925	63068	11288	3244	1745	156626	19489	38970	67365	21225	6087	3490	156626
5	GOA	20	0	0	0	0	0	20	20	0	0	0	0	0	20
6	GUJARA T	193498	195460	9	1	1	2	388971	1719	384981	2263	1	0	7	388971
7	HARYANA	1068	17740	29551	818	72	241	49490	3764	35421	9029	1072	80	124	49490
8	HIMACHAL PRADESH	620	1309	1131	468	56	12	3596	392	1336	1267	516	65	20	3596
9	JAMMU & KASHMIR	38	85	183	12	0	0	318	60	227	31	0	0	0	318
10	JHARKHAND	419	293	117	25	0	14	868	502	267	76	12	1	10	868
11	KARNATAKA	317849	328605	29083	6654	219	1552	683962	304804	343024	32685	2248	226	975	683962
12	KERALA	5018	132	23	5	0	0	5178	4801	258	91	7	1	20	5178
13	MADHYA PR ADESH	157718	32447	50236	2121	238	435	243195	7958	65546	160768	6891	1209	823	243195
14	MAHARASHTRA	45611	103849	7160	16886	44	101	173651	22487	116712	15213	4704	14478	57	173651
15	MIZORAM	2	1	0	0	0	0	3	2	1	0	0	0	0	3
16	NAGALAND	2	1	0	0	0	0	3	2	1	0	0	0	0	3
17	ODISHA	23553	14408	4803	1023	224	53	44064	13153	18068	9366	2296	773	408	44064
18	PUDUCHERRY	257	805	539	136	19	21	1777	367	962	354	86	4	4	1777
19	PUNJAB	2356	181535	232537	1867	100	536	418931	29338	379707	9280	360	86	160	418931
20	RAJASTHA N	102564	31775	4782	527	57	143	139848	13046	101664	23033	1854	81	170	139848
21	TAMIL NADU	50290	25981	21093	9197	1295	1044	108900	52950	36192	14410	3948	436	964	108900
22	TELENGANA	34070	426314	169976	32321	1730	4475	668886	42791	292329	256768	69466	2697	4835	668886

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
23	TRIPURA	1095	254	1	0	0	1	1351	671	657	21	1	0	1	1351
24	UTTARAKHAND	424	1994	1867	475	115	125	5000	453	2049	1951	356	103	88	5000
25	UTTAR PRADESH	37363	190586	159060	20728	4420	5986	418143	31443	168236	178942	27288	7827	4407	418143
26	WEST BENGAL	13261	53581	14062	1	1	1	80907	28237	52667	1	2	0	0	80907
	Total	1119091	1929185	993532	159897	23586	25319	4250610	709884	2330493	969869	178620	41057	20687	4250610

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TABLE 3.16: DISTRIBUTION OF MEDIUM TUBEWELLS ACCORDING TO DEPTH

(In Number)

S.No.	State	No. by the depth of Medium tube well					
		0 to 35 mts	35 to 40 mts	40 to 60 mts	60 to 70 mts	>70 mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	0	28758	112195	96760	0	237713
2	ARUNACHAL PRADESH	0	1	1	0	0	2
3	ASSAM	0	138	186	45	0	369
4	BIHAR	0	128378	290860	36412	0	455650
5	CHHATISGARH	0	13492	89381	54071	0	156944
6	GOA	0	6	14	1	0	21
7	GUJARAT	0	29300	233992	126964	0	390256
8	HARYANA	0	5365	31976	12154	0	49495
9	HIMACHAL PRADESH	0	820	2273	507	0	3600
10	JAMMU & KASHMIR	0	136	169	13	0	318
11	JHARKHAND	0	493	566	150	0	1209
12	KARNATAKA	0	9682	135813	551207	0	696702
13	KERALA	0	287	1457	3557	0	5301
14	MADHYA PRADESH	0	24670	125488	93623	0	243781
15	MAHARASHTRA	0	1872	148958	23364	0	174194
16	MIZORAM	0	0	22	1	0	23
17	NAGALAND	0	0	3	0	0	3
18	ODISHA	0	13917	21993	10640	0	46550
19	PUDUCHERRY	0	295	1055	478	0	1828
20	PUNJAB	0	37349	245959	135630	0	418938
21	RAJASTHAN	0	10611	51060	78709	0	140380
22	TAMIL NADU	0	20786	75888	13986	0	110660
23	TELENGANA	14446	32351	319204	311148	7	677156

(In Number)

S.No.	State	No. by the depth of Medium tube well					
		0 to 35 mts	35 to 40 mts	40 to 60 mts	60 to 70 mts	>70 mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	TRIPURA	0	74	541	853	0	1468
25	UTTARAKHAND	0	291	1762	2950	0	5003
26	UTTAR PRADESH	2	92201	222648	103465	0	418316
27	WEST BENGAL	0	21498	30671	30097	0	82266
	Total	14448	472771	2144135	1686785	7	4318146

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TABLE 3.17: DISTRIBUTION OF MEDIUM TUBEWELLS IN AND OUTSIDE THE COMMAND AREA OF MAJOR/MEDIUM PROJECTS

(In Number)

S.No.	State	Outside command	No. of Medium tube wells inside the command area- by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	196539	19783	14079	408	6904	41174	237713
2	ARUNACHAL PRADESH	2	0	0	0	0	0	2
3	ASSAM	369	0	0	0	0	0	369
4	BIHAR	451645	421	1738	174	1672	4005	455650
5	CHHATISGARH	149647	667	4672	17	1941	7297	156944
6	GOA	19	2	0	0	0	2	21
7	GUJARAT	347987	25810	44	3	16412	42269	390256
8	HARYANA	45631	644	957	4	2259	3864	49495
9	HIMACHAL PRADESH	3503	12	79	0	6	97	3600
10	JAMMU & KASHMIR	318	0	0	0	0	0	318
11	JHARKHAND	1207	0	2	0	0	2	1209
12	KARNATAKA	686211	2505	4893	12	3081	10491	696702
13	KERALA	4990	42	257	4	8	311	5301
14	MADHYA PRADESH	184918	939	57236	20	668	58863	243781
15	MAHARASHTRA	156845	16	12	0	17321	17349	174194
16	MIZORAM	23	0	0	0	0	0	23
17	NAGALAND	3	0	0	0	0	0	3
18	ODISHA	39334	2793	3336	166	921	7216	46550
19	PUDUCHERRY	1828	0	0	0	0	0	1828
20	PUNJAB	391738	2684	22521	57	1938	27200	418938

(In Number)

S.No.	State	Outside command	No. of Medium tube wells inside the command area- by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
21	RAJASTHAN	124566	1807	5530	144	8333	15814	140380
22	TAMIL NADU	99903	1045	6511	175	3026	10757	110660
23	TELENGANA	609653	9090	51726	1086	5601	67503	677156
24	TRIPURA	1468	0	0	0	0	0	1468
25	UTTARAKHAND	5000	3	0	0	0	3	5003
26	UTTAR PRADESH	411275	1448	2240	46	3307	7041	418316
27	WEST BENGAL	80303	0	0	0	1963	1963	82266
	Total	3994925	69711	175833	2316	75361	323221	4318146

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.18.1: CCA AND SEASON WISE POTENTIAL CREATED THROUGH MEDIUM TUBEWELLS - ALL SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	262701.48	163436.83	130164.33	45403.44	3674.66	342679.26
2	ARUNACHAL PRADESH	62.00	40.00	25.00	5.00	2.00	72.00
3	ASSAM	2167.30	1597.12	750.15	5.00	0.00	2352.27
4	BIHAR	3067379.06	1815026.42	1502082.23	268778.47	323680.40	3909567.52
5	CHHATISGARH	351877.42	255076.06	212509.63	473.08	234.62	468293.39
6	GOA	30.15	0.00	0.15	30.00	0.00	30.15
7	GUJARAT	916290.31	626855.18	627626.10	175702.93	7112.42	1437296.63
8	HARYANA	224534.30	211358.59	213548.11	1714.80	1866.59	428488.09
9	HIMACHAL PRADESH	13471.60	11283.89	12049.00	206.96	91.85	23631.70
10	JAMMU & KASHMIR	435.66	429.66	386.14	0.15	0.95	816.90
11	JHARKHAND	2546.63	1632.99	905.72	64.78	121.94	2725.43
12	KARNATAKA	1059910.36	875919.77	186480.12	56139.30	94389.54	1212928.73
13	KERALA	3976.02	579.84	896.90	2426.97	238.80	4142.51
14	MADHYA PRADESH	831972.05	217645.82	755061.57	17566.66	38064.20	1028338.25
15	MAHARASHTRA	333662.36	163582.12	147498.74	46763.59	4214.80	362059.25
16	MIZORAM	0.85	0.50	0.80	0.00	0.00	1.30
17	NAGALAND	32.00	25.00	6.00	2.00	1.00	34.00
18	ODISHA	125324.93	103048.14	80529.72	294.92	1170.02	185042.80
19	PUDUCHERRY	2312.58	1815.00	1702.29	147.24	348.59	4013.12
20	PUNJAB	1136506.15	1117504.07	1116464.35	13017.15	7063.52	2254049.09
21	RAJASTHAN	739474.89	129935.46	684681.61	1679.70	18007.92	834304.69
22	TAMIL NADU	373319.41	247985.41	166566.01	43139.39	14179.69	471870.50
23	TELENGANA	803450.15	703864.01	573608.62	5227.38	1161.84	1283861.85

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	TRIPURA	2589.19	2145.37	2102.09	3.40	34.40	4285.26
25	UTTARAKHAND	24484.82	16323.39	15406.48	4529.13	3924.19	40183.19
26	UTTAR PRADESH	3199722.41	1334601.08	1480573.36	570126.78	667245.70	4052546.92
27	WEST BENGAL	479786.07	332974.14	199714.67	18425.93	272993.23	824107.97
	Total	13958020.15	8334685.86	8111339.89	1271874.15	1459822.87	19177722.77

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.18.2: CCA AND SEASON WISE POTENTIAL CREATED THROUGH IN USE MEDIUM TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	244857.20	151236.77	122183.83	43449.73	3450.22	320320.55
2	ASSAM	1563.40	1189.22	505.15	4.00	0.00	1698.37
3	BIHAR	3044395.26	1804815.51	1494161.47	265825.81	319668.55	3884471.34
4	CHHATISGARH	351188.13	254524.60	212244 .61	472.08	233.62	467474.91
5	GOA	30.15	0.00	0.15	30.00	0.00	30.15
6	GUJARAT	905829.86	619380.59	620515.04	174042.67	7080.79	1421019.09
7	HARYANA	222007.80	210179.09	211853.61	1714.80	1866.59	425614.09
8	HIMACHAL PRADESH	13452.58	11266.22	12030.38	206.96	91.85	23595.41
9	JAMMU & KASHMIR	435.66	429.66	386.14	0.15	0.95	816.90
10	JHARKHAND	2526.87	1621.03	899.32	63.08	121.59	2705.02
11	KARNATAKA	1058964.62	875249.68	186275.68	56030.65	94255.29	1211811.30
12	KERALA	3970.95	578.86	896.45	2424.24	237.89	4137.44
13	MADHYA PRADESH	830118.12	217136.60	753383.91	17540.69	38016.65	1026077.85
14	MAHARASHTRA	332509.65	162780.95	147150.58	46660.51	4192.68	360784.72
15	MIZORAM	0.85	0.50	0.80	0.00	0.00	1.30
16	NAGALAND	18.00	12.00	4.00	1.00	1.00	18.00
17	ODISHA	119044.38	97982.44	76907.41	283.98	1012.61	176186.44
18	PUDUCHERRY	2283.18	1788.60	1676.71	147.24	344.77	3957.32
19	PUNJAB	1136289.32	1117287.24	1116247.52	13017.15	7062.31	2253614.22
20	RAJASTHAN	734277.35	127833.86	679735.19	1675.52	17783.02	827027.59
21	TAMIL NADU	368048.53	245135.29	165025.16	42008.01	14015.10	466183.56
22	TELENGANA	790189.05	692601.33	566079.10	5201.51	1147.66	1265029.60
23	TRIPURA	1919.09	1577.82	1561.84	3.40	21.70	3164.76

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	UTTARAKHAND	24481.62	16321.94	15405.03	4528.63	3923.69	40179.29
25	UTTAR PRADESH	3185200.30	1329960.77	1475096.41	566205.56	662842.05	4034104.79
26	WEST BENGAL	457062.42	315057.22	186435.40	17402.67	261640.66	780535.95
	Total	13830664.34	8255947.79	8046660.89	1258940.04	1439011.24	19000559.96

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.18.3: CCA AND SEASON WISE POTENTIAL CREATED THROUGH TEMPORARILY NOT IN USE MEDIUM TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	14397.91	9972.47	6342.86	1509.30	173.20	17997.83
2	ASSAM	187.00	172.00	64.00	1.00	0.00	237.00
3	BIHAR	19380.14	8664.81	7047.86	2264.75	3414.10	21391.52
4	CHHATISGARH	469.28	351.78	215.95	1.00	1.00	569.73
5	GUJARAT	6703.37	4324.09	4245.08	1576.06	27.08	10172.31
6	HARYANA	2526.50	1179.50	1694.50	0.00	0.00	2874.00
7	HIMACHAL PRADESH	10.11	8.76	9.71	0.00	0.00	18.47
8	JHARKHAND	14.76	9.46	4.15	1.45	0.35	15.41
9	KARNATAKA	628.19	424.51	156.45	91.23	68.29	740.48
10	KERALA	4.26	0.98	0.45	2.73	0.10	4.26
11	MADHYA PRADESH	1122.01	303.69	1017.73	19.22	25.13	1365.77
12	MAHARASHTRA	923.47	635.68	289.15	72.87	8.80	1006.50
13	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00
14	NAGALAND	14.00	13.00	2.00	1.00	0.00	16.00
15	ODISHA	4705.24	3840.05	2694.44	5.94	157.31	6697.74
16	PUDUCHERRY	18.82	18.82	18.82	0.00	0.00	37.64
17	PUNJAB	216.83	216.83	216.83	0.00	1.21	434.87
18	RAJASTHAN	4450.81	2056.31	4231.31	4.18	223.60	6515.40
19	TAMIL NADU	4496.15	2221.96	1275.93	1092.61	136.43	4726.93
20	TELENGANA	8791.45	7298.92	4720.49	17.17	13.57	12050.15
21	TRIPURA	467.20	400.35	379.75	0.00	11.70	791.80
22	UTTARAKHAND	3.10	1.35	1.35	0.50	0.50	3.70
23	UTTAR PRADESH	14472.21	4616.56	5451.30	3919.32	4397.15	18384.33
24	WEST BENGAL	13329.47	10287.38	6692.55	666.18	5140.24	22786.35
	Total	97332.28	57019.26	46772.66	11246.51	13799.76	128838.19

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.18.4: CCA AND SEASON WISE POTENTIAL CREATED THROUGH PERMANENTLY NOT IN USE MEDIUM TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	3446.37	2227.59	1637.64	444.41	51.24	4360.88
2	ARUNACHAL PRADESH	62.00	40.00	25.00	5.00	2.00	72.00
3	ASSAM	416.90	235.90	181.00	0.00	0.00	416.90
4	BIHAR	3603.66	1546.10	872.90	687.91	597.75	3704.66
5	CHHATISGARH	220.01	199.68	49.07	0.00	0.00	248.75
6	GOA	0.00	0.00	0.00	0.00	0.00	0.00
7	GUJARAT	3757.08	3150.50	2865.98	84.20	4.55	6105.23
8	HARYANA	0.00	0.00	0.00	0.00	0.00	0.00
9	HIMACHAL PRADESH	8.91	8.91	8.91	0.00	0.00	17.82
10	JHARKHAND	5.00	2.50	2.25	0.25	0.00	5.00
11	KARNATAKA	317.55	245.58	47.99	17.42	65.96	376.95
12	KERALA	0.81	0.00	0.00	0.00	0.81	0.81
13	MADHYA PRADESH	731.92	205.53	659.93	6.75	22.42	894.63
14	MAHARASHTRA	229.24	165.49	59.01	30.21	13.32	268.03
15	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00
16	ODISHA	1575.31	1225.65	927.87	5.00	0.10	2158.62
17	PUDUCHERRY	10.58	7.58	6.76	0.00	3.82	18.16
18	PUNJAB	0.00	0.00	0.00	0.00	0.00	0.00
19	RAJASTHAN	746.73	45.29	715.11	0.00	1.30	761.70
20	TAMIL NADU	774.73	628.16	264.92	38.77	28.16	960.01
21	TELENGANA	4469.65	3963.76	2809.03	8.70	0.61	6782.10
22	TRIPURA	202.90	167.20	160.50	0.00	1.00	328.70

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	UTTARAKHAND	0.10	0.10	0.10	0.00	0.00	0.20
24	UTTAR PRADESH	49.90	23.75	25.65	1.90	6.50	57.80
25	WEST BENGAL	9394.18	7629.54	6586.72	357.08	6212.33	20785.67
	Total	30023.53	21718.81	17906.34	1687.60	7011.87	48324.62

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.19.1: SEASON WISE POTENTIAL UTILISED THROUGH MEDIUM TUBEWELLS – ALL SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	27272.75	20332.72	2762.27	247.64	50615.38	114767.45	92509.25	36490.21	3087.90	246854.81	142040.20	112841.97	39252.48	3335.54	297470.19
2	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	ASSAM	0.00	0.00	0.00	0.00	0.00	970.61	332.94	1.50	0.00	1305.05	970.61	332.94	1.50	0.00	1305.05
4	BIHAR	9717.94	7876.51	2715.05	2587.25	22896.75	1426884.02	1168494.91	200353.93	207075.52	3002808.38	1436601.96	1176371.42	203068.98	209662.77	3025705.13
5	CHHATISGARH	8834.38	7842.93	10.46	26.41	16714.18	201546.00	161814.47	312.90	88.88	363762.25	210380.38	169657.40	323.36	115.29	380476.43
6	GOA	0.00	0.00	6.10	0.00	6.10	0.00	0.15	23.90	0.00	24.05	0.00	0.15	30.00	0.00	30.15
7	GUJARAT	66972.23	67106.71	22735.52	2321.29	159135.75	476294.61	476451.29	127833.61	3908.49	1084488.00	543266.84	543558.00	150569.13	6229.78	1243623.75
8	HARYANA	16919.70	16010.44	0.30	232.72	33163.16	188022.62	190567.49	1709.00	741.26	381040.37	204942.32	206577.93	1709.30	973.98	414203.53
9	HIMACHAL PRADESH	125.57	130.95	0.00	0.00	256.52	9776.07	10818.78	180.56	90.63	20866.04	9901.64	10949.73	180.56	90.63	21122.56
10	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	403.09	337.09	0.10	0.90	741.18	403.09	337.09	0.10	0.90	741.18
11	JHARKHAND	0.50	0.00	0.00	0.00	0.50	1303.77	738.38	43.79	93.71	2179.65	1304.27	738.38	43.79	93.71	2180.15
12	KARNATAKA	9534.70	4934.48	1424.78	3883.97	19777.93	855867.72	174957.90	52548.75	86875.91	1170250.28	865402.42	179892.38	53973.53	90759.88	1190028.21
13	KERALA	181.99	300.40	96.44	8.39	587.22	378.78	591.66	2302.84	225.49	3498.77	560.77	892.06	2399.28	233.88	4085.99
14	MADHYA PRADESH	58239.40	172816.03	4597.20	9328.68	244981.31	131739.50	547594.12	11925.92	22644.93	713904.47	189978.90	720410.15	16523.12	31973.61	958885.78
15	MAHARASHTRA	10270.23	7731.44	4107.54	63.90	22173.11	136953.69	121565.08	36735.84	2919.66	298174.27	147223.92	129296.52	40843.38	2983.56	320347.38
16	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.50	0.30	0.00	0.00	0.80	0.50	0.30	0.00	0.00	0.80
17	NAGALAND	0.00	0.00	0.00	0.00	0.00	11.00	3.00	1.00	1.00	16.00	11.00	3.00	1.00	1.00	16.00
18	ODISHA	7722.47	6167.54	25.61	12.45	13928.07	49241.83	42789.29	167.58	93.50	92292.20	56964.30	48956.83	193.19	105.95	106220.27
19	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	1807.42	1695.53	147.24	344.77	3994.96	1807.42	1695.53	147.24	344.77	3994.96
20	PUNJAB	59084.42	54363.72	62.55	1.61	113512.30	1004182.60	998362.89	12862.33	5845.70	2021253.52	1063267.02	1052726.61	12924.88	5847.31	2134765.82
21	RAJASTHAN	28285.76	51589.97	14.87	84.62	79975.22	77406.56	579944.97	575.80	12395.20	670322.53	105692.32	631534.94	590.67	12479.82	750297.75
22	TAMIL NADU	14465.52	10362.74	1469.61	425.38	26723.25	219728.70	143798.21	37890.30	10594.39	412011.60	234194.22	154160.95	39359.91	11019.77	438734.85
23	TELENGANA	71412.93	55319.85	68.62	1.00	126802.40	561853.07	423060.47	4819.24	915.63	990648.41	633266.00	478380.32	4887.86	916.63	1117450.81
24	TRIPURA	0.00	0.00	0.00	0.00	0.00	1742.79	1706.64	3.00	31.30	3483.73	1742.79	1706.64	3.00	31.30	3483.73
25	UTTARAKHAND	10.00	10.00	0.00	5.29	25.29	14947.05	14330.07	4030.53	3249.46	36557.11	14957.05	14340.07	4030.53	3254.75	36582.40
26	UTTAR PRADESH	14714.08	17555.01	4321.97	6006.41	42597.47	1043287.12	1181683.11	446359.94	482447.93	3153778.10	1058001.20	1199238.12	450681.91	488454.34	3196375.57
27	WEST BENGAL	6965.19	3665.40	136.23	7936.28	18703.10	289167.26	167660.04	13998.20	238916.97	709742.47	296132.45	171325.44	14134.43	246853.25	728445.57
	Total	410729.76	504116.84	44555.12	33173.29	992575.01	6808283.83	6501808.03	991318.01	1082589.13	15383999.00	7219013.59	7005924.87	1035873.13	1115762.42	16376574.01

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.19.2: SEASON WISE POTENTIAL UTILISED THROUGH IN USE MEDIUM TUBEWELLS

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	26714.54	19977.89	2700.49	246.47	49639.39	110400.34	89875.92	35867.97	3042.16	239186.39	137114.88	109853.81	38568.46	3288.63	288825.78
2	ASSAM	0.00	0.00	0.00	0.00	0.00	861.21	307.54	1.00	0.00	1169.75	861.21	307.54	1.00	0.00	1169.75
3	BIHAR	8840.54	7211.26	2224.99	2167.18	20443.97	1420083.04	1162813.43	198804.45	204719.11	2986420.03	1428923.58	1170024.69	201029.44	206886.29	3006864.00
4	CHHATISGARH	8831.56	7841.11	10.46	26.41	16709.54	201431.47	161753.44	312.90	88.88	363586.69	210263.03	169594.55	323.36	115.29	380296.23
5	GOA	0.00	0.00	6.10	0.00	6.10	0.00	0.15	23.90	0.00	24.05	0.00	0.15	30.00	0.00	30.15
6	GUJARAT	65410.53	65547.14	22655.90	2319.45	155933.02	474123.37	474320. 32	126541.24	3886.97	1078871.90	539533.90	539867.46	149197.14	6206.42	1234804.92
7	HARYANA	16888.70	15982.44	0.30	232.72	33104.16	186889.12	188918.99	1709.00	741.26	378258.37	203777.82	204901.43	1709.30	973.98	411362.53
8	HIMACHAL PRADESH	123.54	128.92	0.00	0.00	252.46	9769.34	10811.10	180.56	90.63	20851.63	9892.88	10940.02	180.56	90.63	21104.09
9	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	403.09	337.09	0.10	0.90	741.18	403.09	337.09	0.10	0.90	741.18
10	JHARKHAND	0.50	0.00	0.00	0.00	0.50	1295.86	735.1 8	43.14	93.41	2167.59	1296.36	735.18	43.14	93.41	2168.09
11	KARNATAKA	9509.93	4931.46	1424.78	3882.15	19748.32	855476.93	174812.08	52460.47	86815.78	1169565.26	864986.86	179743.54	53885.25	90697.93	1189313.58
12	KERALA	181.99	300.40	96.44	8.39	587.22	377.80	591.21	2300.51	225.39	3494.91	559.79	891.61	2396.95	233.78	4082.13
13	MADHYA PRADESH	58135.88	172591.61	4588.08	9323.27	244638.84	131610.82	546919.16	11916.72	22633.68	713080.38	189746.70	719510.77	16504.80	31956.95	957719.22
14	MAHARASHTRA	10264 .67	7726.98	4104.91	63.90	22160.46	136507.14	121331.23	36690.81	2911.36	297440.54	146771.81	129058.21	40795.72	2975.26	319601.00
15	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.50	0.30	0.00	0.00	0.80	0.50	0.30	0.00	0.00	0.80
16	NAGALAND	0.00	0.00	0.00	0.00	0.00	10.00	2.00	0.00	1.00	13.00	10.00	2.00	0.00	1.00	13.00
17	ODISHA	7580.60	6062.29	24.93	12.45	13680.27	48331.15	42370.17	165.31	92.80	90959.43	55911.75	48432.46	190.24	105.25	104639.70
18	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	1788.60	1676.71	147.24	344.77	3957.32	1788.60	1676.71	147.24	344.77	3957.32
19	PUNJAB	59069.35	54349.05	62.55	0.40	113481.35	1003991.93	998172.43	12862.33	5845.70	2020872.39	1063061.28	1052521.48	12924.88	5846.10	2134353.74
20	RAJASTHAN	27906.63	50956.94	14.87	84.62	78963.06	77377. 23	579520.98	575.80	12394.40	669868.41	105283.86	630477.92	590.67	12479.02	748831.47
21	TAMIL NADU	14411.03	10334.70	1439.92	415.80	26601.45	217939.46	142966.63	37094.72	10486.00	408486.81	232350.49	153301.33	38534.64	10901.80	435088.26
22	TELENGANA	71344.05	55277.53	66.61	0.00	126688.19	557032.97	420581.87	4806.10	911.38	983332.32	628377.02	475859.40	4872.71	911.38	1110020.51
23	TRIPURA	0.00	0.00	0.00	0.00	0.00	1408.79	1378.29	3.00	19.70	2809.78	1408.79	1378.29	3.00	19.70	2809.78
24	UTTARAKHAND	10.00	10.00	0.00	5.29	25.29	14945.95	14328.97	4030.03	3248.96	36553.91	14955.95	14338.97	4030.03	3254.25	36579.20
25	UTTAR PRADESH	14669.08	17492.01	4314.47	5993.91	42469.47	1039755.20	1177397.28	443199.47	479123.46	3139475.41	1054424.28	1194889.29	447513.9 4	485117.37	3181944.88
26	WEST BENGAL	6256.62	3277.90	107.42	7528.92	17170.86	280817.17	162198.13	13534.35	234744.89	691294.54	287073.79	165476.03	13641.77	242273.81	708465.40
	Total	406149.74	499999.63	43843.22	32311.33	982303.92	6772628.48	6474120.6 0	983271.12	1072462.59	15302482.79	7178778.22	6974120.23	1027114.34	1104773.92	16284786.71

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.19.3: SEASON WISE POTENTIAL UTILISED THROUGH TEMPORARILY NOT IN USE MEDIUM TUBEWELLS

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	558.21	354.83	61.78	1.17	975.99	4367.11	2633.33	622.24	45.74	7668.42	4925.32	2988.16	684.02	46.91	8644.41
2	ASSAM	0.00	0.00	0.00	0.00	0.00	109.40	25.40	0.50	0.00	135.30	109.40	25.40	0.50	0.00	135.30
3	BIHAR	877.40	665.25	490.06	420.07	2452.78	6800.98	5681.48	1549.48	2356.41	16388.35	7678.38	6346.73	2039.54	2776.48	18841.13
4	CHHATISGARH	2.82	1.82	0.00	0.00	4.64	114.53	61.03	0.00	0.00	175.56	117.35	62.85	0.00	0.00	180.20
5	GUJARAT	1561.70	1559.57	79.62	1.84	3202.73	2171.24	2130.97	1292.37	21.52	5616.10	3732.94	3690.54	1371.99	23.36	8818.83
6	HARYANA	31.00	28.00	0.00	0.00	59.00	1133.50	1648.50	0.00	0.00	2782.00	1164.50	1676.50	0.00	0.00	2841.00
7	HIMACHAL PRADESH	2.03	2.03	0.00	0.00	4.06	6.73	7.68	0.00	0.00	14.41	8.76	9.71	0.00	0.00	18.47
8	JHARKHAND	0.00	0.00	0.00	0.00	0.00	7.91	3.20	0.65	0.30	12.06	7.91	3.20	0.65	0.30	12.06
9	KARNATAKA	24.77	3.02	0.00	1.82	29.61	390.79	145.82	88.28	60.13	685.02	415.56	148.84	88.28	61.95	714.63
10	KERALA	0.00	0.00	0.00	0.00	0.00	0.98	0.45	2.33	0.10	3.86	0.98	0.45	2.33	0.10	3.86
11	MADHYA PRADESH	103.52	224.42	9.12	5.41	342.47	128.68	674.96	9.20	11.25	824.09	232.20	899.38	18.32	16.66	1166.56
12	MAHARASHTRA	5.56	4.46	2.63	0.00	12.65	446.55	233.85	45.03	8.30	733.73	452.11	238.31	47.66	8.30	746.38
13	MIZORAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NAGALAND	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	3.00	1.00	1.00	1.00	0.00	3.00
15	ODISHA	141.87	105.25	0.68	0.00	247.80	910.68	419.12	2.27	0.70	1332.77	1052.55	524.37	2.95	0.70	1580.57
16	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	18.82	18.82	0.00	0.00	37.64	18.82	18.82	0.00	0.00	37.64
17	PUNJAB	15.07	14.67	0.00	1.21	30.95	190.67	190.46	0.00	0.00	381.13	205.74	205.13	0.00	1.21	412.08
18	RAJASTHAN	379.13	633.03	0.00	0.00	1012.16	29.33	423.99	0.00	0.80	454.12	408.46	1057.02	0.00	0.80	1466.28
19	TAMIL NADU	54.49	28.04	29.69	9.58	121.80	1789.24	831.58	795.58	108.39	3524.79	1843.73	859.62	825.27	117.97	3646.59
20	TELENGANA	68.88	42.32	2.01	1.00	114.21	4820.10	2478.60	13.14	4.25	7316.09	4888.98	2520.92	15.15	5.25	7430.30
21	TRIPURA	0.00	0.00	0.00	0.00	0.00	334.00	328.35	0.00	11.60	673.95	334.00	328.35	0.00	11.60	673.95
22	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	1.10	1.10	0.50	0.50	3.20	1.10	1.10	0.50	0.50	3.20
23	UTTAR PRADESH	45.00	63.00	7.50	12.50	128.00	3531.92	4285.83	3160.47	3324.47	14302.69	3576.92	4348.83	3167.97	3336.97	14430.69
24	WEST BENGAL	708.57	387.50	28.81	407.36	1532.24	8350.09	5461.91	463.85	4172.08	18447.93	9058.66	5849.41	492.66	4579.44	19980.17
	Total	4580.02	4117.21	711.90	861.96	10271.09	35655.35	27687.43	8046.89	10126.54	81516.21	40235.37	31804.64	8758.79	10988.50	91787.30

MINOR IRRIGATION CENSUS (2017-18)

TABLE 3.20: DISTRIBUTION OF IN USE MEDIUM TUBEWELLS ACCORDING TO CONSTRAINTS IN UTILISATION OF POTENTIAL

(In Number)

S.No.	State	No. of Medium tube wells in use	No. of Medium tube wells without constraint	No. of Medium tube well Having Constraints in utilisation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDHRA PRADESH	217873	175398	2325	1896	26322	3435	3240	5257	42475
2	ASSAM	329	329	0	0	0	0	0	0	0
3	BIHAR	451508	426879	1254	9343	5395	617	275	7745	24629
4	CHHATISGARH	156525	139835	1204	2239	4543	362	428	7914	16690
5	GOA	20	19	0	0	0	0	0	1	1
6	GUJARAT	386512	386286	17	185	0	24	0	0	226
7	HARYANA	49385	48676	5	190	52	8	15	439	709
8	HIMACHAL PRADESH	3593	3105	5	10	4	1	8	460	488
9	JAMMU & KASHMIR	318	307	2	0	0	0	0	9	11
10	JHARKHAND	1191	947	13	66	109	23	7	26	244
11	KARNATAKA	695172	666636	9042	1161	16464	85	271	1513	28536
12	KERALA	5275	5220	17	3	19	0	0	16	55
13	MADHYA PRADESH	242737	236462	895	121	357	57	185	4660	6275
14	MAHARASHTRA	172825	101505	5556	55386	6221	0	79	4078	71320
15	MIZORAM	7	7	0	0	0	0	0	0	0
16	NAGALAND	1	1	0	0	0	0	0	0	0
17	ODISHA	42909	27040	1299	1185	2851	1098	503	8933	15869
18	PUDUCHERRY	1757	1652	0	50	0	0	44	11	105
19	PUNJAB	418861	408755	4532	66	2528	1	5	2974	10106
20	RAJASTHAN	138337	113455	1966	495	18075	131	165	4050	24882
21	TAMIL NADU	106335	101773	510	633	2003	32	43	1341	4562
22	TELENGANA	657628	565004	2660	4520	76863	961	1076	6544	92624

(In Number)

S.No.	State	No. of Medium tube wells in use	No. of Medium tube wells without constraint	No. of Medium tube well Having Constraints in utilisation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	TRIPURA	1083	1083	0	0	0	0	0	0	0
24	UTTARAKHAND	4998	4763	6	41	19	3	72	94	235
25	UTTAR PRADESH	416371	408571	2600	2012	429	42	288	2424	7795
26	WEST BENGAL	78614	67676	2067	638	1297	275	955	5706	10938
	Total	4250164	3891384	35975	80240	163551	7155	7659	64195	358775

Deep Tubewells

Tables

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.1: DISTRIBUTION OF DEEP TUBEWELLS ACCORDING TO OWNERSHIP

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDHRA PRADESH	1038	119	590	1284	3031	16411	506151	522562	525593
2	ARUNACHAL PRADESH	4	0	0	0	4	1	0	1	5
3	ASSAM	530	0	1	3	534	20	120	140	674
4	BIHAR	140	92	58	249	539	31	35207	35238	35777
5	CHANDIGARH	29	0	0	0	29	0	1	1	30
6	CHHATISGARH	138	17	85	304	544	817	115993	116810	117354
7	GOA	1	0	0	0	1	2	4	6	7
8	GUJARAT	5746	130	999	29	6904	6499	265637	272136	279040
9	HARYANA	167	110	785	3515	4577	104885	38611	143496	148073
10	HIMACHAL PRADESH	593	15	9	11	628	151	626	777	1405
11	JAMMU & KASHMIR	4	0	0	0	4	18	639	657	661
12	JHARKHAND	63	23	27	10	123	86	311	397	520
13	KARNATAKA	335	42	116	558	1051	478	329295	329773	330824
14	KERALA	2	4	36	18	60	82	1729	1811	1871
15	MADHYA PRADESH	594	233	143	1349	2319	36061	194340	230401	232720
16	MAHARASHTRA	246	83	109	58	496	24205	154882	179087	179583
17	MEGHALAYA	5	0	0	0	5	0	0	0	5
18	NAGALAND	4	0	0	0	4	6	0	6	10
19	ODISHA	2309	164	208	34	2715	424	58295	58719	61434
20	PUDUCHERRY	0	18	0	18	36	5	1300	1305	1341
21	PUNJAB	342	18	718	352	1430	11942	560258	572200	573630
22	RAJASTHAN	254	160	347	1147	1908	257661	218717	476378	478286

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Co-op Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	TAMIL NADU	856	558	755	1806	3975	58225	231734	289959	293934
24	TELENGANA	424	26	227	745	1422	1561	364536	366097	367519
25	TRIPURA	244	0	0	2	246	9	11	20	266
26	UTTARAKHAND	947	14	32	25	1018	294	427	721	1739
27	UTTAR PRADESH	9124	224	292	69	9709	165	97009	97174	106883
28	WEST BENGAL	4012	91	359	288	4750	659	5654	6313	11063
	Total	28151	2141	5896	11874	48062	520698	3181487	3702185	3750247

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.2.1: DISTRIBUTION OF DEEP TUBEWELLS ACCORDING TO SOCIAL STATUS OF OWNER

(In Number)

S.No.	State	No. of Deep tube well owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	32149	14019	179990	279993	506151	19442	525593
2	ARUNACHAL PRADESH	0	0	0	0	0	5	5
3	ASSAM	1	0	1	118	120	554	674
4	BIHAR	1632	654	21048	11873	35207	570	35777
5	CHANDIGARH	0	0	0	1	1	29	30
6	CHHATISGARH	13417	20656	72727	9193	115993	1361	117354
7	GOA	0	0	0	4	4	3	7
8	GUJARAT	68057	65001	64887	67692	265637	13403	279040
9	HARYANA	611	228	3897	33875	38611	109462	148073
10	HIMACHAL PRADESH	75	76	50	425	626	779	1405
11	JAMMU & KASHMIR	196	11	33	399	639	22	661
12	JHARKHAND	11	69	172	59	311	209	520
13	KARNATAKA	25502	12921	92814	198058	329295	1529	330824
14	KERALA	33	28	753	915	1729	142	1871
15	MADHYA PRADESH	13131	15424	125066	40719	194340	38380	232720
16	MAHARASHTRA	25266	28624	46632	54360	154882	24701	179583
17	MEGHALAYA	0	0	0	0	0	5	5
18	NAGALAND	0	0	0	0	0	10	10
19	ODISHA	6196	8177	23716	20206	58295	3139	61434
20	PUDUCHERRY	58	4	915	323	1300	41	1341
21	PUNJAB	8871	1189	11897	538301	560258	13372	573630
22	RAJASTHAN	24918	21562	131610	40627	218717	259569	478286
23	TAMIL NADU	12149	1906	191785	25894	231734	62200	293934

(In Number)

S.No.	State	No. of Deep tube well owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	TELENGANA	39660	33981	208908	81987	364536	2983	367519
25	TRIPURA	2	4	1	4	11	255	266
26	UTTARAKHAND	7	34	105	281	427	1312	1739
27	UTTAR PRADESH	7704	1511	51240	36554	97009	9874	106883
28	WEST BENGAL	734	205	675	4040	5654	5409	11063
	Total	280380	226284	1228922	1445901	3181487	568760	3750247

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.2.2: DISTRIBUTION OF DEEP TUBEWELLS ACCORDING TO SOCIAL STATUS OF FEMALE OWNER

(In Number)

No.	State	No. of Deep tube well owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDHRA PRADESH	7072	3237	34316	50298	94923
2	ASSAM	0	0	0	20	20
3	BIHAR	61	27	337	280	705
4	CHHATISGARH	1275	1715	5735	1412	10137
5	GUJARAT	11240	10992	10783	11281	44296
6	HARYANA	44	30	189	2264	2527
7	HIMACHAL PRADESH	3	3	1	16	23
8	JAMMU & KASHMIR	6	0	0	7	13
9	JHARKHAND	0	0	4	1	5
10	KARNATAKA	4162	2801	15489	28562	51014
11	KERALA	3	7	137	144	291
12	MADHYA PRADESH	9227	10739	89352	26979	136297
13	MAHARASHTRA	4722	4978	9502	20574	39776
14	ODISHA	213	214	941	696	2064
15	PUDUCHERRY	12	0	80	29	121
16	PUNJAB	302	48	232	6207	6789
17	RAJASTHAN	2822	1883	13174	5299	23178
18	TAMIL NADU	1875	380	23784	3511	29550
19	TELENGANA	7895	6111	37103	13961	65070
20	UTTARAKHAND	0	2	3	10	15
21	UTTAR PRADESH	295	75	1136	940	2446
22	WEST BENGAL	19	4	13	83	119
	Total	51248	43246	242311	172574	509379

TABLE 4.3.1: DISTRIBUTION OF DEEP TUBE WELLS ACCORDING TO THE INDIVIDUAL OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Deep tube well by size class of owner					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	243976	166018	78849	14779	2529	506151
2	ASSAM	106	2	8	3	1	120
3	BIHAR	5376	19891	5955	2735	1250	35207
4	CHANDIGARH	0	0	1	0	0	1
5	CHHATISGARH	29612	39339	29547	15349	2146	115993
6	GOA	3	0	1	0	0	4
7	GUJARAT	83344	84345	72190	24655	1103	265637
8	HARYANA	1448	2239	17877	15677	1370	38611
9	HIMACHAL PRADESH	223	150	166	74	13	626
10	JAMMU & KASHMIR	389	207	39	2	2	639
11	JHARKHAND	76	88	138	7	2	311
12	KARNATAKA	145029	106747	51143	22355	4021	329295
13	KERALA	1062	386	190	75	16	1729
14	MADHYA PRADESH	43840	57507	56604	33127	3262	194340
15	MAHARASHTRA	45241	55928	36012	14977	2724	154882
16	ODISHA	5272	7535	18894	26244	350	58295
17	PUDUCHERRY	563	397	280	55	5	1300
18	PUNJAB	16453	75856	279701	163585	24663	560258
19	RAJASTHAN	19268	38471	56726	76096	28156	218717
20	TAMIL NADU	105695	64563	36727	12598	12151	231734
21	TELENGANA	215012	95615	40840	11434	1635	364536
22	TRIPURA	0	0	11	0	0	11
23	UTTARAKHAND	30	70	241	72	14	427
24	UTTAR PRADESH	18077	33058	31290	11620	2964	97009
25	WEST BENGAL	0	0	1756	3898	0	5654
	Total	980095	848412	815186	449417	88377	3181487

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TABLE 4.3.2: DISTRIBUTION OF DEEP TUBEWELLS ACCORDING TO THE INDIVIDUAL FEMALE OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Deep tube well by size class of owned					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2-4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	46889	31340	13871	2378	445	94923
2	ASSAM	20	0	0	0	0	20
3	BIHAR	140	284	146	62	73	705
4	CHHATISGARH	3098	3493	2208	1166	172	10137
6	GUJARAT	13803	13868	12299	4190	136	44296
7	HARYANA	85	97	1179	1084	82	2527
8	HIMACHAL PRADESH	13	4	3	2	1	23
9	JAMMU & KASHMIR	8	5	0	0	0	13
10	JHARKHAND	0	1	4	0	0	5
11	KARNATAKA	22988	16191	8240	3013	582	51014
12	KERALA	198	61	21	9	2	291
13	MADHYA PRADESH	30881	39777	39816	23435	2388	136297
14	MAHARASHTRA	11868	13477	9019	4488	924	39776
15	ODISHA	179	197	590	1083	15	2064
16	PUDUCHERRY	37	50	31	3	0	121
17	PUNJAB	231	1240	3224	1855	239	6789
18	RAJASTHAN	2041	3647	5850	8579	3061	23178
19	TAMIL NADU	14244	8110	4163	1408	1625	29550
20	TELENGANA	39161	16984	6769	1910	246	65070
21	UTTARAKHAND	2	1	5	7	0	15
22	UTTAR PRADESH	481	812	730	329	94	2446
23	WEST BENGAL	0	0	39	80	0	119
	Total	186367	149639	108207	55081	10085	509379

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TABLE 4.4: DISTRIBUTION OF DEEP TUBEWELLS AND COST OF CONSTRUCTION

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Deep Tube Wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDHRA PRADESH	355522	24734687	84938	5964807	41180	3113628	24800	1864443	19153	1536733	525593	37214297
2	ARUNACHAL PRADESH	4	370	0	0	1	500	0	0	0	0	5	870
3	ASSAM	446	180571	59	10098	124	55869	22	33823	23	19348	674	299709
4	BIHAR	10276	358688	4547	192410	4080	185950	3115	168314	13759	371431	35777	1276793
5	CHANDIGARH	28	28780	0	0	0	0	0	0	2	4000	30	32780
6	CHHATISGARH	64536	3057683	27280	1592221	13081	663548	6406	338845	6051	322067	117354	5974364
7	GOA	7	621	0	0	0	0	0	0	0	0	7	621
8	GUJARAT	276561	29493161	563	46728	48	5522	1644	146876	224	33963	279040	29726250
9	HARYANA	96607	14529335	15085	3075789	10164	2141248	6655	1327800	19562	3555759	148073	24629931
10	HIMACHAL PRADESH	1040	547313	139	52006	107	37022	54	20770	65	18460	1405	675572
11	JAMMU & KASHMIR	644	14192	14	280	1	500	0	0	2	140	661	15112
12	JHARKHAND	116	14495	80	11991	73	15577	105	23263	146	37684	520	103010
13	KARNATAKA	159715	12581631	55288	4622267	52243	4744143	29428	2565983	34150	2759218	330824	27273241
14	KERALA	1082	55147	245	15322	150	9571	204	8669	190	12246	1871	100955
15	MADHYA PRADESH	121197	1039786	39429	421986	31861	324445	23193	264158	17040	202931	232720	2253306
16	MAHARASHTRA	69819	3128098	18309	1084051	18365	1121257	48638	3058191	24452	1507794	179583	9899392
17	MEGHALAYA	5	772	0	0	0	0	0	0	0	0	5	772
18	NAGALAND	10	406	0	0	0	0	0	0	0	0	10	406
19	ODISHA	32453	2629819	17100	1004129	4880	414798	3403	273592	3598	216821	61434	4539160
20	PUDUCHERRY	993	98499	106	10373	2	200	1	85	239	22203	1341	131359
21	PUNJAB	487228	35881570	39273	3382130	18837	1560334	12787	1166880	15505	1262166	573630	43253080
22	RAJASTHAN	361893	57617035	58759	8116218	32483	4438966	16894	2497986	8257	1450283	478286	74120488
23	TAMIL NADU	233125	23790695	20867	2218035	10274	1022244	10030	927353	19638	1847991	293934	29806317

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Deep Tube Wells Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
24	TELENGANA	251861	11874979	51133	2524748	30035	1582829	17254	955595	17236	908154	367519	17846306
25	TRIPURA	223	397469	14	16475	10	5165	9	20700	10	11865	266	451675
26	UTTARAKHAND	1162	747752	203	71399	146	31688	153	53350	75	52920	1739	957109
27	UTTAR PRADESH	86728	13118699	6937	960592	5743	752576	3659	539245	3814	514707	106881	15885818
28	WEST BENGAL	7150	4839086	1314	913735	921	689470	666	525280	1012	699224	11063	7666795
	Total	2620431	240761337	441682	36307790	274809	22917051	209120	16781199	204203	17368109	3750245	334135487

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TABLE 4.5.1: DISTRIBUTION OF DEEP TUBEWELLS BY COST OF MAINTENANCE IN THE REFERENCE YEAR

(In Number)

S.No.	State	No. of Deep tube well according to the annual cost of maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	106017	286312	123233	8525	1506	525593
2	ARUNACHAL PRADESH	5	0	0	0	0	5
3	ASSAM	496	170	3	3	2	674
4	BIHAR	26180	8965	624	7	1	35777
5	CHANDIGARH	0	0	3	2	25	30
6	CHHATISGARH	69845	44647	2839	21	2	117354
7	GOA	4	3	0	0	0	7
8	GUJARAT	83	128883	150036	36	2	279040
9	HARYANA	17561	104847	24006	1315	344	148073
10	HIMACHAL PRADESH	1019	222	131	29	4	1405
11	JAMMU & KASHMIR	633	27	1	0	0	661
12	JHARKHAND	514	5	0	1	0	520
13	KARNATAKA	82029	136807	103560	8212	216	330824
14	KERALA	1400	452	18	1	0	1871
15	MADHYA PRADESH	230426	1523	643	128	0	232720
16	MAHARASHTRA	88129	82104	9240	82	28	179583
17	MEGHALAYA	5	0	0	0	0	5
18	NAGALAND	8	1	1	0	0	10
19	ODISHA	49011	11288	1090	41	4	61434
20	PUDUCHERRY	137	1058	139	7	0	1341
21	PUNJAB	190209	354851	27266	1245	59	573630
22	RAJASTHAN	53246	218705	177310	21258	7767	478286
23	TAMIL NADU	54186	176175	59456	3754	363	293934

(In Number)

S.No.	State	No. of Deep tube well according to the annual cost of maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	TELENGANA	48807	287017	31311	380	4	367519
25	TRIPURA	28	49	185	4	0	266
26	UTTARAKHAND	723	718	141	143	14	1739
27	UTTAR PRADESH	33703	50992	19877	2066	245	106883
28	WEST BENGAL	1	12	11050	0	0	11063
	Total	1054405	1895833	742163	47260	10586	3750247

Table.4.5.2: AVERAGE COST OF CONSTRUCTION, MACHINERY, ANNUAL MAINTENANCE AND AVERAGE AMOUNT OF SUBSIDY RECEIVED FOR DEEP TUBEWELLS

(Amount in thousand)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Deep tubewell for which subsidy was received	Average amount of subsidy	No. of Deep tubewell for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	71	65	10	42396	41	49610	36
2	ARUNACHAL PRADESH	174	152	0	0	0	0	0
3	ASSAM	445	12	2	8	10	3	107
4	BIHAR	36	22	2	2110	10	1982	6
5	CHANDIGARH	1093	281	498	1	200	1	40
6	CHHATISGARH	51	33	2	5045	31	8495	15
7	GOA	89	9	1	2	88	0	0
8	GUJARAT	107	61	13	1225	10	590	3
9	HARYANA	166	95	8	3894	12	3322	9
10	HIMACHAL PRADESH	481	104	6	96	142	46	40
11	JAMMU & KASHMIR	23	22	1	1	20	2	5
12	JHARKHAND	198	35	0	310	191	243	56
13	KARNATAKA	82	52	13	19310	60	17346	41
14	KERALA	54	24	1	21	16	111	6
15	MADHYA PRADESH	10	43	0	14696	36	20285	34
16	MAHARASHTRA	55	24	3	2209	25	2204	9
17	MEGHALAYA	154	30	0	0	0	0	0
18	NAGALAND	41	31	2	4	40	4	31
19	ODISHA	74	26	1	26150	62	16977	32
20	PUDUCHERRY	98	38	7	7	56	7	36
21	PUNJAB	75	60	4	823	11	1629	3

(Amount in thousand)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Deep tubewell for which subsidy was received	Average amount of subsidy	No. of Deep tubewell for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
22	RAJASTHAN	155	103	18	17755	10	168829	34
23	TAMIL NADU	101	43	9	32071	28	30671	11
24	TELENGANA	49	35	5	14791	24	14604	16
25	TRIPURA	1698	188	19	11	151	5	8
26	UTTARAKHAND	550	180	11	123	552	94	306
27	UTTAR PRADESH	149	82	8	16134	121	11353	29
28	WEST BENGAL	693	161	30	336	33	336	21
	Total	89	59	8	199529	44	348749	30

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TABLE 4.6: DISTRIBUTION OF DEEP TUBEWELLS UNDER INDIVIDUAL OWNERSHIP BY MAJOR SOURCE OF FINANCE

(In Number)

S.No.	State	With Single Source of Finance						With Two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving & Govt Fund	Own Saving & Money Lender	Bank Loan & Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	16323	1555	259077	32095	17168	326218	23597	2548	78828	338	11491	291	62840	179933	506151
2	ASSAM	0	0	0	0	0	0	0	0	0	0	0	0	120	120	120
3	BIHAR	27	43	991	1	64	1126	2270	691	343	550	40	54	30133	34081	35207
4	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
5	CHHATISGARH	46	205	5870	4	437	6562	4115	2799	539	308	14	20	101636	109431	115993
6	GOA	0	0	2	0	0	2	0	0	0	0	0	0	2	2	4
7	GUJARAT	17365	5422	130805	431	100839	254862	2952	707	30	96	39	20	6931	10775	265637
8	HARYANA	1253	1098	14639	518	3124	20632	1185	56	1893	74	148	87	14536	17979	38611
9	HIMACHAL PRADESH	10	6	259	0	8	283	134	58	0	5	1	0	145	343	626
10	JAMMU & KASHMIR	0	0	638	0	0	638	0	1	0	0	0	0	0	1	639
11	JHARKHAND	0	1	11	0	0	12	8	117	2	8	1	1	162	299	311
12	KARNATAKA	15734	1437	214788	3381	6301	241641	47282	1355	4140	1253	1470	41	32113	87654	329295
13	KERALA	26	7	1036	1	11	1081	131	61	11	2	0	0	443	648	1729
14	MADHYA PRADESH	7861	948	137115	670	16747	163341	2231	292	1569	41	38	34	26794	30999	194340
15	MAHARASHTRA	19636	13634	116344	1096	3258	153968	116	10	1	0	0	0	787	914	154882
16	ODISHA	202	973	4198	11	10	5394	2102	18122	2674	392	24	81	29506	52901	58295
17	PUDUCHERRY	0	0	0	0	0	0	4	1	0	0	0	0	1295	1300	1300
18	PUNJAB	7162	2402	293521	15640	6190	324915	4241	1552	117159	175	390	296	111530	235343	560258
19	RAJASTHAN	19640	588	54308	801	2357	77694	97179	444	12183	2608	3953	16	24640	141023	218717
20	TAMIL NADU	2811	581	126801	569	1634	132396	6989	727	11290	484	173	37	79638	99338	231734
21	TELENGANA	1309	299	70316	4985	193	77102	9444	1631	173194	543	2758	339	99525	287434	364536

(In Number)

S.No.	State	With Single Source of Finance						With Two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving & Govt Fund	Own Saving & Money Lender	Bank Loan & Govt Fund	Bank Loan & Money Lender	Govt Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
22	TRIPURA	0	11	0	0	0	11	0	0	0	0	0	0	0	0	11
23	UTTARAKHAND	3	2	84	0	0	89	10	1	8	0	0	0	319	338	427
24	UTTAR PRADESH	502	828	61385	33	931	63679	2407	6676	1058	128	26	5	23030	33330	97009
25	WEST BENGAL	253	83	4482	217	619	5654	0	0	0	0	0	0	0	0	5654
	Total	110163	30123	1496670	60453	159891	1857300	206397	37849	404922	7005	20566	1322	646126	1324187	3181487

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TABLE 4.7: DISTRIBUTION OF DEEP TUBEWELLS BY STATUS OF UTILISATION

(In Number)

S.No.	State	Deep tube well in use	Deep tube well not in use			Grand Total (3+6)	Number of Schemes meant only for re- charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDHRA PRADESH	414149	95415	16029	111444	525593	72	81	153
2	ARUNACHAL PRADESH	4	1	0	1	5	0	0	0
3	ASSAM	532	82	60	142	674	0	0	0
4	BIHAR	35256	393	128	521	35777	4395	167	4562
5	CHANDIGARH	30	0	0	0	30	0	0	0
6	CHHATISGARH	116899	367	88	455	117354	2231	60	2291
7	GOA	6	0	1	1	7	0	0	0
8	GUJARAT	274503	3760	777	4537	279040	1	0	1
9	HARYANA	148053	18	2	20	148073	238	0	238
10	HIMACHAL PRADESH	1393	7	5	12	1405	11	1	12
11	JAMMU & KASHMIR	661	0	0	0	661	0	0	0
12	JHARKHAND	508	10	2	12	520	19	4	23
13	KARNATAKA	329791	533	500	1033	330824	25917	444	26361
14	KERALA	1855	11	5	16	1871	3	3	6
15	MADHYA PRADESH	231623	534	563	1097	232720	591	10	601
16	MAHARASHTRA	178773	429	381	810	179583	6521	179	6700
17	MEGHALAYA	4	1	0	1	5	4	0	4
18	NAGALAND	10	0	0	0	10	0	0	0
19	ODISHA	59207	1463	764	2227	61434	936	170	1106
20	PUDUCHERRY	1280	10	51	61	1341	1	3	4
21	PUNJAB	573539	85	6	91	573630	112	3	115

(In Number)

S.No.	State	Deep tube well in use	Deep tube well not in use			Grand Total (3+6)	Number of Schemes meant only for re- charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
22	RAJASTHAN	474898	1237	2151	3388	478286	750	86	836
23	TAMIL NADU	278309	11161	4464	15625	293934	34377	5971	40348
24	TELENGANA	348883	12644	5992	18636	367519	4245	1983	6228
25	TRIPURA	231	16	19	35	266	0	0	0
26	UTTARAKHAND	1735	2	2	4	1739	0	0	0
27	UTTAR PRADESH	106360	302	221	523	106883	1500	226	1726
28	WEST BENGAL	9987	488	588	1076	11063	268	42	310
	Total	3588479	128969	32799	161768	3750 247	82192	9433	91625

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TABLE 4.8: DISTRIBUTION OF TEMPORARILY NOT IN USE DEEP TUBEWELLS - BY REASON

(In Number/In Ha)

S.No.	State	Non Availability of Adequate Power/Fuel		Mechanical Break Down		Less discharge of Water		Non -Availability of Finance		Lack of Maintenance		Others		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDHRA PRADESH	1403	1206.01	2010	1810.06	85833	75579.59	2390	1976.91	149	46.34	3630	3090.10	95415	83709.01
2	ARUNACHAL PRADESH	1	16.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	16.00
3	ASSAM	2	30.00	34	557.00	8	101.00	3	42.00	0	0.00	35	302.50	82	1032.50
4	BIHAR	34	75.89	198	241.50	81	99.85	11	0.00	10	11.00	59	114.04	393	542.28
5	CHHATISGARH	25	32.01	50	86.47	185	335.68	5	10.46	5	8.90	97	270.37	367	743.89
6	GUJARAT	0	0.00	3649	2627.75	3	3.16	1	4.00	102	66.17	5	11.50	3760	2712.58
7	HARYANA	16	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00	18	0.00
8	HIMACHAL PRADESH	0	0.00	2	49.46	0	0.00	0	0.00	0	0.00	5	26.00	7	75.46
9	JHARKHAND	0	0.00	5	8.00	4	0.16	0	0.00	1	5.00	0	0.00	10	13.16
10	KARNATAKA	34	5.77	22	0.74	389	13.42	14	0.00	12	2.02	62	0.30	533	22.25
11	KERALA	0	0.00	2	0.00	1	0.00	1	0.00	4	0.00	3	0.00	11	0.00
12	MADHYA PRADESH	29	23.26	80	47.85	282	74.58	19	17.15	8	0.00	116	52.22	534	215.06
13	MAHARASHTRA	81	21.43	69	8.11	209	30.00	0	0.00	1	0.00	69	14.65	429	74.19
14	MEGHALAYA	0	0.00	1	67.00	0	0.00	0	0.00	0	0.00	0	0.00	1	67.00
15	ODISHA	176	1064.36	627	5053.75	180	885.88	58	250.13	167	1047.08	255	2342.09	1463	10643.29
16	PUDUCHERRY	0	0.00	2	0.00	1	0.00	1	0.00	0	0.00	6	0.00	10	0.00
17	PUNJAB	79	33.07	6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	85	33.07
18	RAJASTHAN	116	52.55	201	171.28	730	2205.63	72	29.04	14	44.41	104	136.83	1237	2639.74
19	TAMIL NADU	1352	422.32	761	299.06	7506	1599.26	98	9.71	338	149.30	1106	318.89	11161	2798.54
20	TELENGANA	180	58.87	1214	239.71	10784	4016.26	92	48.74	107	10.82	267	33.91	12644	4408.31
21	TRIPURA	4	2.00	7	6.50	1	30.00	1	20.00	0	0.00	3	12.00	16	70.50
22	UTTARAKHAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	13.00	2	13.00
23	UTTAR PRADESH	28	106.10	32	124.99	4	10.00	8	2.00	3	10.00	227	509.50	302	762.59
24	WEST BENGAL	84	224.53	120	443.83	55	187.26	43	101.37	23	57.19	163	379.96	488	1394.14
	Total	3644	3374.17	9092	11843.06	106256	85171.73	2817	2511.51	944	1458.23	6216	7627.86	128969	111986.56

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.9: DISTRIBUTION OF PERMANENTLY NOT IN USE DEEP TUBEWELLS - BY REASON

(In Number/In Ha)

S.No.	State	Salinity		Dried up		Destroyed beyond repair		Sea water intrusion		Industrial effluents		Availability of Major/Medium Irrigation Projects		Other reasons		Total	
		No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL	No.	PL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDHRA PRADESH	652	0.00	13616	0.00	499	0.00	25	0.00	19	0.00	63	0.00	1155	0.00	16029	0.00
2	ASSAM	1	0.00	19	0.00	15	0.00	1	0.00	0	0.00	0	0.00	24	0.00	60	0.00
3	BIHAR	40	0.00	57	0.00	14	0.00	6	0.00	1	0.00	1	0.00	9	0.00	128	0.00
4	CHHATISGARH	21	0.00	17	0.00	0	0.00	0	0.00	1	0.00	0	0.00	49	0.00	88	0.00
5	GOA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	1	0.00
6	GUJARAT	559	0.00	19	0.00	13	0.00	6	0.00	11	0.00	5	0.00	164	0.00	777	0.00
7	HARYANA	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	2	0.00
8	HIMACHAL PRADESH	0	0.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	0.00	5	0.00
9	JHARKHAND	0	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.00	2	0.00
10	KARNATAKA	34	0.00	334	0.00	49	0.00	8	0.00	1	0.00	0	0.00	74	0.00	500	0.00
11	KERALA	1	0.00	0	0.00	0	0.00	0	0.00	1	0.00	0	0.00	3	0.00	5	0.00
12	MADHYA PRADESH	23	0.00	259	0.00	21	0.00	5	0.00	5	0.00	4	0.00	246	0.00	563	0.00
13	MAHARASHTRA	2	0.00	371	0.00	2	0.00	2	0.00	2	0.00	1	0.00	1	0.00	381	0.00
14	ODISHA	62	0.00	216	0.00	244	0.00	7	0.00	3	0.00	2	0.00	230	0.00	764	0.00
15	PUDUCHERRY	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	51	0.00	51	0.00
16	PUNJAB	2	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	0.00	6	0.00
17	RAJASTHAN	132	0.00	1307	0.00	100	0.00	0	0.00	22	0.00	3	0.00	587	0.00	2151	0.00
18	TAMIL NADU	444	0.00	2730	0.00	385	0.00	33	0.00	16	0.00	8	0.00	848	0.00	4464	0.00
19	TELENGANA	98	0.00	5264	0.00	326	0.00	7	0.00	50	0.00	3	0.00	244	0.00	5992	0.00
20	TRIPURA	0	0.00	10	0.00	1	0.00	0	0.00	0	0.00	0	0.00	8	0.00	19	0.00
21	UTTARAKHAND	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.00	2	0.00
22	UTTAR PRADESH	3	0.00	31	0.00	21	0.00	0	0.00	0	0.00	0	0.00	166	0.00	221	0.00
23	WEST BENGAL	59	0.00	48	0.00	97	0.00	18	0.00	13	0.00	11	0.00	342	0.00	588	0.00
	Total	2133	0.00	24303	0.00	1787	0.00	118	0.00	145	0.00	101	0.00	4212	0.00	32799	0.00

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.10: DISTRIBUTION OF IN USE DEEP TUBE WELLS ACCORDING TO WATER DISTRIBUTION SYSTEM AND POTENTIAL UTILISED

(In Number/In Ha)

S.No.	State	No. & PU of Deep Tube well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDHRA PRADESH	18057	26873.24	135777	211296.57	68458	104923.31	96536	135238.60	86717	130542.25	7284	10050.39	1320	2681.60	414149	621605.96
2	ARUNACHAL PRADESH	3	232.00	0	0.00	0	0.00	1	18.00	0	0.00	0	0.00	0	0.00	4	250.00
3	ASSAM	207	3553.66	155	2782.91	144	921.42	2	41.00	1	100.00	3	160.00	20	404.00	532	7962.99
4	BIHAR	214	1826.76	1011	7487.58	16104	133496.24	17367	151615.50	8	52.00	26	88.64	526	4283.64	35256	298850.36
5	CHANDIGARH	1	96.00	1	5.66	28	1667.28	0	0.00	0	0.00	0	0.00	0	0.00	30	1768.94
6	CHHATISGARH	22994	59163.02	18792	39382.83	4094	11100.91	63529	185379.29	393	1407.83	5631	19553.05	1466	6211.06	116899	322197.99
7	GOA	0	0.00	1	1.60	1	0.30	1	0.30	0	0.00	2	1.22	1	0.25	6	3.67
8	GUJARAT	4420	18715.95	97946	435470.46	23129	92208.92	124777	448079.53	20414	70417.15	2992	7135.85	825	3529.80	274503	1075557.66
9	HARYANA	9373	75187.26	67623	546991.27	59271	529493.15	1044	6274.87	96	713.60	10203	67917.31	443	2460.42	148053	1229037.88
10	HIMACHAL PRADESH	66	1496.02	409	3452.45	531	17211.12	374	1331.76	0	0.00	4	11.44	9	63.41	1393	23566.20
11	JAMMU & KASHMIR	0	0.00	659	1316.06	2	1.42	0	0.00	0	0.00	0	0.00	0	0.00	661	1317.48
12	JHARKHAND	57	77.70	234	698.78	68	88.29	119	283.42	6	6.70	0	0.00	24	111.41	508	1266.30
13	KARNATAKA	24728	42221.16	26265	121710.70	175672	472669.09	36612	65688.42	49560	69421.19	9422	18777.45	7532	10821.11	329791	801309.12
14	KERALA	44	86.84	341	340.35	137	257.60	1026	1192.00	42	42.02	248	195.09	17	8.10	1855	2122.00
15	MADHYA PRADESH	790	4188.02	25106	84000.90	44566	151114.11	148973	660031.72	2642	8492.81	8767	31977.46	779	3549.97	231623	943354.99
16	MAHARASHTRA	4025	7601.83	35603	47539.60	126350	243222.97	7613	10693.18	2983	5037.51	494	466.29	1705	1785.26	178773	316346.64
17	MEGHALAYA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	4	0.00	4	0.00
18	NAGALAND	3	27.00	2	25.00	0	0.00	0	0.00	0	0.00	0	0.00	5	13.00	10	65.00
19	ODISHA	1162	4787.36	34083	155547.76	3589	19943.74	19911	48190.08	212	522.13	33	65.55	217	362.21	59207	229418.83
20	PUDUCHERRY	1142	2916.03	76	217.68	38	146.84	24	87.20	0	0.00	0	0.00	0	0.00	1280	3367.75
21	PUNJAB	53879	252920.13	498703	2651667.90	17878	118542.70	23	118.03	33	180.15	9	30.64	3014	8138.10	573539	3031597.65
22	RAJASTHAN	4520	23480.99	26437	140898.22	64461	360215.05	113413	632342.48	8632	41532.74	256919	2186182.36	516	2988.92	474898	3387640.76
23	TAMIL NADU	72423	239125.64	106565	342819.59	52895	213767.56	10774	21425.39	31186	94503.08	1027	1800.57	3439	4442.28	278309	917884.11
24	TELENGANA	41797	47462.69	65805	75628.11	153923	201939.14	63101	75118.59	18198	25883.29	5837	7977.90	222	539.05	348883	434548.77
25	TRIPURA	1	28.00	1	2.00	229	7791.80	0	0.00	0	0.00	0	0.00	0	0.00	231	7821.80

(In Number/In Ha)

S.No.	State	No. & PU of Deep Tube well Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
26	UTTARAKHAND	530	25340.12	1196	83490.39	6	233.75	1	85.00	0	0.00	0	0.00	2	58.45	1735	109207.71
27	UTTAR PRADESH	7055	158409.06	41203	286140.10	5597	109753.11	49313	747541.33	100	2143.09	2070	25585.90	1022	13816.90	106360	1343389.49
28	WEST BENGAL	1002	16547.89	3011	64264.70	2989	85598.81	2587	58246.32	23	514.58	106	2217.09	269	6209.98	9987	233599.37
	Total	268493	1012364.37	1187005	5303179.17	820160	2876308.63	757121	3249022.01	221246	451512.12	311077	2380194.20	23377	72478.92	3588479	15345059.42

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.11: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE DEEP TUBEWELLS ACCORDING TO WATER LIFTING DEVICE

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	490012	14228	2560	136	2628	509564
2	ARUNACHAL PRADESH	5	0	0	0	0	5
3	ASSAM	307	134	152	0	21	614
4	BIHAR	8882	9175	14756	1012	1824	35649
5	CHANDIGARH	30	0	0	0	0	30
6	CHHATISGARH	115801	588	233	195	449	117266
7	GOA	3	2	0	0	1	6
8	GUJARAT	268192	8294	32	193	1552	278263
9	HARYANA	128647	18470	290	1	663	148071
10	HIMACHAL PRADESH	1347	44	4	0	5	1400
11	JAMMU & KASHMIR	653	1	6	0	1	661
12	JHARKHAND	243	168	62	30	15	518
13	KARNATAKA	323448	4340	1233	130	1173	330324
14	KERALA	1535	275	37	13	6	1866
15	MADHYA PRADESH	225789	3544	1056	89	1679	232157
16	MAHARASHTRA	142058	29650	979	35	6480	179202
17	MEGHALAYA	0	3	0	0	2	5
18	NAGALAND	3	7	0	0	0	10
19	ODISHA	48692	11112	265	475	126	60670
20	PUDUCHERRY	1288	2	0	0	0	1290
21	PUNJAB	558686	14651	107	1	179	573624
22	RAJASTHAN	468904	6074	422	116	619	476135
23	TAMIL NADU	215487	63175	2927	3521	4360	289470
24	TELENGANA	338152	17111	2545	74	3645	361527

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TRIPURA	239	8	0	0	0	247
26	UTTARAKHAND	1175	514	0	0	48	1737
27	UTTAR PRADESH	84844	20356	602	0	860	106662
28	WEST BENGAL	8705	1093	318	0	359	10475
	Total	3433127	223019	28586	6021	26695	3717448

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.12: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE DEEP TUBEWELLS ACCORDING TO SOURCE OF ENERGY

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	505919	1435	36	1528	136	510	509564
2	ARUNACHAL PRADESH	3	2	0	0	0	0	5
3	ASSAM	534	79	0	0	0	1	614
4	BIHAR	8926	25264	52	116	1012	279	35649
5	CHANDIGARH	30	0	0	0	0	0	30
6	CHHATISGARH	115476	220	25	1252	195	98	117266
7	GOA	5	1	0	0	0	0	6
8	GUJARAT	265444	267	12353	1	193	5	278263
9	HARYANA	145972	1638	51	50	1	359	148071
10	HIMACHAL PRADESH	1393	5	1	0	0	1	1400
11	JAMMU & KASHMIR	658	3	0	0	0	0	661
12	JHARKHAND	251	156	19	53	30	9	518
13	KARNATAKA	328926	466	91	52	130	659	330324
14	KERALA	1833	17	0	0	13	3	1866
15	MADHYA PRADESH	230728	753	27	163	89	397	232157
16	MAHARASHTRA	177354	813	80	21	35	899	179202
17	MEGHALAYA	2	1	0	0	0	2	5
18	NAGALAND	0	8	0	2	0	0	10
19	ODISHA	55959	3989	35	154	475	58	60670
20	PUDUCHERRY	1289	0	0	0	0	1	1290
21	PUNJAB	564984	8447	63	77	1	52	573624
22	RAJASTHAN	462628	12227	163	755	116	246	476135
23	TAMIL NADU	280431	4095	256	206	3521	961	289470

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	TELENGANA	360539	610	99	41	74	164	361527
25	TRIPURA	247	0	0	0	0	0	247
26	UTTARAKHAND	1450	230	0	0	0	57	1737
27	UTTAR PRADESH	88722	17626	54	51	0	209	106662
28	WEST BENGAL	9769	467	11	68	0	160	10475
	Total	3609472	78819	13416	4590	6021	5130	3717448

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.13: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE DEEP TUBEWELLS ACCORDING TO HORSE POWER OF LIFTING DEVICE

(In Number)

S.No.	State	No. of Deep tube well by horse power of lifting devices						Total (7 and 8)
		0-6 hp	6-12 hp	12-18 hp	>=18 hp	Total(3 to 6)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	57689	379431	56866	15442	509428	136	509564
2	ARUNACHAL PRADESH	0	4	1	0	5	0	5
3	ASSAM	190	242	11	171	614	0	614
4	BIHAR	10056	23195	260	1126	34637	1012	35649
5	CHANDIGARH	0	1	0	29	30	0	30
6	CHHATISGARH	116469	62	519	21	117071	195	117266
7	GOA	1	5	0	0	6	0	6
8	GUJARAT	24011	116460	64548	73056	278075	188	278263
9	HARYANA	3234	30651	41537	72648	148070	1	148071
10	HIMACHAL PRADESH	237	394	153	616	1400	0	1400
11	JAMMU & KASHMIR	647	11	0	3	661	0	661
12	JHARKHAND	154	248	16	70	488	30	518
13	KARNATAKA	130459	178707	15696	5332	330194	130	330324
14	KERALA	1687	161	2	3	1853	13	1866
15	MADHYA PRADESH	114520	100135	16806	607	232068	89	232157
16	MAHARASHTRA	174079	4463	393	232	179167	35	179202
17	MEGHALAYA	0	3	0	2	5	0	5
18	NAGALAND	10	0	0	0	10	0	10
19	ODISHA	54875	4920	89	311	60195	475	60670
20	PUDUCHERRY	24	396	662	208	1290	0	1290
21	PUNJAB	34601	262661	203730	72631	573623	1	573624
22	RAJASTHAN	26343	177763	118449	153464	476019	116	476135
23	TAMIL NADU	4986	248831	23926	8207	285950	3520	289470

(In Number)

S.No.	State	No. of Deep tube well by horse power of lifting devices						Total (7 and 8)
		0-6 hp	6-12 hp	12-18 hp	>=18 hp	Total(3 to 6)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	TELENGANA	4173	355749	1484	47	361453	74	361527
25	TRIPURA	0	37	107	103	247	0	247
26	UTTARAKHAND	332	884	196	325	1737	0	1737
27	UTTAR PRADESH	1315	68109	32416	4822	106662	0	106662
28	WEST BENGAL	0	0	0	10475	10475	0	10475
	Total	760092	1953523	577867	419951	3711433	6015	3717448

TABLE 4.14: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE DEEP TUBEWELLS ACCORDING TO TOTAL PUMPING HOURS OF OPERATION

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDHRA PRADESH	185328	77232	82500	84561	57777	22030	509428	234285	69164	70908	76379	41940	16752	509428
2	ARUNACHAL PRADESH	4	0	1	0	0	0	5	4	0	0	1	0	0	5
3	ASSAM	514	52	31	11	4	2	614	458	112	37	4	1	2	614
4	BIHAR	12614	6760	3025	1421	724	10093	34637	15334	6593	1864	885	3266	6695	34637
5	CHANDIGARH	4	0	1	0	0	25	30	4	0	1	0	1	24	30
6	CHHATISGARH	46101	40121	16624	7804	3307	3114	117071	40772	33293	13545	13717	6711	9033	117071
7	GOA	6	0	0	0	0	0	6	6	0	0	0	0	0	6
8	GUJARAT	276249	1767	4	17	4	34	278075	1011	1321	110986	164699	50	8	278075
9	HARYANA	12518	40779	62111	16489	11115	5058	148070	68864	54568	6518	6200	6740	5180	148070
10	HIMACHAL PRADESH	806	232	199	60	38	65	1400	493	442	125	91	67	182	1400
11	JAMMU & KASHMIR	5	4	0	1	4	647	661	9	651	1	0	0	0	661
12	JHARKHAND	312	66	39	27	35	9	488	397	81	8	0	1	1	488
13	KARNATAKA	144694	103442	22135	45780	9595	4548	330194	187863	88787	32078	12110	5634	3722	330194
14	KERALA	1784	49	19	1	0	0	1853	1556	174	73	18	12	20	1853
15	MADHYA PRADESH	212020	11200	4050	3609	920	269	232068	38728	56518	46024	43282	32514	15002	232068
16	MAHARASHTRA	85873	81145	939	528	68	10614	179167	65217	91880	7944	2648	498	10980	179167
17	MEGHALAYA	4	0	0	1	0	0	5	4	0	0	1	0	0	5
18	NAGALAND	10	0	0	0	0	0	10	10	0	0	0	0	0	10
19	ODISHA	32108	8594	14074	4793	359	267	60195	20419	9687	9390	9068	9063	2568	60195
20	PUDUCHERRY	438	314	280	144	73	41	1290	515	442	209	94	16	14	1290
21	PUNJAB	25175	88004	198684	198060	53671	10029	573623	518111	42328	7616	4089	444	1035	573623
22	RAJASTHAN	292203	68291	32125	29115	33471	20814	476019	44741	49274	102247	196595	70040	13122	476019
23	TAMIL NADU	162662	43767	28598	20120	14688	16115	285950	182506	45644	26489	12645	8084	10582	285950
24	TELENGANA	17481	53504	85004	79414	76071	49979	361453	27236	36456	50410	78322	88779	80250	361453
25	TRIPURA	130	92	23	1	0	1	247	63	111	46	24	2	1	247
26	UTTARAKHAND	213	967	341	124	40	52	1737	828	637	144	61	14	53	1737
27	UTTAR PRADESH	54173	33588	8459	5040	4204	1198	106662	36532	36227	19143	8545	2656	3559	106662
28	WEST BENGAL	8730	1745	0	0	0	0	10475	10445	30	0	0	0	0	10475
	Total	1572159	661715	559266	497121	266168	155004	3711433	1496411	624420	505806	629478	276533	178785	3711433

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.15: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE DEEP TUBEWELLS ACCORDING TO AVERAGE HOURS OF PUMPING PER DAY

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0 - 4 hrs	4 - 8 hrs	8 -12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0 - 4 hrs	4 - 8 hrs	8-12 hrs	12- 16 hrs	16 - 20 hrs	20 - 24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDHRA PRADESH	163452	285170	58340	1555	170	741	509428	212866	244223	49628	1735	139	837	509428
2	ARUNACHAL PRADESH	1	1	2	1	0	0	5	1	3	0	0	1	0	5
3	ASSAM	301	263	45	0	0	5	614	330	233	49	0	0	2	614
4	BIHAR	2233	5181	11850	12720	1709	944	34637	1815	9158	10619	11540	1062	443	34637
5	CHANDIGARH	4	2	1	4	1	18	30	4	2	2	4	0	18	30
6	CHHATISGARH	15399	30477	52008	13737	3172	2278	117071	14556	29176	44400	20181	5442	3316	117071
7	GOA	6	0	0	0	0	0	6	6	0	0	0	0	0	6
8	GUJARAT	137669	140389	13	0	0	4	278075	723	274472	2873	1	0	6	278075
9	HARYANA	3183	52692	90944	919	88	244	148070	8825	117465	19733	1765	103	179	148070
10	HIMACHAL PRADESH	457	438	407	70	24	4	1400	238	493	426	189	49	5	1400
11	JAMMU & KASHMIR	4	3	5	649	0	0	661	6	2	653	0	0	0	661
12	JHARKHAND	162	211	96	12	1	6	488	231	234	16	6	0	1	488
13	KARNATAKA	110973	198004	14079	6598	46	494	330194	142964	170384	16004	366	57	419	330194
14	KERALA	1690	108	50	4	1	0	1853	1536	219	88	5	0	5	1853
15	MADHYA PRADESH	190477	21825	18129	1205	150	282	232068	7534	68527	146111	8366	710	820	232068
16	MAHARASHTRA	45613	116261	6117	11042	48	86	179167	24388	128611	14061	1343	10679	85	179167
17	MEGHALAYA	0	3	2	0	0	0	5	3	1	1	0	0	0	5
18	NAGALAND	8	2	0	0	0	0	10	8	2	0	0	0	0	10
19	ODISHA	28152	28217	2714	695	248	169	60195	16813	35445	5451	1222	655	609	60195
20	PUDUCHERRY	221	518	385	125	29	12	1290	306	605	270	97	11	1	1290
21	PUNJAB	2088	168043	400419	2308	158	607	573623	34566	525614	12018	1038	176	211	573623
22	RAJASTHAN	251395	217034	7238	297	25	30	476019	18270	411473	42646	2808	398	424	476019
23	TAMIL NADU	176843	60430	32271	13105	1088	2213	285950	188507	66013	18442	11072	522	1394	285950

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0 - 4 hrs	4 - 8 hrs	8 -12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0 - 4 hrs	4 - 8 hrs	8-12 hrs	12 - 16 hrs	16 - 20 hrs	20 - 24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
24	TELENGANA	25504	207274	104097	20050	3295	1233	361453	38640	153213	123815	39384	3338	3063	361453
25	TRIPURA	84	159	3	0	0	1	247	35	188	23	0	0	1	247
26	UTTARAKHAND	41	319	963	332	52	30	1737	43	532	929	210	9	14	1737
27	UTTAR PRADESH	7986	44599	46190	5747	1132	1008	106662	7001	34544	47537	12804	2922	1854	106662
28	WEST BENGAL	1527	7687	1261	0	0	0	10475	2383	8092	0	0	0	0	10475
	Total	1165473	1585310	847629	91175	11437	10409	3711433	722598	2278924	555795	114136	26273	13707	3711433

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.16: DISTRIBUTION OF DEEP TUBEWELLS ACCORDING TO DEPTH

(In Number)

S.No.	State	No. by the depth of Deep tube well						
		0 to 70 mts	70 to 90 mts	90 to 110 mts	11 0 to 130 mts	130 to 150 mts	>=150 mts	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	0	120240	149582	62376	67498	125897	525593
2	ARUNACHAL PRADESH	0	5	0	0	0	0	5
3	ASSAM	0	582	63	7	18	4	674
4	BIHAR	0	6838	27956	554	232	197	35777
5	CHANDIGARH	0	0	0	1	0	29	30
6	CHHATISGARH	0	62520	43341	8013	1956	1524	117354
7	GOA	0	4	3	0	0	0	7
8	GUJARAT	0	81446	76513	49112	35695	36274	279040
9	HARYANA	0	65937	29005	18605	18139	16387	148073
10	HIMACHAL PRADESH	0	531	456	289	70	59	1405
11	JAMMU & KASHMIR	0	263	340	55	0	3	661
12	JHARKHAND	0	56	210	96	26	132	520
13	KARNATAKA	0	285502	18441	11708	3973	11200	330824
14	KERALA	0	727	714	235	65	130	1871
15	MADHYA PRADESH	0	67507	74571	39235	20363	31044	232720
16	MAHARASHTRA	0	52519	52041	68619	550 4	900	179583
17	MEGHALAYA	0	1	3	1	0	0	5
18	NAGALAND	0	10	0	0	0	0	10
19	ODISHA	0	38012	17540	2963	1829	1090	61434
20	PUDUCHERRY	0	517	585	58	47	134	1341
21	PUNJAB	0	243257	198227	88392	25698	18056	573630
22	RAJASTHAN	0	78867	101410	84402	40564	173043	478286
23	TAMIL NADU	0	45987	102292	46254	22074	77327	293934
24	TELENGANA	2975	197195	96191	42418	10409	18331	367519
25	TRIPURA	0	2	17	8	11	228	266

(In Number)

S.No.	State	No. by the depth of Deep tube well						
		0 to 70 mts	70 to 90 mts	90 to 110 mts	11 0 to 130 mts	130 to 150 mts	>=150 mts	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
26	UTTARAKHAND	0	529	844	119	41	206	1739
27	UTTAR PRADESH	1	57825	37811	7072	1290	2884	106883
28	WEST BENGAL	0	1564	968	5264	1095	2172	11063
	Total	2976	1408443	1029124	535856	256597	517251	3750247

MINOR IRRIGATION CENSUS (2017-18)

TTABLE 4.17: DISTRIBUTION OF DEEP TUBEWELLS IN AND OUTSIDE THE COMMAND AREA OF MAJOR/MEDIUM PROJECTS

(In Number)

S.No.	State	Outside command	No. of Deep tube wells inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDHRA PRADESH	504540	7898	8823	827	3505	21053	525593
2	ARUNACHAL PRADESH	4	0	0	0	1	1	5
3	ASSAM	668	0	0	2	4	6	674
4	BIHAR	35508	28	174	15	52	269	35777
5	CHANDIGARH	30	0	0	0	0	0	30
6	CHHATISGARH	113521	298	2404	7	1124	3833	117354
7	GOA	7	0	0	0	0	0	7
8	GUJARAT	248217	18248	1218	1	11356	30823	279040
9	HARYANA	129679	887	7059	114	10334	18394	148073
10	HIMACHAL PRADESH	1404	0	1	0	0	1	1405
11	JAMMU & KASHMIR	661	0	0	0	0	0	661
12	JHARKHAND	520	0	0	0	0	0	520
13	KARNATAKA	325688	717	1566	32	2821	5136	330824
14	KERALA	1591	49	220	2	9	280	1871
15	MADHYA PRADESH	181729	123	50405	10	453	50991	232720
16	MAHARASHTRA	166879	65	100	0	12539	12704	179583
17	MEGHALAYA	5	0	0	0	0	0	5
18	NAGALAND	10	0	0	0	0	0	10
19	ODISHA	33108	20962	3012	35	4317	28326	61434
20	PUDUCHERRY	1341	0	0	0	0	0	1341
21	PUNJAB	510212	4111	44098	1226	13983	63418	573630
22	RAJASTHAN	471230	2103	3538	70	1345	7056	478286
23	TAMIL NADU	280676	1395	9151	305	2407	13258	293934

(In Number)

S.No.	State	Outside command	No. of Deep tube wells inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	TELENGANA	358036	1782	5333	194	2174	9483	367519
25	TRIPURA	266	0	0	0	0	0	266
26	UTTARAKHAND	1739	0	0	0	0	0	1739
27	UTTAR PRADESH	105828	171	365	10	509	1055	106883
28	WEST BENGAL	10969	0	0	0	94	94	11063
	Total	3484066	58837	137467	2850	67027	266181	3750247

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.18.1: CCA AND SEASON WISE POTENTIAL CREATED THROUGH DEEP TUBEWELLS - ALL SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total(4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	671061.91	399491.30	291028.79	144223.72	10433.22	845177.03
2	ARUNACHAL PRADESH	253.00	248.00	23.00	0.00	11.00	282.00
3	ASSAM	16049.47	10039.44	7414.11	245.08	93.06	17791.69
4	BIHAR	245142.70	151419.85	131822.18	20925.61	48899.07	353066.71
5	CHANDIGARH	1040.11	884.47	884.47	0.00	3.00	1771.94
6	CHHATISGARH	279463.75	205225.33	179559.71	526.66	79.74	385391.44
7	GOA	4.67	0.00	0.00	4.67	0.00	4.67
8	GUJARAT	832908.65	523856.65	527441.36	200364.78	4623.11	1256285.90
9	HARYANA	640760.24	615310.40	616073.17	8353.00	185.11	1239921.68
10	HIMACHAL PRADESH	16569.64	11978.57	14706.42	84.33	51.76	26821.08
11	JAMMU & KASHMIR	678.10	675.10	641.10	3.00	3.00	1322.20
12	JHARKHAND	1345.50	972.15	469.13	30.96	30.62	1502.86
13	KARNATAKA	657694.42	550465.10	166254.17	34967.56	64062.09	815748.92
14	KERALA	2000.58	477.97	580.34	1061.11	59.94	2179.36
15	MADHYA PRADESH	910849.88	155002.68	845537.23	11841.53	17083.36	1029464.80
16	MAHARASHTRA	326391.11	159171.63	145193.87	39286.21	3546.31	347198.02
17	MEGHALAYA	40.00	40.00	25.00	0.00	2.00	67.00
18	NAGALAND	112.00	79.00	32.00	11.00	0.00	122.00
19	ODISHA	224181.26	181777.48	126337.75	411.17	303.12	308829.52
20	PUDUCHERRY	1958.11	1517.14	1454.38	144.69	292.74	3408.95
21	PUNJAB	1702155.71	1684350.82	1684812.68	10979.91	6290.12	3386433.53
22	RAJASTHAN	3127321.87	957091.70	2683553.91	17648.55	78279.89	3736574.05
23	TAMIL NADU	859828.74	519410.05	298009.12	174038.09	31462.87	1022920.13
24	TELENGANA	360388.84	298300.10	227720.17	4025.54	2631.85	532677.66

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total(4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TRIPURA	5194.90	4768.10	4083.30	17.00	933.90	9802.30
26	UTTARAKHAND	70711.15	56215.16	57397.68	5014.55	4730.48	123357.87
27	UTTAR PRADESH	1286164.69	583971.84	705746.45	170752.78	263345.06	1723816.13
28	WEST BENGAL	174821.90	116561.46	94833.08	10202.85	72097.92	293695.31
	Total	12415092.90	7189301.49	8811634.57	855164.35	609534.34	17465634.7 5

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.18.2: CCA AND SEASON WISE POTENTIAL CREATED THROUGH IN USE DEEP TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	554239.95	324719.52	238760.06	128084.13	7281.18	698844.89
2	ARUNACHAL PRADESH	238.00	233.00	20.00	0.00	10.00	263.00
3	ASSAM	11446.47	7060.34	5467.21	225.08	83.06	12835.69
4	BIHAR	240220.24	149443.00	130599.98	19969.39	48026.58	348038.95
5	CHANDIGARH	1040.11	884.47	884.47	0.00	3.00	1771.94
6	CHHATISGARH	278639.04	204550.78	179151.39	478.84	79.74	384260.75
7	GOA	4.67	0.00	0.00	4.67	0.00	4.67
8	GUJARAT	817152.30	511903.81	515712.07	199148.91	4601.93	1231366.72
9	HARYANA	640695.94	615249.10	616011.87	8352.00	185.11	1239798.08
10	HIMACHAL PRADESH	16478.64	11894.57	14623.42	84.33	51.76	26654.08
11	JAMMU & KASHMIR	678.10	675.10	641.10	3.00	3.00	1322.20
12	JHARKHAND	1327.34	955.32	468.17	30.76	30.22	1484.47
13	KARNATAKA	656923.45	549792.85	165983.39	34928.14	63988.15	814692.53
14	KERALA	1981.56	471.08	573.45	1050.98	59.94	2155.45
15	MADHYA PRADESH	908849.81	154374.38	843791.17	11779.98	17046.77	1026992.30
16	MAHARASHTRA	325632.90	158740.38	144880.00	39138.06	3527.63	346286.07
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00
18	NAGALAND	112.00	79.00	32.00	11.00	0.00	122.00
19	ODISHA	211747.72	171593.55	119612.82	392.54	215.37	291814.28
20	PUDUCHERRY	1936.06	1495.09	1439.35	144.69	288.62	3367.75
21	PUNJAB	1701938.24	1684133.35	1684595.21	10979.91	6290.12	3385998.59
22	RAJASTHAN	3115726.00	955031.98	2673288.46	17622.85	78124.71	3724068.00
23	TAMIL NADU	835129.45	508223.87	290274.81	168236.43	30566.32	997301.43
24	TELENGANA	347104.82	286917.13	220668.63	3964.94	2559.66	514110.36
25	TRIPURA	4955.90	4544.90	3944.80	17.00	898.90	9405.60

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
26	UTTARAKHAND	70630.15	56155.16	57342.68	5012.55	4729.48	123239.87
27	UTTAR PRADESH	1280666.17	582049.94	703046.34	169186.67	261328.26	1715611.21
28	WEST BENGAL	155866.50	102681.95	83610.42	9282.33	62670.09	258244.79
	Total	12181361.53	7043853.62	8695423.27	828129.18	592649.60	17160055.67

TABLE 4.18.3: CCA AND SEASON WISE POTENTIAL CREATED THROUGH TEMPORARILY NOT IN USE DEEP TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	100396.83	64954.31	45197.08	13814.92	2664.67	126630.98
2	ARUNACHAL PRADESH	15.00	15.00	3.00	0.00	1.00	19.00
3	ASSAM	2384.50	1518.10	988.40	20.00	10.00	2536.50
4	BIHAR	3909.09	1608.60	952.70	735.20	699.99	3996.49
5	CHHATISGARH	737.38	593.84	357.01	47.82	0.00	998.67
6	GUJARAT	13245.02	9957.90	9825.24	1141.15	16.57	20940.86
7	HARYANA	54.30	51.30	51.30	1.00	0.00	103.60
8	HIMACHAL PRADESH	84.00	77.00	76.00	0.00	0.00	153.00
9	JHARKHAND	17.56	16.38	0.81	0.20	0.40	17.79
10	KARNATAKA	588.84	514.22	213.03	26.11	59.57	812.93
11	KERALA	16.35	4.47	4.47	9.88	0.00	18.82
12	MADHYA PRADESH	1125.90	330.54	978.15	16.21	25.79	1350.69
13	MAHARASHTRA	404.88	230.65	166.44	73.24	10.11	480.44
14	MEGHALAYA	40.00	40.00	25.00	0.00	2.00	67.00
15	ODISHA	9200.70	7548.25	5015.74	16.61	87.33	12667.93
16	PUDUCHERRY	12.34	12.34	6.66	0.00	4.12	23.12
17	PUNJAB	210.21	210.21	210.21	0.00	0.00	420.42
18	RAJASTHAN	5967.43	974.24	5559.71	9.75	46.03	6589.73
19	TAMIL NADU	14250.42	8505.46	4397.86	1852.35	316.03	15071.70
20	TELENGANA	9429.48	8109.00	5309.25	51.50	70.67	13540.42
21	TRIPURA	102.00	95.70	43.00	0.00	1.00	139.70
22	UTTARAKHAND	56.00	40.00	37.00	2.00	1.00	80.00
23	UTTAR PRADESH	5362.52	1853.70	2599.71	1561.11	1986.40	8000.92
24	WEST BENGAL	8024.82	5517.01	4192.55	456.22	2877.23	13043.01
	Total	175635.57	112778.22	86210.32	19835.27	8879.91	227703.72

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.18.4: CCA AND SEASON WISE POTENTIAL CREATED THROUGH PERMANENTLY NOT IN USE DEEP TUBEWELLS

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDHRA PRADESH	16425.13	9817.47	7071.65	2324.67	487.37	19701.16
2	ASSAM	2218.50	1461.00	958.50	0.00	0.00	2419.50
3	BIHAR	1013.37	368.25	269.50	221.02	172.50	1031.27
4	CHHATISGARH	87.33	80.71	51.31	0.00	0.00	132.02
5	GOA	0.00	0.00	0.00	0.00	0.00	0.00
6	GUJARAT	2511.33	1994.94	1904.05	74.72	4.61	3978.32
7	HARYANA	10.00	10.00	10.00	0.00	0.00	20.00
8	HIMACHAL PRADESH	7.00	7.00	7.00	0.00	0.00	14.00
9	JHARKHAND	0.60	0.45	0.15	0.00	0.00	0.60
10	KARNATAKA	182.13	158.03	57.75	13.31	14.37	243.46
11	KERALA	2.67	2.42	2.42	0.25	0.00	5.09
12	MADHYA PRADESH	874.17	297.76	767.91	45.34	10.80	1121.81
13	MAHARASHTRA	353.33	200.60	147.43	74.91	8.57	431.51
14	ODISHA	3232.84	2635.68	1709.19	2.02	0.42	4347.31
15	PUDUCHERRY	9.71	9.71	8.37	0.00	0.00	18.08
16	PUNJAB	7.26	7.26	7.26	0.00	0.00	14.52
17	RAJASTHAN	5628.44	1085.48	4705.74	15.95	109.15	5916.32
18	TAMIL NADU	10448.87	2680.72	3336.45	3949.31	580.52	10547.00
19	TELENGANA	3854.54	3273.97	1742.29	9.10	1.52	5026.88
20	TRIPURA	137.00	127.50	95.50	0.00	34.00	257.00
21	UTTARAKHAND	25.00	20.00	18.00	0.00	0.00	38.00
22	UTTAR PRADESH	136.00	68.20	100.40	5.00	30.40	204.00
23	WEST BENGAL	10930.58	8362.50	7030.11	464.30	6550.60	22407.51
	Total	58095.80	32669.65	30000.98	7199.90	8004.83	77875.36

MINOR IRRIGATION CENSUS (2017-18)

TTABLE 4.19.1: SEASON WISE POTENTIAL UTILISED THROUGH DEEP TUBEWELLS – ALL SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 20172018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	16414.12	11518.93	2122.94	239.28	30295.27	300286.03	209978.51	117019.94	6948.18	634232.66	316700.15	221497.44	119142.88	7187.46	664527.93
2	ARUNACHAL PRADESH	38.00	10.00	0.00	0.00	48.00	192.00	7.00	0.00	6.00	205.00	230.00	17.00	0.00	6.00	253.00
3	ASSAM	55.20	37.10	0.00	3.00	95.30	5118.08	3992.51	212.06	49.04	9371.69	5173.28	4029.61	212.06	52.04	9466.99
4	BIHAR	1232.76	590.70	332.95	309.07	2465.48	129933.08	111987.83	17603.31	40314.87	299839.09	131165.84	112578.53	17936.26	40623.94	302304.57
5	CHANDIGARH	0.00	0.00	0.00	0.00	0.00	884.47	884.47	0.00	0.00	1768.94	884.47	884.47	0.00	0.00	1768.94
6	CHHATISGARH	4751.23	4258.98	14.80	7.99	9033.00	166840.59	146156.89	382.79	39.50	313419.77	171591.82	150415.87	397.59	47.49	322452.77
7	GOA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.67	0.00	3.67	0.00	0.00	3.67	0.00	3.67
8	GUJARAT	49631.04	49649.38	20140.72	555.80	119976.94	406280.07	409880.12	154144.92	3503.89	973809.00	455911.11	459529.50	174285.64	4059.69	1093785.94
9	HARYANA	69943.36	68995.82	0.00	40.65	138979.83	540756.59	541234.96	8080.40	89.70	1090161.65	610699.95	610230.78	8080.40	130.35	1229141.48
10	HIMACHAL PRADESH	0.12	0.12	0.00	0.00	0.24	10204.12	13334.49	53.13	51.76	23643.50	10204.24	13334.61	53.13	51.76	23643.74
11	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	671.77	639.71	3.00	3.00	1317.48	671.77	639.71	3.00	3.00	1317.48
12	JHARKHAND	0.00	0.00	0.00	0.00	0.00	830.88	392.71	25.99	21.35	1270.93	830.88	392.71	25.99	21.35	1270.93
13	KARNATAKA	7337.38	3453.81	185.92	2537.18	13514.29	534627.63	160015.82	34189.76	59752.30	788585.51	541965.01	163469.63	34375.68	62289.48	802099.80
14	KERALA	243.27	328.43	97.59	2.56	671.85	221.36	243.91	947.66	56.04	1468.97	464.63	572.34	1045.25	58.60	2140.82
15	MADHYA PRADESH	35554.53	207527.04	3138.93	3501.63	249722.13	75509.92	606416.71	7645.88	5195.98	694768.49	111064.45	813943.75	10784.81	8697.61	944490.62
16	MAHARASHTRA	9001.17	6791.87	3669.19	138.16	19600.39	138935.26	123644.58	31724.44	2848.22	297152.50	147936.43	130436.45	35393.63	2986.38	316752.89
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NAGALAND	0.00	0.00	0.00	0.00	0.00	51.00	11.00	3.00	0.00	65.00	51.00	11.00	3.00	0.00	65.00
19	ODISHA	84640.63	57427.80	34.37	3.00	142105.80	50775.54	38225.80	291.86	44.47	89337.67	135416.17	95653.60	326.23	47.47	231443.47
20	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	1507.43	1446.01	144.69	292.74	3390.87	1507.43	1446.01	144.69	292.74	3390.87
21	PUNJAB	136091.65	119552.49	96.98	16.47	255757.59	1391611.22	1367654.82	10835.65	6125.72	2776227.41	1527702.87	1487207.31	10932.63	6142.19	3031985.00
22	RAJASTHAN	11642.22	28678.59	106.83	122.34	40549.98	804871.09	2472723.00	12759.46	60687.22	3351040.77	816513.31	2501401.59	12866.29	60809.56	3391590.75
23	TAMIL NADU	19355.70	9194.52	10920.74	1044.70	40515.66	466431.67	258678.89	142371.15	22159.90	889641.61	485787.37	267873.41	153291.89	23204.60	930157.27
24	TELENGANA	8062.86	6041.22	25.59	0.20	14129.87	245961.33	177699.82	3754.97	2064.70	429480.82	254024.19	183741.04	3780.56	2064.90	443610.69
25	TRIPURA	0.00	0.00	0.00	0.00	0.00	3695.20	3446.10	15.00	734.70	7891.00	3695.20	3446.10	15.00	734.70	7891.00
26	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	49582.88	50829.36	4780.98	4081.49	109274.71	49582.88	50829.36	4780.98	4081.49	109274.71
27	UTTAR PRADESH	5611.60	6459.19	1205.64	1375.31	14651.74	450596.60	569211.29	124569.43	191598.76	1335976.08	456208.20	575670.48	125775.07	192974.07	1350627.82
28	WEST BENGAL	1046.22	620.23	24.94	590.11	2281.50	97977.38	79464.45	7800.59	57724.32	242966.74	99023.60	80084.68	7825.53	58314.43	245248.24
	Total	460653.06	581136.22	42118.13	10487.45	1094394.86	5874353.19	7348200.76	679363.73	464393.85	14366311.53	6335006.25	7929336.98	721481.86	474881.30	15460706.39

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.19.2: SEASON WISE POTENTIAL UTILISED THROUGH IN USE DEEP TUBEWELLS

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	15639.17	11120.5	2050.39	209.24	29019.34	276169.9	196702.23	113283.72	6430.74	592586.62	291809.1	207822.77	115334.11	6639.98	621605.96
2	ARUNACHAL PRADESH	38	10	0	0	48	190	6	0	6	202	228	16	0	6	250
3	ASSAM	55.2	37.1	0	3	95.3	4302.08	3324.51	202.06	39.04	7867.69	4357.28	3361.61	202.06	42.04	7962.99
4	BIHAR	701.45	279.48	44.7	39.78	1065.41	129110.6	111504.78	17221.76	39947.77	297784.95	129812.09	111784.26	17266.46	39987.55	298850.36
5	CHANDIGARH	0	0	0	0	0	884.47	884.47	0	0	1768.94	884.47	884.47	0	0	1768.94
6	CHHATISGARH	4744.43	4256.26	14.8	7.99	9023.48	166629.4	146122.87	382.79	39.5	313174.51	171373.78	150379.13	397.59	47.49	322197.99
7	GOA	0	0	0	0	0	0	0	3.67	0	3.67	0	0	3.67	0	3.67
8	GUJARAT	44735.25	44805.9	20008.26	554.37	110103.78	402511.2	406166.75	153285.09	3490.85	965453.88	447246.44	450972.65	173293.35	4045.22	1075557.66
9	HARYANA	69940.36	68992.8	0	40.65	138973.83	540708.3	541186.66	8079.4	89.7	1090064.05	610648.65	610179.48	8079.4	130.35	1229037.88
10	HIMACHAL PRADESH	0.12	0.12	0	0	0.24	10157.6	13303.47	53.13	51.76	23565.96	10157.72	13303.59	53.13	51.76	23566.2
11	JAMMU & KASHMIR	0	0	0	0	0	671.77	639.71	3	3	1317.48	671.77	639.71	3	3	1317.48
12	JHARKHAND	0	0	0	0	0	827.61	391.95	25.79	20.95	1266.3	827.61	391.95	25.79	20.95	1266.3
13	KARNATAKA	7335.47	3452.66	185.31	2536.23	13509.67	534125.9	159810.99	34164.26	59698.29	787799.45	541461.38	163263.65	34349.57	62234.52	801309.12
14	KERALA	243.27	328.43	97.59	2.56	671.85	216.89	239.44	937.78	56.04	1450.15	460.16	567.87	1035.37	58.6	2122
15	MADHYA PRADESH	35476.13	207278	3134.43	3493.24	249381.74	75360.43	605783.17	7635.29	5194.36	693973.25	110836.56	813061.11	10769.72	8687.6	943354.99
16	MAHARASHTRA	8951.41	6750.18	3653.97	137.5	19493.06	138784.1	123541.79	31684.09	2843.64	296853.58	147735.47	130291.97	35338.06	2981.14	316346.64
17	MEGHALAYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	NAGALAND	0	0	0	0	0	51	11	3	0	65	51	11	3	0	65
19	ODISHA	84366.81	57232.8	34.37	3	141636.95	49739.03	37722.06	279.22	41.57	87781.88	134105.84	94954.83	313.59	44.57	229418.83
20	PUDUCHERRY	0	0	0	0	0	1495.09	1439.35	144.69	288.62	3367.75	1495.09	1439.35	144.69	288.62	3367.75
21	PUNJAB	136073.3	119535	96.98	16.47	255721.34	1391435	1367480.19	10835.65	6125.72	2775876.31	1527508.07	1487014.76	10932.63	6142.19	3031597.65
22	RAJASTHAN	11572.13	28565.2	106.83	122.34	40366.53	804211.7	2469636.08	12755.58	60670.89	3347274.23	815783.81	2498201.31	12862.41	60793.23	3387640.76
23	TAMIL NADU	19260.45	9070.81	10881.4	1039.11	40251.77	459139.4	255407.82	141130.09	21955.03	877632.34	478399.85	264478.63	152011.49	22994.14	917884.11

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
24	TELENGANA	8042.87	6035.21	25.59	0.2	14103.87	240254.9	174399.13	3711.31	2009.63	420375.01	248297.81	180434.34	3736.9	2009.83	434478.88
25	TRIPURA	0	0	0	0	0	3662	3411.1	15	733.7	7821.8	3662	3411.1	15	733.7	7821.8
26	UTTARAKHAND	0	0	0	0	0	49548.88	50799.36	4778.98	4080.49	109207.71	49548.88	50799.36	4778.98	4080.49	109207.71
27	UTTAR PRADESH	5599.3	6440.89	1198.34	1363.01	14601.54	448925.6	566852.98	123172.92	189836.45	1328787.95	454524.9	573293.87	124371.26	191199.46	1343389.49
28	WEST BENGAL	862.17	578.35	21.33	490.74	1952.59	93187.77	75780.01	7482.29	55196.71	231646.78	94049.94	76358.36	7503.62	55687.45	233599.37
	Total	453637.29	574769.69	41554.29	10059.43	1080020.29	5822300.62	7312547.87	671270.56	458850.45	14264969.24	6275937.67	7887317.13	712824.85	468909.88	15344989.53

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.19.3: SEASON WISE POTENTIAL UTILISED THROUGH TEMPORARILY NOT IN USE DEEP TUBEWELLS

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDHRA PRADESH	774.95	398.39	72.55	30.04	1275.93	24116.10	13276.28	3736.22	517.44	41646.04	24891.05	13674.67	3808.77	547.48	42921.97
2	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	3.00	2.00	1.00	0.00	0.00	3.00
3	ASSAM	0.00	0.00	0.00	0.00	0.00	816.00	668.00	10.00	10.00	1504.00	816.00	668.00	10.00	10.00	1504.00
4	BIHAR	531.31	311.22	288.25	269.29	1400.07	822.44	483.05	381.55	367.10	2054.14	1353.75	794.27	669.80	636.39	3454.21
5	CHHATISGARH	6.80	2.72	0.00	0.00	9.52	211.24	34.02	0.00	0.00	245.26	218.04	36.74	0.00	0.00	254.78
6	GUJARAT	4895.79	4843.48	132.46	1.43	9873.16	3768.88	3713.37	859.83	13.04	8355.12	8664.67	8556.85	992.29	14.47	18228.28
7	HARYANA	3.00	3.00	0.00	0.00	6.00	48.30	48.30	1.00	0.00	97.60	51.30	51.30	1.00	0.00	103.60
8	HIMACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	46.52	31.02	0.00	0.00	77.54	46.52	31.02	0.00	0.00	77.54
9	JHARKHAND	0.00	0.00	0.00	0.00	0.00	3.27	0.76	0.20	0.40	4.63	3.27	0.76	0.20	0.40	4.63
10	KARNATAKA	1.91	1.15	0.61	0.95	4.62	501.72	204.83	25.50	54.01	786.06	503.63	205.98	26.11	54.96	790.68
11	KERALA	0.00	0.00	0.0	0.00	0.00	4.47	4.47	9.88	0.00	18.82	4.47	4.47	9.88	0.00	18.82
12	MADHYA PRADESH	78.40	249.10	4.50	8.39	340.39	149.49	633.54	10.59	1.62	795.24	227.89	882.64	15.09	10.01	1135.63
13	MAHARASHTRA	49.76	41.69	15.22	0.66	107.33	151.20	102.79	40.35	4.58	298.92	200.96	144.48	55.57	5.24	406.25
14	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	ODISHA	273.82	195.03	0.00	0.00	468.85	1036.51	503.74	12.64	2.90	1555.79	1310.33	698.77	12.64	2.90	2024.64
16	PUDUCHERRY	0.00	0.00	0.00	0.00	0.00	12.34	6.66	0.00	4.12	23.12	12.34	6.66	0.00	4.12	23.12
17	PUNJAB	18.33	17.92	0.00	0.00	36.25	176.47	174.63	0.00	0.00	351.10	194.80	192.55	0.00	0.00	387.35
18	RAJASTHAN	70.09	113.36	0.00	0.00	183.45	659.41	3086.92	3.88	16.33	3766.54	729.50	3200.28	3.88	16.33	3949.99
19	TAMIL NADU	95.25	123.71	39.34	5.59	263.89	7292.27	3271.07	1241.06	204.87	12009.27	7387.52	3394.78	1280.40	210.46	12273.16
20	TELENGANA	19.99	6.01	0.00	0.00	26.00	5706.39	3300.69	43.66	55.07	9105.81	5726.38	3306.70	43.66	55.07	9131.81
21	TRIPURA	0.00	0.00	0.00	0.00	0.00	33.20	35.00	0.00	1.00	69.20	33.20	35.00	0.00	1.00	69.20

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to 11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
22	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	34.00	30.00	2.00	1.00	67.00	34.00	30.00	2.00	1.00	67.00
23	UTTAR PRADESH	12.30	18.30	7.30	12.30	50.20	1671.00	2358.31	1396.51	1762.31	7188.13	1683.30	2376.61	1403.81	1774.61	7238.33
24	WEST BENGAL	184.05	41.88	3.61	99.37	328.91	4789.61	3684.44	318.30	2527.61	11319.96	4973.66	3726.32	321.91	2626.98	11648.87
	Total	7015.75	6366.96	563.84	428.02	14374.57	52052.83	35652.89	8093.17	5543.40	101342.29	59068.58	42019.85	8657.01	5971.42	115716.86

MINOR IRRIGATION CENSUS (2017-18)

TABLE 4.20: DISTRIBUTION OF IN USE DEEP TUBEWELLS ACCORDING TO CONSTRAINTS IN UTILISATION OF POTENTIAL

(In Number)

S.No.	State	No. of Deep tube wells in use	No. of Deep tube wells without constraints	No. of Deep tube well Having Constraints in utilisation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDHRA PRADESH	414149	290284	5181	5431	83616	11853	10203	7581	123865
2	ARUNACHAL PRADESH	4	1	2	1	0	0	0	0	3
3	ASSAM	532	531	0	1	0	0	0	0	1
4	BIHAR	35256	33397	138	188	354	256	35	888	1859
5	CHANDIGARH	30	30	0	0	0	0	0	0	0
6	CHHATISGARH	116899	106916	1166	713	3213	78	264	4549	9983
7	GOA	6	6	0	0	0	0	0	0	0
8	GUJARAT	274503	274397	7	98	0	1	0	0	106
9	HARYANA	148053	146355	164	634	9	4	2	885	1698
10	HIMACHAL PRADESH	1393	1160	1	1	5	0	1	225	233
11	JAMMU & KASHMIR	661	661	0	0	0	0	0	0	0
12	JHARKHAND	508	431	18	23	26	2	4	4	77
13	KARNATAKA	329791	310693	7107	648	9950	54	86	1253	19098
14	KERALA	1855	1843	0	0	11	0	1	0	12
15	MADHYA PRADESH	231623	226089	1283	323	863	61	229	2775	5534
16	MAHARASHTRA	178773	86035	5889	73278	10167	2	35	3367	92738
17	MEGHALAYA	4	1	0	0	0	0	0	3	3
18	NAGALAND	10	10	0	0	0	0	0	0	0
19	ODISHA	59207	46291	4075	930	2425	622	582	4282	12916
20	PUDUCHERRY	1280	1160	0	31	0	0	68	21	120
21	PUNJAB	573539	556734	2833	712	278	26	9	12947	16805
22	RAJASTHAN	474898	388921	21272	3020	53562	586	3143	4394	85977

(In Number)

S.No.	State	No. of Deep tube wells in use	No. of Deep tube wells without constraints	No. of Deep tube well Having Constraints in utilisation of potential						
				Non Availability of Adequate Power	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Lack of Maintenance	Others	Total (5 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	TAMIL NADU	278309	264845	1450	774	7991	60	143	3046	13464
24	TELENGANA	348883	244670	1996	1049	97517	718	964	1969	104213
25	TRIPURA	231	230	0	0	0	0	0	1	1
26	UTTARAKHAND	1735	1633	0	13	18	0	16	55	102
27	UTTAR PRADESH	106360	103307	1615	233	292	20	140	753	3053
28	WEST BENGAL	9987	8684	286	88	191	24	54	660	1303
	Total	3588479	3095315	54483	88189	270488	14367	15979	49658	493164

Surface Flow

Tables

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.1: NUMBER OF SURFACE FLOW SCHEMES BY TYPE

(In Number)

S.No.	State	Type of Surface Flow Schemes								
		Reservoir	Tank /Ponds	Other Storage	Permanent Diversion	Temporary Diversion	Water conservation-cum-ground water recharge schemes/precolation tanks/check dams etc.	Spring Channel	Others	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	5	38	0	0	0	16	3	6	68
2	ANDHRA PRADESH	343	42496	425	624	281	2101	1133	187	47590
3	ARUNACHAL PRADESH	7	5	1	455	2790	57	13	46	3374
4	ASSAM	43	137	28	229	700	50	2	894	2083
5	BIHAR	766	1880	899	226	54	292	9	419	4545
6	CHHATISGARH	782	2109	259	139	286	108	24	538	4245
7	GOA	68	325	6	63	297	49	135	87	1030
8	GUJARAT	538	0	0	0	0	23579	0	0	24117
9	HARYANA	19	17	26	16	10	1	0	9	98
10	HIMACHAL PRADESH	83	12073	232	2837	3548	67	361	2488	21689
11	JAMMU & KASHMIR	23	172	11	403	213	6	108	1605	2541
12	JHARKHAND	2591	61715	1743	446	129	2792	34	2511	71961
13	KARNATAKA	20739	31403	7807	910	696	315	5447	7756	75073
14	KERALA	11	4079	110	1018	851	1125	220	855	8269
15	MADHYA PRADESH	2387	8251	894	660	283	606	1196	5280	19557
16	MAHARASHTRA	25983	22321	9771	3044	1119	1620	1376	34387	99621
17	MANIPUR	0	25	0	736	13	0	0	0	774
18	MEGHALAYA	41	744	8	863	1318	1218	47	254	4493
19	MIZORAM	16	1699	10	209	471	8	3	3	2419
20	NAGALAND	4	109	12	871	16923	61	1251	143	19374

(In Number)

S.No.	State	Type of Surface Flow Schemes								
		Reservoir	Tank /Ponds	Other Storage	Permanent Diversion	Temporary Diversion	Water conservation-cum-ground water recharge schemes/precolation tanks/check dams etc.	Spring Channel	Others	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
21	ODISHA	1293	16367	1384	3924	2052	3262	1859	560	30701
22	PUDUCHERRY	217	10	32	1	1	0	23	421	705
23	PUNJAB	86	16	5	15	100	2	10	90	324
24	RAJASTHAN	662	1020	233	240	35	73	33	378	2674
25	SIKKIM	0	0	0	1454	107	0	5	0	1566
26	TAMIL NADU	51	32421	2235	696	378	234	89	3607	39711
27	TELENGANA	415	43037	537	158	100	17838	35	631	62751
28	TRIPURA	0	0	0	69	216	0	0	75	360
29	UTTARAKHAND	258	6316	461	8010	1054	501	4938	16322	37860
30	UTTAR PRADESH	649	1428	552	144	268	1148	14	222	4425
31	WEST BENGAL	623	12835	114	417	105	218	178	2569	17059
	Total	58703	303048	27795	28877	34398	57347	18546	82343	611057

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.2: DISTRIBUTION OF SURFACE FLOW SCHEMES ACCORDING TO OWNERSHIP

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Coop Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	18	1	8	18	45	7	16	23	68
2	ANDHRA PRADESH	39231	188	4555	200	44174	1103	2313	3416	47590
3	ARUNACHAL PRADESH	2222	98	147	1	2468	852	54	906	3374
4	ASSAM	955	33	5	110	1103	695	285	980	2083
5	BIHAR	1879	146	377	163	2565	407	1573	1980	4545
6	CHHATISGARH	1153	59	379	132	1723	639	1883	2522	4245
7	GOA	49	6	2	49	106	369	555	924	1030
8	GUJARAT	24117	0	0	0	24117	0	0	0	24117
9	HARYANA	3	0	4	0	7	79	12	91	98
10	HIMACH AL PRADESH	4152	457	6582	1116	12307	5031	4351	9382	21689
11	JAMMU & KASHMIR	1651	13	22	585	2271	260	10	270	2541
12	JHARKHAND	25542	5609	3310	3607	38068	10763	23130	33893	71961
13	KARNATAKA	18680	1799	3328	4796	28603	2496	43974	46470	75073
14	KERALA	993	69	1910	676	3648	1732	2889	4621	8269
15	MADHYAPRADESH	9905	397	1362	1164	12828	1766	4963	6729	19557
16	MAHARASHTRA	11016	212	135	586	11949	2584	85088	87672	99621
17	MANIPUR	762	3	7	1	773	1	0	1	774
18	MEGHALAYA	1814	12	11	296	2133	1050	1310	2360	4493
19	MIZORAM	214	3	1	0	218	294	1907	2201	2419
20	NAGALAND	177	17	75	3	272	10514	8588	19102	19374
21	ODISHA	11011	574	8516	545	20646	2854	7201	10055	30701
22	PUDUCHERRY	341	0	0	6	347	2	356	358	705
23	PUNJAB	77	2	14	1	94	1	229	230	324

(In Number)

S.No.	State	Public					Private			
		Govt. Owned	Coop Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
24	RAJASTHAN	774	6	187	74	1041	596	1037	1633	2674
25	SIKKIM	1382	4	0	0	1386	175	5	180	1566
26	TAMILNADU	16905	374	11899	1436	30614	2678	6419	9097	39711
27	TELENGANA	38180	165	11138	1620	51103	2138	9512	11650	62753
28	TRIPURA	90	0	18	1	109	105	146	251	360
29	UTTARAKHAND	10718	255	25313	616	36902	310	648	958	37860
30	UTTAR PRADESH	744	402	699	126	1971	195	2259	2454	4425
31	WEST BENGAL	1091	225	1032	952	3300	9841	3918	13759	17059
	Total	225846	11129	81036	18880	336891	59537	214631	274168	611059

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.3.1: DISTRIBUTION OF SURFACE FLOW SCHEMES ACCORDING TO SOCIAL STATUS OF OWNER

(In Number)

S.No.	State	No. of Surface Flow Schemes owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	0	0	5	11	16	52	68
2	ANDHRA PRADESH	150	282	917	964	2313	45277	47590
3	ARUNACHAL PRADESH	2	52	0	0	54	3320	3374
4	ASSAM	13	258	7	7	285	1798	2083
5	BIHAR	368	12	697	496	1573	2972	4545
6	CHHATISGARH	140	946	659	138	1883	2362	4245
7	GOA	44	257	54	200	555	475	1030
8	GUJARAT	0	0	0	0	0	24117	24117
9	HARYANA	6	0	0	6	12	86	98
10	HIMACHAL PRADESH	663	421	142	3125	4351	17338	21689
11	JAMMU & KASHMIR	4	6	0	0	10	2531	2541
12	JHARKHAND	2142	12602	6043	2343	23130	48831	71961
13	KARNATAKA	3543	1337	14438	24656	43974	31099	75073
14	KERALA	100	42	968	1779	2889	5380	8269
15	MADHYA PRADESH	314	908	2875	866	4963	14594	19557
16	MAHARASHTRA	9266	13745	25340	36737	85088	14533	99621
17	MANIPUR	0	0	0	0	0	774	774
18	MEGHALAYA	3	1306	1	0	1310	3183	4493
19	MIZORAM	42	1864	1	0	1907	512	2419
20	NAGALAND	37	8550	1	0	8588	10786	19374
21	ODISHA	1326	3177	2024	674	7201	23500	30701
22	PUDUCHERRY	234	0	31	91	356	349	705

(In Number)

S.No.	State	No. of Surface Flow Schemes owned by						
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	Total (7 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
23	PUNJAB	8	0	2	219	229	95	324
24	RAJASTHAN	90	378	386	183	1037	1637	2674
25	SIKKIM	0	0	2	3	5	1561	1566
26	TAMIL NADU	871	49	3948	1551	6419	33292	39711
27	TELENGANA	1391	1850	4946	1325	9512	53241	62753
28	TRIPURA	26	57	26	37	146	214	360
29	UTTARAKHAND	119	43	2	484	648	37212	37860
30	UTTAR PRADESH	508	103	1267	381	2259	2166	4425
31	WEST BENGAL	502	247	2206	963	3918	13141	17059
	Total	21912	48492	66988	77239	214631	396428	611059

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.3.2: DISTRIBUTION OF SURFACE FLOW SCHEMES ACCORDING TO SOCIAL STATUS OF FEMALE OWNER

(In Number)

S.No.	State	No. of Surface flow Schemes owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	0	0	1	1
2	ANDHRA PRADESH	19	49	113	149	330
3	ARUNACHAL PRADESH	0	5	0	0	5
4	ASSAM	1	1	1	2	5
5	BIHAR	2	0	6	3	11
6	CHHATISGARH	26	77	53	21	177
7	GOA	19	59	5	19	102
8	HARYANA	1	0	0	0	1
9	HIMACHAL PRADESH	33	34	5	101	173
10	JAMMU & KASHMIR	0	3	0	0	3
11	JHARKHAND	116	472	244	53	885
12	KARNATAKA	484	303	1814	2855	5456
13	KERALA	19	11	177	306	513
14	MADHYA PRADESH	256	735	2285	703	3979
15	MAHARASHTRA	1985	2034	4934	12360	21313
16	MEGHALAYA	2	552	1	0	555
17	MIZORAM	1	25	0	0	26
18	NAGALAND	2	100	0	0	102
19	ODISHA	39	73	123	13	248
20	PUDUCHERRY	22	0	5	19	46
21	PUNJAB	1	0	0	3	4
22	RAJASTHAN	6	4	48	15	73
23	TAMIL NADU	142	5	552	120	819
24	TELENGANA	185	239	584	127	1135
25	TRIPURA	1	4	1	1	7

(In Number)

S.No.	State	No. of Surface flow Schemes owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
26	UTTARAKHAND	0	1	1	23	25
27	UTTAR PRADESH	10	8	37	12	67
28	WEST BENGAL	26	5	82	37	150
	Total	3398	4799	11071	16943	36211

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.4: DISTRIBUTION OF SURFACE FLOW SCHEMES ACCORDING TO THE INDIVIDUAL OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Surface Flow Schemes by size class of owner					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	3	7	3	3	0	16
2	ANDHRA PRADESH	1125	652	355	153	28	2313
3	ARUNACHAL PRADESH	0	3	30	20	1	54
4	ASSAM	182	78	12	12	1	285
5	BIHAR	683	165	530	142	53	1573
6	CHHATISGARH	427	562	514	325	55	1883
7	GOA	381	126	23	15	10	555
8	HARYANA	2	4	5	1	0	12
9	HIMACHAL PRADESH	2516	1358	332	120	25	4351
10	JAMMU & KASHMIR	2	4	2	2	0	10
11	JHARKHAND	5946	9627	4996	1783	778	23130
12	KARNATAKA	6688	19100	9845	5488	2853	43974
13	KERALA	2013	456	242	114	64	2889
14	MADHYA PRADESH	1226	1543	1098	933	163	4963
15	MAHARASHTRA	16178	49731	10686	7398	1095	85088
16	MEGHALAYA	23	560	519	180	28	1310
17	MIZORAM	419	856	584	22	26	1907
18	NAGALAND	2582	1608	2589	1559	250	8588
19	ODISHA	1630	1777	2004	1221	569	7201
20	PUDUCHERRY	99	105	54	25	73	356
21	PUNJAB	56	98	33	18	24	229
22	RAJASTHAN	437	215	223	120	42	1037
23	SIKKIM	0	1	0	1	3	5
24	TAMIL NADU	2156	1812	804	539	1108	6419

(In Number)

S.No.	State	No. of Surface Flow Schemes by size class of owner					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TELENGANA	4664	2646	1675	469	58	9512
26	TRIPURA	72	59	11	4	0	146
27	UTTARAKHAND	110	327	177	23	11	648
28	UTTAR PRADESH	665	719	591	249	35	2259
29	WEST BENGAL	3109	639	91	79	0	3918
	Total	53394	94838	38028	21018	7353	214631

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.5: DISTRIBUTION OF SURFACE FLOW SCHEMES AND COST OF CONSTRUCTION

(In Number)

S.No.	State	Number and Cost of Construction of Surface Flow Schemes commissioned during the period/year											
		Up to 2013 -14		2014 -15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	54	7188	2	140	6	1174	2	560	4	490	68	9552
2	ANDHRA PRADESH	44760	5427953	1119	152769	666	48169	559	48720	486	48109	47590	5725720
3	ARUNACHAL PRADESH	2684	1412351	184	81233	177	95311	128	74020	201	104410	3374	1767325
4	ASSAM	1063	6004152	784	637297	105	477118	65	1445603	66	698902	2083	9263071
5	BIHAR	2335	253610	351	37424	1081	107932	99	6624	679	90068	4545	495659
6	CHHATISGARH	3359	369892	386	13534	200	8618	103	3776	197	14524	4245	410344
7	GOA	840	16645	47	440	14	252	8	120	121	267	1030	17724
8	GUJARAT	24030	9862749	31	16039	24	20326	14	10981	18	69007	24117	9979102
9	HARYANA	89	3153	4	1000	3	0	2	215	0	0	98	4368
10	HIMACHAL PRADESH	14234	1121353	2443	187826	1915	137817	1474	93786	1623	96365	21689	1637147
11	JAMMU & KASHMIR	2459	125419	54	3784	4	549	8	4190	16	1230	2541	135172
12	JHARKHAND	54775	13419253	6410	1774825	3794	1066649	4595	931346	2387	772328	71961	17964401
13	KARNATAKA	51459	3298848	6058	483681	6443	526935	2979	219979	8134	379745	75073	4909189
14	KERALA	6748	742636	596	61223	314	25127	204	27072	407	60985	8269	917043
15	MADHYA PRADESH	15147	10420795	1706	730478	983	399318	731	334681	990	474504	19557	12359776
16	MAHARASHTRA	73699	5577605	8408	505045	9175	547320	8283	497907	56	3018	99621	7130895
17	MANIPUR	521	690803	48	117310	20	45655	20	63449	165	277802	774	1195018
18	MEGHALAYA	3098	1393404	552	174275	303	114205	268	110884	272	142806	4493	1935572
19	MIZORAM	1979	1777361	235	73572	57	4083	82	12392	66	64465	2419	1931873
20	NAGALAND	16757	3525440	523	154104	209	34480	208	84470	1677	282728	19374	4081222
21	ODISHA	25808	5915754	2762	664163	1284	358293	478	261299	369	272301	30701	7471809
22	PUDUCHERRY	614	27600	41	113	11	1346	37	2874	2	155	705	32089

(In Number)

S.No.	State	Number and Cost of Construction of Surface Flow Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
23	PUNJAB	277	37272	13	1953	3	7	7	600	24	66	324	39898
24	RAJASTHAN	2463	787289	95	9405	47	3012	28	3375	41	2110	2674	805191
25	SIKKIM	1548	817488	10	23828	2	2401	4	900	2	7298	1566	851915
26	TAMIL NADU	29763	2137474	2800	162591	1427	81434	975	48777	4746	216224	39711	2646499
27	TELENGANA	50190	4073826	4102	469449	2919	247503	3204	205773	2338	157873	62753	5154425
28	TRIPURA	115	713051	37	4786	15	3135	45	27146	148	8876	360	756993
29	UTTARAKHAND	30546	11668916	4099	1507225	1426	686609	960	315706	829	371613	37860	14550069
30	UTTAR PRADESH	3571	245805	302	15397	251	20958	101	20374	200	29190	4425	331724
31	WEST BENGAL	11996	4945441	1110	457921	1953	860587	751	320436	1249	508095	17059	7092480
	Total	476981	96820527	45312	8522829	34831	5926323	26422	5178031	27513	5155553	611059	121603263

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.6.1: DISTRIBUTION OF SURFACE FLOW SCHEMES BY COST OF MAINTENANCE IN THE REFERENCE YEAR

(In Number)

S.No.	State	No. of Surface Flow Schemes according to the Annual Cost of Maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	68	0	0	0	0	68
2	ANDHRA PRADESH	33334	7149	4790	1330	987	47590
3	ARUNACHAL PRADESH	3367	1	6	0	0	3374
4	ASSAM	1909	149	25	0	0	2083
5	BIHAR	2693	392	1418	42	0	4545
6	CHHATISGARH	4071	130	33	11	0	4245
7	GOA	792	218	19	1	0	1030
8	GUJARAT	3784	13473	6570	226	64	24117
9	HARYANA	91	5	2	0	0	98
10	HIMACHAL PRADESH	21550	49	51	32	7	21689
11	JAMMU & KASHMIR	2391	116	34	0	0	2541
12	JHARKHAND	71064	455	338	70	34	71961
13	KARNATAKA	53680	12163	8024	1203	3	75073
14	KERALA	7680	420	150	17	2	8269
15	MADHYA PRADESH	13668	2770	2214	602	303	19557
16	MAHARASHTRA	97869	255	1494	2	1	99621
17	MANIPUR	774	0	0	0	0	774
18	MEGHALAYA	3952	330	149	62	0	4493
19	MIZORAM	2416	0	2	0	1	2419
20	NAGALAND	12872	4348	1524	496	134	19374
21	ODISHA	26472	2645	1119	419	46	30701
22	PUDUCHERRY	396	214	94	1	0	705
23	PUNJAB	236	58	25	5	0	324

(In Number)

S.No.	State	No. of Surface Flow Schemes according to the Annual Cost of Maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	RAJASTHAN	2510	115	36	8	5	2674
25	SIKKIM	1565	0	0	0	1	1566
26	TAMIL NADU	22632	10221	6239	618	1	39711
27	TELENGANA	46209	10988	4547	998	11	62753
28	TRIPURA	281	42	21	10	6	360
29	UTTARAKHAND	37777	41	22	15	5	37860
30	UTTAR PRADESH	4076	298	45	6	0	4425
31	WEST BENGAL	649	6862	9013	53	0	17059
	Total	480828	73907	48004	6709	1611	611059

MINOR IRRIGATION CENSUS (2017-18)

Table.5.6.2: AVERAGE COST OF CONSTRUCTION, MACHINERY, ANNUAL MAINTENANCE AND AVERAGE AMOUNT OF SUBSIDY RECEIVED FOR SURFACE FLOW SCHEMES

(In Number)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Surface Flow for which subsidy was received	Average amount of subsidy	No. of Surface Flow for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	140	5	0	20	185	0	0
2	ANDHRA PRADESH	120	15	14	8552	54	3472	18
3	ARUNACHAL PRADESH	524	0	0	212	406	0	0
4	ASSAM	4447	7	1	62	46	16	25
5	BIHAR	109	21	10	1194	38	807	10
6	CHHATISGARH	97	9	1	234	146	134	13
7	GOA	17	2	1	12	152	10	31
8	GUJARAT	414	0	9	0	0	0	0
9	HARYANA	45	9	1	1	0	0	0
10	HIMACHAL PRADESH	75	1	0	3329	80	52	35
11	JAMMU & KASHMIR	53	1	0	27	176	1	0
12	JHARKHAND	250	2	1	38052	251	4825	18
13	KARNATAKA	65	29	5	15484	19	15435	10
14	KERALA	111	4	1	394	155	110	21
15	MADHYA PRADESH	632	79	19	5437	174	5834	70
16	MAHARASHTRA	72	19	1	5576	74	4581	8
17	MANIPUR	1544	0	0	0	0	0	0
18	MEGHALAYA	431	2	2	20	81	8	23
19	MIZORAM	799	0	0	5	0	0	0
20	NAGALAND	211	0	7	1606	435	0	0
21	ODISHA	243	9	3	9025	163	2982	31

(In Number)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Surface Flow for which subsidy was received	Average amount of subsidy	No. of Surface Flow for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
22	PUDUCHERRY	46	0	4	0	0	0	0
23	PUNJAB	123	13	4	79	106	57	26
24	RAJASTHAN	301	16	8	255	186	336	18
25	SIKKIM	544	0	0	0	0	0	0
26	TAMIL NADU	67	15	7	14010	39	12438	10
27	TELENGANA	82	7	4	9475	79	4432	14
28	TRIPURA	2103	138	25	72	136	3	70
29	UTTARAKHAND	384	0	0	7901	287	11	54
30	UTTAR PRADESH	75	8	1	133	34	49	6
31	WEST BENGAL	416	1	13	1515	20	0	0
	Total	199	13	5	122682	147	55593	19

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.7: DISTRIBUTION OF SURFACE FLOW SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO MAJOR SOURCE OF FINANCE

(In Number)

S.No.	State	With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving & Govt Fund	Own Saving & Money Lender	Bank Loan & Govt Fund	Bank Loan & Money Lender	Govt. Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0	0	14	0	0	14	0	0	0	0	0	0	2	2	16
2	ANDHRA PRAD ESH	46	455	870	306	194	1871	42	52	194	2	32	2	118	442	2313
3	ARUNACHAL PRADESH	0	0	0	0	0	0	1	18	0	0	0	2	33	54	54
4	ASSAM	0	0	0	0	0	0	1	2	2	0	0	0	280	285	285
5	BIHAR	0	3	3	0	0	6	550	27	10	613	14	1	352	1567	1573
6	CHHATISGARH	29	79	118	5	20	251	97	124	22	61	2	7	1319	1632	1883
7	GOA	8	2	120	0	6	136	8	3	1	0	0	0	407	419	555
8	HARYANA	6	0	0	0	0	6	0	0	0	0	0	0	6	6	12
9	HIMACHAL PRADESH	20	409	1458	2	37	1926	87	874	8	48	5	2	1401	2425	4351
10	JAMMU & KASHMIR	0	0	1	0	6	7	0	0	0	0	0	0	3	3	10
11	JHARKHAND	15	1048	239	3	263	1568	232	6191	64	977	8	40	14050	21562	23130
12	KARNATAKA	6202	455	25033	734	2053	34477	3935	78	554	348	437	5	4140	9497	43974
13	KERALA	75	54	1548	32	542	2251	68	90	30	5	6	0	439	638	2889
14	MADHYA PRADESH	449	199	1945	42	1446	4081	75	66	39	106	19	1	576	882	4963
15	MAHARASHTRA	14144	14339	54335	340	976	84134	166	1	0	2	2	0	783	954	85088
16	MEGHALAYA	1	109	485	1	22	618	4	2	1	0	0	0	685	692	1310
17	MIZORAM	3	1010	869	2	1	1885	15	3	0	4	0	0	0	22	1907
18	NAGALAND	5	680	5113	33	11	5842	23	735	195	6	0	8	1779	2746	8588
19	ODISHA	68	679	2678	16	34	3475	701	1179	324	244	7	7	1264	3726	7201
20	PUDUCHERRY	1	0	0	0	145	146	2	0	1	0	0	0	207	210	356

(In Number)

S.No.	State	With Single Source of Finance						With two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving & Govt Fund	Own Saving & Money Lender	Bank Loan & Govt Fund	Bank Loan & Money Lender	Govt. Fund & Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
21	PUNJAB	2	51	57	0	7	117	16	31	0	10	0	0	55	112	229
22	RAJASTHAN	25	443	409	1	0	878	59	32	14	7	0	0	47	159	1037
23	SIKKIM	0	4	0	0	0	4	0	0	0	0	0	0	1	1	5
24	TAMIL NADU	82	1881	984	9	529	3485	111	346	236	99	3	4	2135	2934	6419
25	TELENGANA	26	4254	569	17	67	4933	116	585	852	178	25	75	2748	4579	9512
26	TRIPURA	0	117	29	0	0	146	0	0	0	0	0	0	0	0	146
27	UTTARAKHAND	1	29	12	0	8	50	21	27	102	3	0	0	445	598	648
28	UTTAR PRADESH	37	241	745	12	41	1076	159	29	2	123	8	0	862	1183	2259
29	WEST BENGAL	12	106	1450	40	2310	3918	0	0	0	0	0	0	0	0	3918
	Total	21257	26647	99084	1595	8718	157301	6489	10495	2651	2836	568	154	34137	57330	214631

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.8: DISTRIBUTION OF SURFACE FLOW SCHEMES BY STATUS OF UTILISATION

(In Number)

S.No.	State	Schemes in use	Schemes not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDAMAN & NICOBAR ISLANDS	64	2	2	4	68	2	2	4
2	ANDHRA PRADESH	37467	9158	965	10123	47590	139	282	421
3	ARUNACHAL PRADESH	2495	538	341	879	3374	0	0	0
4	ASSAM	1768	256	59	315	2083	2	1	3
5	BIHAR	4466	32	47	79	4545	865	34	899
6	CHHATISGARH	4142	66	37	103	4245	205	40	245
7	GOA	1018	3	9	12	1030	9	1	10
8	GUJARAT	24116	1	0	1	24117	23575	1	23576
9	HARYANA	98	0	0	0	98	2	0	2
10	HIMACHAL PRADESH	20944	473	272	745	21689	97	21	118
11	JAMMU & KASHMIR	2537	1	3	4	2541	1	0	1
12	JHARKHAND	69436	1892	633	2525	71961	8143	1063	9206
13	KARNATAKA	73615	1320	138	1458	75073	21697	334	22031
14	KERALA	8068	148	53	201	8269	284	51	335
15	MADHYA PRADESH	18761	456	340	796	19557	17912	666	18578
16	MAHARASHTRA	98498	950	173	1123	99621	3415	647	4062
17	MANIPUR	596	26	152	178	774	0	0	0
18	MEGHALAYA	4199	16	129	294	4493	234	75	309
19	MIZORAM	2362	27	30	57	2419	0	0	0
20	NAGALAND	17789	1402	183	1585	19374	349	4	353
21	ODISHA	28793	1072	836	1908	30701	271	47	318
22	PUDUCHERRY	703	0	2	2	705	7	0	7
23	PUNJAB	275	13	36	49	324	9	2	11

(In Number)

S.No.	State	Schemes in use	Schemes not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
24	RAJASTHAN	2405	246	23	269	2674	54	54	108
25	SIKKIM	979	453	134	587	1566	0	0	0
26	TAMIL NADU	33491	5047	1173	6220	39711	14433	3867	18300
27	TELENGANA	55166	4871	2716	7587	62753	23929	4532	28461
28	TRIPURA	338	17	5	22	360	0	0	0
29	UTTARAKHAND	26699	7742	3419	11161	37860	339	33	372
30	UTTAR PRADESH	4265	81	79	160	4425	995	87	1082
31	WEST BENGAL	16375	407	277	684	17059	149	6	155
	Total	561928	36865	12266	49131	611059	117117	11850	128967

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.9: DISTRIBUTION OF TEMPORARILY NOT IN USE SURFACE FLOW SCHEMES BY REASONS

(In Number)

S.No.	State	No. of Surface Flow Schemes Temporarily not in use due to								
		Non Availability of adequate Power/Fuel	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Storage not filled up fully	Siltation of Channel/ Storage	Channel Break Down	Others	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	0	1	0	0	0	0	1	0	2
2	ANDHRA PRADESH	50	25	3527	138	291	6	2	5119	9158
3	ARUNACHAL PRADESH	0	3	14	25	13	139	244	100	538
4	ASSAM	4	100	8	3	2	4	30	105	256
5	BIHAR	6	7	9	1	6	0	0	3	32
6	CHHATISGARH	13	13	13	0	8	1	0	18	66
7	GOA	0	0	2	0	0	0	1	0	3
8	GUJARAT	1	0	0	0	0	0	0	0	1
9	HIMACHAL PRADESH	5	15	96	5	41	13	126	172	473
10	JAMMU & KASHMIR	0	0	1	0	0	0	0	0	1
11	JHARKHAND	71	242	448	31	386	279	32	403	1892
12	KARNATAKA	18	31	122	5	953	15	5	171	1320
13	KERALA	7	11	20	5	9	16	2	78	148
14	MADHYA PRADESH	11	10	160	27	8	0	19	221	456
15	MAHARASHTRA	33	216	15	0	52	5	25	604	950
16	MANIPUR	0	4	9	1	0	3	7	2	26
17	MEGHALAYA	1	15	15	3	6	33	32	60	165
18	MIZORAM	0	2	5	4	0	1	12	3	27
19	NAGALAND	2	25	386	226	37	3	75	648	1402
20	ODISHA	105	152	99	78	85	80	44	429	1072
21	PUNJAB	2	10	0	0	0	0	0	1	13
22	RAJASTHAN	5	10	60	5	99	0	0	67	246
23	SIKKIM	5	6	44	0	1	8	254	135	453

(In Number)

S.No.	State	No. of Surface Flow Schemes Temporarily not in use due to								
		Non Availability of adequate Power/Fuel	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Storage not filled up fully	Siltation of Channel/ Storage	Channel Break Down	Others	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
24	TAMIL NADU	316	488	1127	174	1059	34	12	1837	5047
25	TELENGANA	46	166	3398	19	674	37	53	478	4871
26	TRIPURA	0	3	0	0	0	0	0	14	17
27	UTTARAKHAND	43	19	346	40	198	157	5203	1736	7742
28	UTTAR PRADESH	13	7	12	3	5	6	2	33	81
29	WEST BENGAL	0	0	88	48	0	0	0	271	407
	Total	757	1581	10024	841	3933	840	6181	12708	36865

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TABLE 5.10: DISTRIBUTION OF PERMANENTLY NOT IN USE SURFACE FLOW SCHEMES BY REASONS

(In Number)

S.No.	State	No. of Surface Flow Schemes Permanently not in use due to								
		Salinity	Dried up	Destroyed beyond repair	Due to sea water intrusion	Industrial effluents	Due to Availability of Major/Medium Irrigation Project	Sinking	Other reasons	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	0	1	1	0	0	0	0	0	2
2	ANDHRA PRADESH	6	661	36	23	2	35	2	200	965
3	ARUNACHAL PRADESH	3	7	154	1	1	0	35	140	341
4	ASSAM	8	19	16	0	0	0	1	15	59
5	BIHAR	10	12	3	1	0	1	18	2	47
6	CHHATISGARH	4	16	5	0	3	1	0	8	37
7	GOA	0	3	0	0	0	0	0	6	9
8	HIMACHAL PRADESH	5	102	65	0	1	1	5	93	272
9	JAMMU & KASHMIR	0	0	1	0	0	0	2	0	3
10	JHARKHAND	17	309	72	2	77	20	0	136	633
11	KARNATAKA	4	55	8	0	4	6	0	61	138
12	KERALA	2	9	16	0	1	3	0	22	53
13	MADHYA PRADESH	4	98	6	0	1	4	0	227	340
14	MAHARASHTRA	25	102	6	0	0	0	5	35	173
15	MANIPUR	0	1	149	1	0	0	0	1	152
16	MEGHALAYA	3	8	49	1	1	1	3	63	129
17	MIZORAM	5	0	19	0	1	0	0	5	30
18	NAGALAND	3	59	46	12	1	2	8	52	183
19	ODISHA	198	195	269	3	1	10	5	155	836
20	PUDUCHERRY	0	0	0	0	0	0	0	2	2
21	PUNJAB	7	24	2	1	0	0	0	2	36
22	RAJASTHAN	1	16	0	0	0	0	0	6	23

(In Number)

S.No.	State	No. of Surface Flow Schemes Permanently not in use due to								
		Salinity	Dried up	Destroyed beyond repair	Due to sea water intrusion	Industrial effluents	Due to Availability of Major/Medium Irrigation Project	Sinking	Other reasons	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	SIKKIM	1	9	26	0	1	0	20	77	134
24	TAMIL NADU	90	417	92	15	8	5	9	537	1173
25	TELENGANA	30	1724	174	3	60	2	7	716	2716
26	TRIPURA	0	1	1	0	0	0	0	3	5
27	UTTARAKHAND	27	133	1367	6	6	7	556	1317	3419
28	UTTAR PRADESH	20	45	6	0	0	0	1	7	79
29	WEST BENGAL	15	25	31	17	2	20	0	167	277
	Total	488	4051	2620	86	171	118	677	4055	12266

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.11: DISTRIBUTION OF SURFACE FLOW SCHEMES IN USE ACCORDING TO WATER DISTRIBUTION SYSTEM AND POTENTIAL UTILISED

(In Number)

S.No.	State	No. & PU of Surface Flow Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	4	1.90	2	1.20	0	0.00	42	45.43	1	0.50	0	0.00	15	17.40	64	66.43
2	ANDHRA PRADESH	4510	83942.58	30171	403107.43	716	6574.86	1120	12356.82	218	3555.18	19	77.81	713	9868.36	37467	519483.04
3	ARUNACHAL PRADESH	658	6429.26	1802	11707.98	0	0.00	34	285.90	0	0.00	0	0.00	1	1.60	2495	18424.74
4	ASSAM	467	48328.33	1222	24711.99	28	6770.00	3	67.00	0	0.00	0	0.00	48	5564.50	1768	85441.82
5	BIHAR	286	2003.05	1889	32700.04	69	965.23	2052	25036.28	11	112.55	1	5.00	158	2328.05	4466	63150.20
6	CHHATISGARH	522	12492.64	1924	19088.43	299	1737.24	1028	4591.32	5	6.05	0	0.00	364	2275.57	4142	40191.25
7	GOA	67	390.84	735	898.58	4	0.75	15	53.13	1	2.00	28	36.97	168	324.42	1018	1706.69
8	GUJARAT	0	0.00	24116	23735.71	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	24116	23735.71
9	HARYANA	72	779.98	15	131.58	3	34.20	5	56.40	0	0.00	0	0.00	3	8.00	98	1010.16
10	HIMACHAL PRADESH	4344	56771.59	5602	39185.77	479	1066.50	9759	10504.14	90	131.90	266	362.75	404	2624.72	20944	110647.37
11	JAMMU & KASHMIR	273	20262.26	1933	154906.40	7	45.50	1	40.00	0	0.00	0	0.00	323	21328.08	2537	196582.24
12	JHARKHAND	1925	6078.55	43552	114948.06	588	2203.74	13477	43659.74	114	308.45	55	183.06	9725	21655.91	69436	189037.51
13	KARNATAKA	18513	24168.08	7349	20811.23	27161	74680.82	6202	15340.48	2447	2893.46	2560	7253.92	9383	19568.12	73615	164716.11
14	KERALA	1286	18185.98	4512	40922.72	258	3638.25	942	7128.39	35	71.07	45	68.15	990	5640.83	8068	75655.39
15	MADHYA PRADESH	728	28557.78	3357	31017.37	1751	12303.23	10835	53167.15	32	119.60	946	1531.86	1112	12512.43	18761	139209.42
16	MAHARASHTRA	9894	181431.54	30736	75984.81	44550	65682.37	7711	19684.32	211	436.39	202	1348.92	5194	53535.73	98498	398104.08
17	MANIPUR	390	9578.00	206	5233.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	596	14811.00
18	MEGHALAYA	727	19585.77	2602	22540.83	42	157.10	416	15182.17	22	1071.00	0	0.00	390	4191.33	4199	62728.20
19	MIZORAM	172	5261.30	609	1477.39	2	44.00	1573	4193.17	3	5.90	2	3.50	1	50.00	2362	11035.26
20	NAGALAND	1291	7980.26	16470	47969.96	12	26.88	4	60.00	6	12.34	3	52.85	3	15.00	17789	56117.29
21	ODISHA	4697	84963.17	21579	226061.12	285	5329.12	1642	18239.17	31	328.80	50	309.20	509	6988.95	28793	342219.53
22	PUDUCHERRY	477	13280.33	158	1080.79	0	0.00	0	0.00	0	0.00	0	0.00	68	226.56	703	14587.68

(In Number)

S.No.	State	No. & PU of Surface Flow Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
23	PUNJAB	54	2050.56	164	3213.92	25	643.40	0	0.00	0	0.00	0	0.00	32	182.06	275	6089.94
24	RAJASTHAN	940	36773.55	653	11947.55	25	321.46	533	4941.49	5	64.00	58	364.56	191	2001.09	2405	56413.70
25	SIKKIM	785	10431.81	192	2115.40	1	8.79	0	0.00	0	0.00	0	0.00	1	2.73	979	12558.73
26	TAMIL NADU	9401	101157.27	16799	192330.48	556	4435.07	3154	14423.60	205	323.71	96	549.82	3280	25629.79	33491	338849.74
27	TELENGANA	14808	155171.71	28145	372953.80	2344	9377.17	2270	24362.24	88	97.01	64	86.75	7447	6073.50	55166	568122.18
28	TRIPURA	64	6250.70	258	1353.82	9	124.00	4	17.30	0	0.00	0	0.00	3	139.50	338	7885.32
29	UTTARAKHAND	21673	223782.65	1295	24177.14	226	809.18	1466	4483.10	25	59.38	3	19.56	2011	14681.57	26699	268012.58
30	UTTAR PRADESH	396	3126.93	1714	17038.59	60	573.23	1715	13469.35	8	60.00	56	218.02	316	1062.13	4265	35548.25
31	WEST BENGAL	841	10367.70	8731	62900.02	466	3605.31	3251	17623.92	19	47.04	42	1504.06	3025	13362.53	16375	109410.58
	Total	100265	1179586.07	258492	1986253.11	79966	201157.40	69254	309012.01	3577	9706.33	4496	13976.76	45878	231860.46	561928	3931552.14

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.12: DISTRIBUTION OF SURFACE FLOW SCHEMES IN AND OUTSIDE THE COMMAND AREA OF MAJOR/MEDIUM PROJECTS

(In Number)

S.No.	State	Outside command	No. of Surface flow Schemes inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	67	1	0	0	0	1	68
2	ANDHRA PRADESH	42129	3187	984	47	1243	5461	47590
3	ARUNACHAL PRADESH	3374	0	0	0	0	0	3374
4	ASSAM	1997	7	2	1	76	86	2083
5	BIHAR	4358	100	43	0	44	187	4545
6	CHHATISGARH	4042	30	73	1	99	203	4245
7	GOA	962	52	2	0	14	68	1030
8	GUJARAT	24117	0	0	0	0	0	24117
9	HARYANA	98	0	0	0	0	0	98
10	HIMACHAL PRADESH	21656	3	10	1	19	33	21689
11	JAMMU & KASHMIR	2532	4	0	0	5	9	2541
12	JHARKHAND	71755	40	93	8	65	206	71961
13	KARNATAKA	72344	621	714	31	1363	2729	75073
14	KERALA	7629	298	237	22	83	640	8269
15	MADHYA PRADESH	18936	558	5	2	56	621	19557
16	MAHARASHTRA	72266	21	3	0	27331	27355	99621
17	MANIPUR	774	0	0	0	0	0	774
18	MEGHALAYA	4492	0	0	0	1	1	4493
19	MIZORAM	2412	0	0	0	7	7	2419
20	NAGALAND	19217	2	155	0	0	157	19374
21	ODISHA	29560	412	307	30	392	1141	30701

(In Number)

S.No.	State	Outside command	No. of Surface flow Schemes inside the command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
22	PUDUCHERRY	704	0	1	0	0	1	705
23	PUNJAB	297	4	2	0	21	27	324
24	RAJASTHAN	2534	62	56	5	17	140	2674
25	SIKKIM	1566	0	0	0	0	0	1566
26	TAMIL NADU	37426	567	1061	57	600	2285	39711
27	TELENGANA	58219	801	2932	73	728	4534	62753
28	TRIPURA	359	0	0	0	1	1	360
29	UTTARAKHAND	37772	11	4	1	72	88	37860
30	UTTAR PRADESH	3853	207	82	4	279	572	4425
31	WEST BENGAL	16653	0	0	0	406	406	17059
	Total	564100	6988	6766	283	32922	46959	611059

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.13.1: CCA AND SEASON WISE POTENTIAL CREATED THROUGH SURFACE FLOW SCHEMES - ALL

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	106.88	13.20	50.45	39.35	4.60	107.60
2	ANDHRA PRADESH	777776.33	571243.43	333652.40	17286.63	2865.54	925048.00
3	ARUNACHAL PRADESH	33751.18	28556.34	7840.27	1313.60	1489.00	39199.21
4	ASSAM	207538.35	182721.59	73944.34	584.80	697.67	257948.40
5	BIHAR	64356.71	48757.16	21362.11	1837.91	4216.40	76173.58
6	CHHATISGARH	5279 1.20	45203.96	12462.86	24.00	6.10	57696.92
7	GOA	1952.88	42.64	985.99	848.84	75.41	1952.88
8	GUJARAT	22347.00	12222.46	14499.29	0.10	0.00	26721.85
9	HARYANA	507.48	505.08	505.08	0.00	0.00	1010.16
10	HIMACHAL PRADESH	79388.70	68268.78	62643.33	50.04	7.83	130969.98
11	JAMMU & KASHMIR	155948.53	147305.96	58691.11	152.87	422.00	206571.94
12	JHARKHAND	244480.15	167897.37	79809.98	11088.33	8922.15	267717.83
13	KARNATAKA	144310.53	117519.48	24995.96	13506.67	14999.68	171021.79
14	KERALA	73772.16	27 610.81	25962.31	17846.42	8079.02	79498.56
15	MADHYA PRADESH	141614.60	26075.76	122940.37	2152.00	2047.28	153215.41
16	MAHARASHTRA	397486.03	197373.67	217520.01	33037.03	8366.66	456297.37
17	MANIPUR	15925.00	15860.00	1535.00	8.00	1.00	17404.00
18	ME GHALAYA	65364.49	51590.64	14028.95	7589.22	2680.96	75889.77
19	MIZORAM	17095.54	15753.26	7826.85	32.10	3054.48	26666.69
20	NAGALAND	88157.37	72258.92	17009.25	521.00	855.00	90644.17
21	ODISHA	445635.22	406516.08	147874.76	329.91	574.81	555295.56
22	PUDUCHERRY	11779.96	3037.55	11728.39	0.00	0.00	14765.94
23	PUNJAB	3664.41	2803.42	2850.40	757.30	27.60	6438.72
24	RAJASTHAN	88337.88	13535.57	85824.33	57.79	209.55	99627.24

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	SIKKIM	17678.16	11880.92	5122.24	2036.90	3696.42	22736.48
26	TAMIL NADU	450391.24	187267.81	244998.58	27270.85	18775.18	478312.42
27	TELENGANA	602467.03	527188.18	337331.11	636.67	1394.31	866550.27
28	TRIPURA	6616.42	5548.77	4619.39	30.00	611.50	10809.66
29	UTTARAKHAND	242304.90	174465.36	162665.16	9510.19	26605.61	3732 46.32
30	UTTAR PRADESH	34320.97	13728.12	19045.79	4876.40	3306.47	40956.78
31	WEST BENGAL	114137.40	90124.30	63963.89	7818.69	8743.27	170650.15
	Total	4602004.70	3232876.59	2184289.95	161243.61	122735.50	5701145.65

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TABLE 5.13.2: CCA AND SEASON WISE POTENTIAL CREATED THROUGH IN USE SURFACE FLOW SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	104.88	13.00	49.55	38.75	4.10	105.40
2	ANDHRA PRADESH	633481.69	472108.74	247026.73	14130.11	2381.61	735647.19
3	ARUNACHAL PRADESH	22651.16	19021.42	4840.44	914.90	936.86	25713.62
4	ASSAM	179224.24	159027.93	64067.48	584.00	365.07	224044.48
5	BIHAR	63766.61	48351.48	21162.44	1784.16	4194.90	75492.98
6	CHHATISGARH	52457.65	44910.46	12392.20	24.00	6.10	57332.76
7	GOA	1831.14	42.64	985.75	727.34	75.41	1831.14
8	GUJARAT	22347.00	12222.46	14499.29	0.10	0.00	26721.85
9	HARYANA	507.48	505.08	505.08	0.00	0.00	1010.16
10	HIMACHAL PRADESH	76578.76	66053.15	60845.22	49.97	5.23	126953.57
11	JAMMU & KASHMIR	155941.53	147298.96	58691.11	152.87	422.00	206564.94
12	JHARKHAND	238146.91	163538.18	77829.17	10958.59	8634.27	260960.21
13	KARNATAKA	141502.39	115018.93	24462.62	13472.42	14803.61	167757.58
14	KERALA	72874.21	27397.21	25746.17	17393.46	7953.17	78490.01
15	MADHYA PRADESH	140621.48	25801.06	122238.27	2144.13	2006.43	152189.89
16	MAHARASHTRA	396153.87	196454.21	217020.02	33034.88	8365.66	454874.77
17	MANIPUR	15898.00	15833.00	1535.00	8.00	1.00	17377.00
18	MEGHALAYA	60585.14	48109.82	12452.08	7179.23	2140.81	69881.94
19	MIZORAM	14978.54	13689.26	6560.65	31.60	2297.38	22578.89
20	NAGALAND	80920.50	66511.22	15444.41	516.00	829.00	83300.63
21	ODISHA	429873.38	392446.80	142338.14	325.71	570.71	535681.36
22	PUDUCHERRY	11737.46	2996.55	11685.89	0.00	0.00	14682.44
23	PUNJAB	3587.71	2726.72	2775.92	757.30	27.60	6287.54
24	RAJASTHAN	76426.21	9384.56	74554.66	41.79	209.55	84190.56

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	SIKKIM	11739.85	7792.65	3413.63	1412.77	2635.20	15254.25
26	TAMIL NADU	416975.07	172569.52	230055.91	24942.45	16569.49	444137.37
27	TELENGANA	569624.15	504654.98	316082.55	610.50	1320.43	822668.46
28	TRIPURA	6201.42	5249.27	4417.09	30.00	501.50	10197.86
29	UTTARAKHAND	201894.35	146177.69	137350.86	8663.89	23049.58	315242.02
30	UTTAR PRADESH	33705.82	13376.48	18679.28	4845.08	3260.34	40161.18
31	WEST BENGAL	105655.52	84062.96	58385.24	6146.16	8263.58	156857.94
	Tot al	4237994.12	2983346.39	1988092.85	150920.16	111830.59	5234189.99

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.13.3: CCA AND SEASON WISE POTENTIAL CREATED THROUGH TEMPORARILY NOT IN USE SURFACE FLOW SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	1.00	0.00	0.40	0.30	0.30	1.00
2	ANDHRA PRADESH	130502.83	87495.84	81442.5 9	3002.41	460.32	172401.16
3	ARUNACHAL PRADESH	5557.02	4491.22	1616.78	309.00	274.24	6691.24
4	ASSAM	19932.94	16763.88	6630.41	0.80	330.60	23725.69
5	BIHAR	163.26	113.34	83.42	7.50	14.50	218.76
6	CHHATISGARH	295.51	262.36	61.76	0.00	0.00	324.12
7	GOA	1.44	0.00	0.24	1.20	0.00	1.44
8	GUJARAT	0.00	0.00	0.00	0.00	0.00	0.00
9	HIMACHAL PRADESH	1994.79	1603.82	1271.78	0.07	2.51	2878.18
10	JAMMU & KASHMIR	1.00	1.00	0.00	0.00	0.00	1.00
11	JHARKHAND	5051.93	3470.64	1590.28	110.12	213.88	5384.92
12	KARNATAKA	2715.66	2423.29	528.62	23.44	190.00	3165.35
13	KERALA	686.27	193.48	178.23	332.28	92.88	796.87
14	MADHYA PRADESH	912.40	253.80	637.28	7.37	25.85	924.30
15	MAHARASHTRA	992.05	637.11	405.43	0.43	1.00	1043.97
16	MANIPUR	27.00	27.00	0.00	0.00	0.00	27.00
17	MEGHALAYA	3112.21	2499.66	1285.12	170.93	350.12	4305.83
18	MIZORAM	960.50	925.50	406.70	0.00	526.10	1858.30
19	NAGALAND	6629.96	5311.49	1384.84	4.00	25.00	6725.33
20	ODISHA	10823.65	9892.78	3634.25	2.70	4.10	13533.83
21	PUNJAB	31.95	31.95	29.73	0.00	0.00	61.68
22	RAJASTHAN	9748.54	4121.01	9127.54	0.00	0.00	13248.55
23	SIKKIM	4557.45	3209.34	1317.71	424.55	797.23	5748.83
24	TAMIL NADU	30540.38	13147.30	13948.58	2072.51	2112.59	31280.98
25	TELENGANA	27881.07	18784.69	18775.22	25.19	11.72	37596.82

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
26	TRIPURA	367.00	253.00	195.00	0.00	110.00	558.00
27	UTTARAKHAND	30668.30	21899.32	19469.38	742.11	2452.85	44563.66
28	UTTAR PRADESH	379.90	242.00	251.00	21.70	32.65	547.35
29	WEST BENGAL	2747.26	1992.81	1705.78	199.31	355.55	4253.45
	Total	297283.27	200047.63	165978.07	7457.92	8383.99	381867.61

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.13.4: CCA AND SEASON WISE POTENTIAL CREATED THROUGH PERMANENTLY NOT IN USE SURFACE FLOW SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	1.00	0.20	0.50	0.30	0.20	1.20
2	ANDHRA PRADESH	13791.81	11638.85	5183.08	154.11	23.61	16999.65
3	ARUNACHAL PRADESH	5543.00	5043.70	1383.05	89.70	277.90	6794.35
4	ASSAM	8381.17	6929.78	3246.45	0.00	2.00	10178.23
5	BIHAR	426.84	292.34	116.25	46.25	7.00	461.84
6	CHHATISGARH	38.04	31.14	8.90	0.00	0.00	40.04
7	GOA	120.30	0.00	0.00	120.30	0.00	120.30
8	HIMACHAL PRADESH	815.15	611.81	526.33	0.00	0.09	1138.23
9	JAMMU & KASHMIR	6.00	6.00	0.00	0.00	0.00	6.00
10	JHARKHAND	1281.31	888.55	390.53	19.62	74.00	1372.70
11	KARNATAKA	92.48	77.26	4.72	10.81	6.07	98.86
12	KERALA	211.68	20.12	37.91	120.68	32.97	211.68
13	MADHYA PRADESH	80.72	20.90	64.82	0.50	15.00	101.22
14	MAHARASHTRA	340.11	282.35	94.56	1.72	0.00	378.63
15	MANIPUR	0.00	0.00	0.00	0.00	0.00	0.00
16	MEGHALAYA	1667.14	981.16	291.75	239.06	190.03	1702.00
17	MIZORAM	1156.50	1138.50	859.50	0.50	231.00	2229.50
18	NAGALAND	606.91	436.21	180.00	1.00	1.00	618.21
19	ODISHA	4938.19	4176.50	1902.37	1.50	0.00	6080.37
20	PUDUCHERRY	42.50	41.00	42.50	0.00	0.00	83.50
21	PUNJAB	44.75	44.75	44.75	0.00	0.00	89.50
22	RAJASTHAN	2163.13	30.00	2142.13	16.00	0.00	2188.13
23	SIKKIM	1380.86	878.93	390.90	199.58	263.99	1733.40
24	TAMIL NADU	2875.79	1550.99	994.09	255.89	93.10	2894.07

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TELENGANA	4961.81	3748.51	2473.34	0.98	62.16	6284.99
26	TRIPURA	48.00	46.50	7.30	0.00	0.00	53.80
27	UTTARAKHAND	9742.25	6388.35	5844.92	104.19	1103.18	13440.64
28	UTTAR PRADESH	235.25	109.64	115.51	9.62	13.48	248.25
29	WEST BENGAL	5734.62	4068.53	3872.87	1473.22	124.14	9538.76
	Total	66727.31	49482.57	30219.03	2865.53	2520.92	85088.05

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.14.1: SEASON WISE POTENTIAL UTILISED THROUGH SURFACE FLOW SCHEMES - ALL

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.30	0.20	0.50	5.30	34.75	25.28	1.10	66.43	5.30	34.75	25.58	1.30	66.93
2	ANDHRA PRADESH	62485.69	36104.88	1234.77	79.31	99904.65	307149.77	122388.46	11022.85	1574.32	442135.40	369635.46	158493.34	12257.62	1653.63	542040.05
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	15446.59	3660.59	769.78	755.71	20632.67	15446.59	3660.59	769.78	755.71	20632.67
4	ASSAM	5209.90	2490.50	1.50	327.50	8029.40	58856.04	24665.32	346.50	147.50	84015.36	64065.94	27155.82	348.00	475.00	92044.76
5	BIHAR	4141.67	3407.82	194.33	310.60	8054.42	38366.51	13575.80	1373.36	1955.56	55271.23	42508.18	16983.62	1567.69	2266.16	63325.65
6	CHHATISGARH	2333.33	239.27	0.00	0.00	2572.60	30680.05	7049.95	2.00	0.00	37732.00	33013.38	7289.22	2.00	0.00	40304.60
7	GOA	0.00	16.67	5.60	0.00	22.27	39.64	936.72	649.46	60.03	1685.85	39.64	953.39	655.06	60.03	1708.12
8	GUJARAT	0.00	0.00	0.00	0.00	0.00	12214.34	11521.27	0.10	0.00	23735.71	12214.34	11521.27	0.10	0.00	23735.71
9	HARYANA	0.00	0.00	0.00	0.00	0.00	505.08	505.08	0.00	0.00	1010.16	505.08	505.08	0.00	0.00	1010.16
10	HIMACHAL PRADESH	95.34	86.87	2.20	0.00	184.41	59918.29	52411.91	43.59	5.73	112379.52	60013.63	52498.78	45.79	5.73	112563.93
11	JAMMU & KASHMIR	364.15	187.48	10.87	0.00	562.50	141595.85	53993.89	77.00	353.00	196019.74	141960.00	54181.37	87.87	353.00	196582.24
12	JHARKHAND	337.57	262.01	89.49	49.01	738.08	121080.77	58249.87	6608.74	5881.63	191821.01	121418.34	58511.88	6698.23	5930.64	192559.09
13	KARNATAKA	4553.68	2019.69	1147.82	866.03	8587.22	110288.08	22071.52	11960.14	13796.11	158115.85	114841.76	24091.21	13107.96	14662.14	166703.07
14	KERALA	1240.94	1446.69	1153.62	342.03	4183.28	24894.50	24048.15	15899.03	7354.37	72196.05	26135.44	25494.84	17052.65	7696.40	76379.33
15	MADHYA PRADESH	2046.10	15916.19	517.01	614.52	19093.82	18226.00	100357.90	1228.06	889.63	120701.59	20272.10	116274.09	1745.07	1504.15	139795.41
16	MAHARASHTRA	23747.99	28079.16	3769.05	8.69	55604.89	150292.15	158368.76	26465.39	8357.97	343484.27	174040.14	186447.92	30234.44	8366.66	399089.16
17	MANIPUR	0.00	0.00	0.00	0.00	0.00	13766.00	1065.00	4.00	1.00	14836.00	13766.00	1065.00	4.00	1.00	14836.00
18	MEGHALAYA	0.53	0.00	0.00	0.00	0.53	44866.50	10516.99	6659.85	1553.99	63597.33	44867.03	10516.99	6659.85	1553.99	63597.86
19	MIZORAM	145.00	0.00	0.00	0.00	145.00	8084.59	2596.08	18.70	746.59	11445.96	8229.59	2596.08	18.70	746.59	11590.96
20	NAGALAND	630.28	113.30	0.00	0.00	743.58	48048.70	7701.78	356.00	268.00	56374.48	48678.98	7815.08	356.00	268.00	57118.06
21	ODISHA	12122.08	4462.55	4.50	63.70	16652.83	252071.23	78208.49	190.84	126.38	330596.94	264193.31	82671.04	195.34	190.08	347249.77
22	PUDUCHERRY	0.00	52.00	0.00	0.00	52.00	2996.55	11539.13	0.00	0.00	14535.68	2996.55	11591.13	0.00	0.00	14587.68
23	PUNJAB	135.67	135.67	29.00	0.00	300.34	2533.00	2579.98	710.70	27.60	5851.28	2668.67	2715.65	739.70	27.60	6151.62
24	RAJASTHAN	952.08	9296.64	1.00	0.00	10249.72	1552.95	46785.25	31.25	39.00	48408.45	2505.03	56081.89	32.25	39.00	58658.17
25	SIKKIM	0.00	0.00	0.00	0.00	0.00	9209.95	3700.81	1419.80	2681.52	17012.08	9209.95	3700.81	1419.80	2681.52	17012.08
26	TAMIL NADU	10151.00	10315.50	2060.77	1475.65	24002.92	131532.61	173953.29	18506.55	11967.29	335959.74	141683.61	184268.79	20567.32	13442.94	359962.66
27	TELENGANA	72772.90	54624.89	54.63	43.13	127495.55	279921.47	166294.39	453.75	1053.10	447722.71	352694.37	220919.28	508.38	1096.23	575218.26
28	TRIPURA	40.00	40.00	0.00	25.00	105.00	3955.00	3621.82	23.00	366.50	7966.32	3995.00	3661.82	23.00	391.50	8071.32
29	UTTARAKHAND	8156.87	6864.94	3.10	169.50	15194.41	133838.06	124586.56	7879.18	17433.70	283737.50	141994.93	131451.50	7882.28	17603.20	298931.91
30	UTTAR PRADESH	4891.22	5658.29	339.45	329.45	11218.41	6840.72	11449.03	3969.93	2512.46	24772.14	11731.94	17107.32	4309.38	2841.91	35990.55
31	WEST BENGAL	6158.79	993.25	78.90	1041.32	8272.26	67573.91	24754.53	5356.49	6090.73	103775.66	73732.70	25747.78	5435.39	7132.05	112047.92
	Total	222712.78	182814.26	10697.91	5745.64	421970.59	2096350.20	1323193.07	122051.32	86000.52	3627595.11	2319062.98	1506007.33	132749.23	91746.16	4049565.70

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.14.2: SEASON WISE POTENTIAL UTILISED THROUGH IN USE SURFACE FLOW SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.30	0.20	0.50	5.30	34.45	25.08	1.10	65.93	5.30	34.45	25.38	1.30	66.43
2	ANDHRA PRADESH	62042.44	35509.57	1207.76	78.90	98838.67	295858.04	112744.54	10486.22	1555.57	420644.37	357900.48	148254.11	11693.98	1634.47	519483.04
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	13960.66	3164.44	656.28	643.36	18424.74	13960.66	3164.44	656.28	643.36	18424.74
4	ASSAM	4298.40	1981.90	1.50	166.20	6448.00	55367.70	23181.72	345.80	98.60	78993.82	59666.10	25163.62	347.30	264.80	85441.82
5	BIHAR	4141.67	3407.82	194.33	310.60	8054.42	38274.38	13513.38	1365.86	1942.16	55095.78	42416.05	16921.20	1560.19	2252.76	63150.20
6	CHHATISGARH	2323.78	235.27	0.00	0.00	2559.05	30611.37	7018.83	2.00	0.00	37632.20	32935.15	7254.10	2.00	0.00	40191.25
7	GOA	0.00	16.67	5.60	0.00	22.27	39.64	936.49	648.26	60.03	1684.42	39.64	953.16	653.86	60.03	1706.69
8	GUJARAT	0.00	0.00	0.00	0.00	0.00	12214.34	11521.27	0.10	0.00	23735.71	12214.34	11521.27	0.10	0.00	23735.71
9	HARYANA	0.00	0.00	0.00	0.00	0.00	505.08	505.08	0.00	0.00	1010.16	505.08	505.08	0.00	0.00	1010.16
10	HIMACHAL PRADESH	54.44	50.07	2.20	0.00	106.71	58861.48	51630.43	43.52	5.23	110540.66	58915.92	51680.50	45.72	5.23	110647.37
11	JAMMU & KASHMIR	364.15	187.48	10.87	0.00	562.50	141595.85	53993.89	77.00	353.00	196019.74	141960.00	54181.37	87.87	353.00	196582.24
12	JHARKHAND	314.79	248.31	89.49	49.01	701.60	118823.68	57148.49	6561.28	5802.46	188335.91	119138.47	57396.80	6650.77	5851.47	189037.51
13	KARNATAKA	4477.73	2013.17	1147.82	866.03	8504.75	108857.97	21778.46	11936.80	13638.13	156211.36	113335.70	23791.63	13084.62	14504.16	164716.11
14	KERALA	1209.64	1422.28	1088.25	323.35	4043.52	24753.56	23914.85	15644.22	7299.24	71611.87	25963.20	25337.13	16732.47	7622.59	75655.39
15	MADHYA PRADESH	2036.10	15903.19	517.01	610.52	19066.82	18181.03	99855.87	1223.92	881.78	120142.60	20217.13	115759.06	1740.93	1492.30	139209.42
16	MAHARASHTRA	23732.51	28071.56	3769.05	7.69	55580.81	149694.55	158005.77	26464.98	8357.97	342523.27	173427.06	186077.33	30234.03	8365.66	398104.08
17	MANIPUR	0.00	0.00	0.00	0.00	0.00	13741.00	1065.00	4.00	1.00	14811.00	13741.00	1065.00	4.00	1.00	14811.00
18	MEGHALAYA	0.53	0.00	0.00	0.00	0.53	44314.15	10350.26	6569.88	1493.38	62727.67	44314.68	10350.26	6569.88	1493.38	62728.20
19	MIZORAM	0.00	0.00	0.00	0.00	0.00	7797.59	2537.48	18.70	681.49	11035.26	7797.59	2537.48	18.70	681.49	11035.26
20	NAGALAND	630.28	113.30	0.00	0.00	743.58	47251.08	7498.63	356.00	268.00	55373.71	47881.36	7611.93	356.00	268.00	56117.29
21	ODISHA	11646.85	4272.43	4.00	62.70	15985.98	248781.77	77135.76	189.64	126.38	326233.55	260428.62	81408.19	193.64	189.08	342219.53
22	PUDUCHERRY	0.00	52.00	0.00	0.00	52.00	2996.55	11539.13	0.00	0.00	14535.68	2996.55	11591.13	0.00	0.00	14587.68
23	PUNJAB	135.67	135.67	29.00	0.00	300.34	2501.05	2550.25	710.70	27.60	5789.60	2636.72	2685.92	739.70	27.60	6089.94
24	RAJASTHAN	952.08	9196.24	1.00	0.00	10149.32	1527.95	44666.18	31.25	39.00	46264.38	2480.03	53862.42	32.25	39.00	56413.70
25	SIKKIM	0.00	0.00	0.00	0.00	0.00	6636.32	2709.08	1090.50	2122.83	12558.73	6636.32	2709.08	1090.50	2122.83	12558.73
26	TAMIL NADU	9433.24	9892.58	2050.47	1458.87	22835.16	122503.17	165895.42	17178.17	10437.82	316014.58	131936.41	175788.00	19228.64	11896.69	338849.74
27	TELENGANA	72727.93	54461.38	54.63	43.13	127287.07	276791.97	162537.50	452.70	1052.94	440835.11	349519.90	216998.88	507.33	1096.07	568122.18
28	TRIPURA	40.00	40.00	0.00	25.00	105.00	3844.00	3546.82	23.00	366.50	7780.32	3884.00	3586.82	23.00	391.50	7885.32
29	UTTARAKHAND	8118.72	6831.94	2.45	168.85	15121.96	118437.10	111081.40	7322.65	16049.47	252890.62	126555.82	117913.34	7325.10	16218.32	268012.58
30	UTTAR PRADESH	4885.22	5653.29	339.45	329.45	11207.41	6655.32	11247.63	3952.43	2485.46	24340.84	11540.54	16900.92	4291.88	2814.91	35548.25
31	WEST BENGAL	5865.51	941.77	71.62	946.43	7825.33	66146.07	24244.15	5246.36	5948.67	101585.25	72011.58	25185.92	5317.98	6895.10	109410.58
	Total	219431.68	180637.89	10586.80	5446.93	416103.30	2037529.72	1277552.65	118627.30	81739.17	3515448.84	2256961.40	1458190.54	129214.10	87186.10	3931552.14

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.14.3: SEASON WISE POTENTIAL UTILISED THROUGH TEMPORARILY NOT IN USE SURFACE FLOW SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.20	0.00	0.50	0.00	0.30	0.20	0.00	0.50
2	ANDHRA PRADESH	443.25	595.31	27.01	0.41	1065.98	11291.73	9643.92	536.63	18.75	21491.03	11734.98	10239.23	563.64	19.16	22557.01
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	1485.93	496.15	113.50	112.35	2207.93	1485.93	496.15	113.50	112.35	2207.93
4	ASSAM	911.50	508.60	0.00	161.30	1581.40	3488.34	1483.60	0.70	48.90	5021.54	4399.84	1992.20	0.70	210.20	6602.94
5	BIHAR	0.00	0.00	0.00	0.00	0.00	92.13	62.42	7.50	13.40	175.45	92.13	62.42	7.50	13.40	175.45
6	CHHATISGARH	9.55	4.00	0.00	0.00	13.55	68.68	31.12	0.00	0.00	99.80	78.23	35.12	0.00	0.00	113.35
7	GOA	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.20	0.00	1.43	0.00	0.23	1.20	0.00	1.43
8	GUJARAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	HIMACHAL PRADESH	40.90	36.80	0.00	0.00	77.70	1056.81	781.48	0.07	0.50	1838.86	1097.71	818.28	0.07	0.50	1916.56
10	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	JHARKHAND	22.78	13.70	0.00	0.00	36.48	2257.09	1101.38	47.46	79.17	3485.10	2279.87	1115.08	47.46	79.17	3521.58
12	KARNATAKA	75.95	6.52	0.00	0.00	82.47	1430.11	293.06	23.34	157.98	1904.49	1506.06	299.58	23.34	157.98	1986.96
13	KERALA	31.30	24.41	65.37	18.68	139.76	140.94	133.30	254.81	55.13	584.18	172.24	157.71	320.18	73.81	723.94
14	MADHYA PRADESH	10.00	13.00	0.00	4.00	27.00	44.97	502.03	4.14	5.85	556.99	54.97	515.03	4.14	9.85	583.99
15	MAHARASHTRA	15.48	7.60	0.00	1.00	24.08	597.60	362.99	0.41	0.00	961.00	613.08	370.59	0.41	1.00	985.08
16	MANIPUR	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	25.00	25.00	0.00	0.00	0.00	25.00
17	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	552.35	166.73	89.97	60.61	869.66	552.35	166.73	89.97	60.61	869.66
18	MIZORAM	145.00	0.00	0.00	0.00	145.00	287.00	58.60	0.00	65.10	410.70	432.00	58.60	0.00	65.10	555.70
19	NAGALAND	0.00	0.00	0.00	0.00	0.00	797.62	203.15	0.00	0.00	1000.77	797.62	203.15	0.00	0.00	1000.77
20	ODISHA	475.23	190.12	0.50	1.00	666.85	3289.46	1072.73	1.20	0.00	4363.39	3764.69	1262.85	1.70	1.00	5030.24
21	PUNJAB	0.00	0.00	0.00	0.00	0.00	31.95	29.73	0.00	0.00	61.68	31.95	29.73	0.00	0.00	61.68
22	RAJASTHAN	0.00	100.40	0.00	0.00	100.40	25.00	2119.07	0.00	0.00	2144.07	25.00	2219.47	0.00	0.00	2244.47
23	SIKKIM	0.00	0.00	0.00	0.00	0.00	2573.63	991.73	329.30	558.69	4453.35	2573.63	991.73	329.30	558.69	4453.35

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
24	TAMIL NADU	717.76	422.92	10.30	16.78	1167.76	9029.44	8057.87	1328.38	1529.47	19945.16	9747.20	8480.79	1338.68	1546.25	21112.92
25	TELENGANA	44.97	163.51	0.00	0.00	208.48	3129.50	3756.89	1.05	0.16	6887.60	3174.47	3920.40	1.05	0.16	7096.08
26	TRIPURA	0.00	0.00	0.00	0.00	0.00	111.00	75.00	0.00	0.00	186.00	111.00	75.00	0.00	0.00	186.00
27	UTTARAKHAND	38.15	33.00	0.65	0.65	72.45	15400.96	13505.16	556.53	1384.23	30846.88	15439.11	13538.16	557.18	1384.88	30919.33
28	UTTAR PRADESH	6.00	5.00	0.00	0.00	11.00	185.40	201.40	17.50	27.00	431.30	191.40	206.40	17.50	27.00	442.30
29	WEST BENGAL	293.28	51.48	7.28	94.89	446.93	1427.84	510.38	110.13	142.06	2190.4 1	1721.12	561.86	117.41	236.95	2637.34
	Total	3281.10	2176.37	111.11	298.71	5867.29	58820.48	45640.42	3424.02	4259.35	112144.27	62101.58	47816.79	3535.13	4558.06	118011.56

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.15: DISTRIBUTION OF IN USE SURFACE FLOW SCHEMES ACCORDING TO CONSTRAINTS IN UTILISATION OF POTENTIAL

(In Number)

S.No.	State	No. of Surface Flow Schemes having Constraints in utilisation of potential										
		No. of Schemes in use	No. of Schemes without constraints	Inadequate power supply	Mechanical Break Down	Less Discharge of Water	Storage not filled up fully	Siltation of Canal/ Storage	Channel Break Down	Others	Total (5 to 11)	Grand Total (4 + 12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1	ANDAMAN & NICOBAR ISLANDS	64	57	0	0	0	0	0	0	7	7	64
2	ANDHRA PRADESH	37467	29479	114	11	256	6905	390	58	254	7988	37467
3	ARUNACHAL PRADESH	2495	1997	0	7	73	3	128	143	144	498	2495
4	ASSAM	1768	1734	1	0	2	0	0	0	31	34	1768
5	BIHAR	4466	3675	137	104	121	247	38	8	136	791	4466
6	CHHATISGARH	4142	2854	90	200	188	292	64	49	405	1288	4142
7	GOA	1018	917	0	1	60	5	0	2	33	101	1018
8	GUJARAT	24116	24115	1	0	0	0	0	0	0	1	24116
9	HARYANA	98	58	16	4	10	5	0	3	2	40	98
10	HIMACHAL PRADESH	20944	19049	37	59	195	528	26	264	786	1895	20944
11	JAMMU & KASHMIR	2537	2467	2	2	3	3	11	2	47	70	2537
12	JHARKHAND	69436	50286	2638	1043	3387	5192	3348	163	3379	19150	69436
13	KARNATAKA	73615	64892	4667	525	2264	473	337	8	449	8723	73615
14	KERALA	8068	7748	60	4	70	39	43	8	96	320	8068
15	MADHYA PRADESH	18761	18432	33	49	44	26	2	2	168	324	18756
16	MAHARASHTRA	98498	57902	349	33516	548	322	2846	476	2539	40596	98498
17	MANIPUR	596	526	0	1	0	1	65	1	2	70	596
18	MEGHALAYA	4199	4060	2	0	4	6	8	2	117	139	4199
19	MIZORAM	2362	2245	0	1	16	9	1	87	3	117	2362
20	NAGALAND	17789	17106	2	38	88	1	121	347	86	683	17789
21	ODISHA	28793	22355	383	400	423	861	789	273	3309	6438	28793
22	PUDUCHERRY	703	280	138	0	257	0	1	0	27	423	703

(In Number)

S.No.	State	No. of Surface Flow Schemes having Constraints in utilisation of potential										
		No. of Schemes in use	No. of Schemes without constraints	Inadequate power supply	Mechanical Break Down	Less Discharge of Water	Storage not filled up fully	Siltation of Canal/ Storage	Channel Break Down	Others	Total (5 to 11)	Grand Total (4 + 12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
23	PUNJAB	275	264	9	1	0	0	0	0	1	11	275
24	RAJASTHAN	2405	2050	30	15	107	131	13	2	57	355	2405
25	SIKKIM	979	977	0	0	0	0	0	2	0	2	979
26	TAMIL NADU	33491	26136	1400	900	1288	2094	92	35	1546	7355	33491
27	TELENGANA	55166	42909	148	109	3602	6422	523	191	1262	12257	55166
28	TRIPURA	338	338	0	0	0	0	0	0	0	0	338
29	UTTARAKHAND	26699	21048	207	27	209	48	150	4145	865	5651	26699
30	UTTAR PRADESH	4265	2863	144	519	271	99	25	3	341	1402	4265
31	WEST BENGAL	16375	13024	690	137	187	0	0	16	1290	2320	15344
	Total	561928	441843	11298	37673	13673	23712	9021	6290	18418	120085	561928

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.16.1: NUMBER AND STORAGE CAPACITY OF RESERVOIRS IN SURFACE FLOW SCHEMES

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDAMAN & NICOBAR ISLANDS	5	12711.00	0	0.00	0	0.00	5	12711.00
2	ANDHRA PRADESH	322	20096866.00	20	6001307.00	1	5.00	343	26098178.00
3	ARUNACHAL PRADESH	4	39.00	3	48.24	0	0.00	7	87.24
4	ASSAM	31	82.70	11	18.00	1	2.00	43	102.70
5	BIHAR	755	4973362.97	2	905.00	9	1248.30	766	4975516.27
6	CHHATISGARH	774	69515920.97	5	191291.00	3	6001.00	782	69713212.97
7	GOA	68	60241.68	0	0.00	0	0.00	68	60241.68
8	GUJARAT	538	1710420263.33	0	0.00	0	0.00	538	1710420263.33
9	HARYANA	19	70.00	0	0.00	0	0.00	19	70.00
10	HIMACHAL PRADESH	79	14869.31	2	1.15	2	208.00	83	15078.46
11	JAMMU & KASHMIR	22	16147.00	0	0.00	1	11.00	23	16158.00
12	JHARKHAND	2511	17889250.24	58	556056.15	22	39115.56	2591	18484421.95
13	KARNATAKA	20717	537099.05	10	34.00	12	9817.00	20739	546950.05
14	KERALA	11	18294653.00	0	0.00	0	0.00	11	18294653.00
15	MADHYA PRADESH	2337	12478232.35	42	59943.21	8	23536.00	2387	12561711.56
16	MAHARASHTRA	25770	183253043.65	186	320.21	27	1310378.00	25983	184563741.86
17	MEGHALAYA	38	58345.64	3	2446.00	0	0.00	41	60791.64
18	MIZORAM	11	710.00	5	290.00	0	0.00	16	1000.00
19	NAGALAND	4	1803.00	0	0.00	0	0.00	4	1803.00
20	ODISHA	1248	172294852.57	27	803843.77	18	220909.00	1293	173319605.34
21	PUDUCHERRY	217	684529.07	0	0.00	0	0.00	217	684529.07
22	PUNJAB	65	107.56	1	1.00	20	20.00	86	128.56
23	RAJASTHAN	654	50340052.73	4	529205.00	4	66804.00	662	50936061.73
24	TAMIL NADU	48	107187789.00	2	7905800.00	1	1647200.00	51	116740789.00

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
25	TELENGANA	395	33897687.27	13	1328360.50	7	78547.07	415	35304594.84
26	UTTARAKHAND	234	6554.85	7	114.00	17	1781.00	258	8449.85
27	UTTAR PRADESH	629	2802735.00	7	192131.00	13	5510.00	649	3000376.00
28	WEST BENGAL	580	889070.00	29	44419.00	14	21770.00	623	955259.00
	Total	58086	2405727088.94	437	17616534.23	180	3432862.93	58703	2426776486.10

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.16.2: NUMBER AND STORAGE CAPACITY OF TANK/PONDS IN SURFACE FLOW SCHEMES

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDAMAN & NICOBAR ISLANDS	36	39403.75	1	1354.00	1	1350.00	38	42107.75
2	ANDHRA PRADESH	33433	2361470433.00	8250	443928137.00	813	53359731.00	42496	2858758301.00
3	ARUNACHAL PRADESH	4	2846.45	1	10.00	0	0.00	5	2856.45
4	ASSAM	126	564.09	7	132.37	4	6.70	137	703.16
5	BIHAR	1830	4845591.78	21	37619.00	29	7115.57	1880	4890326.35
6	CHHATISGARH	2048	16943572033	39	2674376.00	22	96629.00	2109	172206725.33
7	GOA	318	784736.68	1	5.00	6	151.05	325	784892.73
8	HARYANA	17	61.00	0	0.00	0	0.00	17	61.00
9	HIMACHAL PRADESH	11923	563951.38	88	1602.35	62	1186.55	12073	566740.28
10	JAMMU & KASHMIR	172	13515.00	0	0.00	0	0.00	172	13515.00
11	JHARKHAND	59859	719687453.79	1403	11951454.76	453	2882468.66	61715	734521377.21
12	KARNATAKA	30150	15723649.83	1153	1072849.71	100	21992.30	31403	16818491.84
13	KERALA	4000	18485922.32	66	142124.31	13	48207.21	4079	18676253.84
14	MADHYA PRADESH	7877	33292667.93	200	465837.29	174	449149.75	8251	34207654.97
15	MAHARASHTRA	22221	143152805.90	81	63640.00	19	80874.00	22321	143297319.90
16	MANIPUR	23	209956.05	2	8223.00	0	0.00	25	218179.05
17	MEGHALAYA	741	812891.00	3	670.00	0	0.00	744	813561.00
18	MIZORAM	1688	69978.41	8	194.77	3	95.00	1699	70268.18
19	NAGALAND	101	1170.00	7	10.00	1	2.00	109	1182.00
20	ODISHA	15875	603970325.67	339	22068440.79	153	2933206.20	16367	628971972.66
21	PUDUCHERRY	10	20812.00	0	0.00	0	0.00	10	20812.00
22	PUNJAB	12	33.00	1	1.00	3	274.37	16	308.37
23	RAJASTHAN	839	273414307.11	171	70904701.71	10	9736005.00	1020	354055013.82
24	TAMIL NADU	27359	423290213.77	4120	69334936.92	942	14689545.48	32421	507314696.17

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
25	TELENGANA	37151	3464606110.81	3650	219060333.12	2236	67215621.46	43037	3750882065.39
26	UTTARAKHAND	4409	537442.98	1277	171424.10	630	60079.58	6316	768946.66
27	UTTAR PRADESH	1364	4671739.40	30	100921.00	34	1540.00	1428	4774200.40
28	WEST BENGAL	12448	18745535.50	260	404045.00	127	191190.00	12835	19340770.50
	Total	276034	8257849838.93	21179	842393043.20	5835	151776420.88	303048	9252019303.01

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.16.3: NUMBER AND STORAGE CAPACITY OF OTHER STORAGES IN SURFACE FLOW SCHEMES

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDHRA PRADESH	319	10913654.00	84	1256434.00	22	164889.00	425	12334977.00
2	ARUNACHAL PRADESH	1	0.15	0	0.00	0	0.00	1	0.15
3	ASSAM	26	28.63	2	242.00	0	0.00	28	270.63
4	BIHAR	895	4432989.06	3	4860.00	1	1.00	899	4437850.06
5	CHHATISGARH	250	11918118.00	4	3402.00	5	3011.00	259	11924531.00
6	GOA	5	1321.00	0	0.00	1	900.00	6	2221.00
7	HARYANA	26	89.00	0	0.00	0	0.00	26	89.00
8	HIMACHAL PRADESH	209	10013.79	22	116.46	1	4.00	232	10134.25
9	JAMMU & KASHMIR	11	105.00	0	0.00	0	0.00	11	105.00
10	JHARKHAND	1547	12774182.03	148	328037.63	48	118689.95	1743	13220909.61
11	KARNATAKA	7723	2273070.55	77	11751.40	7	19.00	7807	2284840.95
12	KERALA	107	2953128.90	3	12520.00	0	0.00	110	2965648.90
13	MADHYA PRADESH	857	2126944.19	23	23134.00	14	22624.00	894	2172702.19
14	MAHARASHTRA	9759	5915785.00	7	134.00	5	5.00	9771	5915924.00
15	MEGHALAYA	8	1698.00	0	0.00	0	0.00	8	1698.00
16	MIZORAM	9	342.00	0	0.00	1	8.00	10	350.00
17	NAGALAND	10	4278.00	1	2.00	1	2.00	12	4282.00
18	ODISHA	1080	49705470.77	54	417545.20	250	165059.20	1384	50288075.17
19	PUDUCHERRY	32	93857.40	0	0.00	0	0.00	32	93857.40
20	PUNJAB	4	4.00	0	0.00	1	1.00	5	5.00
21	RAJASTHAN	214	22782303.00	18	1226269.00	1	1620.00	233	24010192.00
22	TAMIL NADU	1864	29020811.10	321	4894397.31	50	375090.57	2235	34290298.98
23	TELENGANA	505	8729717.48	20	424258.67	12	41013.00	537	9194989.15
24	UTTARAKHAND	377	6486.77	54	2233.50	30	6901.00	461	15621.27

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
25	UTTAR PRADESH	532	749086.60	5	603.00	15	9015.49	552	758705.09
26	WEST BENGAL	94	156210.00	12	19540.00	8	10440.00	114	186190.00
	Total	26464	164569694.42	858	8625480.17	473	919293.21	27795	174114467.80

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.16.4: NUMBER AND STORAGE CAPACITY OF RESERVOIR/TANKS/PONDS/OTHER STORAGES IN SURFACE FLOW SCHEMES

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDAMAN & NICOBAR ISLANDS	41	52114.75	1	1354.00	1	1350.00	43	54818.75
2	ANDHRA PRADESH	34074	2392480953.00	8354	451185878.00	836	53524625.00	43264	2897191456.00
3	ARUNACHAL PRADESH	9	2885.60	4	58.24	0	0.00	13	2943.84
4	ASSAM	183	675.42	20	392.37	5	8.70	208	1076.49
5	BIHAR	3480	14251943.81	26	43384.00	39	8364.87	3545	14303692.68
6	CHHATISGARH	3072	250869759.30	48	2869069.00	30	105641.00	3150	253844469.30
7	GOA	391	846299.36	1	5.00	7	1051.05	399	847355.41
8	GUJARAT	538	1710420263.33	0	0.00	0	0.00	538	1710420263.33
9	HARYANA	62	220.00	0	0.00	0	0.00	62	220.00
10	HIMACHAL PRADESH	12211	588834.48	112	1719.96	65	1398.55	12388	591952.99
11	JAMMU & KASHMIR	205	29767.00	0	0.00	1	11.00	206	29778.00
12	JHARKHAND	63917	750350886.06	1609	12835548.54	523	3040274.17	66049	766226708.77
13	KARNATAKA	58590	18533819.43	1240	1084635.11	119	31828.30	59949	19650282.84
14	KERALA	4118	39733704.22	69	154644.31	13	48207.21	4200	39936555.74
15	MADHYA PRADESH	11071	47897844.47	265	548914.50	196	495309.75	11532	48942068.72
16	MAHARASHTRA	57750	332321634.55	274	64094.21	51	1391257.00	58075	333776985.76
17	MANIPUR	23	209956.05	2	8223.00	0	0.00	25	218179.05
18	MEGHALAYA	787	872934.64	6	3116.00	0	0.00	793	876050.64
19	MIZORAM	1708	71030.41	13	484.77	4	103.00	1725	71618.18
20	NAGALAND	115	7251.00	8	12.00	2	4.00	125	7267.00
21	ODISHA	18203	825970649.01	420	23289829.76	421	3319174.40	19044	852579653.17
22	PUDUCHERRY	259	799198.47	0	0.00	0	0.00	259	799198.47
23	PUNJAB	81	144.56	2	2.00	24	295.37	107	441.93

(Storage capacity in Cubic Meters)

S.No.	State	In use		Temporarily not in use		Permanently not in use		Total	
		No.	Storage capacity	No.	Storage capacity	No.	Storage capacity	No. (3 + 5 +7)	Storage capacity (4 + 6 + 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
24	RAJASTHAN	1707	346536662.84	193	72660175.71	15	9804429.00	1915	429001267.55
25	TAMIL NADU	29271	559498813.87	4443	82135134.23	993	16711836.05	34707	658345784.15
26	TELENGANA	38051	3507233515.56	3683	220812952.29	2255	67335181.53	43989	3795381649.38
27	UTTARAKHAND	5020	550484.60	1338	173771.60	677	68761.58	7035	793017.78
28	UTTAR PRADESH	2525	8223561.00	42	293655.00	62	16065.49	2629	8533281.49
29	WEST BENGAL	13122	19790815.50	301	468004.00	149	223400.00	13572	20482219.50
	Total	360584	10828146622.29	22474	868635057.60	6488	156128577.02	389546	11852910256.91

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.16.5: DISTRIBUTION OF TANKS/RESERVOIR & OTHER STORAGE OF SURFACE FLOW SCHEMES BY STORAGE SIZE

(In Number)

S.No.	State	No. of Tanks/Reservoir & Other Storages by Designed storage					
		Not Available or Zero	More than 0 and upto 100 cubic mts	More than 100 and upto 1000 cubic mts	More than 1000 and upto 10000 cubic mts	More than 10000 cubic mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	0	0	13	30	0	43
2	ANDHRA PRADESH	0	11474	4994	7574	19222	43264
3	ARUNACHAL PRADESH	0	11	1	1	0	13
4	ASSAM	0	204	4	0	0	208
5	BIHAR	0	2432	101	827	185	3545
6	CHHATISGARH	0	1378	348	420	1004	3150
7	GOA	0	161	180	33	25	399
8	GUJARAT	0	2	0	5	531	538
9	HARYANA	0	62	0	0	0	62
10	HIMACHAL PRADESH	0	11954	419	14	1	12388
11	JAMMU & KASHMIR	0	186	15	5	0	206
12	JHARKHAND	0	10301	9877	35798	10073	66049
13	KARNATAKA	0	58465	785	458	241	59949
14	KERALA	0	728	1790	1374	308	4200
15	MADHYA PRADESH	0	3439	2942	5036	115	11532
16	MAHARASHTRA	0	52340	2554	1313	1868	58075
17	MANIPUR	0	0	3	18	4	25
18	MEGHALAYA	0	252	372	164	5	793
19	MIZORAM	0	1664	60	1	0	1725
20	NAGALAND	0	121	1	3	0	125
21	ODISHA	0	2071	2246	6769	7958	19044
22	PUDUCHERRY	0	7	33	218	1	259
23	PUNJAB	0	106	1	0	0	107

(In Number)

S.No.	State	No. of Tanks/Reservoir & Other Storages by Designed storage					
		Not Available or Zero	More than 0 and upto 100 cubic mts	More than 100 and upto 1000 cubic mts	More than 1000 and upto 10000 cubic mts	More than 10000 cubic mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	RAJASTHAN	0	162	568	698	487	1915
25	TAMIL NADU	0	22855	4440	5102	2310	34707
26	TELENGANA	0	20682	3016	4219	16072	43989
27	UTTARAKHAND	0	6966	34	10	25	7035
28	UTTAR PRADESH	0	1819	302	445	63	2629
29	WEST BENGAL	0	0	2961	10611	0	13572
	Total	0	209842	38060	81146	60498	389546

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.17: DISTRIBUTION OF TANKS/RESERVOIR & OTHER STORAGE OF SURFACE FLOW SCHEMES BY CCA CLASSES

(In Number)

S.No.	State	No. of Public Tanks/Reservoirs & Other Storages by CCA Classes							No. of Private Tanks/Reservoirs & Other Storages by CCA Classes						
		CCA Classes							CCA Classes						
		0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (3 to 8)	0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	21	0	0	0	0	0	21	20	0	0	0	0	0	20
2	ANDHRA PRADESH	32930	4223	2719	1067	55	15	41009	1865	43	29	17	1	0	1955
3	ARUNACHAL PRADESH	3	5	2	1	0	0	11	1	0	1	0	0	0	2
4	ASSAM	31	18	30	89	8	6	182	22	0	1	1	1	0	25
5	BIHAR	1252	167	94	46	0	0	1559	1034	65	88	27	0	0	1214
6	CHHATISGARH	970	102	105	46	5	0	1228	1651	56	31	24	0	0	1762
7	GOA	60	4	0	0	0	0	64	325	2	0	1	0	0	328
8	GUJARAT	173	272	55	34	3	0	537	0	0	0	0	0	0	0
9	HARYANA	1	0	0	0	0	0	1	59	0	0	0	0	0	59
10	HIMACHAL PRADESH	6704	18	15	0	0	0	6737	5617	4	5	0	0	0	5626
11	JAMMU & KASHMIR	71	13	10	2	0	0	96	93	15	1	0	0	0	109
12	JHARKHAND	29901	604	234	48	0	0	30787	27546	179	125	16	1	0	27867
13	KARNATAKA	14548	254	123	44	0	0	14969	28994	88	40	10	0	0	29132
14	KERALA	1623	114	51	14	0	0	1802	2158	31	18	0	0	0	2207
15	MADHYA PRADESH	1451	257	317	273	17	12	2327	501	40	25	9	1	0	576
16	MAHARASHTRA	6601	863	350	346	22	5	8187	47462	142	212	75	10	3	47904
17	MANIPUR	24	1	0	0	0	0	25	0	0	0	0	0	0	0
18	MEGHALAYA	157	7	3	6	0	0	173	561	22	27	3	0	0	613
19	MIZORAM	11	16	16	1	0	0	44	1658	10	13	0	0	0	1681
20	NAGALAND	21	2	0	0	0	0	23	96	2	2	0	0	0	100

(In Number)

S.No.	State	No. of Public Tanks/Reservoirs & Other Storages by CCA Classes							No. of Private Tanks/Reservoirs & Other Storages by CCA Classes						
		CCA Classes							CCA Classes						
		0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (3 to 8)	0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
21	ODISHA	10675	1120	1114	300	9	5	13223	5379	168	74	23	2	0	5646
22	PUDUCHERRY	111	93	52	1	0	0	257	0	2	0	0	0	0	2
23	PUNJAB	11	4	2	1	0	0	18	83	0	0	0	0	0	83
24	RAJASTHAN	307	143	129	106	7	13	705	1066	28	19	4	0	0	1117
25	TAMIL NADU	9770	1840	1674	558	20	14	13876	4629	167	197	41	1	2	5037
26	TELENGANA	20725	3467	2484	841	31	7	27555	3378	29	11	8	0	0	3426
27	UTTARAKHAND	6283	26	6	0	0	0	6315	699	0	1	0	0	0	700
28	UTTAR PRADESH	624	68	48	17	0	2	759	1074	17	10	1	0	2	1104
29	WEST BENGAL	2108	78	32	4	0	0	2222	10974	189	41	10	0	0	11214
	Total	147167	13779	9665	3845	177	79	174712	146945	1299	971	270	17	7	149509

MINOR IRRIGATION CENSUS (2017-18)

TABLE 5.18: DISTRIBUTION OF IN USE TANKS/ RESERVOIRS AND OTHER STORAGE IN SURFACE FLOW SCHEME

(In Number)

S.No.	State	No. of Tanks/Reservoirs & Other Storages with their IPC & IPU by CCA Class																				
		CCA Classes												CCA Classes								
		0 to 20 ha			20 to 40 ha			40 to 100 ha			100 to 500 ha			500 to 1000 ha			1000 to 2000 ha			Total		
		No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1	ANDAMAN & NICOBAR ISLANDS	41	48.20	27.73	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	41	48.20	27.73
2	ANDHRA PRADESH	34795	239754.94	153517.53	4266	134473.30	81271.92	2748	193439.35	111283.03	1084	236603.50	127554.19	56	42567.35	23110.98	15	26751.68	7891.00	42964	873590.12	504628.65
3	ARUNACHAL PRADESH	4	67.00	60.00	5	205.00	165.00	3	195.00	122.00	1	173.00	110.00	0	0.00	0.00	0	0.00	0.00	13	640.00	457.00
4	ASSAM	53	397.91	248.77	18	518.90	324.00	31	2444.40	1036.30	90	30624.56	12894.00	9	7921.00	2797.00	6	12329.00	4234.00	207	54235.77	21534.07
5	BIHAR	2286	14621.59	12802.15	232	7889.72	6295.44	182	15226.05	11020.91	73	14196.40	11447.40	0	0.00	0.00	0	0.00	0.00	2773	51933.76	41565.90
6	CHHATISGARH	2621	10920.26	8634.75	158	6075.79	3384.44	136	9797.99	6488.01	70	15461.71	9789.52	5	3639.00	2521.00	0	0.00	0.00	2990	45894.75	30817.72
7	GOA	385	561.88	528.02	6	161.00	115.00	0	0.00	0.00	1	120.00	0.00	0	0.00	0.00	0	0.00	0.00	392	842.88	643.02
8	GUJARAT	173	2857.07	2570.08	272	8746.78	7901.31	55	4344.51	3710.38	34	8123.02	7136.41	3	2624.50	2393.35	0	0.00	0.00	537	26695.88	23711.53
9	HARYANA	60	750.62	750.62	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	60	750.62	750.62
10	HIMACHAL PRADESH	12321	12211.60	10791.99	22	972.07	854.72	20	1708.52	1616.61	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	12363	14892.19	13263.32
11	JAMMU & KASHMIR	164	885.27	871.00	28	897.14	897.14	11	812.00	781.00	2	295.00	295.00	0	0.00	0.00	0	0.00	0.00	205	2889.41	2844.14
12	JHARKHAND	57447	179613.13	132639.22	783	24819.20	17608.49	359	22829.44	12921.70	64	12277.57	7674.59	1	583.65	583.65	0	0.00	0.00	58654	240122.99	171427.65
13	KARNATAKA	43542	111243.46	109545.67	342	10879.54	10111.40	163	10801.89	9877.26	54	10331.24	9890.89	0	0.00	0.00	0	0.00	0.00	44101	143256.13	139425.22
14	KERALA	3781	11952.04	11415.70	145	4058.80	3853.34	69	4300.74	4122.88	14	3063.65	3040.65	0	0.00	0.00	0	0.00	0.00	4009	23375.23	22432.57
15	MADHYA PRADESH	1952	13378.42	12870.30	297	9628.59	9069.03	342	24860.67	23471.85	282	65587.12	60948.55	18	13656.46	11496.40	12	22590.40	18844.00	2903	149701.66	136700.13
16	MAHARASHTRA	54063	135775.17	113494.58	1005	34437.94	30743.18	562	39965.30	35271.18	421	123464.68	113809.77	32	21755.20	20552.00	8	17426.00	12881.00	56091	372824.29	326751.71
17	MANIPUR	24	162.00	154.00	1	26.00	22.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	25	188.00	176.00
18	MEGHALAYA	718	3875.66	3651.03	29	1254.71	1215.71	30	2299.00	2269.00	9	1773.00	1720.00	0	0.00	0.00	0	0.00	0.00	786	9202.37	8855.74
19	MIZORAM	1669	4679.56	2708.81	26	1355.00	621.60	29	3047.00	997.00	1	260.00	117.00	0	0.00	0.00	0	0.00	0.00	1725	9341.56	4444.41
20	NAGALAND	117	505.41	310.87	4	101.00	50.00	2	120.00	57.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	123	726.41	417.87
21	ODISHA	16054	120779.27	88009.71	1288	45614.82	31343.64	1188	89896.99	49656.80	323	81484.40	44045.44	11	10606.00	2901.00	5	8248.00	5758.00	18869	356629.48	221714.59
22	PUDUCHERRY	111	1244.44	1244.44	95	2819.54	2746.93	52	2679.80	2657.65	1	100.40	100.40	0	0.00	0.00	0	0.00	0.00	259	6844.18	6749.42
23	PUNJAB	94	394.20	330.56	4	213.06	213.06	2	254.00	254.00	1	288.00	288.00	0	0.00	0.00	0	0.00	0.00	101	1149.26	1085.62
24	RAJASTHAN	1373	4557.68	3557.54	171	5634.84	3188.96	148	12135.63	6482.67	110	25882.15	15673.17	7	6076.35	4356.35	13	22705.80	8138.83	1822	76992.45	41397.52
25	TAMIL NADU	14399	68960.58	55248.92	2007	60584.84	47747.04	1871	124176.03	95838.62	599	122568.57	91964.13	21	14562.00	9789.50	16	20628.02	12763.46	18913	411480.04	313351.67
26	TELENGANA	24103	208889.11	126892.13	3496	134704.62	87294.26	2495	214900.12	145893.77	849	227316.57	158563.15	31	31504.87	20709.64	7	16729.81	14121.81	30981	834045.10	553474.76
27	UTTARAKHAND	6982	24006.80	17820.54	26	1162.80	1021.00	7	610.00	587.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	7015	25779.60	19428.54
28	UTTAR PRADESH	1698	8022.03	6975.54	85	3200.70	2896.40	58	5393.50	4919.50	18	4598.00	4001.50	0	0.00	0.00	4	592000	5920.00	1863	27134.23	24712.94
29	WEST BENGAL	13082	85948.71	66418.31	267	10233.40	7856.21	73	5838.11	4311.16	14	3681.19	2554.64	0	0.00	0.00	0	0.00	0.00	13436	105701.41	81140.32
	Total	294112	1267064.01	944090.51	15078	510669.10	358811.22	10636	792076.04	535647.28	4115	988273.73	683618.40	194	155496.38	101210.87	86	153328.71	90552.10	324221	3866907.97	2713930.38

Surface Lift

Tables

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.1: NUMBER OF SURFACE LIFT SCHEMES BY TYPE

(In Number)

S.No.	State	Type of Surface Lift Schemes					
		On river	On stream	On drain/canal	On Tanks/ Ponds/ Reservoirs/check-dams	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	0	13	1	3409	6	3429
2	ANDHRA PRADESH	3702	3741	2032	578	552	10605
3	ARUNACHAL PRADESH	1	0	1	0	0	2
4	ASSAM	993	26	76	4806	1669	7570
5	BIHAR	1516	1719	452	795	377	4859
6	CHHATISGARH	5216	798	3668	1921	487	12090
7	GOA	344	74	90	456	108	1072
8	GUJARAT	1	0	0	17140	0	17141
9	HARYANA	42	254	322	19	0	637
10	HIMACHAL PRADESH	83	37	36	118	23	297
11	JAMMU & KASHMIR	64	19	1	1	16	101
12	JHARKHAND	1681	1755	302	12859	688	17285
13	KARNATAKA	28627	17316	2366	2591	1990	52890
14	KERALA	1308	1407	583	17345	1209	21852
15	MADHYA RADESH	14971	69	10849	6597	607	33093
16	MAHARASHTRA	103954	13450	8198	15774	97902	239278
17	MANIPUR	193	4	0	0	0	197
18	MEGHALAYA	0	1	0	1	1	3
19	NAGALAND	2	8	2	13	21	46
20	ODISHA	21805	4242	23623	12354	1875	63899
21	PUNJAB	386	285	712	13	12	1408
22	RAJASTHAN	1642	262	4112	3032	4427	13475
23	TAMIL NADU	708	904	635	1600	533	4380
24	TELENGANA	7561	13536	13961	2273	535	37866
25	TRIPURA	964	1063	89	6	44	2166
26	UTTARAKHAND	362	100	34	33	84	613
27	UTTAR PRADESH	5289	1385	8899	11256	961	27790
28	WEST BENGAL	3595	386	1344	15847	765	21937
	Total	205010	62854	82388	130837	114892	595981

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.2: DISTRIBUTION OF SURFACE LIFT SCHEMES ACCORDING TO OWNERSHIP

(In Number)

S.No.	State	No. of Surface Lift Schemes owned by								
		Public					Private			
		Govt. Owned	Coop Society	Panchayat Owned	Other	Total (3 to 6)	Group of Farmers	Individual Farmer	Total (8 to 9)	Grand Total (7 + 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	174	4	297	51	526	121	2782	2903	3429
2	ANDHRA PRADESH	700	25	53	54	832	1749	8024	9773	10605
3	ARUNACHAL PRADESH	1	0	0	0	1	1	0	1	2
4	ASSAM	508	2	4	97	611	2480	4479	6959	7570
5	BIHAR	723	264	570	377	1934	183	2742	2925	4859
6	CHHATISGARH	1507	114	259	228	2108	1257	8725	9982	12090
7	GOA	57	5	2	60	124	132	816	948	1072
8	GUJARAT	3	17128	7	0	17138	1	2	3	17141
9	HARYANA	44	30	3	0	77	180	380	560	637
10	HIMACHAL PRADESH	125	16	9	8	158	49	90	139	297
11	JAMMU & KASHMIR	92	0	0	4	96	2	3	5	101
12	JHARKHAND	6285	535	509	715	8044	1830	7411	9241	17285
13	KARNATAKA	3111	608	145	1189	5053	607	47230	47837	52890
14	KERALA	682	74	1217	806	2779	1750	17323	19073	21852
15	MADHYA PRADESH	12590	556	667	1879	15692	5608	11793	17401	33093
16	MAHARASHTRA	4036	992	68	35	5131	9146	225001	234147	239278
17	MANIPUR	197	0	0	0	197	0	0	0	197
18	MEGHALAYA	2	0	0	1	3	0	0	0	3
19	NAGALAND	2	0	0	3	5	22	19	41	46
20	ODISHA	6296	282	2155	342	9075	6007	48817	54824	63899
21	PUNJAB	12	14	7	4	37	4	1367	1371	1408
22	RAJASTHAN	3220	44	272	1179	4715	4595	4165	8760	13475
23	TAMILNADU	1374	497	746	213	2830	341	1209	1550	4380
24	TELENGANA	1484	54	50	12	1600	384	35882	36266	37866
25	TRIPURA	1536	0	2	0	1538	34	594	628	2166
26	UTTARAKHAND	414	33	136	14	597	8	8	16	613
27	UTTAR PRADESH	3347	322	4265	75	8009	375	19406	19781	27790
28	WEST BENGAL	3545	269	996	1958	6768	9406	5763	15169	21937
	Total	52067	21868	12439	9304	95678	46272	454031	500303	595981

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.3.1: DISTRIBUTION OF SURFACE LIFT SCHEMES ACCORDING TO SOCIAL STATUS OF OWNER

(In Number)

S.No.	State	No. of Surface lift Schemes owned by						Total (7 + 8)
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)	Owned by other than individual farmer (incl. Public & Group of farmers)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	0	1	1856	925	2782	647	3429
2	ANDHRA PRADESH	528	459	2339	4698	8024	2581	10605
3	ARUNACHAL PRADESH	0	0	0	0	0	2	2
4	ASSAM	20	97	276	4086	4479	3091	7570
5	BIHAR	193	68	1210	1271	2742	2117	4859
6	CHHATISGARH	379	5102	2346	898	8725	3365	12090
7	GOA	22	164	145	485	816	256	1072
8	GUJARAT	0	0	2	0	2	17139	17141
9	HARYANA	92	5	176	107	380	257	637
10	HIMACHAL PRADESH	14	1	3	72	90	207	297
11	JAMMU & KASHMIR	2	0	0	1	3	98	101
12	JHARKHAND	526	4627	1648	610	7411	9874	17285
13	KARNATAKA	3247	1838	13544	28601	47230	5660	52890
14	KERALA	346	170	6294	10513	17323	4529	21852
15	MADHYA PRADESH	685	2924	6643	1541	11793	21300	33093
16	MAHARASHTRA	34259	48407	53779	88556	225001	14277	239278
17	MANIPUR	0	0	0	0	0	197	197
18	MEGHALAYA	0	0	0	0	0	3	3
19	NAGALAND	0	19	0	0	19	27	46
20	ODISHA	6511	12199	19253	10854	48817	15082	63899
21	PUNJAB	106	8	32	1221	1367	41	1408
22	RAJASTHAN	483	1045	1902	735	4165	9310	13475
23	TAMIL NADU	225	13	728	243	1209	3171	4380
24	TELENGANA	3385	4677	20272	7548	35882	1984	37866
25	TRIPURA	99	154	103	238	594	1572	2166
26	UTTARAKHAND	0	0	3	5	8	605	613
27	UTTAR PRADESH	3645	359	10734	4668	19406	8384	27790
28	WEST BENGAL	1430	396	700	3237	5763	16174	21937
	Total	56197	82733	143988	171113	454031	141950	595981

TABLE 6.3.2: DISTRIBUTION OF SURFACE LIFT SCHEMES ACCORDING TO SOCIAL STATUS OF FEMALE OWNER

(In Number)

S.No.	State	No. of Surface lift Schemes owned by				
		Scheduled Caste	Scheduled Tribe	OBC	Others	Total (3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	ANDAMAN & NICOBAR ISLANDS	0	0	309	178	487
2	ANDHRA PRADESH	68	108	332	635	1143
3	ASSAM	5	38	10	1564	1617
4	BIHAR	5	11	27	89	132
5	CHHATISGARH	55	533	197	143	928
6	GOA	2	18	17	47	84
7	HARYANA	6	0	0	6	12
8	HIMACHAL PRADESH	0	0	0	2	2
9	JHARKHAND	20	211	68	14	313
10	KARNATAKA	478	338	1655	3688	6159
11	KERALA	50	37	1048	1356	2491
12	MADHYA PRADESH	591	2410	5489	1172	9662
13	MAHARASHTRA	6798	5855	11572	34852	59077
14	NAGALAND	0	2	0	0	2
15	ODISHA	130	172	239	115	656
16	PUNJAB	4	2	2	7	15
17	RAJASTHAN	131	89	205	111	536
18	TAMIL NADU	23	1	87	35	146
19	TELENGANA	526	765	3116	1118	5525
20	TRIPURA	2	6	3	1	12
21	UTTAR PRADESH	145	25	362	377	909
22	WEST BENGAL	66	16	23	100	205
	Total	9105	10637	24761	45610	90113

TABLE 6.4: DISTRIBUTION OF SURFACE LIFT SCHEMES ACCORDING TO THE INDIVIDUAL OWNER'S HOLDING SIZE

(In Number)

S.No.	State	No. of Surface Lift Schemes by size of class of owner					
		Marginal (0-1 ha)	Small (1-2 ha)	Semi-Medium (2- 4 ha)	Medium (4-10 ha)	Big (>=10 ha)	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	491	979	916	393	3	2782
2	ANDHRA PRADESH	2779	2848	1693	632	72	8024
3	ASSAM	3912	308	157	41	61	4479
4	BIHAR	53	456	626	1248	359	2742
5	CHHATISGARH	1650	2775	2395	1606	299	8725
6	GOA	383	208	104	89	32	816
7	GUJARAT	0	1	1	0	0	2
8	HARYANA	51	42	210	74	3	380
9	HIMACHAL PRADESH	21	50	14	5	0	90
10	JAMMU & KASHMIR	0	3	0	0	0	3
11	JHARKHAND	1531	3482	1739	529	130	7411
12	KARNATAKA	4652	17610	11846	8304	4818	47230
13	KERALA	11623	3364	1524	597	215	17323
14	MADHYA PRADESH	2808	3286	3216	2106	377	11793
15	MAHARASHTRA	32809	146359	29124	14030	2679	225001
16	NAGALAND	0	0	3	4	12	19
17	ODISHA	10753	15654	13341	8057	1012	48817
18	PUNJAB	64	212	385	515	191	1367
19	RAJASTHAN	565	968	1373	1037	222	4165
20	TAMIL NADU	407	284	89	52	377	1209
21	TELENGANA	19118	9907	5338	1324	195	35882
22	TRIPURA	374	161	40	17	2	594
23	UTTARAKHAND	0	2	5	1	0	8
24	UTTAR PRADESH	4789	7463	5270	1549	335	19406
25	WEST BENGAL	4278	1059	289	137	0	5763
	Total	103111	217481	79698	42347	11394	454031

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TABLE 6.5: DISTRIBUTION OF SURFACE LIFT SCHEMES AND COST OF CONSTRUCTION

(In Rs. 000)

S.No.	State	Number and Cost of Construction of Surface Lift Schemes commissioned during the period/year											
		Up to 2013-14		2014-15		2015-16		2016-17		2017-18		Total	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	ANDAMAN & NICOBAR ISLANDS	2801	230452	167	15981	186	18927	129	14609	146	13608	3429	293577
2	ANDHRA PRADESH	8573	945132	1192	94322	227	20936	230	24393	383	57158	10605	1141941
3	ARUNACHAL PRADESH	1	200	1	1000	0	0	0	0	0	0	2	1200
4	ASSAM	5723	1666002	1203	180506	178	24210	243	49624	223	323743	7570	2244085
5	BIHAR	2100	76663	669	18442	296	5171	224	12118	1570	21170	4859	133565
6	CHHATISGARH	7445	154092	2007	27404	1111	16901	745	11063	782	10530	12090	219991
7	GOA	922	29998	54	2144	27	1614	36	843	33	1369	1072	35969
8	GUJARAT	2	3187	1	4000	3	260	3	91	17132	0	17141	7538
9	HARYANA	542	18927	8	167	6	34	2	0	79	3573	637	22701
10	HIMACHAL PRADESH	245	249589	19	18027	15	2342	10	10700	8	2247	297	282905
11	JAMMU & KASHMIR	87	4931	12	453	2	59	0	0	0	0	101	5443
12	JHARKHAND	11831	1893249	2018	364316	1297	222751	1474	217177	665	159775	17285	2857267
13	KARNATAKA	32602	2228314	6885	545993	3410	286784	3386	295304	6607	454633	52890	3811027
14	KERALA	17486	812536	1632	72407	970	56801	747	58996	1017	56229	21852	1056969
15	MADHYA PRADESH	24933	4141428	3177	396757	1943	200425	1474	157515	1566	166258	33093	5062384
16	MAHARASHTRA	157306	7983470	25571	1516520	30809	1810173	25457	1563688	135	4158	239278	12878009
17	MANIPUR	121	229431	45	94532	7	16761	15	40816	9	20608	197	402148
18	MEGHALAYA	1	664	1	700	0	0	0	0	1	53	3	1416
19	NAGALAND	46	12157	0	0	0	0	0	0	0	0	46	12157
20	ODISHA	40737	1964343	12168	335780	6688	182736	2756	130891	1550	114832	63899	2728583
21	PUNJAB	1281	32389	87	2343	31	611	1	28	8	230	1408	35600
22	RAJASTHAN	8916	517616	1419	127659	1364	126068	936	78790	840	5867	13475	905999
23	TAMIL NADU	2796	129416	700	38047	390	25607	201	9347	293	7849	4380	210266
24	TELENGANA	27157	724682	4553	120809	1905	50135	1270	28054	2981	60991	37866	984672
25	TRIPURA	1575	2140022	85	17033	91	1746	148	6258	267	3562	2166	2168621
26	UTTARAKHAND	574	233793	24	5873	5	3049	6	19300	4	375	613	262390
27	UTTAR PRADESH	22283	753792	1731	42315	1344	41020	782	38610	1650	36248	27790	911985
28	WEST BENGAL	16260	4171769	2631	705857	1059	250452	714	168920	1273	274196	21937	5571193
	Total	394346	31348243	68060	4749388	53364	3365572	40989	2937136	39222	1849262	595981	44249601

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.6.1: DISTRIBUTION OF SURFACE LIFT SCHEMES BY COST OF MAINTENANCE IN THE REFERENCE YEAR

(In Number)

S.No.	State	No. of Surface Lift Schemes according to the annual cost of maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	3277	137	15	0	0	3429
2	ANDHRA PRADESH	4722	4854	862	50	117	10605
3	ARUNACHAL PRADESH	2	0	0	0	0	2
4	ASSAM	4794	2328	446	1	1	7570
5	BIHAR	3228	1165	462	4	0	4859
6	CHHATISGARH	11489	554	40	5	2	12090
7	GOA	634	405	30	3	0	1072
8	GUJARAT	17134	2	3	2	0	17141
9	HARYANA	401	20	216	0	0	637
10	HIMACHAL PRADESH	266	16	5	4	6	297
11	JAMMU & KASHMIR	60	37	2	2	0	101
12	JHARKHAND	17010	213	51	7	4	17285
13	KARNATAKA	28833	15603	7251	1199	4	52890
14	KERALA	19453	2091	268	23	17	21852
15	MADHYA PRADESH	22416	7240	2714	555	168	33093
16	MAHARASHTRA	234629	1961	2686	2	0	239278
17	MANIPUR	197	0	0	0	0	197
18	MEGHALAYA	2	1	0	0	0	3
19	NAGALAND	24	18	4	0	0	46
20	ODISHA	55667	6926	1195	107	4	63899
21	PUNJAB	1262	124	17	5	0	1408
22	RAJASTHAN	10651	2433	357	32	2	13475
23	TAMIL NADU	1841	1773	731	35	0	4380

(In Number)

S.No.	State	No. of Surface Lift Schemes according to the annual cost of maintenance					
		Upto Rs. 1000	Rs. 1000 to 10000	Rs. 10000 to 50000	Rs. 50000 to 100000	More than Rs. 100000	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	TELENGANA	15265	20512	2002	87	0	37866
25	TRIPURA	584	265	1267	39	11	2166
26	UTTARAKHAND	511	58	26	16	2	613
27	UTTAR PRADESH	22908	4445	362	75	0	27790
28	WEST BENGAL	6006	13999	221	1711	0	21937
	Total	483266	87180	21233	3964	338	595981

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Table.6.6.2: AVERAGE COST OF CONSTRUCTION, MACHINERY, ANNUAL MAINTENANCE AND AVERAGE AMOUNT OF SUBSIDY RECEIVED FOR SURFACE LIFT SCHEMES

(Amount in thousand)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Surface lift for which subsidy was received	Average amount of subsidy	No. of Surface lift for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	86	5	0	492	106	19	11
2	ANDHRA PRADESH	108	72	14	797	163	977	66
3	ARUNACHAL PRADESH	600	58	0	0	0	0	0
4	ASSAM	296	14	2	132	2	313	9
5	BIHAR	27	12	3	1617	8	1424	1
6	CHHATISGARH	18	20	0	695	43	1780	15
7	GOA	34	17	3	54	35	71	17
8	GUJARAT	0	13	0	1	0	2	5
9	HARYANA	36	30	5	17	7	16	6
10	HIMACHAL PRADESH	953	207	26	60	752	28	221
11	JAMMU & KASHMIR	54	29	3	3	5	2	6
12	JHARKHAND	165	8	0	12052	163	4483	17
13	KARNATAKA	72	44	8	4763	45	4940	23
14	KERALA	48	16	2	809	51	973	8
15	MADHYA PRADESH	153	59	8	6075	53	6634	41
16	MAHARASHTRA	54	22	1	8401	52	8234	9
17	MANIPUR	2041	440	0	0	0	0	0
18	MEGHALAYA	472	7	3	0	0	0	0
19	NAGALAND	264	9	4	7	42	0	0
20	ODISHA	43	27	1	9984	96	12584	37

(Amount in thousand)

S.No.	State	Average cost of construction	Average cost of Machinery	Average cost of annual maintenance during 2017-18	Subsidy for Construction		Subsidy for Machinery	
					No. of Surface lift for which subsidy was received	Average amount of subsidy	No. of Surface lift for which subsidy was received	Average amount of subsidy for machinery
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
21	PUNJAB	25	14	1	248	5	225	0
22	RAJASTHAN	67	37	2	5095	51	6800	14
23	TAMIL NADU	48	17	8	2031	26	1935	9
24	TELENGANA	26	25	3	1234	13	1566	6
25	TRIPURA	1001	197	19	77	13	101	12
26	UTTARAKHAND	428	150	4	139	413	70	128
27	UTTAR PRADESH	33	21	1	1177	33	519	4
28	WEST BENGAL	254	28	11	4801	21	5310	3
	Total	74	28	3	60761	78	59006	21

TABLE 6.7: DISTRIBUTION OF SURFACE LIFT SCHEMES UNDER INDIVIDUAL OWNERSHIP ACCORDING TO MAJOR SOURCE OF FINANCE

(In Number)

S. No.	State	With Single Source of Finance						With Two Sources of Finance								Grand Total (8 +16)
		Bank Loan	Govt. Fund	Own Saving	Money Lender	Others	Total (3 to 7)	Own Saving & Bank Loan	Own Saving &Govt Fund	Own Saving & Money Lender	Bank Loan &Govt Fund	Bank Loan & Money Lender	Govt Fund& Money Lender	Others	Total (9 to 15)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	6	411	1286	1	19	1723	11	143	3	12	0	1	889	1059	2782
2	ANDHRA PRADESH	27	48	5808	307	280	6470	161	224	366	0	24	2	777	1554	8024
3	ASSAM	0	1	9	0	0	10	7	1	0	0	0	0	4461	4469	4479
4	BIHAR	0	6	8	0	7	21	342	127	80	687	10	1	1474	2721	2742
5	CHHATISGARH	63	128	715	4	75	985	735	843	89	202	51	10	5810	7740	8725
6	GOA	9	7	190	0	2	208	39	69	0	5	1	0	494	608	816
7	GUJARAT	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2
8	HARYANA	67	12	25	19	20	143	7	0	0	1	0	0	229	237	380
9	HIMACHAL PRADESH	4	3	8	0	0	15	7	20	0	0	0	0	48	75	90
10	JAMMU & KASHMIR	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3
11	JHARKHAND	6	1115	105	0	33	1259	25	2010	16	133	0	17	3951	6152	7411
12	KARNATAKA	5389	309	22645	155	1460	29958	8419	81	444	1070	47	1	7210	17272	47230
13	KERALA	315	201	11862	44	825	13247	602	611	148	43	23	2	2647	4076	17323
14	MADHYA PRADESH	759	844	5675	37	2570	9885	75	36	3	33	2	0	1759	1908	11793
15	MAHARASHTRA	40041	30682	147436	1357	3959	223475	60	8	8	3	0	8	1439	1526	225001
16	NAGALAND	0	7	8	0	4	19	0	0	0	0	0	0	0	0	19
17	ODISHA	307	1235	11311	62	229	13144	1308	8604	3598	706	82	87	21288	35673	48817
18	PUNJAB	8	16	574	2	21	621	130	5	74	35	15	0	487	746	1367
19	RAJASTHAN	68	254	1622	6	72	2022	234	1308	256	11	0	11	323	2143	4165
20	TAMIL NADU	16	380	351	1	47	795	29	25	22	12	5	3	318	414	1209
21	TELENGANA	211	152	9568	276	17	10224	2974	238	12974	37	25	14	9396	25658	35882
22	TRIPURA	1	388	184	0	1	574	0	20	0	0	0	0	0	20	594
23	UTTARAKHAND	0	0	0	1	2	3	1	0	1	0	0	0	3	5	8
24	UTTAR PRADESH	178	1377	11071	21	103	12750	1113	223	81	192	94	6	4947	6656	19406
25	WEST BENGAL	87	131	5007	111	427	5763	0	0	0	0	0	0	0	0	5763
	Total	47562	37707	235470	2404	10173	333316	16279	14596	18163	3182	379	163	67953	120715	454031

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TABLE 6.8: DISTRIBUTION OF SURFACE FLOW SCHEMES BY STATUS OF UTILISATION

(In Number)

S.No.	State	Schemes in use	Schemes not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	ANDAMAN & NICOBAR ISLANDS	3254	104	71	175	3429	109	47	156
2	ANDHRA PRADESH	9080	1305	220	1525	10605	24	5	29
3	ARUNACHAL PRADESH	1	1	0	1	2	0	0	0
4	ASSAM	7316	158	96	254	7570	0	0	0
5	BIHAR	4576	81	202	283	4859	1775	172	1947
6	CHHATISGARH	11845	116	129	245	12090	268	41	309
7	GOA	1056	4	12	16	1072	1	5	6
8	GUJARAT	17139	2	0	2	17141	3	0	3
9	HARYANA	619	1	17	18	637	18	11	29
10	HIMACHAL PRADESH	284	7	6	13	297	1	1	2
11	JAMMU & KASHMIR	99	1	1	2	101	0	1	1
12	JHARKHAND	16727	420	138	558	17285	685	122	807
13	KARNATAKA	52728	74	88	162	52890	7857	76	7933
14	KERALA	21613	175	64	239	21852	138	35	173
15	MADHYA PRADESH	32701	257	135	392	33093	31786	361	32147
16	MAHARASHTRA	239132	96	50	146	239278	9609	63	9672
17	MANIPUR	145	21	31	52	197	0	0	0
18	MEGHALAYA	3	0	0	0	3	0	0	0
19	NAGALAND	33	13	0	13	46	0	0	0
20	ODISHA	60627	2219	1053	3272	63899	2315	147	2462
21	PUNJAB	1366	16	26	42	1408	8	13	21
22	RAJASTHAN	12326	1073	76	1149	13475	127	55	182

(In Number)

S.No.	State	Schemes in use	Schemes not in use			Grand Total (3+6)	Number of Schemes meant only for re-charge of ground water		
			Temporarily	Permanently	Total (4+5)		In use	Not in use (Temp + Pmt)	Total (8+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
23	TAMIL NADU	3128	682	570	1252	4380	1423	1065	2488
24	TELENGANA	37145	492	229	721	37866	1441	25	1466
25	TRIPURA	2040	99	27	126	2166	0	0	0
26	UTTARAKHAND	421	88	104	192	613	0	13	13
27	UTTAR PRADESH	25745	754	1291	2045	27790	3792	1633	5425
28	WEST BENGAL	20803	650	484	1134	21937	332	64	396
	Total	581952	8909	5120	14029	595981	61712	3955	65667

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TABLE 6.9: DISTRIBUTION OF SURFACE LIFT SCHEMES TEMPORARILY NOT IN USE BY REASONS

(In Number)

S.No.	State	No. of Surface Lift Schemes Temporarily not in use due to								
		Non Availability of adequate Power/Fuel	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Storage not filled up fully	Siltation of Channel/ Storage	Channel Break Down	Others	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	0	11	32	0	4	25	1	31	104
2	ANDHRA PRADESH	24	146	948	30	8	7	0	142	1305
3	ARUNACHAL PRADESH	1	0	0	0	0	0	0	0	1
4	ASSAM	5	88	3	2	0	0	0	60	158
5	BIHAR	13	52	4	5	1	1	0	5	81
6	CHHATISGARH	14	12	33	2	5	0	0	50	116
7	GOA	0	1	0	0	0	0	0	3	4
8	GUJARAT	2	0	0	0	0	0	0	0	2
9	HARYANA	1	0	0	0	0	0	0	0	1
10	HIMACHAL PRADESH	0	2	0	0	0	1	0	4	7
11	JAMMU & KASHMIR	0	0	0	0	0	0	0	1	1
12	JHARKHAND	56	28	86	13	99	44	1	93	420
13	KARNATAKA	8	14	14	2	20	6	0	10	74
14	KERALA	6	18	24	34	11	3	0	79	175
15	MADHYA PRADESH	7	2	102	15	0	0	20	111	257
16	MAHARASHTRA	11	30	6	0	15	0	0	34	96
17	MANIPUR	3	12	2	0	0	2	0	2	21
18	NAGALAND	0	1	0	0	0	0	0	12	13
19	ODISHA	303	818	101	212	58	18	129	580	2219
20	PUNJAB	11	5	0	0	0	0	0	0	16
21	RAJASTHAN	15	78	364	15	468	0	0	133	1073
22	TAMIL NADU	31	61	335	53	94	2	0	106	682
23	TELENGANA	3	17	323	7	4	0	0	138	492

(In Number)

S.No.	State	No. of Surface Lift Schemes Temporarily not in use due to								
		Non Availability of adequate Power/Fuel	Mechanical Break Down	Less discharge of Water	Non - Availability of Finance	Storage not filled up fully	Siltation of Channel/ Storage	Channel Break Down	Others	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
24	TRIPURA	9	17	30	1	0	4	0	38	99
25	UTTARAKHAND	1	4	8	1	0	1	22	51	88
26	UTTAR PRADESH	31	26	42	4	52	4	5	590	754
27	WEST BENGAL	0	0	0	0	0	0	0	650	650
	Total	555	1443	2457	396	839	118	178	2923	8909

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TABLE 6.10: DISTRIBUTION OF SURFACE LIFT SCHEMES PERMANENTLY NOT IN USE BY REASONS

(In Number)

S.No.	State	No. of Surface Lift Schemes Permanently not in use due to								
		Salinity	Dried up	Destroyed beyond repair	Due to sea water intrusion	Industrial effluents	Due to Availability of Major/Medium Irrigation Project	Sinking	Other reasons	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	3	42	8	1	0	2	0	15	71
2	ANDHRA PRADESH	0	188	5	5	0	3	0	19	220
3	ASSAM	8	15	27	1	0	0	0	45	96
4	BIHAR	16	174	2	4	1	0	0	5	202
5	CHHATISGARH	22	26	6	6	1	0	0	68	129
6	GOA	0	0	2	0	0	0	0	10	12
7	HARYANA	15	1	1	0	0	0	0	0	17
8	HIMACHAL PRADESH	0	1	1	0	0	0	0	4	6
9	JAMMU & KASHMIR	0	0	0	0	0	0	0	1	1
10	JHARKHAND	2	89	10	3	11	0	0	23	138
11	KARNATAKA	5	41	15	0	3	0	1	23	88
12	KERALA	3	6	12	3	0	4	0	36	64
13	MADHYA PRADESH	7	58	3	3	0	1	0	63	135
14	MAHARASHTRA	12	5	9	0	0	0	0	24	50
15	MANIPUR	0	5	25	0	0	0	0	1	31
16	ODISHA	69	182	495	13	8	4	9	273	1053
17	PUNJAB	17	6	3	0	0	0	0	0	26
18	RAJASTHAN	3	49	12	0	0	1	0	11	76
19	TAMIL NADU	36	126	118	53	19	8	2	208	570
20	TELENGANA	2	68	15	0	0	0	0	144	229
21	TRIPURA	0	4	5	0	0	0	0	18	27
22	UTTARAKHAND	1	8	22	1	0	0	6	66	104

(In Number)

S.No.	State	No. of Surface Lift Schemes Permanently not in use due to								
		Salinity	Dried up	Destroyed beyond repair	Due to sea water intrusion	Industrial effluents	Due to Availability of Major/Medium Irrigation Project	Sinking	Other reasons	Total (3 to 10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
23	UTTAR PRADESH	967	35	59	6	2	1	2	219	1291
24	WEST BENGAL	38	57	86	9	2	39	0	253	484
	Total	1226	1186	941	108	47	63	20	1529	5120

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TABLE 6.11: DISTRIBUTION OF IN USE SURFACE LIFT SCHEMES ACCORDING TO WATER DISTRIBUTION SYSTEM AND POTENTIAL UTILISED

(In Number)

S.No.	State	No. & PU of Surface Lift Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	ANDAMAN & NICOBAR ISLANDS	5	4.60	21	12.30	5	3.10	2387	2040.82	1	0.40	2	1.30	833	384.89	3254	2447.41
2	ANDHRA PRADESH	246	20015.85	3421	39327.97	2035	15098.67	2340	13791.17	765	3087.82	209	678.90	64	1440.59	9080	93440.97
3	ARUNACHAL PRADESH	0	0.00	1	15.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	15.00
4	ASSAM	334	25747.79	6700	12408.15	64	2360.16	152	380.20	0	0.00	2	221.90	64	1837.08	7316	42955.28
5	BIHAR	130	894.39	971	12080.50	36	97.26	3366	29755.17	8	60.00	0	0.00	65	513.63	4576	43400.95
6	CHHATISGARH	446	1883.21	4220	12984.90	520	1719.61	6290	14626.23	21	93.68	5	2.30	343	1129.19	11845	32439.12
7	GOA	129	485.00	329	560.89	30	57.51	119	293.38	22	55.20	354	786.34	73	133.58	1056	2371.90
8	GUJARAT	1	1.77	0	0.00	0	0.00	17138	23283.31	0	0.00	0	0.00	0	0.00	17139	23285.08
9	HARYANA	183	649.80	325	1993.40	38	382.00	5	22.40	0	0.00	64	526.00	4	14.42	619	3588.02
10	HIMACHAL PRADESH	28	793.86	42	866.44	75	4733.00	136	1183.85	0	0.00	1	8.00	2	3.60	284	7588.75
11	JAMMU & KASHMIR	21	1047.00	68	3814.50	0	0.00	4	16.00	0	0.00	0	0.00	6	733.00	99	5610.50
12	JHARKHAND	377	5882.00	5938	16905.90	261	1204.76	9002	26204.02	11	65.32	7	9.26	1131	3206.58	16727	53477.84
13	KARNATAKA	6869	13351.03	3195	6637.74	32721	80379.35	5301	10335.17	687	1081.03	1859	3411.07	2096	3788.72	52728	118984.11
14	KERALA	809	15526.03	4081	16251.62	977	4409.44	12260	21281.97	226	355.04	1503	1947.39	1757	3814.47	21613	63585.96
15	MADHYA PRADESH	356	2110.62	3171	6240.29	5921	1371311	20494	59887.05	165	200.00	2089	1182.18	505	2064.48	32701	85397.73
16	MAHARASHTRA	13689	29468.59	35206	100247.92	173350	349514.75	10813	18521.74	453	1189.00	1523	3380.59	4098	17271.39	239132	519593.98
17	MANIPUR	129	3178.00	16	436.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	145	3614.00
18	MEGHALAYA	1	120.00	1	10.00	0	0.00	1	14.00	0	0.00	0	0.00	0	0.00	3	144.00
19	NAGALAND	3	41.00	25	191.00	0	0.00	1	16.00	0	0.00	0	0.00	4	25.00	33	273.00
20	ODISHA	1587	14683.89	22092	85113.33	3302	49382.75	31981	79354.28	94	648.46	498	993.84	1073	2824.13	60627	233000.68
21	PUNJAB	288	1818.50	869	5363.03	70	442.57	132	375.06	1	12.00	0	0.00	6	30.65	1366	8041.81

(In Number)

S.No.	State	No. & PU of Surface Lift Schemes According to Water Distribution System															
		Open Water (Lined/Pucca)		Open Water (Unlined/Kutcha)		Underground pipe		Surface pipe		Drip		Sprinkler		Others		Total	
		No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU	No.	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
22	RAJASTHAN	281	6186.84	567	10265.77	488	4742.86	10069	49234.80	74	1102.80	587	2626.99	260	1113.70	12326	75273.76
23	TAMIL NADU	977	3621.57	998	9550.78	195	3585.21	488	3281.65	29	65.12	192	1449.14	249	1188.76	3128	22742.23
24	TELENGANA	2891	11132.05	5262	8797.73	15594	28228.52	8803	16757.05	737	2238.65	3740	7195.75	118	501.16	37145	74850.91
25	TRIPURA	43	2347.14	352	1027.91	1394	73306.65	243	582.28	0	0.00	0	0.00	8	25.35	2040	77289.33
26	UTTARAKHAND	212	3694.62	75	2598.09	15	303.70	81	1587.59	0	0.00	0	0.00	38	729.00	421	8913.00
27	UTTAR PRADESH	624	7502.31	4662	44193.83	273	1920.77	19175	109808.93	190	1499.00	604	5761.81	217	1090.89	25745	171777.54
28	WEST BENGAL	622	10295.70	3667	29160.86	2496	93290.40	13245	59681.35	23	197.10	112	564.31	638	3372.93	20803	196562.65
	Total	31281	182483.16	106275	427055.85	239860	728876.15	174026	542315.47	3507	11950.62	13351	30747.07	13652	47237.19	581952	1970665.51

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TABLE 6.12: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SURFACE LIFT SCHEMES ACCORDING TO LIFTING DEVICES

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine/Jet Pump	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	30	2369	8	943	8	3358
2	ANDHRA PRADESH	2803	6573	451	96	462	10385
3	ARUNACHAL PRADESH	0	1	1	0	0	2
4	ASSAM	434	1432	4992	244	372	7474
5	BIHAR	825	2712	75	714	331	4657
6	CHHATISGARH	3879	4681	1480	233	1688	11961
7	GOA	200	697	12	135	16	1060
8	GUJARAT	11	17130	0	0	0	17141
9	HARYANA	601	13	2	0	4	620
10	HIMACHAL PRADESH	124	129	15	11	12	291
11	JAMMU & KASHMIR	36	49	4	0	11	100
12	JHARKHAND	771	12748	975	1441	1212	17147
13	KARNATAKA	37967	10344	2151	630	1710	52802
14	KERALA	3007	15431	562	2209	579	21788
15	MADHYA PRADESH	15043	12052	3466	182	2215	32958
16	MAHARASHTRA	133261	97410	4968	592	2997	239228
17	MANIPUR	0	166	0	0	0	166
18	MEGHALAYA	0	1	1	0	1	3
19	NAGALAND	2	31	0	8	5	46
20	ODISHA	4923	50146	3710	3326	741	62846
21	PUNJAB	597	707	63	0	15	1382
22	RAJASTHAN	608	10903	89	323	1476	13399
23	TAMIL NADU	734	1288	73	1190	525	3810

(In Number)

S.No.	State	Number of schemes by lifting Device					
		Submersible Pump	Centrifugal Pump	Turbine/Jet Pump	Manual/Animal	Others	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24	TELENGANA	22411	14511	440	20	255	37637
25	TRIPURA	25	2106	4	1	3	2139
26	UTTARAKHAND	140	82	0	38	249	509
27	UTTAR PRADESH	1105	23922	243	73	1156	26499
28	WEST BENGAL	1184	16421	1128	788	1932	21453
	Total	230721	304055	24913	13197	17975	590861

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TABLE 6.13: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SURFACE LIFT SCHEMES ACCORDING TO SOURCE OF ENERGY

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	2178	230	0	1	943	6	3358
2	ANDHRA PRADESH	8815	1408	3	1	96	62	10385
3	ARUNACHAL PRADESH	0	2	0	0	0	0	2
4	ASSAM	5540	1686	0	0	244	4	7474
5	BIHAR	596	3149	82	11	714	105	4657
6	CHHATISGARH	6919	3916	184	325	233	384	11961
7	GOA	831	90	0	1	135	3	1060
8	GUJARAT	16	17125	0	0	0	0	17141
9	HARYANA	612	5	0	0	0	3	620
10	HIMACHAL PRADESH	249	16	0	7	11	8	291
11	JAMMU & KASHMIR	95	0	0	0	0	5	100
12	JHARKHAND	1423	13543	36	55	1441	649	17147
13	KARNATAKA	49426	1983	91	47	630	625	52802
14	KERALA	16396	2595	10	15	2209	563	21788
15	MADHYA PRADESH	28458	3322	11	11	182	974	32958
16	MAHARASHTRA	231631	5662	209	46	592	1088	239228
17	MANIPUR	7	159	0	0	0	0	166
18	MEGHALAYA	1	2	0	0	0	0	3
19	NAGALAND	3	30	0	0	8	5	46
20	ODISHA	16134	40411	174	132	3326	2669	62846
21	PUNJAB	607	748	12	0	0	15	1382
22	RAJASTHAN	923	12040	4	11	323	98	13399
23	TAMIL NADU	1065	1124	26	9	1190	396	3810

(In Number)

S.No.	State	Number of schemes by source of energy						
		Electric Pump	Diesel Pump	Wind mills	Solar pumps	Manual/Animal	Others	Total (3 to 8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
24	TELENGANA	36282	1280	24	4	20	27	37637
25	TRIPURA	1526	610	0	0	1	2	2139
26	UTTARAKHAND	151	18	1	0	38	301	509
27	UTTAR PRADESH	1269	24782	32	17	73	326	26499
28	WEST BENGAL	3738	14200	89	77	788	2561	21453
	Total	414891	150136	988	770	13197	10879	590861

TABLE 6.14: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SURFACE LIFT SCHEMES ACCORDING TO HORSE POWER OF LIFTING DEVICE

(In Number)

S.No.	State	No. of Surface Lift Scheme by horse power of lifting devices								Total (9+10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	ANDAMAN & NICOBAR ISLANDS	2165	65	180	3	2	0	2415	943	3358
2	ANDHRA PRADESH	178	852	5999	2114	1146	0	10289	96	10385
3	ARUNACHAL PRADESH	0	0	1	0	1	0	2	0	2
4	ASSAM	3602	921	2319	9	347	32	7230	244	7474
5	BIHAR	1100	646	2064	34	99	0	3943	714	4657
6	CHHATISGARH	4011	3169	4480	18	50	0	11728	233	11961
7	GOA	298	196	281	59	90	1	925	135	1060
8	GUJARAT	3	5703	8842	2591	2	0	17141	0	17141
9	HARYANA	125	31	134	2	327	1	620	0	620
10	HIMACHAL PRADESH	88	25	51	26	78	12	280	11	291
11	JAMMU & KASHMIR	9	4	74	5	8	0	100	0	100
12	JHARKHAND	7873	1753	5689	190	201	0	15706	1441	17147
13	KARNATAKA	3298	661	21183	4948	22080	2	52172	630	52802
14	KERALA	13257	2313	2990	363	477	179	19579	2209	21788
15	MADHYA PRADESH	3947	6934	14761	2659	3628	856	32785	173	32958
16	MAHARASHTRA	4747	20047	167112	28593	18130	7	238636	592	239228
17	MANIPUR	0	0	0	0	0	166	166	0	166
18	MEGHALAYA	0	0	1	1	1	0	3	0	3
19	NAGALAND	5	2	31	0	0	0	38	8	46
20	ODISHA	19108	17173	17003	651	5118	467	59520	3326	62846
21	PUNJAB	182	35	173	141	851	0	1382	0	1382

(In Number)

S.No.	State	No. of Surface Lift Scheme by horse power of lifting devices								Total (9+10)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	above 10 hp	Total (3 to 8)	Schemes without horse power	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
22	RAJASTHAN	392	389	5361	3804	2924	206	13076	323	13399
23	TAMIL NADU	565	258	1447	271	79	0	2620	1190	3810
24	TELENGANA	333	4346	27487	4908	541	2	37617	20	37637
25	TRIPURA	348	252	61	0	1	1476	2138	1	2139
26	UTTARAKHAND	92	36	127	29	167	20	471	38	509
27	UTTAR PRADESH	822	1318	2578	16467	5241	0	26426	73	26499
28	WEST BENGAL	5515	5632	6007	197	3314	0	20665	788	21453
	Total	72063	72761	296436	68083	64903	3427	577673	13188	590861

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TABLE 6.15: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SURFACE LIFT SCHEMES ACCORDING TO TOTAL HOURS OF PUMPING OPERATION

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	2401	12	0	1	0	1	2415	2210	178	15	8	1	3	2415
2	ANDHRA PRADESH	4087	1488	1309	1465	1525	415	10289	5287	1751	1312	929	731	279	10289
3	ARUNACHAL PRADESH	0	2	0	0	0	0	2	2	0	0	0	0	0	2
4	ASSAM	6940	183	47	26	11	23	7230	6923	214	70	12	3	8	7230
5	BIHAR	2341	664	648	238	18	34	3943	2813	757	154	30	152	37	3943
6	CHHATISGARH	10446	831	286	94	36	35	11728	8560	1798	545	321	251	253	11728
7	GOA	925	0	0	0	0	0	925	812	64	33	11	4	1	925
8	GUJARAT	17141	0	0	0	0	0	17141	17139	2	0	0	0	0	17141
9	HARYANA	219	214	127	17	11	32	620	305	68	50	134	30	33	620
10	HIMACHAL PRADESH	196	39	9	10	7	19	280	155	54	18	17	11	25	280
11	JAMMU & KASHMIR	55	8	1	6	11	19	100	79	3	0	0	11	7	100
12	JHARKHAND	12878	1931	385	305	98	109	15706	14449	940	200	69	29	19	15706
13	KARNATAKA	25646	13851	6089	4164	1397	1025	52172	33898	11804	3775	1670	764	261	52172
14	KERALA	18647	589	200	89	20	34	19579	17864	942	425	170	103	75	19579
15	MADHYA PRADESH	28894	2403	729	407	108	244	32785	10742	11578	4998	2961	1542	964	32785
16	MAHARASHTRA	131035	103448	3093	585	390	85	238636	101733	115336	7740	9603	2228	1996	238636
17	MANIPUR	50	62	41	12	1	0	166	131	18	16	1	0	0	166
18	MEGHALAYA	3	0	0	0	0	0	3	3	0	0	0	0	0	3
19	NAGALAND	22	1	2	6	7	0	38	32	6	0	0	0	0	38
20	ODISHA	48332	7273	2080	1503	137	195	59520	39277	9129	6015	2730	1207	1162	59520
21	PUNJAB	612	411	214	113	21	11	1382	1319	52	3	1	6	1	1382
22	RAJASTHAN	12815	157	56	23	18	7	13076	8920	2067	1425	392	156	116	13076

(In Number)

S.No.	State	During Kharif Season							During Rabi Season					
		<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (3 to 8)	<200 hrs	200-400 hrs	400-600 hrs	600-800 hrs	800-1000 hrs	>=1000 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
23	TAMIL NADU	2070	258	135	53	59	45	2620	2121	274	91	32	14	88	2620
24	TELENGANA	8153	6781	7495	5710	5783	3695	37617	8409	4913	7308	6591	5575	4821	37617
25	TRIPURA	1329	573	184	48	3	1	2138	916	690	267	210	42	13	2138
26	UTTARAKHAND	154	140	78	46	13	40	471	188	166	53	32	24	8	471
27	UTTAR PRADESH	23435	2044	383	124	67	373	26426	20258	4202	1037	290	198	441	26426
28	WEST BENGAL	20657	8	0	0	0	0	20665	19667	998	0	0	0	0	20665
	Total	379483	143371	23591	15045	9741	6442	577673	324212	168004	35550	26214	13082	10611	577673

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.16: DISTRIBUTION OF IN USE, TEMPORARILY NOT IN USE SURFACE LIFT SCHEMES ACCORDING TO AVERAGE HOURS OF PUMPING PER DAY

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	2352	59	1	3	0	0	2415	2271	136	6	1	0	1	2415
2	ANDHRA PRADESH	3112	6129	980	39	14	15	10289	4364	4859	1009	26	14	17	10289
3	ARUNACHAL PRADESH	1	1	0	0	0	0	2	2	0	0	0	0	0	2
4	ASSAM	6259	850	68	30	10	13	7230	6246	912	58	8	1	5	7230
5	BIHAR	449	1555	864	478	46	551	3943	729	1526	1108	422	20	138	3943
6	CHHATISGARH	8858	1700	945	153	31	41	11728	5880	3594	1648	424	92	90	11728
7	GOA	925	0	0	0	0	0	925	858	53	13	1	0	0	925
8	GUJARAT	5711	11430	0	0	0	0	17141	5	17136	0	0	0	0	17141
9	HARYANA	101	345	167	1	0	6	620	90	445	75	4	0	6	620
10	HIMACHAL PRADESH	97	122	41	11	6	3	280	52	129	78	14	7	0	280
11	JAMMU & KASHMIR	57	11	9	10	8	5	100	79	0	3	9	4	5	100
12	JHARKHAND	7015	6533	1859	193	25	81	15706	10046	4922	541	116	20	61	15706
13	KARNATAKA	21785	27137	2745	313	24	168	52172	26179	23271	2369	235	27	91	52172
14	KERALA	18395	883	258	26	3	14	19579	17948	1203	341	36	14	37	19579
15	MADHYA PRADESH	22831	5867	3151	615	27	294	32785	3073	13158	13657	1751	241	905	32785
16	MAHARASHTRA	52401	168906	10814	5263	698	554	238636	20664	180066	30997	5152	883	874	238636
17	MANIPUR	20	39	58	29	14	6	166	68	52	45	1	0	0	166
18	MEGHALAYA	2	1	0	0	0	0	3	3	0	0	0	0	0	3
19	NAGALAND	22	4	12	0	0	0	38	25	11	2	0	0	0	38
20	ODISHA	33008	21934	3696	490	210	182	59520	25582	25119	6988	994	267	570	59520
21	PUNJAB	209	480	678	6	0	9	1382	453	887	31	0	1	10	1382
22	RAJASTHAN	12522	384	159	10	0	1	13076	2900	7004	2789	320	46	17	13076

(In Number)

S.No.	State	During Kharif Season							During Rabi Season						
		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
23	TAMIL NADU	1950	407	171	43	9	40	2620	1564	707	245	82	9	13	2620
24	TELENGANA	5010	22889	9162	497	5	54	37617	6407	18452	9004	3645	27	82	37617
25	TRIPURA	853	1193	88	1	0	3	2138	542	1233	349	11	0	3	2138
26	UTTARAKHAND	39	192	188	28	2	22	471	55	209	161	24	5	17	471
27	UTTAR PRADESH	9168	11254	4689	809	122	384	26426	4969	10608	9235	865	190	559	26426
28	WEST BENGAL	3238	17426	1	0	0	0	20665	2364	16442	1859	0	0	0	20665
	Total	216390	307731	40804	9048	1254	2446	577673	143418	332134	82611	14141	1868	3501	577673

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.17: DISTRIBUTION OF SURFACE LIFT SCHEMES IN AND OUTSIDE THE COMMAND AREA OF MAJOR/MEDIUM PROJECTS

(In Number)

S.No.	State	Outside command	No. of Surface Lift Schemes inside command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	ANDAMAN & NICOBAR ISLANDS	3427	0	1	0	1	2	3429
2	ANDHRA PRADESH	7355	2032	1047	18	153	3250	10605
3	ARUNACHAL PRADESH	2	0	0	0	0	0	2
4	ASSAM	7538	5	0	1	26	32	7570
5	BIHAR	4676	107	25	2	49	183	4859
6	CHHATISGARH	11888	48	83	4	67	202	12090
7	GOA	1007	48	10	0	7	65	1072
8	GUJARAT	17140	1	0	0	0	1	17141
9	HARYANA	629	4	3	0	1	8	637
10	HIMACHAL PRADESH	297	0	0	0	0	0	297
11	JAMMU & KASHMIR	97	0	0	0	4	4	101
12	JHARKHAND	17232	24	13	1	15	53	17285
13	KARNATAKA	51413	647	269	1	560	1477	52890
14	KERALA	20441	471	671	60	209	1411	21852
15	MADHYA PRADESH	32384	681	4	0	24	709	33093
16	MAHARASHTRA	180516	1	3	3	58755	58762	239278
17	MANIPUR	197	0	0	0	0	0	197
18	MEGHALAYA	3	0	0	0	0	0	3
19	NAGALAND	46	0	0	0	0	0	46
20	ODISHA	52096	5962	3409	800	1632	11803	63899
21	PUNJAB	1382	8	18	0	0	26	1408

(In Number)

S.No.	State	Outside command	No. of Surface Lift Schemes inside command area - by reasons					Total (3+8)
			Water not available up to the field from major/medium scheme	Water available but not adequate for irrigation	Water available but not useable for irrigation	Other reasons	Total (4 to 7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
22	RAJASTHAN	11174	1944	267	7	83	2301	13475
23	TAMIL NADU	4192	84	49	22	33	188	4380
24	TELENGANA	26338	2322	6646	352	2208	11528	37866
25	TRIPURA	2079	0	0	0	87	87	2166
26	UTTARAKHAND	611	0	1	0	1	2	613
27	UTTAR PRADESH	25220	1233	214	8	1115	2570	27790
28	WEST BENGAL	21396	0	0	0	541	541	21937
	Total	500776	15622	12733	1279	65571	95205	595981

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.18: DISTRIBUTION OF IN USE TANKS/PONDS/RESERVOIR OF SURFACE LIFT SCHEMES BY CCA CLASSES & THEIR /IPC & IPU

(In Number/In Ha)

S.No.	State	No. of Tanks/Reservoirs & Other Storages with their IPC & IPU by CCA Class																				
		CCA Classes																				
		0 to 20 ha			20 to 40 ha			40 to 100 ha			100 to 500 ha			500 to 1000 ha			1000 to 2000 ha			Total		
		No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1	ANDAMAN & NICOBAR ISLANDS	3253	4818.69	2448.57	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	3253	4818.69	2448.57
2	ANDHRA PRADESH	504	1518.02	1248.89	21	633.41	470.66	27	1691.95	1250.22	11	3314.19	1542.94	1	809.72	0.00	1	2000.00	2000.00	565	9967.29	6512.71
3	ASSAM	4630	2047.97	1743.25	55	2087.40	1478.60	43	3705.80	1764.00	71	24384.90	7464.32	6	5637.00	1530.00	1	1743.00	600.00	4806	39606.07	14580.17
4	BIHAR	530	2950.27	2624.86	5	178.00	125.00	29	4493.00	3592.50	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	564	7621.27	6342.36
5	CHHATISGARH	1824	6034.13	3844.12	35	882.34	716.56	14	850.20	609.32	1	123.53	123.53	0	0.00	0.00	0	0.00	0.00	1874	7890.20	5293.53
6	GOA	451	803.62	777.08	4	116.80	116.80	1	50.00	50.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	456	970.42	943.88
7	GUJARAT	17137	26994.77	23279.15	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	17137	26994.77	23279.15
8	HARYANA	19	41.12	40.72	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	19	41.12	40.72
9	HIMACHAL PRADESH	110	368.20	334.15	3	150.28	150.28	5	476.60	385.17	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	118	995.08	869.60
10	JAMMU & KASHMIR	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
11	JHARKHAND	12170	37955.16	28278.99	169	5514.95	3717.80	129	7711.14	5185.71	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	12468	51181.25	37182.50
12	KARNATAKA	2093	5144.84	4713.99	26	692.48	660.48	10	617.64	566.64	4	1030.00	1030.00	0	0.00	0.00	0	0.00	0.00	2133	7484.96	6971.11
13	KERALA	16973	21251.79	20534.80	153	4498.26	4429.23	78	5450.34	5352.93	9	1597.29	1484.68	3	2374.00	2324.00	0	0.00	0.00	17216	35171.68	34125.64
14	MADHYA PRADESH	1598	13218.83	12650.97	290	9735.39	8866.71	272	19297.41	17281.29	161	32836.69	29971.64	20	17206.00	7615.00	0	0.00	0.00	2341	92294.32	76385.61
15	MAHARASHTRA	13918	35379.41	28954.76	73	2221.95	2004.45	30	2122.22	1963.05	17	3742.69	2951.97	2	1500.00	1440.00	0	0.00	0.00	14040	44966.27	37314.23
16	MEGHALAYA	1	14.00	10.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	1	14.00	10.00
17	NAGALAND	13	123.00	13.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	13	123.00	13.00
18	ODISHA	11917	35715.74	24196.37	144	5429.32	3215.98	96	8129.04	4414.45	7	1547.54	1075.26	0	0.00	0.00	0	0.00	0.00	12164	50821.64	32902.06
19	PUNJAB	12	52.33	52.33	0	0.00	0.00	1	70.84	70.84	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	13	123.17	123.17

(In Number/In Ha)

S.No.	State	No. of Tanks/Reservoirs & Other Storages with their IPC & IPU by CCA Class																				
		CCA Classes																				
		0 to 20 ha			20 to 40 ha			40 to 100 ha			100 to 500 ha			500 to 1000 ha			1000 to 2000 ha			Total		
		No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU	No.	IPC	IPU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
20	RAJASTHAN	2942	9173.10	7198.62	29	969.41	761.55	30	2069.22	1867.58	4	759.00	759.00	0	0.00	0.00	0	0.00	0.00	3005	12970.73	10586.75
21	TAMIL NADU	710	1944.21	1780.78	65	2052.17	1939.63	75	5396.04	4757.90	9	1365.00	1365.00	0	0.00	0.00	0	0.00	0.00	859	10757.42	9843.31
22	TELENGANA	2192	3810.23	3320.81	9	236.53	232.89	4	328.61	326.59	0	0.00	0.00	2	2873.26	2589.99	0	0.00	0.00	2207	7248.63	6470.28
23	TRIPURA	2	54.00	50.00	3	152.00	145.00	1	77.00	74.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	6	283.00	269.00
24	UTTARAKHAND	22	212.45	145.55	4	170.00	161.00	7	665.00	389.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	33	1047.45	695.55
25	UTTAR PRADESH	8471	83661.56	61227.33	219	8918.80	6725.50	145	10997.00	8968.00	5	620.00	510.00	0	0.00	0.00	2	3000.00	3000.00	8842	107197.36	80430.83
26	WEST BENGAL	15293	78835.22	59478.60	201	7652.59	5406.83	126	9254.03	6076.52	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	15620	95741.84	70961.95
	Total	116785	372122.66	288947.69	1508	52292.08	41324.95	1123	83453.08	64945.71	299	71320.83	48278.34	34	30399.98	15498.99	4	6743.00	5600.00	119753	616331.63	464595.68

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.19.1: CCA AND SEASON WISE POTENTIAL CREATED THROUGH SURFACE LIFT SCHEMES – ALL SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	4161.20	1253.10	1884.83	1379.08	327.28	4844.29
2	ANDHRA PRADESH	127608.81	94468.54	61292.98	3237.30	725.61	159724.43
3	ARUNACHAL PRADESH	60.00	40.00	25.00	10.00	0.00	75.00
4	ASSAM	94910.14	78403.52	50598.58	55.82	157.86	129215.78
5	BIHAR	51543.31	40051.42	28502.84	4083.52	3721.59	76359.37
6	CHHATISGARH	40940.94	21985.00	24131.48	29.85	3.17	46149.50
7	GOA	2476.69	0.63	354.32	2087.32	34.85	2477.12
8	GUJARAT	23450.52	12700.04	14298.82	5.28	1.63	27005.77
9	HARYANA	1888.21	1841.21	1827.21	0.00	0.00	3668.42
10	HIMACHAL PRADESH	5508.82	4712.20	4852.53	9.40	62.00	9636.13
11	JAMMU & KASHMIR	5336.00	5178.00	773.50	0.00	0.00	5951.50
12	JHARKHAND	67643.00	44155.98	21571.27	3726.42	2674.05	72127.72
13	KARNATAKA	100713.36	75823.74	25912.11	11379.95	7530.06	120645.86
14	KERALA	64548.01	13160.36	15804.39	28438.52	9362.81	66766.08
15	MADHYA PRADESH	97864.68	9562.73	91115.75	861.52	764.22	102304.22
16	MAHARASHTRA	550940.53	301210.82	252854.60	49036.05	26283.26	629384.73
17	MANIPUR	3093.00	2992.00	1012.00	15.00	14.00	4033.00
18	MEGHALAYA	142.00	130.00	8.00	2.00	8.00	148.00
19	NAGALAND	459.70	329.20	123.00	28.00	50.00	530.20
20	ODISHA	286790.43	241379.48	148882.23	2074.34	378.06	392714.11
21	PUNJAB	4150.68	4063.73	4062.74	64.12	7.40	8197.99
22	RAJASTHAN	88975.40	2564.29	87413.69	122.41	215.38	90315.77
23	TAMIL NADU	24187.28	9103.18	14475.71	2493.75	790.61	26863.25
24	TELENGANA	55058.41	48745.04	37705.23	286.88	13.58	86750.73

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	TRIPURA	57038.54	48414.00	40606.63	148.00	9940.27	99108.90
26	UTTARAKHAND	8174.96	6017.50	5872.93	360.72	1193.13	13444.28
27	UTTAR PRADESH	176714.01	74638.41	109625.01	16700.83	23637.59	224601.84
28	WEST BENGAL	175513.80	127379.97	98889.84	11941.35	45239.20	283450.36
	Total	2119892.43	1270304.09	1144477.22	138577.43	133135.61	2686494.35

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.19.2: CCA AND SEASON WISE POTENTIAL CREATED THROUGH IN USE SURFACE LIFT SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	4013.94	1206.30	1817.53	1347.18	309.38	4680.39
2	ANDHRA PRADESH	110553.44	81444.11	53512.52	3219.60	723.57	138899.80
3	ARUNACHAL PRADESH	30.00	20.00	10.00	0.00	0.00	30.00
4	ASSAM	70429.85	57523.12	38600.89	54.52	120.16	96298.69
5	BIHAR	44639.51	34233.02	24162.04	3773.42	3506.89	65675.37
6	CHHATISGARH	40078.85	21451.92	23727.67	28.55	2.47	45210.61
7	GOA	2470.53	0.63	348.16	2087.32	34.85	2470.96
8	GUJARAT	23447.52	12698.37	14296.74	5.28	1.63	27002.02
9	HARYANA	1848.01	1801.01	1789.01	0.00	0.00	3590.02
10	HIMACHAL PRADESH	5244.16	4450.04	4592.37	9.40	48.00	9099.81
11	JAMMU & KASHMIR	5336.00	5178.00	773.50	0.00	0.00	5951.50
12	JHARKHAND	65844.83	42934.18	21034.70	3643.74	2557.91	70170.53
13	KARNATAKA	100532.97	75691.16	25872.97	11359.60	7492.59	120416.32
14	KERALA	63905.81	13068.45	15688.84	28013.97	9322.95	66094.21
15	MADHYA PRADESH	97498.81	9482.32	90836.65	853.37	739.38	101911.72
16	MAHARASHTRA	550122.42	300545.18	252710.25	49008.57	26283.26	628547.26
17	MANIPUR	3093.00	2992.00	1012.00	15.00	14.00	4033.00
18	MEGHALAYA	142.00	130.00	8.00	2.00	8.00	148.00
19	NAGALAND	350.50	270.00	87.00	28.00	35.00	420.00
20	ODISHA	253410.95	211906.32	130276.78	1998.57	314.21	344495.88
21	PUNJAB	4100.89	4013.94	4012.95	64.12	7.40	8098.41
22	RAJASTHAN	84054.51	1928.71	82778.35	122.16	215.38	85044.60
23	TAMIL NADU	22432.22	8132.35	13982.55	2211.39	737.70	25063.99
24	TELENGANA	52988.74	46753.83	36129.35	282.31	10.74	83176.23
25	TRIPURA	53343.92	45103.60	39119.83	145.00	9642.27	94010.70

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
26	UTTARAKHAND	5971.23	4450.83	4341.73	266.72	914.09	9973.37
27	UTTAR PRADESH	174206.63	73542.80	108389.79	16445.73	23398.88	221777.20
28	WEST BENGAL	162559.98	117515.14	90640.27	11334.84	42134.59	261624.84
	Total	2002651.22	1178467.33	1080552.44	136320.36	128575.30	2523915.43

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.19.3: CCA AND SEASON WISE POTENTIAL CREATED THROUGH TEMPORARILY NOT IN USE SURFACE LIFT SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	99.36	32.90	45.80	21.80	9.00	109.50
2	ANDHRA PRADESH	10671.12	8068.78	5524.28	10.81	1.22	13605.09
3	ARUNACHAL PRADESH	30.00	20.00	15.00	10.00	0.00	45.00
4	ASSAM	10571.81	9098.74	5542.87	1.30	37.70	14680.61
5	BIHAR	1182.80	1020.40	867.80	65.10	36.70	1990.00
6	CHHATISGARH	390.70	205.77	237.12	1.30	0.70	444.89
7	GOA	6.16	0.00	6.16	0.00	0.00	6.16
8	GUJARAT	3.00	1.67	2.08	0.00	0.00	3.75
9	HARYANA	3.00	3.00	3.00	0.00	0.00	6.00
10	HIMACHAL PRADESH	239.89	239.29	238.29	0.00	14.00	491.58
11	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	0.00
12	JHARKHAND	1368.37	990.64	401.41	53.55	61.04	1506.64
13	KARNATAKA	52.03	46.31	2.74	3.26	1.00	53.31
14	KERALA	580.89	89.45	83.02	400.87	36.09	609.43
15	MADHYA PRADESH	345.12	80.06	278.45	8.10	4.79	371.40
16	MAHARASHTRA	720.40	605.84	104.66	26.78	0.00	737.28
17	MANIPUR	0.00	0.00	0.00	0.00	0.00	0.00
18	NAGALAND	109.20	59.20	36.00	0.00	15.00	110.20
19	ODISHA	22533.24	20366.04	13045.27	74.77	62.85	33548.93
20	PUNJAB	23.92	23.92	23.92	0.00	0.00	47.84
21	RAJASTHAN	4409.43	620.98	4136.98	0.25	0.00	4758.21
22	TAMIL NADU	1393.35	852.17	397.48	142.47	45.43	1437.55
23	TELENGANA	729.90	670.57	368.47	4.57	2.84	1046.45
24	TRIPURA	2843.80	2510.40	1181.30	3.00	153.00	3847.70

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
25	UTTARAKHAND	940.18	643.65	614.45	43.75	145.63	1447.48
26	UTTAR PRADESH	1506.93	734.52	659.27	171.52	171.73	1737.04
27	WEST BENGAL	7370.90	5399.36	4435.53	326.24	1751.49	11912.62
	Total	68125.50	52383.66	38251.35	1369.44	2550.21	94554.66

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.19.4: CCA AND SEASON WISE POTENTIAL CREATED THROUGH PERMANENTLY NOT IN USE SURFACE LIFT SCHEMES

(In Hectares)

S.No.	State	Culturable Command Area	Irrigation potential created				
			Kharif	Rabi	Perennial	Other	Total (4 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	47.90	13.90	21.50	10.10	8.90	54.40
2	ANDHRA PRADESH	6384.25	4955.65	2256.18	6.89	0.82	7219.54
3	ASSAM	13908.48	11781.66	6454.82	0.00	0.00	18236.48
4	BIHAR	5721.00	4798.00	3473.00	245.00	178.00	8694.00
5	CHHATISGARH	471.39	327.31	166.69	0.00	0.00	494.00
6	GOA	0.00	0.00	0.00	0.00	0.00	0.00
7	HARYANA	37.20	37.20	35.20	0.00	0.00	72.40
8	HIMACHAL PRADESH	24.77	22.87	21.87	0.00	0.00	44.74
9	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	0.00
10	JHARKHAND	429.80	231.16	135.16	29.13	55.10	450.55
11	KARNATAKA	128.36	86.27	36.40	17.09	36.47	176.23
12	KERALA	61.31	2.46	32.53	23.68	3.77	62.44
13	MADHYA PRADESH	20.75	0.35	0.65	0.05	20.05	21.10
14	MAHARASHTRA	97.71	59.80	39.69	0.70	0.00	100.19
15	MANIPUR	0.00	0.00	0.00	0.00	0.00	0.00
16	ODISHA	10846.24	9107.12	5560.18	1.00	1.00	14669.30
17	PUNJAB	25.87	25.87	25.87	0.00	0.00	51.74
18	RAJASTHAN	511.46	14.60	498.36	0.00	0.00	512.96
19	TAMIL NADU	361.71	118.66	95.68	139.89	7.48	361.71
20	TELENGANA	1339.77	1320.64	1207.41	0.00	0.00	2528.05
21	TRIPURA	850.82	800.00	305.50	0.00	145.00	1250.50
22	UTTARAKHAND	1263.55	923.02	916.75	50.25	133.41	2023.43
23	UTTAR PRADESH	1000.45	361.09	575.95	83.58	66.98	1087.60
24	WEST BENGAL	5582.92	4465.47	3814.04	280.27	1353.12	9912.90
	Total	49115.71	39453.10	25673.43	887.63	2010.10	68024.26

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.20.1: SEASON WISE POTENTIAL UTILISED THROUGH SURFACE LIFT SCHEMES- ALL

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.40	0.30	0.80	0.00	1.50	474.30	1012.79	828.43	148.57	2464.09	474.70	1013.09	829.23	148.57	2465.59
2	ANDHRA PRADESH	19105.33	8277.49	578.28	48.78	28009.88	35695.04	27885.93	2499.90	581.99	66662.86	54800.37	36163.42	3078.18	630.77	94672.74
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	25.00	15.00	10.00	0.00	50.00	25.00	15.00	10.00	0.00	50.00
4	ASSAM	406.51	317.70	0.80	16.80	741.81	27899.12	16935.17	33.85	90.03	44958.17	28305.63	17252.87	34.65	106.83	45699.98
5	BIHAR	320.16	164.85	58.54	60.00	603.55	27339.29	12289.43	2152.10	2012.93	43793.75	27659.45	12454.28	2210.64	2072.93	44397.30
6	CHHATISGARH	340.64	250.11	0.00	0.00	590.75	14704.87	17312.02	13.29	1.44	32031.62	15045.51	17562.13	13.29	1.44	32622.37
7	GOA	0.00	40.00	130.81	0.70	171.51	0.63	274.21	1896.56	31.65	2203.05	0.63	314.21	2027.37	32.35	2374.56
8	GUJARAT	1.00	0.75	0.00	0.00	1.75	11742.04	11543.31	0.85	0.20	23286.40	11743.04	11544.06	0.85	0.20	23288.15
9	HARYANA	26.00	23.00	0.00	0.00	49.00	1777.01	1768.01	0.00	0.00	3545.02	1803.01	1791.01	0.00	0.00	3594.02
10	HIMACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	3874.45	4091.98	4.90	62.00	8033.33	3874.45	4091.98	4.90	62.00	8033.33
11	JAMMU & KASHMIR	209.00	52.00	0.00	0.00	261.00	4860.00	489.50	0.00	0.00	5349.50	5069.00	541.50	0.00	0.00	5610.50
12	JHARKHAND	136.45	99.94	15.79	16.21	268.39	33602.05	16213.42	2532.95	1704.17	54052.59	33738.50	16313.36	2548.74	1720.38	54320.98
13	KARNATAKA	2497.53	1634.75	138.83	1121.51	5392.62	72788.86	23798.04	10934.66	6120.61	113642.17	75286.39	25432.79	11073.49	7242.12	119034.79
14	KERALA	1117.39	1686.42	1855.35	121.83	4780.99	11209.39	13388.68	26096.02	8695.49	59389.58	12326.78	15075.10	27951.37	8817.32	64170.57
15	MADHYA PRADESH	192.56	1274.70	49.80	70.50	1587.56	6476.10	76491.09	668.17	523.27	84158.63	6668.66	77765.79	717.97	593.77	85746.19
16	MAHARASHTRA	68586.74	76063.86	10452.96	7.00	155110.56	177305.22	126149.69	35192.56	26276.16	364923.63	245891.96	202213.55	45645.52	26283.16	520034.19
17	MANIPUR	0.00	0.00	0.00	0.00	0.00	2789.00	804.00	12.00	9.00	3614.00	2789.00	804.00	12.00	9.00	3614.00
18	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	129.00	6.00	2.00	7.00	144.00	129.00	6.00	2.00	7.00	144.00
19	NAGALAND	0.00	0.00	0.00	0.00	0.00	182.20	66.00	16.00	11.00	275.20	182.20	66.00	16.00	11.00	275.20
20	ODISHA	27084.67	18007.75	80.69	85.67	45258.78	121123.27	69006.22	1617.57	126.25	191873.31	148207.94	87013.97	1698.26	211.92	237132.09
21	PUNJAB	126.90	126.90	0.00	0.00	253.80	3885.66	3884.67	58.12	7.40	7835.85	4012.56	4011.57	58.12	7.40	8089.65
22	RAJASTHAN	239.70	11914.90	1.26	3.00	12158.86	759.89	62661.15	118.27	209.18	63748.49	999.59	74576.05	119.53	212.18	75907.35

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
23	TAMIL NADU	556.27	712.65	87.69	110.37	1466.98	6907.87	12978.46	2010.24	390.41	22286.98	7464.14	13691.11	2097.93	500.78	23753.96
24	TELENGANA	11933.97	9361.52	155.27	0.81	21451.57	30518.04	23044.51	129.80	12.17	53704.52	42452.01	32406.03	285.07	12.98	75156.09
25	TRIPURA	2329.00	2056.00	0.00	566.00	4951.00	35279.82	31052.69	131.00	6956.47	73419.98	37608.82	33108.69	131.00	7522.47	78370.98
26	UTTARAKHAND	4.00	2.00	0.00	0.00	6.00	4413.96	4263.18	280.27	699.59	9657.00	4417.96	4265.18	280.27	699.59	9663.00
27	UTTAR PRADESH	13598.22	15747.46	1314.23	1222.33	31882.24	43947.44	77051.71	11499.77	8889.79	141388.71	57545.66	92799.17	12814.00	10112.12	173270.95
28	WEST BENGAL	2345.99	1463.63	181.68	437.24	4428.54	99734.77	54646.21	9041.96	36236.91	199659.85	102080.76	56109.84	9223.64	36674.15	204088.39
	Total	151158.43	149278.68	15102.78	3888.75	319428.64	779444.29	689123.07	107781.24	99803.68	1676152.28	930602.72	838401.75	122884.02	103692.43	1995580.92

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.20.2: SEASON WISE POTENTIAL UTILISED THROUGH IN USE SURFACE LIFT SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.40	0.30	0.80	0.00	1.50	469.26	1006.06	823.12	147.47	2445.91	469.66	1006.36	823.92	147.47	2447.41
2	ANDHRA PRADESH	18481.22	8171.31	578.28	48.78	27279.59	35467.87	27611.62	2499.90	581.99	66161.38	53949.09	35782.93	3078.18	630.77	93440.97
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	10.00	5.00	0.00	0.00	15.00	10.00	5.00	0.00	0.00	15.00
4	ASSAM	359.01	291.30	0.30	2.40	653.01	26218.22	15960.87	33.15	90.03	42302.27	26577.23	16252.17	33.45	92.43	42955.28
5	BIHAR	304.16	158.85	56.54	59.00	578.55	26570.29	12127.48	2119.20	2005.43	4282240	26874.45	12286.33	2175.74	2064.43	43400.95
6	CHHATISGARH	336.76	234.21	0.00	0.00	570.97	14618.49	17234.93	13.29	1.44	31868.15	14955.25	17469.14	13.29	1.44	32439.12
7	GOA	0.00	40.00	130.81	0.70	171.51	0.63	271.55	1896.56	31.65	2200.39	0.63	311.55	2027.37	32.35	2371.90
8	GUJARAT	1.00	0.75	0.00	0.00	1.75	11740.37	11541.91	0.85	0.20	23283.33	11741.37	11542.66	0.85	0.20	23285.08
9	HARYANA	26.00	23.00	0.00	0.00	49.00	1774.01	1765.01	0.00	0.00	3539.02	1800.01	1788.01	0.00	0.00	3588.02
10	HIMACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	3659.16	3876.69	4.90	48.00	7588.75	3659.16	3876.69	4.90	48.00	7588.75
11	JAMMU & KASHMIR	209.00	52.00	0.00	0.00	261.00	4860.00	489.50	0.00	0.00	5349.50	5069.00	541.50	0.00	0.00	5610.50
12	JHARKHAND	135.83	99.44	15.79	16.21	267.27	33005.19	16002.66	2514.01	1688.71	53210.57	33141.02	16102.10	2529.80	1704.92	53477.84
13	KARNATAKA	2495.03	1634.55	138.43	1121.51	5389.52	72747.68	23795.50	10931.80	6119.61	113594.59	75242.71	25430.05	11070.23	7241.12	118984.11
14	KERALA	1115.19	1684.17	1848.45	119.56	4767.37	11127.32	13314.10	25705.00	8672.17	58818.59	12242.51	14998.27	27553.45	8791.73	63585.96
15	MADHYA PRADESH	192.56	1274.70	49.80	70.50	1587.56	6407.14	76224.27	660.17	518.59	83810.17	6599.70	77498.97	709.97	589.09	85397.73
16	MAHARASHTRA	68549.64	76022.36	10434.26	7.00	155013.26	177013.76	126100.18	35190.62	26276.16	364580.72	245563.40	202122.54	45624.88	26283.16	519593.98
17	MANIPUR	0.00	0.00	0.00	0.00	0.00	2789.00	804.00	12.00	9.00	3614.00	2789.00	804.00	12.00	9.00	3614.00
18	MEGHALAYA	0.00	0.00	0.00	0.00	0.00	129.00	6.00	2.00	7.00	144.00	129.00	6.00	2.00	7.00	144.00
19	NAGALAND	0.00	0.00	0.00	0.00	0.00	180.00	66.00	16.00	11.00	273.00	180.00	66.00	16.00	11.00	273.00
20	ODISHA	26597.05	17713.89	79.17	84.37	44474.48	119062.02	67739.91	1604.02	120.25	188526.20	145659.07	85453.80	1683.19	204.62	233000.68
21	PUNJAB	124.90	124.90	0.00	0.00	249.80	3863.74	3862.75	58.12	7.40	7792.01	3988.64	3987.65	58.12	7.40	8041.81
22	RAJASTHAN	236.10	11910.29	1.26	3.00	12150.65	759.89	62035.77	118.27	209.18	63123.11	995.99	73946.06	119.53	212.18	75273.76

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
23	TAMIL NADU	411.46	645.76	87.69	110.37	1255.28	6492.60	12679.89	1968.87	345.59	21486.95	6904.06	13325.65	2056.56	455.96	22742.23
24	TELENGANA	11861.63	9315.64	155.27	0.81	21333.35	30420.90	2296086	126.07	9.73	53517.56	42282.53	32276.50	281.34	10.54	74850.91
25	TRIPURA	2275.00	2041.00	0.00	566.00	4882.00	34714.32	30625.54	129.00	6938.47	72407.33	36989.32	32666.54	129.00	7504.47	77289.33
26	UTTARAKHAND	4.00	2.00	0.00	0.00	6.00	4074.06	3938.28	247.47	647.19	8907.00	4078.06	3940.28	247.47	647.19	8913.00
27	UTTAR PRADESH	13591.22	15736.46	1312.23	1219.83	31859.74	43386.37	76462.64	11339.65	8729.14	139917.80	56977.59	92199.10	12651.88	9948.97	171777.54
28	WEST BENGAL	2210.34	1395.62	169.14	422.71	4197.81	95109.28	53209.97	8831.70	35213.89	192364.84	97319.62	54605.59	9000.84	35636.60	196562.65
	Total	149517.50	148572.50	15058.22	3852.75	317000.97	766670.57	681718.94	106845.74	98429.29	1653664.54	916188.07	830291.44	121903.96	102282.04	1970665.51

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.20.3: SEASON WISE POTENTIAL UTILISED THROUGH TEMPORARILY NOT IN USE SURFACE LIFT SCHEMES

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	ANDAMAN & NICOBAR ISLANDS	0.00	0.00	0.00	0.00	0.00	5.04	6.73	5.31	1.10	18.18	5.04	6.73	5.31	1.10	18.18
2	ANDHRA PRADESH	624.11	106.18	0.00	0.00	730.29	227.17	274.31	0.00	0.00	501.48	851.28	380.49	0.00	0.00	1231.77
3	ARUNACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	15.00	10.00	10.00	0.00	35.00	15.00	10.00	10.00	0.00	35.00
4	ASSAM	47.50	26.40	0.50	14.40	88.80	1680.90	974.30	0.70	0.00	2655.90	1728.40	1000.70	1.20	14.40	2744.70
5	BIHAR	16.00	6.00	2.00	1.00	25.00	769.00	161.95	32.90	7.50	971.35	785.00	167.95	34.90	8.50	996.35
6	CHHATISGARH	3.88	15.90	0.00	0.00	19.78	86.38	77.09	0.00	0.00	163.47	90.26	92.99	0.00	0.00	183.25
7	GOA	0.00	0.00	0.00	0.00	0.00	0.00	2.66	0.00	0.00	2.66	0.00	2.66	0.00	0.00	2.66
8	GUJARAT	0.00	0.00	0.00	0.00	0.00	1.67	1.40	0.00	0.00	3.07	1.67	1.40	0.00	0.00	3.07
9	HARYANA	0.00	0.00	0.00	0.00	0.00	3.00	3.00	0.00	0.00	6.00	3.00	3.00	0.00	0.00	6.00
10	HIMACHAL PRADESH	0.00	0.00	0.00	0.00	0.00	215.29	215.29	0.00	14.00	444.58	215.29	215.29	0.00	14.00	444.58
11	JAMMU & KASHMIR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	JHARKHAND	0.62	0.50	0.00	0.00	1.12	596.86	210.76	18.94	15.46	842.02	597.48	211.26	18.94	15.46	843.14
13	KARNATAKA	2.50	0.20	0.40	0.00	3.10	41.18	2.54	2.86	1.00	47.58	43.68	2.74	3.26	1.00	50.68
14	KERALA	2.20	2.25	6.90	2.27	13.62	82.07	74.58	391.02	23.32	570.99	84.27	76.83	397.92	25.59	584.61
15	MADHYA PRADESH	0.00	0.00	0.00	0.00	0.00	68.96	266.82	8.00	4.68	348.46	68.96	266.82	8.00	4.68	348.46
16	MAHARASHTRA	37.10	41.50	18.70	0.00	97.30	291.46	49.51	1.94	0.00	342.91	328.56	91.01	20.64	0.00	440.21
17	MANIPUR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NAGALAND	0.00	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00	2.20	2.20	0.00	0.00	0.00	2.20
19	ODISHA	487.62	293.86	1.52	1.30	784.30	2061.25	1266.31	13.55	6.00	3347.11	2548.87	1560.17	15.07	7.30	4131.41
20	PUNJAB	2.00	2.00	0.00	0.00	4.00	21.92	21.92	0.00	0.00	43.84	23.92	23.92	0.00	0.00	47.84
21	RAJASTHAN	3.60	4.61	0.00	0.00	8.21	0.00	625.38	0.00	0.00	625.38	3.60	629.99	0.00	0.00	633.59
22	TAMIL NADU	144.81	66.89	0.00	0.00	211.70	415.27	298.57	41.37	44.82	800.03	560.08	365.46	41.37	44.82	1011.73
23	TELENGANA	72.34	45.88	0.00	0.00	118.22	97.14	83.65	3.73	2.44	186.96	169.48	129.53	3.73	2.44	305.18
24	TRIPURA	54.00	15.00	0.00	0.00	69.00	565.50	427.15	2.00	18.00	1012.65	619.50	442.15	2.00	18.00	1081.65

(In Hectares)

S.No.	State	Area Irrigated during 2017-2018														
		Inside Command of Major/Medium Project					Outside Command					Total				
		Kharif	Rabi	Perennial	Others	Total (3 to 6)	Kharif	Rabi	Perennial	Others	Total (8 to11)	Kharif (3+8)	Rabi (4+9)	Perennial (5+10)	Others (6+11)	Total (7 +12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
25	UTTARAKHAND	0.00	0.00	0.00	0.00	0.00	339.90	324.90	32.80	52.40	750.00	339.90	324.90	32.80	52.40	750.00
26	UTTAR PRADESH	7.00	11.00	2.00	2.50	22.50	561.07	589.07	160.12	160.65	1470.91	568.07	600.07	162.12	163.15	1493.41
27	WEST BENGAL	135.65	68.01	12.54	14.53	230.73	4625.49	1436.24	210.26	1023.02	7295.01	4761.14	1504.25	222.80	1037.55	7525.74
	Total	1640.93	706.18	44.56	6.00	2427.67	12773.72	7404.13	935.50	1374.39	22487.74	14414.65	8110.31	980.06	1410.39	24915.41

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.21: DISTRIBUTION OF IN USE SURFACE LIFT SCHEMES ACCORDING TO CONSTRAINTS IN UTILISATION OF POTENTIAL

(In Number)

S.No.	State	No. of Surface Lift Schemes having Constraints in utilisation of potential									
		No. of Schemes in use	No. of Schemes without constraints	Inadequate power supply	Mechanical Break Down	Less Discharge of Water	Storage not filled up fully	Siltation of Canal/ Storage	Channel Break Down	Others	Total(5 to 11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	ANDAMAN & NICOBAR ISLANDS	3254	2782	2	3	3	13	5	1	445	472
2	ANDHRA PRADESH	9080	7643	174	9	172	755	252	8	67	1437
3	ARUNACHAL PRADESH	1	0	0	0	0	0	0	0	1	1
4	ASSAM	7316	7301	0	2	0	0	0	0	13	15
5	BIHAR	4576	3750	141	212	64	230	73	4	102	826
6	CHHATISGARH	11845	9899	240	227	494	165	75	21	724	1946
7	GOA	1056	977	4	2	19	2	4	0	48	79
8	GUJARAT	17139	17132	5	0	0	0	0	0	2	7
9	HARYANA	619	516	58	10	0	10	0	5	20	103
10	HIMACHAL PRADESH	284	248	2	3	1	5	2	4	19	36
11	JAMMU & KASHMIR	99	96	2	0	0	0	0	0	1	3
12	JHARKHAND	16727	11804	318	203	736	1830	1092	46	698	4923
13	KARNATAKA	52728	49769	1721	395	588	172	27	1	55	2959
14	KERALA	21613	21094	62	56	114	49	46	6	186	519
15	MADHYA PRADESH	32701	32412	19	39	28	13	2	1	185	287
16	MAHARASHTRA	239132	125227	3500	104070	422	530	2321	119	2943	113905
17	MANIPUR	145	137	7	0	0	0	0	0	1	8
18	MEGHALAYA	3	2	0	0	0	0	0	0	1	1
19	NAGALAND	33	31	0	0	0	0	0	1	1	2
20	ODISHA	60627	42061	1367	3168	1229	1407	1497	120	9778	18566
21	PUNJAB	1366	1320	30	14	0	0	0	0	2	46
22	RAJASTHAN	12326	10185	99	133	528	943	0	2	436	2141
23	TAMIL NADU	3128	2523	148	83	80	147	7	7	133	605

(In Number)

S.No.	State	No. of Surface Lift Schemes having Constraints in utilisation of potential									
		No. of Schemes in use	No. of Schemes without constraints	Inadequate power supply	Mechanical Break Down	Less Discharge of Water	Storage not filled up fully	Siltation of Canal/ Storage	Channel Break Down	Others	Total(5 to 11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
24	TELENGANA	37145	34339	192	59	930	231	136	5	1253	2806
25	TRIPURA	2040	2033	0	0	1	1	0	0	5	7
26	UTTARAKHAND	421	357	0	1	7	4	1	41	10	64
27	UTTAR PRADESH	25745	21227	469	614	1193	730	213	67	1232	4518
28	WEST BENGAL	20803	17664	414	259	259	0	0	9	1903	2844
	Total	581952	422529	8974	109562	6868	7237	5753	468	20264	159126

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.22: DISTRIBUTION OF TANKS / RESERVOIR & OTHER STORAGE OF SURFACE LIFT SCHEMES BY STORAGE SIZE

(In Number)

S.No.	State	No. of Tanks/ Reservoir & Other Storages by Designed Storage					
		Not Available or Zero cubic mts	More than 0 and upto 100 cubic mts	More than 100 and upto 1000 cubic mts	More than 1000 and upto 10000 cubic mts	More than 10000 cubic mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	ANDAMAN & NICOBAR ISLANDS	0	55	1167	2185	2	3409
2	ANDHRA PRADESH	0	453	52	15	58	578
3	ASSAM	0	4801	3	1	1	4806
4	BIHAR	0	374	49	350	22	795
5	CHHATISGARH	0	689	210	443	579	1921
6	GOA	0	224	181	36	15	456
7	GUJARAT	0	13	1	8615	8511	17140
8	HARYANA	0	19	0	0	0	19
9	HIMACHAL PRADESH	0	55	34	21	8	118
10	JAMMU & KASHMIR	0	0	0	1	0	1
11	JHARKHAND	0	544	2167	9038	1110	12859
12	KARNATAKA	0	2450	27	114	0	2591
13	KERALA	0	4936	9062	2800	547	17345
14	MADHYA PRADESH	0	1324	1021	4136	116	6597
15	MAHARASHTRA	0	13484	1200	421	669	15774
16	MEGHALAYA	0	0	0	1	0	1
17	NAGALAND	0	9	4	0	0	13
18	ODISHA	0	2074	1534	4877	3869	12354
19	PUNJAB	0	10	1	1	1	13
20	RAJASTHAN	0	114	37	2454	427	3032
21	TAMIL NADU	0	949	107	503	41	1600
22	TELENGANA	0	1211	505	228	329	2273

(In Number)

S.No.	State	No. of Tanks/ Reservoir & Other Storages by Designed Storage					
		Not Available or Zero cubic mts	More than 0 and upto 100 cubic mts	More than 100 and upto 1000 cubic mts	More than 1000 and upto 10000 cubic mts	More than 10000 cubic mts	Total (3 to 7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
23	TRIPURA	0	0	0	0	6	6
24	UTTARAKHAND	0	31	1	0	1	33
25	UTTAR PRADESH	0	4096	1729	3496	1935	11256
26	WEST BENGAL	0	0	2261	13586	0	15847
	Total	0	37915	21353	53322	18247	130837

MINOR IRRIGATION CENSUS (2017-18)

TABLE 6.23: DISTRIBUTION OF TANKS/ PONDS/ RESERVOIRS OF SURFACE LIFT SCHEMES BY CCA CLASSES

(In Number)

S.No.	State	No. of Public Tanks/Reservoirs & Other Storages by CCA Classes							No. of Private Tanks/Reservoirs & Other Storages by CCA Classes						
		CCA Classes							CCA Classes						
		0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (3 to 8)	0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	ANDAMAN & NICOBAR ISLANDS	501	0	0	0	0	0	501	2752	0	0	0	0	0	2752
2	ANDHRA PRADESH	87	20	23	9	1	1	141	417	1	4	2	0	0	424
3	ASSAM	63	54	42	71	6	1	237	4567	1	1	0	0	0	4569
4	BIHAR	343	2	10	0	0	0	355	187	3	19	0	0	0	209
5	CHHATISGARH	695	30	5	0	0	0	730	1129	5	9	1	0	0	1144
6	GOA	56	3	1	0	0	0	60	395	1	0	0	0	0	396
7	GUJARAT	17134	0	0	0	0	0	17134	3	0	0	0	0	0	3
8	HARYANA	1	0	0	0	0	0	1	18	0	0	0	0	0	18
9	HIMACHAL PRADESH	34	3	5	0	0	0	42	76	0	0	0	0	0	76
10	JAMMU & KASHMIR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	JHARKHAND	4942	141	83	0	0	0	5166	7228	28	46	0	0	0	7302
12	KARNATAKA	149	15	6	3	0	0	173	1944	11	4	1	0	0	1960
13	KERALA	1897	83	56	8	2	0	2046	15076	70	22	1	1	0	15170
14	MADHYA PRADESH	769	217	216	130	9	0	1341	829	73	56	31	11	0	1000
15	MAHARASHTRA	2130	23	14	8	0	0	2175	11788	50	16	9	2	0	11865
16	MEGHALAYA	1	0	0	0	0	0	1	0	0	0	0	0	0	0
17	NAGALAND	0	0	0	0	0	0	0	13	0	0	0	0	0	13
18	ODISHA	1692	89	63	5	0	0	1849	10225	55	33	2	0	0	10315
19	PUNJAB	7	0	1	0	0	0	8	5	0	0	0	0	0	5
20	RAJASTHAN	208	27	23	4	0	0	262	2734	2	7	0	0	0	2743
21	TAMIL NADU	185	17	20	2	0	0	224	525	48	55	7	0	0	635

S.No.	State	No. of Public Tanks/Reservoirs & Other Storages by CCA Classes							No. of Private Tanks/Reservoirs & Other Storages by CCA Classes						
		CCA Classes							CCA Classes						
		0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (3 to 8)	0 to 20 ha	20 to 40 ha	40 to 100 ha	100 to 500 ha	500 to 1000 ha	1000 to 2000 ha	Total (10 to 15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
22	TELENGANA	50	9	3	0	2	0	64	2142	0	1	0	0	0	2143
23	TRIPURA	2	3	1	0	0	0	6	0	0	0	0	0	0	0
24	UTTARAKHAND	21	4	6	0	0	0	31	1	0	1	0	0	0	2
25	UTTAR PRADESH	3080	213	134	5	0	2	3434	5391		11	0	0	0	5408
26	WEST BENGAL	2629	44	26	0	0	0	2699	12664	157	100	0	0	0	12921
	Total	36676	997	738	245	20	4	38680	80109	511	385	54	14	0	81073

Appendices

Table A-1: Districts with more than 1 Lakh MI schemes

State	District	Number of schemes
ANDHRA PRADESH	SPS Nellore	106164
ANDHRA PRADESH	YSR	106765
ANDHRA PRADESH	Prakasam	108291
ANDHRA PRADESH	Ananthapur	153489
ANDHRA PRADESH	Chittoor	200146
GUJARAT	Amreli	103994
GUJARAT	Junagadh	123248
GUJARAT	Rajkot	170196
KARNATAKA	Tumkur	137038
KARNATAKA	Belgaum	151463
MADHYA PRADESH	Ujjain	101788
MADHYA PRADESH	Dhar	109691
MADHYA PRADESH	Mandsaur	114987
MAHARASHTRA	Dhule	100558
MAHARASHTRA	Kohlapur	112435
MAHARASHTRA	Osmanabad	113592
MAHARASHTRA	Satara	124463
MAHARASHTRA	Wardha	125575
MAHARASHTRA	Amravati	132380
MAHARASHTRA	Jalna	133322
MAHARASHTRA	Buldana	143685
MAHARASHTRA	Nagpur	146857
MAHARASHTRA	Aurangabad	150693
MAHARASHTRA	Sangli	174606
MAHARASHTRA	Jalgaon	202265
MAHARASHTRA	Pune	228871
MAHARASHTRA	Ahmadnagar	233425
MAHARASHTRA	Nashik	241371
MAHARASHTRA	Solapur	303527
PUNJAB	Ludhiana	102173

State	District	Number of schemes
PUNJAB	Sangrur	102177
RAJASTHAN	Chittorgarh	100978
RAJASTHAN	Bhilwara	108163
TAMIL NADU	Erode	102209
TAMIL NADU	Namakkal	106664
TAMIL NADU	Tiruppur	108878
TAMIL NADU	Dindigul	122627
TAMIL NADU	Vellore	123920
TAMIL NADU	Salem	131957
TAMIL NADU	Villuppuram	180858
TAMIL NADU	Tiruvannamalai	190489
TELANGANA	Siddipet	102913
TELANGANA	Nalgonda	112326
TELANGANA	Nizamabad	117721
UTTAR PRADESH	Shahjahanpur	102338
UTTAR PRADESH	Deoria	104178
UTTAR PRADESH	Gonda	126483
UTTAR PRADESH	Barabanki	128160
UTTAR PRADESH	Basti	133217
UTTAR PRADESH	Hardoi	149458
UTTAR PRADESH	Kheri	155532
UTTAR PRADESH	Sitapur	186333

Table A-2: Districts with more than 1 Lakh MI schemes in USE

State	District	Number of schemes
ANDHRA PRADESH	Chittoor	125332
ANDHRA PRADESH	Ananthapur	113007
GUJARAT	Junagadh	123103
GUJARAT	Rajkot	169954
GUJARAT	Amreli	103991
KARNATAKA	Belgaum	151227
KARNATAKA	Tumkur	135872
MADHYA PRADESH	Dhar	109139
MADHYA PRADESH	Mandsaur	113947
MADHYA PRADESH	Ujjain	101344
MAHARASHTRA	Ahmadnagar	229032
MAHARASHTRA	Satara	124357
MAHARASHTRA	Osmanabad	112982
MAHARASHTRA	Wardha	125472
MAHARASHTRA	Solapur	301575
MAHARASHTRA	Kolhapur	109951
MAHARASHTRA	Nagpur	146825
MAHARASHTRA	Jalgaon	202259
MAHARASHTRA	Aurangabad	150244
MAHARASHTRA	Jalna	132122
MAHARASHTRA	Nashik	240934
MAHARASHTRA	Amravati	130064
MAHARASHTRA	Pune	228634
MAHARASHTRA	Sangli	173029
MAHARASHTRA	Buldana	143685
PUNJAB	Ludhiana	102166
PUNJAB	Sangrur	102167
RAJASTHAN	Bhilwara	101728
TAMIL NADU	Tiruvannamalai	181992
TAMIL NADU	Vellore	102027

State	District	Number of schemes
TAMIL NADU	Tiruppur	100907
TAMIL NADU	Salem	126484
TAMIL NADU	Dindigul	105463
TAMIL NADU	Villuppuram	177857
TELENGANA	Nizamabad	117697
TELENGANA	Nalgonda	110646
UTTAR PRADESH	Hardoi	149445
UTTAR PRADESH	Shahjahanpur	102327
UTTAR PRADESH	Basti	130187
UTTAR PRADESH	Kheri	155514
UTTAR PRADESH	Sitapur	185798
UTTAR PRADESH	Gonda	126472
UTTAR PRADESH	Barabanki	128007

Table A-3: Districts with more than 10 thousands Surface Water MI schemes

State	District	Number of schemes
ANDHRA PRADESH	Vizianagaram	10502
KARNATAKA	Davanagere	11829
KARNATAKA	Yadgir	12160
KARNATAKA	Belgaum	17975
KARNATAKA	Bagalkot	23151
MAHARASHTRA	Buldana	10001
MAHARASHTRA	Aurangabad	10075
MAHARASHTRA	Hingoli	10860
MAHARASHTRA	Sangli	11476
MAHARASHTRA	Yavatmal	11644
MAHARASHTRA	Gadchiroli	14267
MAHARASHTRA	Nashik	14904
MAHARASHTRA	Pune	19828
MAHARASHTRA	Nanded	20846
MAHARASHTRA	Nagpur	24863
MAHARASHTRA	Kolhapur	32265
MAHARASHTRA	Solapur	50178

Table A-4: Districts with more than 10 thousands Surface Water MI schemes (In use)

State	District	Number of schemes
ANDHRA PRADESH	Vizianagaram	10278
KARNATAKA	Yadgir	11532
KARNATAKA	Davanagere	11824
KARNATAKA	Bagalkot	23124
KARNATAKA	Belgaum	17952
MAHARASHTRA	Hingoli	10860
MAHARASHTRA	Nanded	20844
MAHARASHTRA	Gadchiroli	14267
MAHARASHTRA	Yavatmal	11644
MAHARASHTRA	Solapur	50159
MAHARASHTRA	Kolhapur	32205
MAHARASHTRA	Nagpur	24863
MAHARASHTRA	Aurangabad	10073
MAHARASHTRA	Nashik	14796
MAHARASHTRA	Pune	19591
MAHARASHTRA	Sangli	10868
MAHARASHTRA	Buldana	10001

Table A-5: Districts with more than one Lakhs Ground Water 'In use' MI schemes

State	District	Number of schemes
ANDHRA PRADESH	Chittoor	122908
ANDHRA PRADESH	Ananthapur	112067
GUJARAT	Junagadh	122271
GUJARAT	Rajkot	165477
GUJARAT	Amreli	101998
KARNATAKA	Belgaum	133275
KARNATAKA	Tumkur	134441
MADHYA PRADESH	Dhar	107324
MADHYA PRADESH	Mandsaur	112814
MAHARASHTRA	Ahmadnagar	219758
MAHARASHTRA	Satara	115250
MAHARASHTRA	Osmanabad	103277
MAHARASHTRA	Wardha	122174
MAHARASHTRA	Solapur	251416
MAHARASHTRA	Nagpur	121962
MAHARASHTRA	Jalgaon	200501
MAHARASHTRA	Aurangabad	140171
MAHARASHTRA	Jalna	125424
MAHARASHTRA	Nashik	226138
MAHARASHTRA	Amravati	127807
MAHARASHTRA	Pune	209043
MAHARASHTRA	Sangli	162161
MAHARASHTRA	Buldana	133684
PUNJAB	Ludhiana	102166
PUNJAB	Sangrur	102167
RAJASTHAN	Bhilwara	101483
TAMIL NADU	Tiruvannamalai	180355
TAMIL NADU	Vellore	101351
TAMIL NADU	Tiruppur	100881
TAMIL NADU	Salem	126256

State	District	Number of schemes
TAMIL NADU	Dindigul	105020
TAMIL NADU	Villuppuram	176058
TELENGANA	Nizamabad	115561
TELENGANA	Nalgonda	106696
UTTAR PRADESH	Shahjahanpur	102327
UTTAR PRADESH	Basti	129008
UTTAR PRADESH	Kheri	155514
UTTAR PRADESH	Sitapur	185787
UTTAR PRADESH	Gonda	126472
UTTAR PRADESH	Barabanki	127837
UTTAR PRADESH	Hardoi	149445

Table A-6: Districts with more than 5 Lakhs IPC in MI schemes

State	District	IPC (Ha)
MAHARASHTRA	Ahmadnagar	672461.31
MAHARASHTRA	Pune	549238.93
MAHARASHTRA	Solapur	632397.9
PUNJAB	Ludhiana	551818.97
PUNJAB	Sangrur	606666.32
RAJASTHAN	Alwar	527002.72
RAJASTHAN	Jodhpur	764377.33
TAMIL NADU	Erode	636702.88
TAMIL NADU	Tirunelveli	516586.74
TAMIL NADU	Villuppuram	650201.00
TELENGANA	Nizamabad	592606.37
UTTAR PRADESH	Baharaich	597689.78
UTTAR PRADESH	Bareilly	749825.42
UTTAR PRADESH	Basti	604895.22
UTTAR PRADESH	Bijnor	534926.42
UTTAR PRADESH	Gonda	683783.87
UTTAR PRADESH	Hardoi	872273.68
UTTAR PRADESH	Sitapur	850507.96
UTTAR PRADESH	Kheri	762411.16
UTTAR PRADESH	Raebareli	576844.15

Table A-7: Districts with more than 4 Lakhs IPU in MI schemes

State	District	IPC (Ha)
MAHARASHTRA	Ahmadnagar	596501.98
MAHARASHTRA	Aurangabad	439222.34
MAHARASHTRA	Jalgaon	410791.53
MAHARASHTRA	Nashik	448795.56
MAHARASHTRA	Pune	505454.63
MAHARASHTRA	Sangli	400292.97
MAHARASHTRA	Solapur	551093.65
PUNJAB	Jalandhar	405901.21
PUNJAB	Ludhiana	550963.63
PUNJAB	Patiala	447738.73
PUNJAB	Sangrur	546573.20
RAJASTHAN	Alwar	504013.94
RAJASTHAN	Bikaner	431601.47
RAJASTHAN	Jodhpur	722623.77
TAMIL NADU	Cuddalore	462442.33
TAMIL NADU	Erode	551413.97
TAMIL NADU	Tirunelveli	444191.08
TAMIL NADU	Villuppuram	634045.24
TELENGANA	Nizamabad	487621.60
UTTAR PRADESH	Baharaich	487857.12
UTTAR PRADESH	Bareilly	717105.96
UTTAR PRADESH	Basti	481430.36
UTTAR PRADESH	Bijnor	421213.72
UTTAR PRADESH	Budaun	409188.86
UTTAR PRADESH	Gonda	521247.57
UTTAR PRADESH	Hardoi	658122.49
UTTAR PRADESH	Kheri	614413.19
UTTAR PRADESH	Shahjahanpur	436662.05
UTTAR PRADESH	Sitapur	684638.15

Table A-8: Districts with more than 3 Lakhs IPU in Ground Water 'in Use' MI schemes

State	District	IPC (Ha)
GUJARAT	Junagadh	334644.45
GUJARAT	Rajkot	315923.69
MADHYA PRADESH	Ujjain	371194.75
MADHYA PRADESH	Vidisha	311717.81
MAHARASHTRA	Ahmadnagar	569664.90
MAHARASHTRA	Solapur	424056.20
MAHARASHTRA	Jalgaon	386308.58
MAHARASHTRA	Jalna	343516.28
MAHARASHTRA	Nashik	423351.47
MAHARASHTRA	Pune	448676.83
MAHARASHTRA	Sangli	333052.06
PUNJAB	Amritsar	358113.83
PUNJAB	Gurdaspur	378247.55
PUNJAB	Hoshiarpur	314701.27
PUNJAB	Jalandhar	405884.31
PUNJAB	Ludhiana	550929.75
PUNJAB	Moga	333784.34
PUNJAB	Patiala	440277.17
PUNJAB	Sangrur	546529.68
PUNJAB	Tarn Taran	326415.33
RAJASTHAN	Bikaner	429589.41
RAJASTHAN	Jodhpur	715216.85
RAJASTHAN	Alwar	503857.37
RAJASTHAN	Jalore	339912.74
RAJASTHAN	Nagaur	348729.27
RAJASTHAN	Jaipur	344927.38
RAJASTHAN	Barmer	340789.88
RAJASTHAN	Bharatpur	353696.12
TAMIL NADU	Erode	532434.55

State	District	IPC (Ha)
TAMIL NADU	Tirunelveli	405860.86
TAMIL NADU	Dharmapuri	361867.96
TAMIL NADU	Cuddalore	460756.64
TAMIL NADU	Villuppuram	601771.36
TELENGANA	Nizamabad	369965.85
UTTAR PRADESH	Baharaich	487816.02
UTTAR PRADESH	Bareilly	717031.46
UTTAR PRADESH	Bijnor	421007.44
UTTAR PRADESH	Raebareli	367791.32
UTTAR PRADESH	Firozabad	306480.20
UTTAR PRADESH	Buland Sahar	309291.96
UTTAR PRADESH	Hardoi	658083.09
UTTAR PRADESH	Budaun	409156.86
UTTAR PRADESH	Ambedakar Nagar	336035.29
UTTAR PRADESH	Shahjahanpur	436613.64
UTTAR PRADESH	Kanpur Nagar	336328.61
UTTAR PRADESH	Aligarh	332348.14
UTTAR PRADESH	Basti	469695.42
UTTAR PRADESH	Kheri	614343.72
UTTAR PRADESH	Sitapur	684494.50
UTTAR PRADESH	Gonda	521208.77
UTTAR PRADESH	Barabanki	315504.88
UTTAR PRADESH	Pilibhit	309000.56

Table A-9: Districts with more than 50 thousands IPU in Surface Water 'In use' MI schemes

State	District	IPC (Ha)
ANDHRA PRADESH	Vizianagaram	96632.74
ANDHRA PRADESH	Krishna	60226.34
ANDHRA PRADESH	Visakhapatnam	67065.27
ANDHRA PRADESH	Srikakulam	95097.36
ANDHRA PRADESH	Sps Nellore	85595.14
MAHARASHTRA	Solapur	126530.44
MAHARASHTRA	Kolhapur	96886.74
MAHARASHTRA	Aurangabad	159280.54
MAHARASHTRA	Amravati	61098.82
MAHARASHTRA	Pune	56195.64
MAHARASHTRA	Sangli	65871.25
ODISHA	Ganjam	125856.29
ODISHA	Koraput	54083.33
TAMIL NADU	Pudukkottai	57050.01
TELENGANA	Nizamabad	117648.50
TELENGANA	Jayashankar Bhupalpally	51284.78
UTTARAKHAND	Udham Singh Nagar	73499.18
WEST BENGAL	Bankura	60597.35

Appendix - II

Comments from States/UTs regarding reasons for reduction/increase in number of schemes and other parameters in 6th MI census as compared to 5th MI census

STATE/UT	ISSUE	REASONS/ REMARKS
Andhra Pradesh	Reduction in surface water scheme.	• Encroachments due to urbanization, decrease in catchment area, obstacles in free flow of water from higher level and silting caused in unusable tanks. • Depletion of ground water due to insufficient rains in some regions.
Assam	Increase in the no. of schemes	Due to increase in investment and planning from both government and private sector.
Chhattisgarh	Decrease in the no. of schemes	Due to less rain, reduction of Agricultural land due to urbanization and industrialization.
Sikkim	Reasons for the loss of CCA, IPU, IPC.	Construction of road under Pradhan Mantri Gram Sadak Yojana (PMGSY) & Government buildings.
Tamil Nadu	Increase in Ground water schemes.	Drought condition and lower rainfall lead to declining dependability on Surface Water schemes. Moreover, difficulties in maintaining Dug wells like desilting, low ground water recharge, increasing average ground water level lead to high dependency on medium and deep tube wells.
Haryana	Decrease in no. of schemes.	Due to fall in water level, industrialization & land acquisition.
Jammu & Kashmir	Increase in No. of ground water resources.	• Depletion of surface water resources. • Irrigation almost on daily basis is feasible through ground water schemes only. • Government assistance through Centrally Sponsored Schemes to those areas where irrigation through surface flow is not possible.
	Decrease in no. of surface water resources.	• Drying up of various tributaries & sub tributaries of various canals because of extinction of glaciers.

STATE/UT	ISSUE	REASONS/ REMARKS
		• Other factors such as climate change, Drought, overutilization of water.
Kerala	Decline in No. of Ground water schemes	• Decrease in Ground Water Level due to climate change urged farmers to prefer Tube wells than Dug wells which result in the decrease in number of Dug wells. Paving of tiles on surface yards adversely affected the percolation of water into the earth. • Due to high industrialization, urbanization, increase in cost of cultivation, socio-economic changes among the population cause decrease in cultivable land. There is a tendency among the farmers that the cultivable lands either lie barren or used for non-agricultural purposes. This resulted into reduction in CCA, IPC & IPU. • In the 5th Census, Dug wells and Tube wells partly used for irrigation and domestic purposes were included. But in the 6th MI Census, the scheme which gives more than 50% priority related to irrigation was included in the enumeration. • Large number of Check Dams were constructed during the last 5 years before 6th Census with reference year 2017-18 which results increase in surface flow schemes.
Punjab	Decrease in No. of schemes/ CCA/IPC/IPU	Due to urbanization.
Manipur	Increase in no. of surface water schemes	Due to coverage of new MI schemes both surface flow and surface lift under Pradhan Mantri Krishi Sinchai Yojna.
Puducherry	Reduction of schemes	• The Urbanization of the adjacent Rural areas around Puducherry, conversion of Agricultural Lands into Residential Layouts, and non availability of laboures in the field of Agriculture are the major reasons for reduction in minor irrigation schemes in comparison with 5th Minor Irrigation Census Schemes.

STATE/UT	ISSUE	REASONS/ REMARKS
		• The Ground Water regime of Puducherry is facing various Problems which includes De-saturation of shallow alluvial aquifer zone and Deterioration of quality of ground water in some places, which are posing grave concern for the water resources management of Puducherry.
Telangana	Reasons for the increase in IPC/IPU.	• The intensive focus of the government on the improvement of access to irrigation facilities. • Projects undertaken by the Government of Telengana for rejuvenation of water bodies. • Restoration of all minor irrigation tanks and water bodies in the State under 'Mission Kakatiya'. • Linking of MI tanks with major and medium projects by construction of sluices and check dams for rejuvenation of streams and rivers flowing through the project command areas. • Increase in Ground water level due to excess rainfall. • Providing free power supply to farmers by the government.
Maharashtra	Increase in No. of schemes.	• Surface Water: The number of surface water schemes has increased significantly due to Jalyukt Shiver Abhiyan and other water conservation schemes and also the repairing of ponds and canals under the government schemes. • Ground Water: The number of ground water schemes has increased due to a large number of wells and tubewells constructed under various government schemes (i.e. Mahatma Gandhi National Rural Employment Guarantee Act 2005 (MGNREGA) & others) and also individually by farmers for agricultural irrigation and household use.

STATE/UT	ISSUE	REASONS/ REMARKS
Goa	Decrease in No. of schemes	• Shift of irrigation sources from irrigation to non-irrigation uses. • Bhandaras (water conservation cum recharge structures) are converted into eco farms/touristic spots.
West Bengal	Reasons for increase in IPC/IPU covered from Ground water schemes.	Due to improved irrigation system coupled with innovative agricultural practices.
Tripura	Reasons for the reduction in Ground water schemes /IPC/IPU.	Due to Landslides, depletion of Ground water level, conversion of lands into brick field, pisciculture, Construction of roads.
Himachal Pradesh	Increase in the number of schemes.	Due to construction of new schemes.
Bihar	Increase in the number of schemes.	Due to implementation of new MI schemes and access to easy source of financing of the schemes.
Rajasthan	Variation in the number of schemes.	Decrease in Dugwells/ Shallow/Medium tubwells is attributed to fall in ground water level. Increase in surface flow schemes is due to construction of anicut structures for irrigating fields whereas fall in surface lift schemes is attributed to less storage of water due to decrease in rain fall.
Odisha	Variation in the number of schemes.	Reduction in Dug wells, Shallow tube well and surface flow schemes is mainly due to dereliction for decrease in ground water level and lack of maintenance, whereas increase in other schemes is mainly due to replacement of small projects by big community irrigation projects.
Uttarakhand	Decrease in ground water schemes	Due to urbanization
Meghalaya	Decrease in number of schemes	Number of schemes have reduced due to merging of various privately owned schemes under a bigger sized Government sponsored projects.

STATE/UT	ISSUE	REASONS/ REMARKS
		Several check dams which were temporary in nature have been damaged due to flash floods. Due to lack of maintenance of check dams or canal systems, the permanent structures have become non functional. There are some command area located near the cold belt areas which have been damaged due to contamination by acidic water that flows from the cold depots, thereby decreasing the overall command area of the districts.
Uttar Pradesh	Variation in the number of schemes.	Low water strata in many districts have lead to preference of medium or deep tubewell over shallow tubewell. The construction of new check dams is the main reason for increase in surface lift schemes while non availability of adequate water may be the reason for less number of surface flow schemes.

CONCEPTS AND DEFINITIONS:

Culturable Command Area (CCA):

The area which can be irrigated from a scheme and is fit for cultivation.

Cultivable area:

It consists of net area sown, current fallow, fallow lands, other than current fallow, culturable waste and land under miscellaneous tree crops.

Gross Irrigated Area:

The area irrigated under various crops during a year, counting the area irrigated under more than one crop during the same year as many times as the number of crops grown and irrigated.

Net Irrigated area:

Net irrigated area is the area cultivated and irrigated at least once in the reference year in any one season or for any one crop.

Irrigation Potential Created (IPC):

The total gross area proposed to be irrigated under different crops during a year by a scheme. The area proposed to be irrigated under more than one crop during the same year is counted as many times as the number of crops grown and irrigated. If original Irrigation Potential of the scheme is not known then the maximum area irrigated during the past five year or so may be taken as the IPC.

Irrigation Potential Utilised (IPU):

The gross area actually irrigated during reference year out of the gross proposed area to be irrigated by the scheme during the year.

Minor Irrigation (M.I.) Scheme:

A scheme having CCA up to 2,000 hectares individually is classified as minor irrigation scheme. It will also include the schemes meant only for recharge of ground water.

Medium Irrigation Scheme:

A scheme having CCA more than 2,000 hectares and up to 10,000 hectares individually is a medium irrigation scheme.

Major Irrigation Scheme:

A scheme having CCA more than 10,000 hectares is major irrigation scheme.

Sprinkler Irrigation System:

Sprinkler Irrigation is a method of applying irrigation water which is similar to rainfall. Water is distributed through a system of pipes usually by pumping. It is then sprayed into the air of entire soil surface through spray heads so that it breaks up into small water drops which fall to the ground.

Drip irrigation system:

Drip irrigation system delivers water to the crop using a network of mainlines, sub-mains and lateral lines with emission points spaced along their lengths. Each dripper/emitter, orifice supplies a measured, precisely controlled uniform application of water, nutrients, and other required growth substances directly into the root zone of the plant.

Non- Submersible or Centrifugal Pump:

The most common type of pump. Typically the pump is "close-coupled" to an electric motor, that is, the pump is mounted right on the end of the motor's drive shaft and the pump case is bolted straight into the motor so that it looks like a single unit. The water typically enters the pump through a "suction inlet" centered on one side of the pump, and exits at the top. Almost all portable pumps are end-suction centrifugals. If the pump isn't one of the next two types, then chances are it is an end-suction centrifugal. This type of pump needs to be installed on a pad above the high water level if pumping from a lake or river.

Submersible Pump:

Submersible pumps are installed completely underwater, including the motor. The pump consists of an electric motor and pump combined in a single unit. Typically the pump will be shaped like a long cylinder so that it can fit down inside of a well casing. Although most submersibles are designed to be installed in a well, many can also be laid on their side on the bottom of a lake or stream. Another common installation method for lakes and rivers is to mount the submersible pump underwater to the side of a pier pile (post). Submersibles don't need to be primed since they are already under water. They also tend to be more efficient because they only push the water, they don't need to suck water into them. Most submersible pumps must be installed in a special sleeve if they are not installed in a well, and sometimes they need a sleeve even when installed in a well. The sleeve forces water coming into the pump to flow over the surface of the pump motor to keep the motor cool. Without the sleeve the pump will burn up. Because the power cord runs down to the pump through the water it is very important that it be protected from accidental damage.

Turbines and Jet Pumps:

A turbine pump is basically a centrifugal pump mounted underwater and attached by a shaft to a motor mounted above the water. The shaft usually extends down the center of a large pipe. The water is pumped up this pipe and exits directly under the motor. Turbine pumps are very efficient and are used primarily for larger pump applications. They are typically the type of pumps used on municipal water system wells. When you see a huge motor mounted on its end over a well that is most likely a turbine pump. One uses turbine pumps for large parks and golf courses where we are pumping from lakes. The turbine pump is mounted in a large concrete vault with a pipe connecting it to the lake. The water flows by gravity into the vault where it enters the pump. The pump motors are suspended over the vault on a frame. A jet pump is similar to a turbine pump but it works by redirecting water back down to the intake to help lift the water.

Water body:

All natural or man-made units bounded on all sides with some or no masonry work used for storing water for irrigation or other purposes are covered under water bodies. These of usually of various types known by different names like tank, reservoirs, ponds and bundhies etc. The distinction among various types of water bodied, however, is not very explicit.

Ponds:

A small body of water usually earthen though masonry dykes are also included and shallow made through excavations which represent a restricted environment. Ponds usually describe small bodies of water generally no one would require a boat to cross.

Tanks:

A shallow water unit usually larger than a pond created by constructing earthen or masonry barricades which receives water either from tube wells or rains.

Reservoirs:

A large man made impoundment of varying magnitude created by erecting, bunds, dams, barrages or other hydraulic structures across streams or rivers serving one or more purposes such as irrigation, power generation, flood control or other water resource development projects.

1. GROUND WATER SCHEMES

A. Dug-well: It covers ordinary open wells of varying dimension dug or sunk from the ground surface into water bearing stratum to extract water for irrigation purposes. These are broadly dug-cum-bore wells now-a-days or masonry wells/ kutcha wells water from which are lifted with the help of animals/ human. Most of such schemes are of private nature belonging to individual cultivator. The parameter of the well ranges between 2 to 6 meters and the depth between 8 and 15 meters. CCA of a well operated with the help of human/ animals generally varies from 1 to 2 hectares and in case of Dug-cum-Bore Well it may be as in case of a Tube Well of similar capacity and depth of bore.

B. Shallow tube-well: It consists of a bore hole built into ground with the purpose of tapping ground water from porous zones. In sedimentary formations depth of a shallow tube well does not exceed 35 meters. These tube wells are either cavity tube-wells or strainer tube-wells. These are usually drilled by percussion method using hand boring sets and sometimes percussion rigs. Success and popularity of the scheme depends on how cheap they are. A coir structure formed by binding coir strings over an iron frame is being used as strainer. In shallow water table areas, bamboo frames are also used. Sometimes steel pipe casing are replaced by pipes constructed by rapping bituminised gunny bags over the bamboo frame. These are called bore wells, in which bore-hole is stable without a lining in the bottom portion and a tube is inserted only in the upper zone. The shallow tube wells are generally operated for 6 to 8 hours during irrigation season and give yield of 100-200 cubic meters per day, which is roughly 2 times that of a dug well. Their CCA may go up to 10 hectares.

C. Medium Tube Well: It consists of a bore hole built into ground with the purpose of tapping ground water from porous zones. In sedimentary formations depth of a medium tube well will be in the range of 35-70 meters. The medium tube wells are generally operated for 8-10 hours during irrigation season and give yield of 200-300 cubic meters per day, which is roughly 3 times that of a dug well. Their CCA may go from 10-15 hectares.

D. Deep tube wells: It usually extends to the depth of 70 meter and more and is designed to give a discharge of 100 to 200 cubic meters per hour. The deep tube wells are drilled by rotary percussion or rotary cum percussion rigs. These tube wells operate round the clock during the irrigation season, depending upon the availability of power. Their annual output is roughly 15 times that of an average shallow tube well and are usually constructed as public scheme which are owned and operated by government departments or corporations. Their CCA may go up to 50 hectares.

2. SURFACE WATER SCHEMES

A. Surface flow irrigation scheme:

These schemes use rainwater for irrigation purposes either by storing it or by diverting it from a stream, nalah or river. Sometimes, permanent diversions are constructed for utilising the flowing water of a stream or river. Temporary diversions are also constructed in many areas which are usually washed away during the rainy season. The small storage tanks are called ponds or bundhis which are mostly community owned. The command areas of such schemes are 20 hectares or less. The large storage tanks whose command varies from 20 to 2000 hectares are generally constructed by government departments or local bodies. These are the biggest items of surface minor irrigation works.

i. Storage schemes(Tanks and other storages)

Storage schemes include tanks and reservoirs which impound water of streams and rivers for irrigation purposes. After wells, tanks occupy a very important place under the minor irrigation programme. They provide nearly two-third of the total irrigation from minor sources in the States of Andhra Pradesh, Karnataka, Kerala, Maharashtra, Orissa and Tamilnadu. Tracts with undulating topography and rocky sub-strata are eminently suitable for tank irrigation. Besides, there exists scope for further construction of tanks in many areas. A large number of existing tanks in southern States have gone into disuse due to long neglect of repairs. Renovation of these tanks so as to restore the lost irrigation potential is being accorded priority under the minor irrigation programme.

The essential features of these schemes are:

a. a bund or a dam which is generally of earth, but is also sometimes partly or fully masonry,

b. anicut and feeder channels to divert water from adjoining catchments,

c. a waste weir to dispose of surplus flood water,

d. sluice or sluices to let out water for irrigation, and

e. conveyance and distribution system.

The size of the storage is determined by the run-off expected on the basis of dependable monsoon rainfall in the catchment and by the fact whether the rainfall and cropping pattern would permit more than one filling of the tank.

ii. Diversion schemes :

These schemes aim at providing gravity flow irrigation by mere diversion of stream water supply without creating any storage. As compared to storage schemes they are economical but their feasibility is dependent on the presence of flow in the stream at the time of actual irrigation requirements. Essentially such schemes consist of

a. an obstruction (weir) or bund constructed across the stream for raising and diverting water; the weir being called anicut in the South, bandhara in Maharashtra and Gujarat, and Bandh in the Assam region, and

b. an artificial channel, known as kul in the hilly areas, pyne in Chhota Nagpur and Bihar and dong in the Assam region.

In case of small schemes which have prominent scope in the hilly tracts and foot hill plains, the water is usually diverted by constructing temporary bunds across the streams, made up of earth, stones or even bamboos. The discharge handled being of small order, the bund on the head of the channel is not provided with any gated structure for controlling and regulating the flow. Construction of work, is, therefore, simple and cheap and can be handled to a large extent by the people themselves. However, these constructions being temporary, require frequent renovation. The bunds are liable to be washed away by every major flood. The channels also get silted up and scoured frequently. It is essential that whenever such schemes aim at diverting higher discharges, say more than 5 to 10 cusecs, or tackle streams having high intensity of flood discharge, proper regulation structures equipped with suitable types of gates are provided. Weir has to be provided with scouring sluices in order to regulate the flow of silt in the off-taking channels. The construction of masonry weir is comparatively simpler and cheaper where rocky foundation is available beneath the streambed. The design of the weir on permeable and erodible foundation is more complicated and requires specialised engineering knowledge.

The irrigation capacity of the diversion schemes is dependent on the actual flow in the stream at the time the irrigation is required. The cold weather and the hot weather flow, therefore, need to be ascertained carefully before deciding the feasibility and economics of these schemes. This is particularly important in the case of non-snow fed flashy streams that spurt to lift suddenly in the rainy season after which the discharge in them dwindles down to appreciable quantity. Some diversion schemes are also constructed as kharif or monsoon channels supplying water only during the monsoon season. Such schemes are useful for providing supplemental irrigation for paddy and preliminary watering for sowing of rabi.

In most of the hilly tracts, small irrigation channels called 'kuls' are the only means of irrigation. These channels carry water diverted from streams by constructing temporary or pucca bunds across the streams. These channels are often constructed in hazardous hilly terrain under very difficult conditions. To avoid seepage of water and for the sake of stability, these channels are lined in most of the reaches.

iii. Water conservation-cum-ground-water recharging Schemes:

Under this head are included schemes which serve primarily one or more of the following purposes:

a. submerging agricultural land during monsoon for sowing post-monsoon crops,

b. improving moisture regime of the adjoining fields downstream for raising of post-monsoon crops without irrigation and replenishing the ground water.

An additional advantage of these schemes is that they help to conserve the soil. When constructed in the head water region serving catchment area of tanks down below, they serve the important purpose of retarding the silting rate of these tanks.

The system of water conservation through field embankments is peculiar to central Indian tracts and is commonly in vogue in the northern Madhya Pradesh, Bundhelkhand region of Uttar Pradesh and eastern Rajasthan. In the Bundhelkhand region, these works are popularly known as 'bundhies', which consist of earthen embankments thrown across gently sloping ground. During the rainy season, water is stored upstream and the land gets submerged. If the land slope is gradual, often large areas get submerged even by low embankments. Ordinarily, no direct irrigation is carried out and benefit is mostly due to submergence. In nearly all these areas, the soil is generally black which is retentive of moisture. After remaining submerged under water during the rainy season, the soil retains sufficient moisture to grow good rabi crops. The remaining water is let out and the submerged land released for cultivation. The other advantage of submerging land in this manner is that the first flood brings a lot of silt which acts as rich manure. By preventing free flow of water across steep gradient, the soil of the land is also conserved.

Ahars in Bihar, which store water for irrigation of paddy fields, also function somewhat in a similar manner. Water is let out in October for irrigating the rice fields and the drained out fields in the bed of the ahars are cultivated with rabi crops. The head water tanks popularly in vogue in Orissa have a similar role to perform. These consist of bunds put up across slope at the head of gullies with the objective of impounding and diverting the cumulative run-off into the wider valley area downstream of the bunds by percolation, seepage and surface flow. Surface channels are provided in the flanks to carry floodwater received in excess of the storage capacity of the bunds during the monsoon season.

Percolation tanks consist of bunds constructed across the streams for the purpose of retarding the surface flow and also the sub-surface flow to some extent by making the bed slope of the stream flattened. This results in increased percolation of water in the sub-soil with consequent increase of the ground water supply.

B. Surface Lift Irrigation scheme:

In regions where the topography does not permit direct flow irrigation from rivers and streams, water has to be lifted into the irrigation channels. These works are similar to diversion schemes, but in addition pumps are installed and pump houses constructed. These schemes, being costly in operation, are feasible only in areas where

a. gravity flow irrigation is not possible

b. there is keen demand for irrigation and cultivators are enthusiastic,

c. water is available in the streams for at least about 200 days in a year, and

d. cheap electric power is available.

Installation of diesel operated pump sets for lifting water makes the operation and maintenance cost of these schemes exorbitantly high. However, for lifting small order of discharge by individual cultivators, portable diesel engine pump sets are feasible as they provide greater flexibility and mobility for installation at different points of the water source or sources. In some areas Solar Pumps are also used for lifting water. The CCA of such schemes may go up to 20 hectares.

SIXTH CENSUS OF MINOR IRRIGATION SCHEMES **Appendix-IV**

REFERENCE YEAR 2017-18

VILLAGE SCHEDULE

I. IDENTIFICATION PARTICULARS

(a)State: _____ **Code :** | | | **(b) District:** _____ **Code :** | | | |

(c)Block/Tehsil: Code | | | | | | | **(d)Village:** Code | | | | | | |

Date of Enumeration: (DD/MM/YY) | | | - | | | - | | |

II. SPECIFIC INFORMATION:

1. Is Village Tribal/ Non-Tribal ? **Code :** | |

Tribal – 1 , Non-Tribal -2

2. (a) Is the Village covered by Major/ Medium Scheme **Code :** | |

Yes -1, No - 2

(b) If yes, Name of Major/ Medium Scheme _____

(The information in items 3 to 7 of this schedule shall be based on village records)

3. Geographical Area In Whole number | | | | | | **Ha.**

4. Cultivable Area In Whole number | | | | | | **Ha.**

5. Net sown Area In Whole number | | | | | | **Ha.**

6. Gross Irrigated Area(By all sources) In Whole number

(i) During Kharif Season | | | | | | **Ha.**

(ii) During Rabi Season | | | | | | **Ha.**

(iii) For Perennial crops | | | | | | **Ha.**

(iv) During Other Season | | | | | | **Ha.**

(v) Total Gross Area Irrigated (Item 6 (i)+6(ii)+6(iii)+6(iv) | | | | | | **Ha.**

7. Net Area Irrigated (By all sources) In Whole number | | | | | | **Ha.**

8. Average Ground Water level (in Metres)

(i) Pre Monsoon) | | | | **Mtrs**

(ii) Post Monsoon) | | | | **Mtrs**

9. Whether Water Users association (WUA) exists in the village

Yes -1, No -2, Not known-3 Code : | |

10. Summary of Number of Water bodies as per water body Schedules filled in the village

Pond	Tank	Lake	Reservoirs	Water conservation Schemes/percolation tanks/check-dams	Others	Total (Col. 1 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)

11. Summary of M I Schemes in the village as per all scheme schedules filled.

(i) Ground Water Schemes No. | | |

(ii) Surface Water Schemes No. | | |

(iii)Total Schemes No. | | |

Remarks, if any:

Checked by:
Name:
Designation of Supervisory officer:
Mobile No.:

Signature of Enumerator:
Name:
Designation of Enumerator :
Mobile No:

SIXTH CENSUS OF MINOR IRRIGATION SCHEMES
REFERENCE YEAR 2017-18

SCHEDULE 1 : GROUND WATER SCHEMES

I. IDENTIFICATION PARTICULARS

(a)State: _____ Code : ☐☐ (b) District: _____ Code: ☐☐☐

(c)Block/Tehsil: _____ Code: ☐☐☐☐☐☐ (d) Village: _____Code: ☐☐☐☐☐☐

Date of Enumeration:(DD/MM/YY) ☐☐-☐☐-☐☐

II. SPECIFIC INFORMATION:

1. Serial Number of scheme : ☐☐☐☐

2. Type of Scheme **Code: ☐**

Dug well-1, Tube well-2

3.1. If code 1 in item 2 above, type of Dug well:

: Dug-cum-bore well -1, Dug well Pucca -2, Dug well Kutcha -3, Others - 9 **Code: ☐**

3.2.If code 2 in item 2 above, type of Tube well:

Shallow Tube well-1, Medium Tube well-2, Deep Tube well-3 **Code: ☐**

4. Owner of the Scheme (Name in case of individual farmer)

Name _____ **Code: ☐**

Govt. owned - 1, Co-operative owned - 2, Panchayat owned - 3, Owned by Group of farmers - 4,
Owned by individual farmer - 5, Others – 9

5. (a) Khasra number /Plot No./Survey No. in which the scheme is located _____

(b) Location particulars /Land Mark _____

6(a). Total ownership Holding of owner (in case of individual owner only) ☐☐☐☐.☐☐☐ **Ha.**

(b) Social Status of Owner (in case of individual owner only) **Code: ☐**

Scheduled caste -1 , Scheduled tribe – 2 , OBC- 3, Others- 9

(c) Gender of Owner (in case of individual owner only)

Male-1, Female-2, Transgender-3 **Code: ☐**

7. Year of Commissioning of the Scheme **Code : ☐**

Up to 2013-2014 - 1, during 2014-15 - 2, during 2015 -16 - 3, during 2016-17- 4
during 2017-2018-5

8. Details of the scheme

(a) Depth of the Dug well/Tube well (in meters) ☐☐☐.☐☐ Mtr

(b) Diameter **(In metres for dug well and mm for tube well)** ☐☐.☐☐

(c) Depth of Bore (in metres) **(in case of Dug-cum-borewell)** ☐☐.☐☐ Mtr

(d) Distance from any nearest Dug well/Tube well (in meters) ☐☐☐.☐☐ Mtr

9. (a) Cost of construction of the scheme **(Rs.)** ☐☐☐☐☐☐☐

(b) Cost of machinery **(Rs.)** ☐☐☐☐☐☐☐

(c) Cost of maintenance during (2017-2018) **(Rs.)** ☐☐☐☐☐☐☐

10.(a) Major source of finance (upto 2) (For individual owners only) **Code : ☐☐**

Bank loan - 1, Government fund - 2, Own savings - 3, Money lender - 4, Others - 9

10(b). If any subsidy/assistance provided by Govt. / PSU , amount for (For All Schemes)

(i) Construction of Scheme/ drilling/digging **(Rs.)** ☐☐☐☐☐☐☐

(ii) Cost of machinery/ distribution device **(Rs.)** ☐☐☐☐☐☐☐

11. Current Status of the Scheme

(a) In use - 1, Temporarily Not in Use - 2, Permanently Not in use - 3 **Code:** ☐

(b) If code 2 or 3 in item 11(a), No. of years not in use ☐

12 . If code 2 in item 11 (a) reason for Temporarily "not in use" **Code:** ☐

Non availability of adequate power/fuel – 1 , Mechanical break down – 2 ,
Less discharge of water - 3, Non-availability of finance - 4,
Lack of maintenance - 5, Any other reason - 9

13 . If code 3 in item 11 (a), reason for Permanently "not in use" **Code:** ☐

Due to salinity - 1, Dried up - 2 , Destroyed beyond repair - 3
Due to sea water intrusion - 4, Due to industrial effluents - 5, Availability of
Major / Medium Irrigation Project - 6, Due to other reasons - 9

14. Method used for Water distribution **Code :** ☐

Open Water Channel (lined / pucca) – 1, Open Water Channel(unlined / kutcha) - 2
Under ground pipe – 3, Surface pipe - 4, Drip - 5 , Sprinkler - 6 , Other -9

15. Types of lifting device ☐

Submersible pump - 1 , Centrifugal Pump - 2, Turbine/Jet pump - 3, Manual/animal - 4, Others - 9

16. Source of energy for lifting device **Code :** ☐

Electric - 1, Diesel - 2, Wind Mills - 3, Solar - 4, Manual/animal - 5, Others -9

17. Horse Power of Lifting device ☐☐.☐ **HP**

(ignore if lifting device is manual/animal driven)

18. Number of days pump operated (ignore, if lifting device is manual/animal)

During Kharif season ☐☐☐ **Days**

During Rabi season ☐☐☐ **Days**

For Perennial crops ☐☐☐ **Days**

During Other Season ☐☐☐ **Days**

19. Average hours of pumping per day (ignore, if lifting device is manual/animal)

During Kharif season ☐☐ **Hrs**

During Rabi season ☐☐ **Hrs**

For Perennial crops ☐☐ **Hrs**

During Other Season ☐☐ **Hrs**

20 (a) Whether the scheme is located in the command of Major/ Medium Schemes like Canals etc. **Code :** ☐

No --- 1

Yes --- 2

20(b) If Scheme is in command area i.e. code 2 in item 20(a),

(i) Name of command Area:_____

(ii) reasons for Scheme in Command area **Code :** ☐

Water not available up to field from major/medium scheme-1,Water available but not adequate for irrigation-2
Water available but not useable for irrigation-3, Other reasons-9

20 (c) Whether the scheme is meant only for recharge of Ground water Yes-1, No-2 ☐

(If yes **Keep item 21 to item 31 blank)**

21. Culturable Command Area ☐☐☐☐.☐☐ **Ha.**

SEASON WISE IRRIGATION POTENTIAL CREATED (IPC)

22.	**Kharif**	**Ha.**
23.	**Rabi**	**Ha.**
24.	**Perennial**	**Ha.**
25.	**Other**	**Ha.**
26	**Total**	**Ha.**

Season wise actual area irrigated during 2017-18 (IPU)

27.	**Kharif**	**Ha.**
28.	**Rabi**	**Ha.**
29.	**Perennial**	**Ha.**
30.	**Other**	**Ha.**
31.	**Total**	**Ha.**

Note (i) If Scheme is out side command area of Major & Medium Scheme then complete IPU is to be reported.

(ii) If the Scheme is in the Command of Major & Medium Scheme then IPU is to be given as supplemented by MI Scheme. Thus the Gross IPU is to be apportioned in the ratio utilised by Major/Medium and MI Scheme.

32(i) Whether the scheme is under utilised (Only for In-use Schemes) Yes-1,No-2 code:

32(ii) If yes i.e. code 1 in item 32(i) , reasons for under utilisation of schemes **Code :**

Non availability of adequate power/fuel – 1 , Mechanical break down – 2 ,

Less discharge of water - 3 , Non availability of finance-4, Lack of Maintenance-5

Any other reason-9

Remarks, if any:

Checked by
Name
Designation
Mobile No.:

Signature of enumerator
Name
Designation :
Mobile No.:

SIXTH CENSUS OF MINOR IRRIGATION SCHEMES
REFERENCE YEAR 2017-18

SCHEDULE 2 : SURFACE WATER SCHEMES

I. IDENTIFICATION PARTICULARS

(a)State: _____ **Code :** ☐☐ **(b) District:** _____ **Code:** ☐☐☐

(c)Block/Tehsil: _____ **Code:** ☐☐☐☐☐☐ **(d) Village:** _____ Code: ☐☐☐☐☐☐

Date of Enumeration:(DD/MM/YY) ☐☐-☐☐-☐☐

II. SPECIFIC INFORMATION:

1. Serial Number of scheme : ☐☐☐☐

2. Type of Scheme **Code:** ☐

Surface Flow Scheme – 1, Surface Lift Scheme - 2

3.1 If code 1 in item 2, Nature of Surface Flow Scheme: **Code:** ☐

Reservoirs - 1, Tanks/Ponds -2, Other Storages -3, Permanent diversion - 4, Temporary diversion - 5 ,
Water conservation-cum-ground water recharge schemes /percolation tanks/check dams etc - 6, Spring Channel - 7, Others - 9

3.2, If code 2 in item 2, Nature of Surface Lift Scheme: **Code:** ☐

On River - 1, On Stream - 2, On drain/canal - 3 , On Tanks/Ponds/Reservoirs/check dams - 4, Others - 9

4. Owner of the Scheme (Name in case of individual farmer)

Name _____ **Code:** ☐

Govt. owned - 1, Co-operative owned - 2, Panchayat owned - 3, Owned by Group of farmers - 4,
Owned by individual farmer - 5, Others – 9

5. Khasra number /Plot No./Survey No. in which the scheme is located _____

6(a). Total Holding of owner (in case of individual owner only) ☐☐☐☐.☐☐☐ **Ha.**

(b) Social Status of Owner (in case of individual owner only) **Code:** ☐

Scheduled caste -1 , Scheduled tribe – 2 , OBC- 3, Others 9

(c) Gender of Owner (in case of individual owner only)

Male-1, Female-2, Transgender-3 **Code:** ☐

7. Year of Commissioning of the Scheme **Code :** ☐

Upto 2013-14 - 1, during 2014-15 - 2, during 2015-16 - 3, during 2016-17- 4
during 2017-18 - 5

8. (a) Cost of construction of the scheme **(Rs.)** ☐☐☐☐☐☐☐

(b) Cost of machinery **(Rs.)** ☐☐☐☐☐☐☐

(c) Cost of maintenance during (2017-18) **(Rs.)** ☐☐☐☐☐☐☐

9.(a) Major source of finance (upto 2) (For individual owners only) **Code :** ☐☐

Bank loan - 1, Government fund - 2, Own savings - 3, Money lender - 4, Others - 9

9(b) .If any subsidy/assistance provided by Govt. / PSU , amount for (For All Schemes)

(i) Construction of Scheme/ digging **(Rs.)** ☐☐☐☐☐☐☐

(ii) Cost of machinery/ distribution device **(Rs.)** ☐☐☐☐☐☐☐

10. Current Status of the Scheme

(a) In use - 1, Temporarily Not in Use - 2, Permanently Not in use - 3 **Code:** ☐

(b) If code 2 or 3 in item 10(a), No. of years not in use ☐

11 . If code 2 in item 10 (a) reason for Temporarily "not in use" **Code:** ☐

Non availability of adequate power/ fuel – 1 , Mechanical break down – 2 ,
Less discharge of water - 3 , Non Availability of finance-4, Storage not filled up fully - 5
Siltation of canal/storage - 6, Breakdown of channels - 7, Any other reason - 9

12 . If code 3 in item 10 (a), reason for Permanently "not in use" **Code:** ☐

Due to salinity - 1, Dried up - 2 , Destroyed beyond repair - 3,
Due to sea water intrusion - 4, Due to industrial effluents - 5, Availability of
Major / Medium Irrigation Project - 6, Due to sinking -7, Due to other reasons - 9

13. Method used for water distribution: **Code :** ☐

Open Water Channel (lined / pucca) – 1, Open Water Channel(unlined / kutcha) - 2
Under ground pipe – 3, Surface pipe - 4, Drip - 5 , Sprinkler - 6 , Others -9

14. Types of lifting device (Only for Surface lift Scheme) ☐

Submersible pump - 1 , Centrifugal Pump - 2, Turbine/Jet pump - 3, Manual/animal - 4, Others - 9

15. Source of energy :(Only for Surface lift scheme) **Code :** ☐

Electric - 1, Diesel - 2, Wind Mills - 3, Solar - 4, Manual/animal - 5, Others - 9

16. Horse Power of Lifting device ☐☐.☐ **HP**

(ignore if lifting device is manual/animal)

17. Number of days pump operated (ignore, if lifting device is manual/animal)

During Kharif season ☐☐☐ **Days**

During Rabi season ☐☐☐ **Days**

For Perennial crop ☐☐☐ **Days**

During other season ☐☐☐ **Days**

18. Average hours of pumping per day (ignore, if lifting device is manual/animal)

During Kharif season ☐☐ **Hrs**

During Rabi season ☐☐ **Hrs**

For Perennial crop ☐☐ **Hrs**

During Other season ☐☐ **Hrs**

19 (a) Whether the scheme is located in the command of Major/ Medium Schemes like Canals etc. **Code :** ☐

No --- 1

Yes --- 2

19(b) If Scheme is in command area i.e. code 2 in item 19(a),

(i) Name of command Area_____

(ii) reasons for Scheme in Command area : **Code :** ☐

Water not available up to field from major/medium scheme-1,Water available but not adequate for irrigation-2
Water available but not useable for irrigation-3, Other reasons-9

19 (c) Whether the scheme is meant only for recharge of Ground water Yes-1, No-2 ☐

(If yes **Keep item 20 to item 30 blank)**

20. Culturable Command Area ☐☐☐☐.☐☐ **Ha.**

SEASON WISE IRRIGATION POTENTIAL CREATED (IPC)

21. Kharif ☐☐☐☐.☐☐ Ha.

22. Rabi ☐☐☐☐.☐☐ Ha.

23. Perennial ☐☐☐☐.☐☐ Ha.

24. Other ☐☐☐☐.☐☐ Ha.

25. Total ☐☐☐☐.☐☐ Ha.

Season wise actual area irrigated during 2017-18 (IPU)

26. Kharif ☐☐☐☐.☐☐ Ha.

27. Rabi ☐☐☐☐.☐☐ Ha.

28. Perennial ☐☐☐☐.☐☐ Ha.

29. Other ☐☐☐☐.☐☐ Ha.

30. Total ☐☐☐☐.☐☐ Ha.

Note (i) If Scheme is out side command area of Major & Medium Scheme then complete IPU is to be reported.

(ii) If the Scheme is in the Command of Major & Medium Scheme then IPU is to be given as supplemented by MI Scheme. Thus the Gross IPU is to be apportioned in the ratio utilised by Major/Medium and MI Scheme.

31(i) Whether the scheme is under utilised (Only for In-use Schemes) Yes-1,No-2 code: ☐

31(ii) If yes i.e. code 1 in item 31(i) , reasons for under utilisation of schemes **Code :** ☐

Non availability of adequate power/fuel – 1 , Mechanical break down – 2 ,

Less discharge of water - 3 , Storage not filled up fully - 4, Siltation of canal/storage- 5

Breakdown of channels - 6, Any other reason - 9

32. Number of Villages covered by the scheme ☐☐

33. Specific features of Reservoirs,Tank,Other storages

(a) Designed Storage (in cubic metres) ☐☐☐☐.☐☐

(b) Filled up Storage (during 2017-18) **Code :** ☐

Full - 1 , upto 3/4 - 2 , upto 1/2 -3, upto 1/4 - 4 , Nil/Negligible filled up - 5

(c) Status of filling up of storage Space **Code :** ☐

(based on around 50% filling up of storages during last 5 year)

Filled up every year - 1 , Usually filled up - 2 , Rarely filled up - 3 , Never filled up - 4

34. Specific information releting to Water body | | |

(a) 21 Digit Sl no. as per Water body schedule in which the scheme is functioning

R/U	State		Distt.			Tehsil/Town/block						Village/Ward						Serial No.- within village/town		

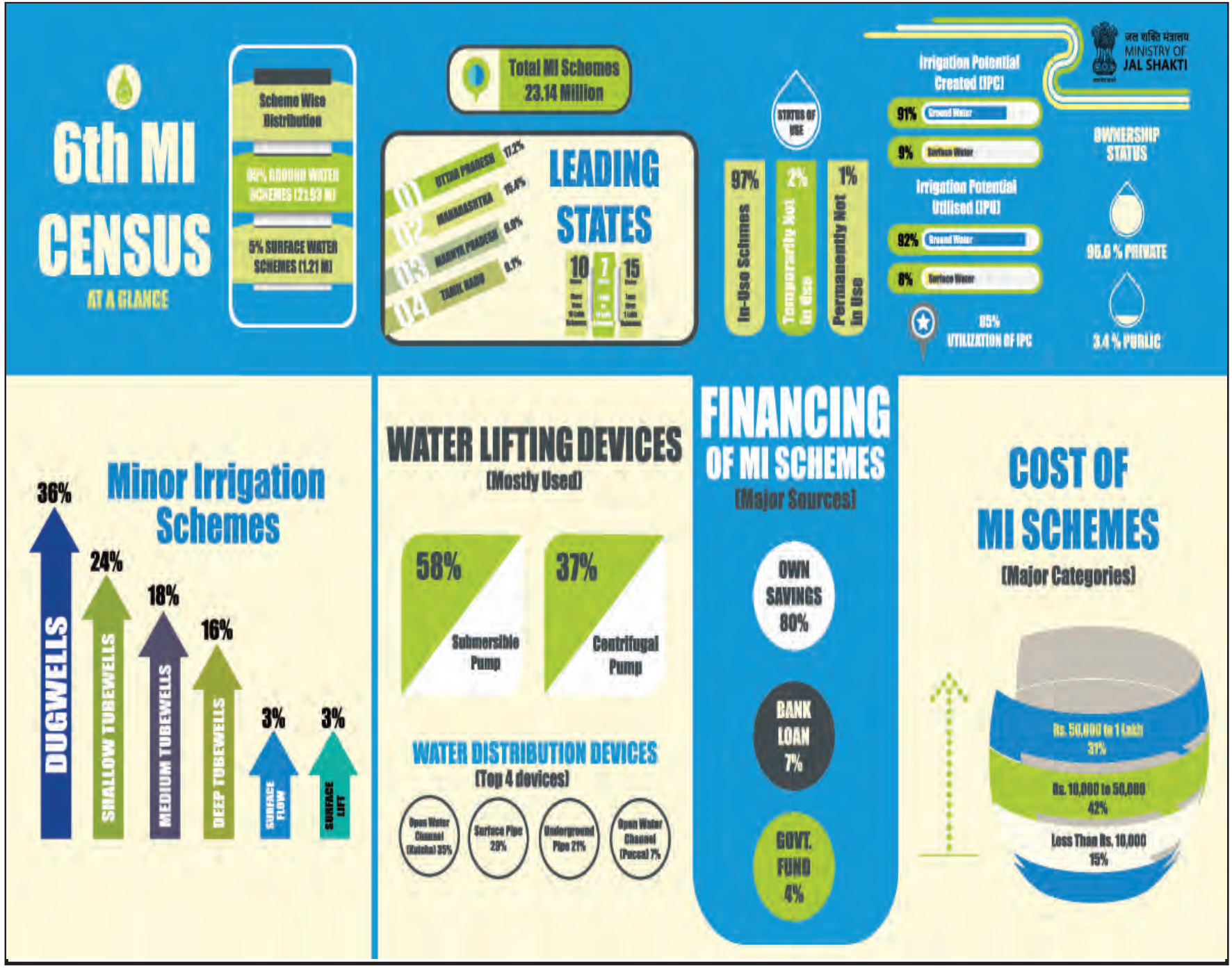
(b) Total number of schemes in the village in above water body. | | | |

(c) Sl. number of this scheme within village in the water body | | | |

Remarks, if any

Checked by:
Name
Designation
Mobile No.:

Signature of Enumerator:
Name
Designation
Mobile No.:


6th MI CENSUS
AT A GLANCE
Scheme Wise Distribution
95% GROUND WATER SCHEMES (21.93 M)
5% SURFACE WATER SCHEMES (1.21 M)
Total MI Schemes 23.14 Million
LEADING STATES
01 UTTAR PRADESH 17.2%
02 MAHARASHTRA 15.4%
03 MADHYA PRADESH 8.9%
04 TAMIL NADU 8.1%
10
7
15
STATUS OF USE
97% In-Use Schemes
2% Temporarily Not in Use
1% Permanently Not in Use
Irrigation Potential Created (IPC)
91% Ground Water
9% Surface Water
Irrigation Potential Utilised (IPU)
92% Ground Water
8% Surface Water
85% UTILIZATION OF IPC
जल शक्ति मंत्रालय
MINISTRY OF JAL SHAKTI
OWNERSHIP STATUS
96.6 % PRIVATE
3.4 % PUBLIC
Minor Irrigation Schemes
36% DUGWELLS
24% SHALLOW TUBEWELLS
18% MEDIUM TUBEWELLS
16% DEEP TUBEWELLS
3% SURFACE FLOW
3% SURFACE LIFT
WATER LIFTING DEVICES
(Mostly Used)
58% Submersible Pump
37% Centrifugal Pump
WATER DISTRIBUTION DEVICES
(Top 4 devices)
Open Water Channel (Kutcha) 35%
Surface Pipe 29%
Underground Pipe 21%
Open Water Channel (Pucca) 7%
FINANCING OF MI SCHEMES
(Major Sources)
OWN SAVINGS 80%
BANK LOAN 7%
GOVT. FUND 4%
COST OF MI SCHEMES
(Major Categories)
Rs. 50,000 to 1 Lakh 31%
Rs. 10,000 to 50,000 42%
Less Than Rs. 10,000 15%

GOVERNMENT OF INDIA
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
MINOR IRRIGATION (STATISTICS) WING