

**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: 16<sup>th</sup> May, 2017**

**Sub: Minutes of 3<sup>rd</sup> Executive Committee Meeting (EC) of NMCG held on held on 11<sup>th</sup> May, 2017.**

Please find enclosed the minutes of the 3<sup>rd</sup> Executive Committee Meeting (EC) of NMCG held on held on 11<sup>th</sup> May, 2017 at 04:00 PM in The conference Hall of NMCG, New Delhi for information and necessary action.

  
16.5.17  
**Rajiv Kishore**

**Executive Director (Administration)**  
**Contact: 011-23049440**

**To,**

1. Shri U. P. Singh, Director General, National Mission for Clean Ganga.
2. Shri Sandeep Dave, 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

9. Deputy Director General, National Mission for Clean Ganga
10. Executive Director (Finance), National Mission for Clean Ganga
11. Executive Director (Projects), National Mission for Clean Ganga
12. Executive Director (Technical), National Mission for Clean Ganga

**CC:**

1. Project Director, SPMG Group (Secretary Urban Development), Government of Bihar, Vikash Bhawan, Bailey Road, Patna, Bihar – 800001
2. Project Director, SPMG Group Urban Development & Housing Department, Room no. 403, 4th Floor, Project Bhawan, Dhurwa, Ranchi, Jharkhand-834004
3. Project Director, SPMG Group 834, Bapu Bhawan Sachivalya, Lucknow, - 226001.
4. Project Director, SPMG Group 117 Indira Nagar Dehradun 248001 Uttarakhand
5. Project Director, SPMG Group Nagarayan Bhawan (6th Floor), DF-8, Sector-I, Salt Lake, Kolkata – 700064

**Minutes of 3<sup>rd</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 11<sup>th</sup> May 2017 in NMCG Office, Delhi**

The 3<sup>rd</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) was held on 11<sup>th</sup> May 2017 at 04:00 PM under the Chairmanship of Director General (DG) of NMCG. List of participants is enclosed at **Annexure-I**.

Executive Director (Administration) welcomed the Director General, NMCG, members of Executive Committee and other participants and requested the Chair person to give his opening remarks.

Director General and Chair person welcoming the members of Executive Committee informed that as per commitment given to PMO all projects on main stem of river Ganga should be sanctioned by July this year, and subsequently for major tributaries also.

Director General expressed concern that cheaper technologies were not been adopted for small STP projects. He mentioned that the projects for Okhla and Pahari in Bihar were basically re-sanctioning of earlier approved projects.

Director General expressed concern that several projects, years after being sanctioned were not being grounded. He observed that NGT orders should not become an obstacle in proceeding with our legitimate tasks and full fact should be brought to NGT so that they may appreciate our position in proper prospective.

DG informed that the NGT Chairman & Members would be visiting the stretch of Ganga from Kanpur upward to Haridwar for onsite inspection.

DG replying to a query of Principal Secretary, Bihar confirmed that the work would be done through the State agency provided state agency has the capability to execute the projects.

DG mentioned that there is a need to inventorise the numbers of STPs in Ganga basin and all relevant information need to be collected so that immediate corrective action could be taken in case of non-operational/non-compliant STPs .

Delhi Jal Board CEO informed that they have Online Monitoring System through which all the STPs are being monitored on real time basis. DG desired that the system may be examined for adoption by NMCG and other state agencies.

DG stressed the importance of visual cleanliness of ghats and banks for which Municipal Corporations are responsible but they are not owning their responsibility in full measure. He asked the states to involve the willing NGOs in the above endeavour.

DG informed that Ganga Dussehra in going to be celebrated on 3rd June 2017 in which he sought full cooperation of states in making it a grand success.

He cited the example of the UP Chief Secretary who had written to the DMs of Ganga Districts of UP to participate in the recently held Swachh Ganga Sankalp Diwas on 2nd May 2017. He mentioned that these events help cleaning of Ganga and get people connected with the mission. He expressed the need to utilize the ICE component of every project fruitfully.

NITI Ayog representative intervened to state that Solid Waste Management for urban areas and Liquid Waste Management for rural areas need to be given greater.

Thereafter following agenda items were discussed:

**Agenda Item No.1: “Interception, Diversion & Treatment Works” For Naini (District G), Phaphamau (District F) and Jhunsi Area District: Allahabad Under Namami Gange**

- DPR - Appraised by: IIT-Roorkee
- Project Cost: ₹ 76759.66 Lakhs including O&M for 15 years
- Land: To be provided by State Government
- Project Components: Construction 20 Nos. of nala tapping/ interception arrangements, 7 Nos. of Sewage Pumping Stations with E & M Works, Rising Main - 2970 m, , Construction of 3 Nos. of STPs - 42 MLD (Naini), 16 MLD (Jhushi) and 14 MLD (Phahphamau), and Online flow & quality monitoring systems for each of the three STPs at inlet & outlet.
- Completion Time: 36 Months (including bidding)
- Financial Effect: 100% Central Sector
- Bidding Process: Hybrid Annuity based PPP model

*After detailed discussion, Executive Committee (EC) resolved to approve the proposal for according administrative approval and expenditure sanction (AA&ES) for I&D and STP works in Naini (District G) and Phaphamau (District F) of Allahabad city and Jhunsi Area of Allahabad district for an estimated amount of ₹ 76759.66 Lakhs (including cost of O&M for 15 years - ₹ 46579.41 Lakh) to be implemented on hybrid annuity based PPP mode. It was also resolved that the observations of NMCG, TPA and World Bank 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 and STP works, O&M for 15 Years 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 assisted project (Component A of Namami Gange) 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.*

**Agenda Item No.2: “Pahari Sewage Treatment Plant (60 MLD) for Patna, Bihar (Revised AA&ES)” under Namami Gange Programme**

- DPR - Appraised by: IIT-Roorkee
- Project Cost: ₹ 20303.09 Lakhs including O&M for 15 years
- Land: To be provided by State Government
- Project Components: Construction of 60 MLD STP with online monitoring system at both Inlet and Outlet, 15 Year post commissioning operation and maintenance work, Effluent channel of 1 Km and reuse components, UV Disinfection.

- Completion Time: 36 Months (including bidding)
- Financial Effect: 100% Central Sector (From World bank)
- Bidding Process: DBOT Mode

*After detailed discussion, Executive Committee (EC) noted that the earlier proposal was approved in 8<sup>th</sup> ESC meeting held in November 2013 at an estimated cost of ₹ 12730 Lakh. However, the cost estimation at that time was based on Schedule of Rates of 2012. The project was tendered and lowest bid received was about 60% higher than the estimated cost. Govt. of Bihar has now requested NMCG with the revision of cost with the new Schedule of Rates of 2016. During the discussion, TPA (IIT-Roorkee) mentioned that for the STP component, estimated cost @ ₹150 Lakh / MLD should be appropriate for this size of STP. Accordingly, the cost estimate for 60 MLD may be considered as ₹9000 Lakh. Further, the request of BUIDCO for pile foundation cost of ₹534 Lakh was allowed to be taken separately. Hence, ₹9534 Lakh was allowed as STP cost. EC approved the revised proposal for according administrative approval and expenditure sanction (AA&ES) for “Pahari Sewage Treatment Plant (60 MLD)” for Patna, Bihar for an estimated amount of ₹ 19162 Lakh (including 15 years O&M). It was also decided 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 STP works, O&M for 15 Years after commissioning will form part of the project scope and in subsequent years, State Govt./ ULB will ensure the O&M of STP as per the norms. The project has been considered to be funded under EAP Component (World Bank Funded) and NOC from World Bank for this project has been received. The State Govt. should ensure the availability of land in their possession before awarding the works.*

*In the Cabinet note for the Namami Gange Programme, it is mentioned that projects under component A i.e existing programme to continue under the approved mechanism for achieving better synergy between central and state governments for expediting the work on Ganga Rejuvenation. The Pahari STP project is an already appraised work under component A – World Bank funding, with DBOT mode of implementation. Currently, only the estimates have been revised. Hence the project will be executed following DBOT mode of implementation.*

**Agenda Item No.3: “Sewerage Scheme Pahari Zone – V, Pahari Network, Patna” under Namami Gange Programme**

- DPR - Appraised by: IIT-Roorkee
- Project Cost: ₹ 35636.71 Lakhs including O&M for 15 years
- Land: To be provided by State Government
- Project Components: Sewer Laying by Open excavation method – 108.691 Km, Sewer laying by Trenchless method – 7.239 Km, SPS with E&M works 02 Nos., House Connections – 62000 Nos., Relocation of Utilities, Rehabilitation and Repairing of network – 3 Km.

- Completion Time: 39 Months (including bidding)
- Financial Effect: 100% Central Sector (From World bank)
- Bidding Process: DBOT Mode

*After detailed discussion, Executive Committee (EC) noted that the earlier proposal was approved in 8<sup>th</sup> ESC meeting held in November 2013 at an estimated cost of ₹ 21431 Lakh. However, the cost estimation at that time was based on Schedule of Rates of 2012. The project was tendered and lowest bid received was about 60% higher than the estimated cost. Govt. of Bihar has now requested NMCG with the revision of cost with the new Schedule of Rates of 2016. EC approved the revised proposal for according administrative approval and expenditure sanction (AA&ES)*

*for “Sewerage Scheme Pahari Zone – V, Pahari Network, Patna ” for Patna, Bihar for an estimated amount of ₹ 35636.71 Lakh (including 15 years O&M). It was also decided 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 STP works, O&M for 15 Years after commissioning will form part of the project scope and in subsequent years, State Govt./ULB will ensure the O&M of sewerage network as per the norms. The project has been considered to be funded under EAP Component (World Bank Funded) and NOC from World Bank for this project has been received. The State Govt. should ensure the availability of land for SPS in their possession before awarding the works. The State Govt. also needs to ensure house connections to the sewer line/ network.*

*Since the present project only involves sewerage network, and does not involve any STP, , the project will be executed following DBOT mode instead of Hybrid annuity based PPP mode.*

**Agenda Item No.4: “Sewerage Scheme Pahari Zone – IVA-S, Pahari Network, Patna” under Namami Gange Programme**

- DPR - Appraised by: IIT-Roorkee
- Project Cost: ₹ 18485.70 Lakh including O&M for 15 years
- Land: To be provided by State Government
- Project Components: Sewer Laying by Open excavation method – 85.532 Km, Sewer laying by Trenchless method – 2.158 Km, SPS with E&M works 01 Nos., House Connections – 21300 Nos., Relocation of Utilities, Rehabilitation and Repairing of network – 1.03 Km.
- Completion Time: 36 Months (including bidding)
- Financial Effect: 100% Central Sector (From World bank)
- Bidding Process: DBOT Mode

*After detailed discussion, Executive Committee (EC) noted that the earlier proposal was approved in 8<sup>th</sup> ESC meeting held in November 2013 at an estimated cost of ₹ 133.64 Crore. However, the cost estimation at that time was based on Schedule of Rates of*

*2012. The project was tendered and lowest bid received was about 60% higher than the estimated cost. Govt. of Bihar has now requested NMCG with the revision of cost with the new Schedule of Rates of 2016. EC approved the revised proposal for according administrative approval and expenditure sanction (AA&ES)*

*for "Sewerage Scheme Pahari Zone – IVA-S, Pahari Network, Patna " for Patna, Bihar for an estimated amount of ₹ 18485.70 Lakh (including 15 years O&M). It was also decided 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 STP works, O&M for 15 Years after commissioning will form part of the project scope and in subsequent years, State Govt./ULB will ensure the O&M of sewerage network as per the norms. The project has been considered to be funded under EAP Component (World Bank Funded) and NOC from World Bank for this project has been received. The State Govt. should ensure the availability of land for SPS in their possession before awarding the works. The State Govt. also needs to ensure house connections to the sewer line/ network.*

*Since the present project only involves sewerage network, and does not involve any STP, , the project will be executed following DBOT mode instead of Hybrid annuity based PPP mode.*

**Agenda Item No.5: "Construction of 7 Nos. prioritized STPs, 1 No. SPS & Peripheral Sewers in Command area of Najafgarh Drain (Dhansa to Keshopur)" under Namami Gange Programme**

- DPR - Appraised by: IIT-Roorkee
- Project Cost: ₹ 34481 Lakh
- Land: To be provided by State Government
- Project Components: Construction of 7 STPs of total capacity – 94 MLD, Construction of 13.62 MLD SPS, Rising Mains – 3.5 Km, Peripheral Sewer line – 90 Km including sewer by Trenchless method of 164 m.
- Completion Time: 36 Months (including bidding)
- Financial Effect: 70% Central Sector & 30% State Sector (Delhi Jal Board)
- Bidding Process: DBOT Mode

*After detailed discussion, Executive Committee (EC) resolved to approve the proposal for according administrative approval and expenditure sanction (AA&ES) for STP works in Command are of Najafgarh Drain (Dhansa to Keshopur) in Delhi for an estimated amount of ₹ 34481 Lakh. 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 execution. The project has been considered to be funded under Non-EAP component, National Ganga Plan (NGP). The State Govt. should ensure the availability of land in their possession before awarding the works.*

*The project has been finalized under Maily Se Nirmal Yamuna Phase-I with direction of Hon'ble NGT. The hybrid annuity based PPP model has not been considered appropriate in consideration of the relatively smaller STPs and sewage conveyance system with direction of Hon'ble NGT.*

**Agenda Item No.6: Afforestation programme in the State of Uttrakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal.**

Annual Plan of Operation (APO) for afforestation has been prepared for year 2017-18 by forest department of Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal following the DPR prepared by FRI, Dehradun - "Forestry Intervention for Ganga". The PCCF of the participating states will be the nodal agency for the implementation of the project.

| <b>State</b>                             | <b>Area in ha.</b> | <b>Total amount in lakhs</b> |
|--|--------------------|------------------------------|
| Uttrakhand                               | 3848               | 1956.79                      |
| Uttar Pradesh                            | 784                | 913.21                       |
| Bihar                                    | 434                | 1888.46                      |
| Jharkhand                                | 222                | 543.83                       |
| West Bengal                              | 2758               | 848.01                       |
| <b>Total cost for one year (2017-18)</b> | <b>8046</b>        | <b>6150.32</b>               |

Project Duration: 1 year (May 2017- April 2018)

After detail discussion, Executive Committee (EC) approved the proposal for issuing administrative approval and expenditure sanction (AA&ES) to implement the Afforestation programme by the State of Uttrakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal, with an estimated cost of Rs. 6150.32 Lakhs.



**Annexure-I**

**3<sup>rd</sup> Executive Committee Meeting of NMCG – 11/05/2017**

| <b>Sr. No.</b> | <b>Name</b>                | <b>Designation</b>                  | <b>Organization</b>                                     |
|----------------|----------------------------|-------------------------------------|---|
| 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 Chaitanya Prasad      | Principal Secretary                 | Urban Development & Housing Department, Govt. of Bihar. |
| 8.             | Shri Javed Ahmad Ansari    | Tech. Adv.                          | UP, SPMG  |
| 9.             | Shri J.P. Mani             | Project Manager                     | Ganga Pollution Control Unit, UP Jal Nigam Allahabad.   |
| 10.            | Shri J.N. Singh            | GM (Tech.), BUIDCO                  | BUIDCO.   |
| 11.            | Shri Arbind Ku. Jha        | Assistant Director UD & HD, Bihar   | Urban Development, Bihar.                               |
| 12.            | Shri Rajeeb Kumar          | Dy. Project Director, BUIDCO        | BUIDCO, Patna.  |
| 13.            | Shri Vijay Kumar           | Dy. Project Director, BUIDCO, Patna | BUIDCO, Patna.  |
| 14.            | Shri Keshav Chandra        | CEO                                 | Delhi Jal Board   |

|     |                        |                 |   |
|-----|------------------------|-----------------|---|
| 15. | Shri R.S. Tyagi        | Member (WS)     | Delhi Jal Board   |
| 16. | Shri Vikram Singh      | CE (Dr) Proj-II | Delhi Jal Board   |
| 17. | Prof. Arun Kumar       | Professor       | Alternate Hydro Energy Centre, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand . |
| 18. | Shri Guru Charan Singh |                 | World Bank  |
| 19. | Mr. Jun Matsumoto      | TTL             | World Bank  |
| 20. | Shri Alok Suman        | Consultant      | World Bank  |
| 21. | Shri Rajesh            |                 | World Bank  |
| 22. | Ms. Shivani Pande      | Consultant      | World Bank  |

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