

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: 28th March 2017

Sub: Minutes of 2nd Executive Committee Meeting (EC) of NMCG held on held on 24th March, 2017.

Please find enclosed the minutes of the 2nd Executive Committee Meeting (EC) of NMCG held on held on 24th March, 2017 at 03.00 PM in The conference Hall of NMCG, New Delhi for information and necessary action.


28/3/17

Hitesh Kumar S. Makwana
Executive Director (Projects)
Contact: 011-23049409

To,

1. Shri U. P. Singh, Director General, National Mission for Clean Ganga.
2. Shri Vivek Joshi, Joint Secretary, Department of Expenditure, Ministry of Finance, North Block, New Delhi-110001
3. Adviser, NITI Aayog, Yojana Bhawan, Sansad Marg, New Delhi-110001
4. Principal Secretary (UD), Urban Development Department (UDD), 4th Floor, Project Building, Dhurwa, Ranchi – 834004.
5. Principal Secretary (UD), Directorate of Urban Development (DUD), Uttarakhand, 43/6 Mata Mandir Road, Dharampur, Dehradun, Uttarakhand-248001.
6. Secretary (UD), Urban Development Department (UDD), 834, Babu Bhawan, Lucknow- 226001
7. Principal Secretary (UD&Housing), Urban Development and Housing Department (UDHD), Vikas Bhawan, Bailey Road, Patna, Bihar-800015.
8. Principal Secretary (UD), Department of Municipal Affairs (DMA), Nagarayan, Sector-I, Block-DF-8, Bidhan Nagar, Kolkata-700064

Minutes of 2nd meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 24th March 2017 in NMCG Office, Delhi

The 2nd meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) was held on 24th March 2017 at 15.30 hours under the Chairmanship of Director General (DG) of NMCG. List of participants is enclosed at **Annexure-I**.

ED (Admin) welcomed DG/NMCG and participants of the meeting and requested DG to share his views.

DG mentioned in his opening speech that the meeting had to be called at a very short notice to expedite the work of Ganga cleaning.

He said at the moment we should concentrate primarily on the activity of sewerage treatment on the main stem of Ganga and after today's meeting, as Uttarakhand is likely to get saturated our focus should be on Uttar Pradesh, Bihar and West Bengal.

DG said that we would like to have two meetings each in the month of April, May and June and try to sanction works of new STP to be set up. He asked the Executive Agencies to show similar urgency in processing the projects. He cited certain examples where projects had been dropped after more than a year from the date of sanction. Such delays should not be allowed to happen.

DG asked ED (Project) to keep draft AA & ES ready so that the same could be issued immediately after EC meeting. He stated that AA&ES should be uploaded on the website so that they could be downloaded without waiting for formal AA&ES to be issued.

On the issue of DPR, DG expressed concern on the quality of DPRs being prepared by State Agencies. He suggested that a panel of DPR preparing agencies may be kept ready by NMCG, the services of which could be used by State Agencies.

Agenda Item No.1: Pollution Abatement Works for River Ganga at Muni-Ki-Reti & Dhalwala (DPR for I&D and STP works, Muni-Ki-Reti & Dhalwala (Tehri Garhwal) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 8045.14 Lakhs including O&M 1 Year of I&D works and 15 years of STP works
- Land: To be provided by State Government
- Project Components: SPS with E&M Works–2 Nos, Rising Main-3573 m, Construction of nala tapping 3 nos, Construction of STPs 2 nos 5 MLD and 7.5 MLD respectively, Tertiary treatment plant & Online Monitoring for STPs 2 nos.
- Completion Time: 24 Months (including bidding)
- Financial Effect: 100% Central Sector
- Bidding Process: DBOT Mode

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for I&D and STP works in Muni-Ki-Reti & Dhalwala for an estimated amount of Rs 8045.14 Lakhs (including 15 years O&M for STP and 1 year O&M for I&D works). It was also resolved that the observations of NMCG, TPA and World Bank would be part of the AA&ES order. Same 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. For the I&D works, O&M for the 1 Year after commissioning will form part of the project scope and in subsequent years, State Govt./ULB will ensure the O&M of I&D system as per the norms. The project has been considered to be funded under EAP Component (World Bank Funded) subject to the NOC received from World Bank for this projects, otherwise the funding will be from Non-EAP, National Ganga Plan (NGP). The State Govt. should ensure the availability of land in their possession before awarding the works.

The project STP capacities are very small 5 MLD & 7.5 MLD and there is no possibility of reuse of treated waste water for commercial purposes. Hence, taking up of the project under Hybrid Annuity based PPP mode is not feasible. Therefore, the project will be executed following DBOT mode.

Agenda Item No.2: Pollution Abatement Works for River Alaknanda at Chamoli-Gopeshwar (Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs. 6163.22 Lakhs including 1 year of I&D works and 15 years of STP works
- Land: To be provided by State Government
- Project Components: Carrier Lines 150-250mm dia– 1046.40M, Sewerage Treatment Plant for zone A, B, C, D & E is 0.76, 1.19, 1.25, 1.12, 0.05 MLD capacity each respectively, Steel Bridge 80 m span at Alaknanda – 1 No
- Completion Time: 18 Months (including bidding)
- Financial Effect: 100% Central Sector
- Bidding Process: DBOT Mode

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES)for I&D and STP works in Chamoli-Gopeshwar for an estimated amount of Rs 6163.22.14 Lakhs (including 15 years O&M for STP and 1 year O&M for I&D works). It was also resolved that the observations of NMCG and TPA would be part of the AA&ES order. Same 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. For the I&D works, O&M for the 1 Year after commissioning will form part of the project scope and in subsequent years, State

Govt./ULB will ensure the O&M of I&D system as per the norms. The project has been considered to be funded under National Ganga Plan (NGP). The State Govt. should ensure the availability of land in their possession before awarding the works.

The project is located (i) in very remote location; (ii) STP capacity is very small (cumulative capacity 4.37 MLD); (iii) limited chances of clubbing up with other projects; and (iv) no possibility of reuse of treated waste water for commercial purposes. Hence taking up of the project under Hybrid Annuity based PPP mode is not feasible. Hence the project will be executed following DBOT mode.

Agenda Item No.3: Pollution Abatement Works for River Alaknanda at Badrinath (Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs. 1823.65Lacs including O&M of 1 year for I&D works and 15 years for STP works.
- Land: To be provided by State Government
- Project Components: Laying of Carrier line 150-200 mm – 200 M, Sewage Treatment Plant of 1.00 MLD & 0.01 MLD (Package type) capacity.
- Completion Time: 24 Months (including bidding)
- Financial Effect: 100% Central Sector
- Bidding Process: DBOT Mode.

After detailed discussions Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for I&D and STP at Badrinath an estimated amount of Rs 1823.65 Lakhs (including 15 years O&M for STP and 1 year O&M for I&D works) . It was also resolved that the observations of NMCG and TPA would be part of the AA&ES order. Same 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. For the I&D works, O&M for the 1 Year after commissioning will form part of the project scope and in subsequent years, State Govt./ULB will ensure the O&M of I&D system as per the norms. The project has been considered to be funded under National Ganga Plan (NGP). The State Govt. should ensure the availability of land in their possession before awarding the works.

The project is (i) located in very remote location; (ii) STP capacities are very small (cumulative capacity 1.01 MLD); (iii) limited chances of clubbing up with other projects; and (iv) no possibility of reuse of treated waste water for commercial purposes. Hence, the feasibility of taking up the proposal in Hybrid Annuity based PPP mode is very limited. Therefore, the project to be executed following DBOT mode.

Agenda Item No. 4: Pollution Abatement Works for River Alaknanda at Srinagar Garhwal (Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs. 2251.39 Lacs including O&M of 1 year for I&D works and 15 years for STP works.
- Land: To be provided by State Government
- Project Components: Carrier Lines 200-450 mm dia – 1595.70M, Nala Tappings -10 Nos , Renovation of Nala Tappings – 7 Nos, Sewage Pumping Station - 1 No, Rising main – 800 M, Sewage Treatment Plant (1.0MLD) - 1No, On-line Monitoring System at STP- 1No
- Completion Time: 18 Months (including bidding)
- Financial Effect: 100% Central Sector
- Bidding Process: DBOT Mode.

After detailed discussions, Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for I&D works and STP at Srinagar Garhwal an estimated amount of Rs 2251.39 Lakhs (including 15 years O&M for STP and 1 year O&M for I&D works) . It was also resolved that the observations of NMCG and TPA would be part of the AA&ES order. Same 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. For the I&D works, O&M for the 1 Year after commissioning will form part of the project scope and in subsequent years, State Govt./ULB will ensure the O&M of I&D system as per the norms. The revised HFL, post 2013 floods needs to be considered during execution of works. The project has been considered to be funded under National Ganga Plan (NGP). The State Govt. should ensure the availability of land in their possession before awarding the works.

The project is (i) located in very remote location; (ii) STP capacity is very small (iii) limited chances of clubbing up with other projects; and (iv) no possibility of reuse of treated waste water for commercial purposes. Hence taking up of the project under Hybrid Annuity based PPP mode is not feasible. Hence the project will be executed following DBOT mode.

Agenda Item No. 5: Upgradation of Existing 3.5 MLD STP at Srinagar-Garhwal, in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs. 1540.50 Lakhs including O&M of 15 years for STP works.
- Land: To be provided by State Government
- Project Components: Anoxic Tank, Fab Reactor, Tube Settler, Sludge Sump, Disc Filter & Online Monitoring system for STP
- Completion Time: 18 Months (including bidding)

- Financial Effect: 100% Central Sector.
- Bidding Process: DBOT Mode.

After detailed discussions Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for upgradation of existing STP at Srinagar-Garhwal including online monitoring and tertiary treatment an estimated amount of Rs 1540.50 Lakhs (including 15 years O&M for STP) . It was also decided that the observations of NMCG and TPA would be part of the AA&ES order. Same should be complied by the State Government/Executing Agency at the time of finalization of Bid Document, at the time of execution and O&M. The revised HFL, post 2013 floods needs to be considered during execution of works.

Since it is an upgradation of existing STP and capital cost of works is less, taking up the project under Hybrid Annuity based PPP mode is not feasible. Hence the project will be executed following DBOT mode.

Agenda Item No. 6: Pollution Abatement Works for River Alaknanda at Nandprayag (Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by:IIT-Roorkee
- Project Cost: Rs. 646.32Lakhs including O&M of 1 year for I&D works and 15 years for STP works.
- Land: To be provided by State Government
- Project Components: Nala Tapping - 3 Nos., Interceptor/Carrier Lines 250 mm dia – 375 M, Sewage Treatment Plant – 3 Nos (50 KLD Capacity each)
- Completion Time: 15 Months (including bidding)
- Financial Effect: 100% Central Sector.
- Bidding Process: DBOT Mode.

After detailed discussions Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for I&D works and STP at Nandprayag for an estimated amount of Rs 646.32 Lakhs (including 15 years O&M for STP and 1 year O&M for I&D works) . It was also resolved that the observations of NMCG and TPA would be part of the AA&ES order. Same 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. For the I&D works, O&M for the 1 Year after commissioning will form part of the project scope and in subsequent years, State Govt./ULB will ensure the O&M of I&D system as per the norms. The revised HFL, post 2013 floods needs to be considered during execution of works. The project has been considered to be funded under National Ganga Plan (NGP). The State Govt. should ensure the availability of land in their possession before awarding the works.

The project is (i) located in very remote location; (ii) STP capacities are very small (cumulative less than 0.1 MLD); (iii) limited chances of clubbing up with other projects; and (iv) no possibility of reuse of treated waste water for commercial purposes. Hence taking up of the project under Hybrid Annuity based PPP mode is not feasible. Hence the project will be executed following DBOT mode.

Agenda Item No. 7: Upgradation of 3.0MLD STP at Swargashram, Rishikesh in Uttarakhand State Under Namami Gange Programme

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 451.66 Lakhs including O&M of 15 years for STP works.
- Land: To be provided by State Government
- Project Components: Tertiary Treatment Plant for Existing 3 MLD STP at Swargashram, Rishikesh, Online Monitoring
- Completion Time: 12 Months (including bidding)
- Financial Effect: 100% Central Sector.
- Bidding Process: DBOT Mode.

After detailed discussions Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for upgradation of existing STP at Swargashram, Rishikesh including online monitoring and tertiary treatment an estimated amount of Rs 451.66 Lakhs (including 15 years O&M for STP) . It was also decided that the observations of NMCG and TPA would be part of the AA&ES order. Same should be complied by the State Government/Executing Agency at the time of finalization of Bid Document, at the time of execution and O&M. The revised HFL, post 2013 floods needs to be considered during execution of works.

The proposed up gradation is only for providing online monitoring of STP and tertiary treatment which is an additional unit of the overall sewage treatment plant. Since there is already an existing O&M contract given to a private firm for the main STP components, the performance of the tertiary treatment unit will largely depend upon the performance of the main STP. Therefore, the performance related payment as per the Hybrid Annuity model may not be feasible for the tertiary treatment unit only. Hence the project will be executed following DBOT mode.

Agenda Item No. 8: Pollution Abatement and Ghat Development works in Kedarnath, Uttarakhand State

- DPR - Appraised by: IIT-C
- Project Cost: Rs 365.00Lakhs
- Land: To be provided by State Government

- Project Components: Pollution abatement works, Ghat Development works, Change Room – 2 Nos
- Chatries – 4 Nos
- Completion Time: 6 working Months
- Financial Effect: 100% Central Sector.
- Bidding Process: DBOT mode of and technology option shall remain open for bidders

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for Ghat development works in Kedarnath for an estimated amount of Rs 365.00 Lakhs to be taken up the proposal on DBOT mode of and technology option shall remain open for bidders. It was also decided that the observations of NMCG and TPA would be part of the AA&ES order. Same 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.

As the town is in restoration phase and will take months & years to fully restore, & develop and the land is also in settling stage, laying of permanent sewerage network is not technically feasible. As per prevailing site conditions, the immediate solution for abating Pollution surrounding Temple (Kedarpuri) can only be done through setting up pre-fabricated packaged type bio-digester just below the toilets. Kedarnath has extreme difficult climatic conditions and not connected by motorable road, Foot track is only means for cartage of all construction material thru head load or pony thus the realistic cost of works is difficult to estimate. It can only be ascertained after receiving of the lowest bid (L1) for the works and thus EC may approve the cost revision, if any, at later stages.

Agenda Item No. 9: Rehabilitation of Sewerage Infrastructure and Augmentation / Upgradation of Sewage Treatment Plant at Vrindavan (Mathura) U.P.

- DPR - Appraised by: A.M.U. , Aligarh
- Project Cost: Rs. 3381.89 Lakhs including 15 YEARS O&M OF I&D WORKS, SPSs, Rising Mains & upgraded STP of 5 MLD
- Land: to be provided by State Government
- Project Components: Rehabilitation works in Existing 4 SPS, E&M Rehabilitation work in Existing 4 SPS, Rising Main – 2300 m (400 mm dia DI K-9 pipe), Augmentation and Upgradation of existing 4 MLD WSP STP to 5 MLD based on Constructed Wetlands Technology,
- Completion Time: 24 Months (including bidding)
- Financial Effect: 100% Central Sector.
- Bidding Process: DBOT Mode

After detailed discussions Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for upgradation of existing STP at Vrindavan (Mathura), U.P. including online monitoring and tertiary treatment an estimated amount of Rs 3381.89 Lakhs (including 15 years O&M for STP & I&D) . It was also decided that the observations of NMCG and TPA would be part of the AA&ES order. Same should be complied by the State Government/Executing Agency at the time of finalization of Bid Document, at the time of execution and O&M. The revised HFL, post 2013 floods needs to be considered during execution of works. The project has been considered to be funded under National Ganga Plan (NGP). The State Govt. should ensure the availability of land in their possession before awarding the works.

The project involves conversion of existing Waste Stabilization Ponds into Constructed Wetland and cost of STP works is small. Hence, taking up of the project under Hybrid Annuity based PPP mode is not feasible. Hence the project will be executed following DBOT mode.

Agenda Item No. 10: Extension of time for two projects sanctioned under NRCP at Sonipat and Panipat in Haryana

The two pollution abatement projects for River Yamuna in towns Sonipat and Panipat were recommended in Standing Finance Committee on 31st May, 2012. Presently, in Sonipat 92% and in Panipat 94% works has been completed and extension of 3 months (upto 30 June 2017) was requested by executing agency.

After detailed discussions Executive Committee (EC) approved the proposal and agreed to give the extension for 3 months.

Agenda Item No. 11: Exploratory survey on Hilsa, *Tenuolosa ilisha* catch and life stages availability along up/down stream of Farraka barrage

Consultant (Bio-diversity) explained the rationale behind the proposed project. From the landing data, a steep decline is evident in the middle stretch of the Ganga and maximum decline in the stretch above Farakka barrage. In order to understand the migration behaviour and status of these species it is imperative to carry out the investigation on the status of life stages of hilsa in and around Farakka barrage.

The project is targeted for exploratory survey on Hilsa, *Tenuolosa ilisha* catch and life stages availability along up/down stream of Farraka barrage with the following objectives:

- Assessment of present catch of hilsa in the main river (Ganga)/ up/down stream of Farakka barrage, Feeder channel and in Navigational channel

- Assessment of availability of life stages of hilsa in the selected stretches to establish its habitat.

The study will be for a period of four months and will come out with a detailed data on catch, size, sex and maturity stages of hilsa. In addition, data on the different life stages of hilsa will be generated to understand the location and availability of the fish species for better conservation and management of hilsa fishery in river Ganga.

After detail discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for Exploratory survey on Hilsa, Tenuolosa ilisha catch and life stages availability along up/down stream of Farraka barrage for an estimated cost of Rs. 24,50,600/-.

Agenda Item No. 12: Proposal for raising of one Composite Ecological Task Force (CETF) battalion Territorial Army for National Mission for Clean Ganga

ED (Admin) made a brief presentation about the project.

The project is targeted for raising of one Composite Ecological Task Force (CETF) battalion Territorial Army for National Mission for Clean Ganga with the following objectives & task:

Objectives:

- To raise One Composite Ecological Task Force (CETF) battalion Territorial Army as a Pilot Project,
- A dedicated force for accomplishment of tasks & activities relates to Ganga Rejuvenation,
- To undertake and monitor ecological and environmental related projects along the River Ganga and public awareness campaigns.

Task:

- Plantation of trees to check soil erosion.
- Management of public awareness/ participation campaigns.
- Patrolling of sensitive river areas for biodiversity protection.
- Monitoring of River Pollution.
- Assist in enforcement of Pollution Control Measures.
- Assist local Civil Administration/Police in management of Ghats.
- Assist during floods/natural calamity in the region.

After detail discussion, Executive Committee (EC) resolved to approve the proposal for Raising of one Composite Ecological Task Force (CETF) battalion Territorial Army for National Mission for Clean Ganga for an estimated cost of Rs. 167 crores.

Other Decisions Taken by the EC:

- *In the proposed STPs, online monitoring system should be installed at the inlet and outlet points of STP.*
- *All infrastructure projects need to conduct project specific IEC activities and detailed plan for such activities to be submitted to NMCG. "Namami Gange" signage to be placed at all the project sites approved under Namami Gange programme.*
- *Cost of getting statutory clearances will be provided as a reimbursement on the basis of supporting documents.*
- *Charges for DPR preparation for the approved projects will be provided to the executing agency at the earliest.*
- *Geo-tagging of all the Sewage Treatment Plants shall be done.*
- *As far as it concerns STPs, various low-cost technologies may also be explored.*

Kitesh Narwan

Annexure-I

Attendees of 2nd Executive Committee meeting held on 24.03.2017

Sr. No.	Name	Designation	Organisation
1.	Shri U.P. Singh	Director General	NMCG (In chair)
2.	Shri Rajiv Kishore	ED(Admin)	NMCG
3.	Shri Hitesh Kr. S. Makwana	ED (Project)	NMCG
4.	Shri Rozy Agarwal	ED (Finance)	NMCG
5.	Shri D.P. Mathuria	ED (Tech)	NMCG
6.	Shri Avinash Mishra	Jt. Advisor	NITI Aayog
7.	Shri A. K. Saxena	Technical Adviser	SPMG, Uttarakhand
8.	Shri B. K. Kukreti	Procurement Specialist	SMG, Uttarakhand
9.	Shri Prabhat Raj	CE, Pey Jal Nigam	Uttarakhand Pey Jal Nigam
10.	Shri M. Hasan	PM	Uttarakhand Peyjal Nigam, Rishikesh
11.	Shri K. K. Rastogi	PM	Uttarakhand Peyjal Nigam, Srinagar
12.	Shri Javed Ahmad Ansari	Tech. Adviser	UP SPMG
13.	Shri Waseem Athar Hussain	AE	UP Jal Nigam, Mathura, Drainage and Sewerage Unit
14.	Shri Nizamuddin	Project Manager	UP Jal Nigam, Mathura, Drainage and Sewerage Unit
15.	Shri Anil Kumar Jindal	General Manager	YPCU, UP Jal Nigam, Agra
16.	Shri R. K. Garg	Chief Engineer	Jal Nigam Agra

17.	Shri S. K. Dahiya	Executive Engineer	Public Health Haryana
18.	Shri Vikram Singh	Executive Engineer	Public Health Engineering Department, Haryana
19.	Shri Alok Suman	Consultant	World Bank
20.	Ms. Shivani Pandey	Consultant	World Bank
21.	Dr. Pravin Kumar	Dir (T-III)	NMCG
22.	Shri Sandeep Behra	Consultant Biodiversity	NMCG
23.	Shri Vijay Kumar Yadav	ACE	NMCG