

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

1<sup>st</sup> Floor,  
Major Dhyan Chand National Stadium  
India Gate, New Delhi-110002

**Dated: 07.11.2017**

**Sub: Minutes of 7<sup>th</sup> Executive Committee (EC) Meeting of NMCG held on 17<sup>th</sup> October, 2017.**

Please find enclosed the minutes of the 7<sup>th</sup> Executive Committee (EC) Meeting of NMCG held on 17<sup>th</sup> October, 2017 at 12:00 PM in NMCG office, New Delhi for information and necessary action.

  
7.11.17  
**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), Directorate of Urban Development (DUD), Uttarakhand, 43/6 Mata Mandir Road, Dharampur, Dehradun, Uttarakhand-248001.
4. Secretary (UD), Urban Development Department (UDD), 834, Bapu Bhawan, Lucknow-226001
5. Principal Secretary (UD), Urban Development Department (UDD), 4th Floor, Project Building, Dhurwa, Ranchi – 834004.
6. 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 Urban Development & Housing Department, Room no. 403, 4th Floor, Project Bhawan, Dhurwa, Ranchi, Jharkhand-834004
4. PS to DG, NMCG- for his information.

**Minutes of 7<sup>th</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 17<sup>th</sup> October 2017 in NMCG Office, Delhi**

The 7<sup>th</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) was held on 17<sup>th</sup> Oct 2017 at 12:00 PM under the Chairmanship of Director General (DG) of NMCG. List of participants is enclosed at **Annexure-I**.

Executive Director (Administration) welcomed DG, NMCG and all participants present for the 6<sup>th</sup> EC meeting and requested DG to address the house.

Welcoming the participants DG stated that Hon'ble Minister has desired that the tender notices for all the new projects should be issued by December this year and letter of award should be issued by March 2018. Hence there wa.

s an urgent need for states to expedite the project proposals as well as tender process. He mentioned that except for West Bengal major projects on the main stem of Ganga have been broadly covered. He asked for the agenda items to be taken up.

**Agenda Item no. 1: "Rehabilitation/ Renovation of Mathura sewerage scheme in U.P. State under Namami Gange Program"**

- DPR appraised by AHEC, IIT Roorkee, Roorkee, UK
- Project Cost: ₹ 536.80 Crore including O & M for 15 years for (a) Phase-I – ₹ 356.88 Crore & (b) IOCL – ₹ 179.92 Crore
- Land: to be provided by State Government
- Project Components:
  - Construction of 30MLD STP at Masani
  - Laying of rising main-12.73km
  - Construction/renovation of sewage Pumping Station (SPS)-9
  - Rehabilitation/renovation of sewage treatment plant (STP)-3 (16MLD, 14.5MLD and 6.8MLD)
  - Nala tapping arrangement including gravity header-20 nos.,4.775 km
  - Construction of TTRO plant, Rising main and pumping station for Mathura refinery
  - Operation & maintenance for 15 years
- Completion Time: 36 Months excluding bidding period
- Financial Effect: 100% Central Sector for Phase-I (Rs. 356.88 Cr) and IOCL funding for IOCL works(Rs. 179.92 Cr)
- Bidding Process: Hybrid Annuity Based PPP model

*The proposal was placed before Executive Committee (EC) for according the approval for an estimated cost of ₹ 536.80 Crore including cost of O & M for 15 years. The Centage charges were calculated on Capital Works including GST as SoR rates are inclusive of taxes. However, EC decided that with implementation of GST, SoR rates should be considered without GST & centage charges of department should be calculated on the capital cost without GST. GST charges should be paid extra. NMCG's share for Phase-I was ₹ 356.88 Crore including O&M and IOCL's share is ₹ 179.92 Crore for IOCL works.*

*EC also observed that O&M cost of the project is significantly high as compared to recently bided project under hybrid annuity based PPP mode. However, UPJN apprised that O&M cost has been taken as per NGRBA Guidelines. EC decided that O&M cost quoted by bidders shall be considered for funding.*

*After detailed discussion EC resolved to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for I&D and STP works at Mathura for an estimated amount of ₹ 384.49 Crore including cost of O & M for 15 years, considering to be implemented on Hybrid Annuity based PPP mode, including IOCL share of ₹ 179.52 Crore. The basic construction cost for Mathura sewerage infrastructure phase-I (excluding IOCL component) is ₹ 209.97 Crore including 15 years O&M cost of ₹ 60.88 Crore. The cost of electricity and diesel has to be paid separately on actual basis. IOCL has to give their consent to fund the IOCL share of ₹ 179.52 Crore for IOCL works within a week of issue of MoM of the EC. It was also resolved that the observations of NMCG, and TPA should be complied by the State Governments/Executing Agency at the time of finalization of Bid document, at the time of execution and during O&M. O&M for 15 years after commissioning will form part of the project scope and in subsequent years, State Governments ULB will ensure the O&M of I&D system as per the norms. The project has been considered to be funded under NGP Component. 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, based on compliance to the observations of TPA, and NMCG observations and recommendations.*

**Agenda Item no. 2: “Revised Administrative Approval & Expenditure Sanction for JICA Assisted GAP-II Project, Varanasi”**

- Original project Cost : ₹ 496.90 Crore ; GOI Share – 427.73 crore
- Project cost revision sought: ₹ 641.19 Crore; revised GOI Share – ₹ 521.07 Crore, State Share – ₹ 120.12 Crore; cost revision only in Sewerage component, no revision in non-sewerage component
- Financial Effect : 85:15 for the agreed additional cost to be shared, additional cost on account of excess contract cost, variations, land, centages etc. to be borne fully (100%) by the State.
- Funding – Excess central allocation to be met through the unutilized JICA loan amount. JICA has provided “No Objection” for the same.

*After detailed discussion Executive Committee (EC) resolved to approve the proposal for according Revised Administrative Approval and Expenditure Sanction (AA&ES) for JICA Assisted GAP-II Project, Varanasi under Namami Gange Program for the revised project cost of ₹ 641.19 Crore and additional central funding of ₹ 72.90 Crore as per the following details:*

*All values – ₹ In crore*

Items	Sanction Cost	Additional cost sought for			Revised Project Cost	Additional cost agreed by EC to be
		Excess Cost due to change in scope before contract award	Other cost	Total		

		Excess cost put to bid	power connections cost	Railway way leave charges	escalation			shared on 85:15 pattern
(a)	(b)	(c)	(d)	(e)	(f)	(g) = sum [c to f]	(h) = (b) + (g)	(i) = sum[c to e]
Sewerage Component								
Package 1	130.46	0	0.23	2.46	22.72	25.41	155.87	2.69
Package 2	32.87	0	-1.7	0	2.84	1.14	34.01	-1.7
Package 3	97.17	66.2	11.69	0	11.42	89.31	186.48	77.89
Package 4	71.88	5.38	0	0	7.32	12.7	84.58	5.38
Package 5	14.68	1.07	0.44	0	2.89	4.4	19.08	1.51
Power Connection	4.25						4.25	0
Land Cost	17.63				6.82	6.82	24.45	0
Centage	26.21					0	26.21	0
Labour Cess	0				4.51	4.51	4.51	0
Non Sewerage	34.2						34.2	0
IDP	31.8						31.8	0
Consulting Services	35.75						35.75	0
Gross total	<b>496.9</b>	<b>72.65</b>	<b>10.66</b>	<b>2.46</b>	<b>58.52</b>	<b>144.29</b>	<b>641.19</b>	<b>85.77</b>
<b>Part of the additional cost to be borne by GOI [(j) = (i)*0.85]</b>							<b>72.90</b>	
<b>Part of the additional cost to be borne by State [(k) = (f) + (i)*0.15]</b>							<b>71.39</b>	

*EC decided that State has to bear the additional cost due to cost escalation, land procurement, if any, state executing agency's centage charges etc. The additional state share of funding stands at ₹ 71.39 Crore.*

*The EC has considered this approval as an exception in consideration of and limited to the significant changes in the scope of work before award of the work. 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 a month of issue of minutes.*

**Agenda Item No. 3:** "Municipal Solid Waste Management Project at Sahibganj and Rajmahal, Jharkhand."

- DPR - Appraised by: IIT Kharagpur
- The project proposes development of 50 TPD waste to compost plant along with (i) Storage of waste; (ii) Segregation of waste; (iii) Collection and transportation of waste; (iv) Processing of waste and (v) Landfilling of inert residue
- 20 years Operation & Maintenance

- The central government support is sought to fund the Viability Gap Funding (VGF) after bidding of the project. Bid Document is prepared.
- As of now VGF estimated: ₹ 66.08 Crore including O&M for 20 years
- Land: To be provided by State Government and is in possession
- Financial Effect: Central sector scheme with 100% funding of the capital grant and 15 years of net O&M (i.e. O&M cost-Revenue) for the project. The rest 05 years of net O&M will be borne by the state government.
- Bidding Process: Bidding will be done by State Government on PPP mode & only the VGF is to be funded. Selection Bidder will be on the basis of VGF quoted.

*After detailed discussion, Executive Committee (EC) decided that, the project being the 1<sup>st</sup> of such related to Solid Waste Management to be implemented through PPP mode under Namami Gange programme, further deliberation and discussion with Ministry of Housing and Urban affairs is necessary to understand the implementation model under PPP and how the VGF is arrived at. As of now the VGF for the present proposal seems to be on higher side.*

**Agenda Item No. 4: “Sewerage, Sewage Treatment & Disposal for Ghazipur City” District-Ghazipur, Uttar Pradesh under Namami Gange**

- DPR appraised by AHEC, IIT-Roorkee.
- Project Cost: ₹ 10769.45 Lakh including O & M for 15 years and GST @ 12%.
- The land for MPS and STP is available in Ghazipur Nagar Palika Parishad and will be transferred to Executing Agency post sanctioning of the project.
- Project Components:
  1. Sewage Treatment Plant – 1 No (21 MLD)
  2. Main Sewage Pumping Station – 1 No.
  3. Rising Mains (600 mm dia.) – 50 m
  4. Treated Effluent Channel – 1000 m
  5. Operation & Maintenance - 15 years for I/ D and STP works
- Completion Time: 24 Months including bidding period
- Financial Effect: 100% Central Sector
- Bidding Process: Bidding will be done on DBOT Mode and technology option shall remain open for bidders.

*After detailed discussion Executive Committee (EC) resolved to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for Sewerage, Sewage Treatment & Disposal for Ghazipur City” District-Ghazipur, Uttar Pradesh under Namami Gange Program for an estimated amount of ₹ 9081.62 Lakh (including cost of O & M for 15 years - ₹ 4743.30 Lakh) plus applicable GST to be implemented on Hybrid Annuity based PPP mode. 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. 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 Component B – New Initiatives of Mission Namami Gange Program. The State Government should ensure the availability of land, wherever needed in their possession before awarding the works. The State should synergize the network project approved under Amrut programme and ensure completion of 40% of the sewerage network (trunk & laterals) before commencement of STP construction to avoid idling of assets created.*

**Agenda Item No. 5: “Interception, Diversion and Treatment Works for Abatement of Pollution of River Ganga at Mirzapur Town (UP) under Namami Gange Program.”**

- DPR appraised by AHEC, IIT-Roorkee.
- Project Cost: ₹ 13741.72 Lakh including O & M for 15 years.
- The land for MPS and STP is available in Mirzapur Palika Parishad and will be transferred to Executing Agency post sanctioning of the project.
- Project Components:
  1. Drain Tapping - 18 Nos. [Bisundarpur Drain, Hanuman Ghat Drain, Barah Miliarh Drain, Public Club Drain, District Judge Drain, Lift Canal Drain, Morcha Ghar Drain, Irrigation Colony Drain, Ghore Shaheed Drain, Kacheri Drain, Oliyar Ghat Drain, Sunder Drain, Badli Ghat Drain, Pakka Ghat Drain, Narghat Drain, Balaji Temple Drain, Khandwa Drain and Chorawa Drain].
  2. Onsite Treatment
  3. Interceptor Trunk Sewer 600 + 700 + 800 mm dia. – 0.43 +0.63 + 1.009 Km.
  4. Sewage Treatment Plant – 2 No (8.5 MLD Each).
  5. New Main Sewage Pumping Station – 1 No. at Bisunderpur.
  6. Renovation of Old Main Sewage Pumping Station – 1 No. at Kacheri.
  7. New Lift Station - 1 No. at Ghore Shaheed Drain.
  8. Renovation of Old Intermediate Pumping Station - 1 No. at Chetganj Tiraha.
  9. Rising Mains (500 + 300 mm dia.) – 75 + 445 m at Zone I.
  10. Treated Effluent Pumping Station Rising Main (700 mm dia.) – 2000 m at Zone II (Existing STP Campus).
  11. Treated Effluent Channel (600 mm dia.) – 400 m at Zone I.
  12. Operation & Maintenance - 15 years for Sewerage works.
- Completion Time: 31 Months including bidding period
- Financial Effect: 100% Central Sector
- Bidding Process: Bidding will be done on Hybrid Annuity based PPP model and technology option shall remain open for bidders.

*After detailed discussion Executive Committee (EC) resolved to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for Interception, Diversion and Treatment Works for Abatement of Pollution of River Ganga at Mirzapur Town (UP) under Namami Gange Program for an estimated amount of ₹ 11493.06 Lakh (including cost of O & M for 15 years - ₹ 6501.67 Lakh) plus applicable GST to be implemented on Hybrid Annuity based PPP model. It was 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 Component B – New Initiatives of Mission Namami Gange Program. The State Government should ensure the availability of land in their possession before awarding the works.*

**Other decision's of EC:**

- (i) In consideration of the large costs towards O & M and significant variation in the O & M costs arrived at by different Executing Agencies, it has been decided to form a committee to look into the O & M costing issues and standardize the same.*

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8.	Ajay K. Gupta	30. Specialist	NMCG			
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