Namami Gange: Status Update
(15th March 2016)

Ministry of Water Resources, River Development &
Ganga Rejuvenation
Namami Gange – Primary Focus on Ganga Cleaning

• “Namami Gange” an umbrella programme approved in May 2015 at a total cost of Rs 20,000 Crores

• Includes ongoing works and new initiatives:

  - Solid waste management
  - Ecological sustainability
  - Comm. & public outreach
  - Sewerage and sanitation
  - Research & Development
  - Aviral Ganga
  - Industrial Pollution
  - River Front Management
  - Institutional development

• Thrust is on pollution abatement
Namami Gange – Components

1) **Entry-level activities**
   a. River Surface Cleaning
   b. Rural Sanitation
   c. Crematoria modernization/renovation/new construction
   d. Ghat repair, modernization and new construction

2) **Medium Term**
   a. Municipal Sewage Management
   b. Industrial Effluents Management

3) **Other Activities**
   a. Biodiversity Conservation
   b. Afforestation
   c. Water Quality Monitoring

4) **Long Term:** Ensuring adequate flow of water
1. Entry Level Activities
   a. River Surface Cleaning – Target Areas

- Waste disposed in the river directly
- Solid waste disposed on the Ghats
- Solid waste reaching through drains
- Pious Refuse
1a. River Surface Cleaning

• **Top priority** – is creating most visible impact
  
  • One of the activity is operation of Trash skimmers
  
  • River Surface cleaning started at Varanasi, Kanpur, Allahabad, Mathura and Patna
  
  • International Bidding is being resorted to for priority towns
Trash Skimmer in Kanpur

Before Cleaning

After Cleaning

- Started working on: 4\textsuperscript{th} February, 2016
- Area of Operation: 7 Ghats (Bhairav Ghat, Power House, Aspatal Ghat, Somnath Ghat, Parmat Ghat, Kali Ghat and Sarsaiya Ghat)
- Floating Waste Collected: 11.5 Tonne per day (approx.)
Trash Skimmer in Allahabad

Before Cleaning

After Cleaning

- Started working on: 1st February, 2016
- Area of Operation: 4 Ghats (Kila Ghat, VIP Ghat, Arail Ghat, Sangam Nose) and the entire Sangam area
- Floating Waste Collected: 8.4 Tonne per day (approx.)
Trash Skimmer in Varanasi

Before Cleaning

After Cleaning

- Started working on: 23rd January, 2016
- Area of Operation: 4 Ghats (Assi Ghat, Manikarnika Ghat, Dashashwamedh Ghat and Raj Ghat)
- Floating Waste Collected: 6.1 Tonne per day (approx.)
1. Entry Level Activities

b. Rural Sanitation: A major challenge
1. Rs. 263 Crores given to Ministry of Drinking Water & Sanitation for construction of toilets  
   • 3,31,936 toilets completed; Target - 15,20,106
2. Development of Jharkhand as Model State on Seenchewal Model - 103 villages already taken up in Jharkhand  
   • 130 Gram Pradhans taken to Seenchewal – good response
3. Technical institutions involvement for sustainable solutions
4. Ganga Grams - complete waste solution, 200 villages identified in first phase
5. Target - To treat 200-300 village drains in 1 year
6. 5 CPSUs engaged to undertake village drain treatment works
Swach Ganga – Gramin Sahbhagita Program organized on 30th January 2016

• MOU signed between MoWR, RD&GR and Seven other concerned ministries of Shipping, HRD, RD, Tourism, Ayush, Youth Affairs & Sports, DW&S
• Participated by more than 1500 Gram Pradhan's from 5 States along Ganga
• Follow up started; 8 teams are visiting identified villages
1. Entry Level Activities
   c. Crematoria

   • Standard design prepared
   • Renovation/modernization and construction of crematoria
   • Initial implementation in 20-25 Urban Local Bodies
   • Target – Over 100 crematoria by Nov, 2016
1 (c) Crematoria-Before and After
1. Entry Level Activities

d. River Front/Ghat Development

- 6.6 km promenade project at Patna; includes 20 ghats; 6 completed
- Work at Chandighat (Haridwar), Chhath Ghat (Delhi), Sahibganj - work assigned;
- DPRs for Kedarnath, Allahabad, Kanpur, Bithoor, Kolkata and Rishikesh under preparation
- Work for Repair & Modernization of existing ghats – work assigned
Entry Level Activities : Current Status

• Condition Assessment & entry level activities assigned to 5 CPSUs. viz. EIL, WAPCOS, NBCC, EPIL, NPCC

• 4 DPRs for Ghat development and crematoria received for Bihar (Buxar, Hajipur, Sonepur & Bhagalpur) – 35 Ghats & 4 Crematoria

• 1 DPR for Ghat development and crematoria received for Uttarakhand (Rishikesh to Devprayag) – 4 Ghats & 6 Crematoria

• 3 DPRs for Village Drain Treatment in 3 stretches in Uttarakhand (Rishikesh – Devprayag; Devprayag – Maneri; Devprayag – Rudraprayag) – All villages in Uttarakhand along Ganga
2. Medium-Term
   a. Municipal Sewage Management

• **Target:** Additional 4000 Million Litres per Day (MLD) to be created

• 30% STPs not operational; 60% capacity utilized; treated water not of standard - **Paradigm shift required in approach**

• **Hybrid Annuity based PPP** implementation through **SPV**
  - Cabinet Note – Approved
  - Condition Assessment Studies for all the towns through CPSUs in progress
  - Selection and appointment of Transaction Advisors- In process
2. Medium –Term
   a. Municipal Sewage Management

   • SPV creation in progress, work assigned to M/s IPL.
   
   • RFQ for transaction advisors issued, Opening on 17/03/2016.
   
   • 2\textsuperscript{nd} Market Conference held for annuity model in Feb 2016
   
   • Participated by 250 + participants from leading technology providers, transaction advisors, financial institutions, consultant etc.
2. Medium -Term
   b. Effluents Management

• Real Time Effluent Monitoring Stations installed in 508 out of 764 Grossly Polluting Industries - Distillery; Pulp & Paper; Tanneries; Textile; Sugar

• Reduction in effluent quality & volume:- Action Plan prepared for Pulp & Paper, and Sugar; Completion Target – March 2017

• Zero Liquid Discharge
  • Distilleries: Action Plan under implementation; Target - Sep 2016
  • Tanneries: DPR for Jajmau prepared by Central Leather Research Institute; appraised/alternate solution by Tamil Nadu Water Investment Co. Ltd. (TWIC) – Report by end of March 2016
  • Textiles: DPR for 4 clusters assigned to TWIC

• Close monitoring by Vigilance Squad of Central Pollution Control Board – compliance levels significantly improving
3. Other Activities

a. Bio-diversity conservation–
   • assigned to Wildlife Institute of India for conservation of various species including Gangetic Dolphin, Crocodiles, Otter and Waterbirds
   • CIFRI assigned the project about fish conservation
3. Other Activities

b. Afforestation -

- in 30,000 Ha
- 2016 Target – 4,000 Hectares
- Land identified
- Work to commence in June-July 2016
- DPR for Afforestation in entire Ganga Stretch prepared by FRI
- Afforestation DPR Launch scheduled for 22/03/2016
3. Other Activities

c. Water Quality Monitoring

- Existing 57 manual monitoring stations
- 113 new Real-time monitoring stations; display boards at selected locations
- Tender issued for 36 out of 113
- Completion of 113 in 2016
Communication & Public Outreach

- Jan Samvaad, a comprehensive Communication Strategy for Namami Gange approved and being implemented.

- Nirichhan Abhiyan initiated from Garhmukteshwar and Anupshahr with activities viz. Project Review, Painting Competition, Water Quality Training, Plantation, Ghat Sewa, Ganga Chaupal etc.

- Field Level Photo exhibitions organized at Haridwar, Allahabad, Anupshahr and Garhmukteshwar.
Communication & Public Outreach

• Namami Gange theme song launched- namami_gange.mov
• In process to Engage Social Media Agency and Media & PR Agency
• IEC activities and Exhibition during Magh Mela, Allahabad and Ardh Kumbh, Haridwar
Support Needed

- Ganga Rejuvenation- a very massive and complex task.
- Complete Co-operation between Centre- States-District authorities- Local bodies and Public will go a long way.