EDA/2016-17/717/NMCG-EC Meeting
National Mission for Clean Ganga
Ministry of Water Resources, River Development &
Ganga Rejuvenation

1st Floor,
Major Dhyan Chand National Stadium
India Gate, New Delhi-110002

Dated: 07.05.2018

Sub: Minutes of 11th Meeting of the Executive Committee (EC) of National Mission for Clean Ganga held on 27th April, 2018.

Please find enclosed the minutes of 11th Meeting of the Executive Committee (EC) of National Mission for Clean Ganga held on 27th April, 2018 at 2:15 PM in NMCG office, New Delhi for information and necessary action.

Rajiv Kishore
Executive Director (Administration)
Contact: 011-23049440

To,

1. Joint Secretary (PFC-I/PF-States), Department of Expenditure, Ministry of Finance, North Block, New Delhi-110001
2. Shri Jitender Kumar/Dr. Yogesh Suri, Adviser, NITI Aayog, Yojana Bhawan, Sansad Marg, New Delhi-110001
3. Principal Secretary (UD), Department of Drinking Water & Sanitation, Uttarakhand, 43/6 Mata Mandir Road, Dhamtari, Dehradun, Uttarakhand-248001.
4. Principal Secretary (UD), Urban Development Department (UDD), 834, Bapu Bhawan, Lucknow-226001.
5. Principal Secretary (UD & Housing), Urban Development and Housing Department (UDHD), Vikas Bhawan, Bailey Road, Patna, Bihar-800015.
6. Principal Secretary (UD), Urban Development Department (UDD), 4th Floor, Project Building, Dharwara, Ranchi – 834004.
7. Principal Secretary (UD), Department of Municipal Affairs (DMA), Nagarayan, Sector-I, Block-DF-8, Bidhan Nagar, Kolkata-700064.
8. All EDs of NMCG.

CC:

1. Project Director, SPMG Group 117 Indira Nagar Dehradun 248001 Uttarakhand
2. Project Director, SPMG Group 834, Bapu Bhawan Sachivalya, Lucknow, - 226001.
3. Project Director, SPMG Group (Secretary Urban Development), Government of Bihar, Vikash Bhawan, Bailey Road, Patna, Bihar – 800001.
4. Project Director, SPMG Group Urban Development & Housing Department, Room no. 403, 4th Floor, Project Bhawan, Dharwara, Ranchi, Jharkhand-834004.
5. Project Director, SPMG Group Unnayan Bhawan’, 3rd Floor, DJ-11, Sector-II, Block-A, KMDA, Kolkata-700091.
6. PS to DG, NMCG- for his information.
Minutes of 11th meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 27th April, 2018 in NMCG Office, Delhi

Executive Director (Administration) welcomed the members of the Executive Committee and officials from the state and other agencies present for the meeting.

DG NMCG welcoming the members present for the meeting emphasized on the following points:

1. Review of progress on earlier sanctioned projects for 10 minutes at the beginning of every meeting.
2. Agencies like M/s Atkins Ltd. who are involved in study of the projects may also be invited for presenting their views in the meeting.

After a short review of pending projects in West Bengal, DG, NMCG asked for the agenda items to be taken up:

Agenda Item No. 1: Namami Gange Awareness Programme on DD Network: Awareness Raising and Public Information

- Rag Rag Mein Ganga – 30-minute travelogue series of 21 episodes on DD National once a week.
- Baat Ganga Ki/Ganga Chaupal – 30-minute interactive series of 26 episodes on DD Kisan once a week.
- Meri Ganga/Ganga Quiz – One-hour quiz series on Ganga of 16 episodes on DD National once a week.

After detailed discussion Executive Committee resolved to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for Namami Gange Awareness Programme on DD Network: Awareness Raising and Public Information under Namami Gange at an estimated cost of Rs. 9, 85, 77, 200/- with 100% central assistance. The number of episodes for the travelogue series originally proposed to be 26 has been reduced to 21. The project has been considered to be funded under NGP component – New Initiatives of Mission Namami Gange Programme. Involvement of State governments is important for the programme. Weekly discussion between Doordarshan, NMCG and other stakeholders may be done every week. Timeline for the final rollout of campaigns would be 15th July 2018, 15th August 2018 and 2nd October 2018 for Baat Ganga Ki (Ganga Chaupal), Ganga Quiz Series and Rag Rag Mein Ganga (Travelogue series) respectively.

Agenda Item No. 2: “Revised Administrative Approval & Expenditure Sanction for Sewerage Scheme at Narora, District Bulandshahr” under Namami Gange Program.

- Original Project Cost: ₹ 34.87 Crore including O & M for 5 years
- Project Cost Revision Sought: ₹ 48.45 Crore
Financial Effect: 70:30 for the agreed additional cost to be shared; additional cost on account of components Sewer Network, MPS, IPS, Rising Main, Sanitary latrines etc to be borne fully (100%) by the State Govt. as the scope of works remains same.

After detailed discussion Executive Committee (EC) observed that World Bank’s approval on Bid Evaluation Report of the project conveyed earlier was only towards compliance to the Bank’s procurement procedures and not for Project tendered Cost. It also resolved to approve the proposal for according Revised Administrative Approval and Expenditure Sanction (AA&ES) for “Sewerage Scheme at Narora, District Bulandshahr” under Namami Gange Program for the revised project cost of ₹ 48.45 Crore. The revised cost included additional cost of Rs. 6.08 Crore, towards additional cost for STP & electro-mechanical component, to be shared between Central and State Governments on 70:30 funding pattern and remaining additional cost of ₹ 7.5 Crore to be borne exclusively by the State Government.

The additional central funding, limited to ₹ 4.256 Crore (70% of the additional cost of ₹ 6.08 Crore), is on the consideration that the only 1.03 hectare of land could be made available by the State from originally envisaged 5.8 hectare land in the DPR leading to change of STP technology.

The Revised Central and State share of the project stands at ₹ 28.666 Crore and ₹ 19.784 Crore respectively.

The EC has considered this approval as an exception as only 1.03 hectare of land could be made available by the State from originally envisaged 5.8 hectare land in the DPR leading to change of STP technology. The approval is subject to the condition that State provides its commitment to provide its share of additional cost within 15 days and approves the additional State funding for the project within one month of issue of minutes.

Agenda Item No. 3: “Generation of High Resolution DEM and GIS Ready Database for part of River Ganga for NMCG”

- Project Cost: Rs 86.84 Cr. /-
- DPR appraised by Prof. Saumitra Mukharjee, Professor of Geology Remote sensing and Space Sciences, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi
- Project Outcomes: GIS ready datasets including high resolution DEM would facilitate major support to Ganga River Basin Management by embedding GIS in different aspects of planning and implementation at national/state/local levels; bringing GIS support in decision-making; enable a sound process of monitoring development and identifying critical hotspots. To make GIS data available at all levels and groups associated in this process that helps bringing accountability and responsibility in policy decisions.
- Deliverables:
• DEM (vertical accuracy better than 50 cm), contour of 1.0 m for the project area of Ganga basin
• Orthophotos (25 cm GSD or better) for the project area of Ganga basin
• GIS ready dataset including for the project area of Ganga basin as per feature based data model of SoI
• Outlet/vent of sewerage and other discharges from all dwelling units, industrial, commercial and all types of other institutions will be mapped, from the source outlet to the public drainage network.
• The entire public drainage network in the project area will be integrated with the present project mapping.
• Final data will also be hosted on SoI secure portal and will be made accessible as service through simple customized applications for NMCG.
• Capacity Building: Training of staff and officer’s of NMCG.

• Completion time

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Target</th>
<th>Timelines (Total 15 Months)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Data Acquisition: Feature Extraction (F.E.), GIS data preparation, QA/QC</td>
<td>2018-2019 and 2019-2020</td>
<td>To generate: 0.5 m VA, DEM; ORI of 25 cm Resolution or better; GIS Ready geospatial dataset as per DMS</td>
</tr>
<tr>
<td>2.</td>
<td>Ground Data Collection: QA/QC, Data Validation, Collection of features from ground</td>
<td>2018-2019 and 2019-2020</td>
<td>QA/QC; Data validation; data collection of points of sewerage/other discharge from all dwelling units, commercial, industrial</td>
</tr>
<tr>
<td>4.</td>
<td>Data/Service Delivery Mechanism:</td>
<td>2019-2020</td>
<td>Web hosting, service delivery and applications development</td>
</tr>
</tbody>
</table>

Presentation on “Generation of High Resolution DEM and GIS Ready Database for part of river Ganga for NMCG” was made by Shri Shailesh Kumar Sinha, Director, Survey of India. After detailed discussions, Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for project entitled “Generation of High Resolution DEM and GIS Ready Database for part of River Ganga for NMCG for an estimated cost of Rs. 86.84 Cr”. The project has been considered to be funded under National Ganga Plan (NGP).

Recommendations:

I. Time line: Project duration may be optimized where ever possible by SoI, to ensure that the deliverables are available before the project completion date.

II. Capacity Building: It is important that NMCG and SPMG officials are adequately trained to handle the complex and voluminous datasets to be generated for the project. In addition this dataset will also be utilized as input to decision support
system. Accordingly, adequate provision may be made for the project cost Rs. 86.84 Cr. and towards capacity building of staff of NMCG and SPMGs.

**Agenda Item No.4:** DPR for Interception & Diversion of sewerage network system including repair & renovation of existing lifting station & new STP at Hooghly-Chinsurah Municipal Area, West Bengal, under Namami Gange Program.

- STP- 29.3 MLD, 1 no.
- Sewer laying (I&D)- 20 Km.
- Pumping Stations-2 nos (new).
- Repair & Renovation of existing Pumping Stations.
- Operation & maintenance for 15 years

After detailed discussion Executive Committee (EC) resolved to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for I&D, Rehabilitation of existing infrastructure and Development of Sewage Treatment Plant (29.3 MLD STP with O&M for 15 years) in Hooghly-Chinsurah Municipal Area, West Bengal under Namami Gange Program at an estimated amount of Rs 160 Crores (including cost of O & M for 15 years – Rs 58.15 Crores) to be implemented on Hybrid Annuity based PPP model. It was also resolved that the observations of NMCG, TPA should be complied by the State Government/ Executing Agency at the time of finalization of bid document/ at the time of execution and during O & M. The cost towards O & M of the project assets, post commissioning, for 15 years has been included in the project scope. O & M beyond project scope i.e. after 15 years shall be the responsibility of State Government/ ULB at its own cost. The project has been considered to be funded under NGP Component – New Initiatives of Namami Gange Program. The State Government should ensure the availability of land in their possession before awarding the works. State need to submit a revised DPR, before bidding, incorporating Third Party Agency’s recommendations.

**Agenda Item No.5:** DPR for Interception & Diversion Sewer Network along with STP by using the Existing Pumping Stations for Maheshtala town, West Bengal State, under Namami Gange Program.

- Construction of I&D sewer network (27 Km) including rising main (3.21Km)

  - Pumping Stations (Repair & Renovations)-2 nos.
  - Pumping Stations-3 nos (new).
  - Diversion Structures- 5 nos.
  - Onsite treatment 2.13 MLD (modular STP)
  - Road restoration
  - Operation & maintenance for 15 year
  - STP- 26 MLD, 1 no.
  - Repair and Renovation of 4.2 MLD capacity WSP type STP- 1 no.

After detailed discussion Executive Committee (EC) resolved to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for I&D, Rehabilitation of existing infrastructure and Development of Sewage Treatment Plant (26
MLD STP with O&M for 15 years) in Maheshtala town, West Bengal under Namami Gange Program at an estimated amount of Rs 198.43 Crores (including cost of O & M for 15 years -Rs 116.48 Crores) to be implemented on Hybrid Annuity based PPP model. It was also resolved that the observations of NMCG, TPA should be complied by the State Government/ Executing Agency at the time of finalization of bid document/ at the time of execution and during O & M. The cost towards O & M of the project assets, post commissioning, for 15 years has been included in the project scope. O & M beyond project scope i.e. after 15 years shall be the responsibility of State Government/ ULB at its own cost. The project has been considered to be funded under NGP Component – New Initiatives of Mission Namami Gange Program. The State Government should ensure the availability of land in their possession before awarding the works. State need to submit a revised DPR, before bidding, incorporating Third Party Agency’s recommendations.

**Agenda Item No. 6: Proposal for Strengthening of laboratories of State Pollution Control Boards (SPCBs)**

Central Pollution Control Board (CPCB) made presentation on the consolidated proposal for Strengthening of laboratories of State Pollution Control Boards (SPCBs) of Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal. The representatives of the respective SPCBs and SPMGs of the 5 Ganga main stem states (except Jharkhand and West Bengal) and Third Party Appraisal expert from NEERI were present in the meeting. The proposal was approved by the Committee for a period of 5 years for an amount of Rs 85.97 cr under Head NGP- sub head Industrial Pollution subject to the following conditions:

1. The project will be implemented through SPMGs of the 5 Ganga main stem states and the SPCBs of the respective states will be the executing agencies.

2. The project will be closely monitored by NMCG and respective SPMGs at frequent intervals in respect of committed deliverables.

3. An Implementation Committee comprising of officials of SPCBs of five States, CPCB and NMCG shall be constituted for preparation of uniform technical specification and tender document to be adopted for purchase of advanced instruments and take other appropriate measures to ensure that the instruments/equipments are operational within 9 months from sanction of project. This shall be in terms of decision taken in the meeting dated 27.03.2018 held under chairmanship of Director General, NMCG.

4. The timelines for the procurement of instruments, Glassware and chemicals and recruitment of staff needs to be strictly adhered. No time and cost overruns shall be permitted without approval of competent authority.

5. The required infrastructure and engagement of manpower shall be put in place within 1 year.

6. All laboratories considered for strengthening under this project shall also work and perform as Ganga Monitoring Centres.
The state-wise break up of each component approved is given the following table:

<table>
<thead>
<tr>
<th>SPCB</th>
<th>Instrument</th>
<th>Lab Dev.</th>
<th>Chem &amp; GW</th>
<th>Staff <em>(O &amp; M)</em></th>
<th>Lab Opex</th>
<th>Total (Rs. in lakhs)#</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Capital Investment</td>
<td>Operation &amp; Maintenance</td>
<td>Capex</td>
<td>Opex</td>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>Uttarakhand</td>
<td>711.55</td>
<td>12.00</td>
<td>108</td>
<td>609.3</td>
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<td>UP</td>
<td>1182.95</td>
<td>32.00</td>
<td>288</td>
<td>1624.8</td>
<td>480</td>
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<tr>
<td>Bihar</td>
<td>485.70</td>
<td>8.00</td>
<td>72</td>
<td>406.2</td>
<td>120</td>
<td>493.7</td>
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<tr>
<td>Bharkhand</td>
<td>376.50</td>
<td>8.00</td>
<td>72</td>
<td>406.2</td>
<td>120</td>
<td>384.5</td>
</tr>
<tr>
<td>West Bengal</td>
<td>384.14</td>
<td>12.00</td>
<td>108</td>
<td>609.3</td>
<td>180</td>
<td>396.14</td>
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<tr>
<td>Total</td>
<td>3140.84</td>
<td>72.00</td>
<td>648</td>
<td>3655.8</td>
<td>1080</td>
<td>3212.84</td>
</tr>
</tbody>
</table>

All figures in Rs. Lakhs: Chem & GW – Chemical & Glassware

*Stipend of JRF/SRF considered as per DST norms and shall be adopted as notified from time to time.

# All O&M cost is estimated for 5 year period

**Agenda Item No.07: Revised sanction for “Development of Ghats and crematoria at Kanpur zone (Kanpur & Bithoor), Uttar Pradesh under Namami Gange”**

- Project Cost: **Rs. 47.39 Crore** including O&M for 6 months
- Project Components:
  - Revised scope and costs of existing sanctioned project for ‘Development of Ghats & Crematoria in Kanpur’ (11 Ghats and 2 Crematoria)
  - Inclusion of additional works with revised scope and costs for ‘Development of Ghats & Crematoria in Bithoor’ (13 Ghats and 1 Crematorium), given principal approval in 16th ESC meeting.
  - Proposal for revision in sanction for overall anticipated Cost of Works for Kanpur Zone (Kanpur & Bithoor) within the approved AA & ES Cost of Kanpur (Rs. 47.39 Cr) excluding service Tax (at Present GST) on construction activities.

- Completion Time: May 2018 (Except for Crematoria in Kanpur and Ganga Barrage Ghat at Kanpur which is estimated to be completed by December 2018)

After detailed discussion, EC approved the proposal for according revised AA&ES for the project of ‘Development of Ghats & Crematoria at Kanpur Zone (Kanpur & Bithoor) in Uttar Pradesh’ within the existing sanctioned cost of Rs. 47.39 Crore (Excluding GST on construction activities) and revised scope of works with 24 Ghats and 3 crematoria in total. The project is being funded under the allocation head of “Beautification of Ghat works”.

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