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: 9th March 2017

Sub: Minutes of 1st Executive Committee Meeting (EC) of NMCG held on 2nd March, 2017.

Please find enclosed the minutes of the 1st Executive Committee Meeting (EC) of NMCG held on 2nd March, 2017 at 03.30 PM in The conference Hall of NMCG, New Delhi for information and necessary action.

[Signature]
10.3.17
Rajiv Kishore
Executive Director (Administration)
Contact: 011-23049440

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, Dhorwa, 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, Bapu 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. Shri Keshav Chandra, CEO, Delhi Jal Board, Delhi.
10. Deputy Director General, National Mission for Clean Ganga
11. Executive Director (Administration), National Mission for Clean Ganga
12. Executive Director (Finance), National Mission for Clean Ganga
13. Executive Director (Projects), National Mission for Clean Ganga
14. 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, Dhusrwa, 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
6. Dr. Arun Kumar, Professor, IIT Roorkee - Haridwar Highway, Roorkee, Uttarakhand 247667.
7. M. D., BUlDCO, 303, Third Floor, Maurya Lok Complex, Maurya Tower, Budha Marg, New Dak Bunglow Rd, Patna, Bihar 80000.
Minutes of 1st meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 2nd March 2017 in NMCG Office, Delhi

1st meeting of Executive committee (EC) of National Mission for Clean Ganga was held on 2nd March 2017 in NMCG office. The list of the members of the EC and other officials who attended the meeting is at Annexure - I.

At the outset, Executive Director (Administration) welcomed DG, members of the Executive Committee and State representatives present to the 1st EC meeting.

Agenda Item No.1: Constitution of NMCG as an Authority & role of Executive Committee

With the permission of chair the 1st agenda item regarding apprising of the constitution of the Authority and the role of Executive Committee was discussed and taken as approved.

Agenda Item No.2: Delegation of administrative and financial powers in NMCG

ED (Finance) presented the item regarding delegation of Administrative & Financial Powers as per Circular No. F.18/2012-13/0163/Misc. dated 15/2/2017 and sought ratification of the delegation. The house ratified the proposal.

Agenda Item No.3 & 4

Agenda item no. 3 and 4 were proposed by DDG regarding launch of awareness campaign through Audio and Video media. The proposals were discussed and it was felt that they need to be further examined from the point of view of reaching out to be common masses and effectiveness of the campaign. The proposals, with modification, if any, be brought to the next meeting of EC.

Agenda Item No.5: Proposal of NYKS for Involvement of Youth in Namami Gange Programme

DDG sought post facto sanction for a scheme launched with Nehru Yuva Kendra Sangthan, for involving the youth in Namami Gange programme. It was informed that the projects had been approved for 29 District of Uttarakhand, UP, Bihar and West Bengal at the cost of Rs. 10 Crores for three years. Principal Secretary Jharkhand present in the meeting sought to know why Sahibganj district of Jharkhand was not included even though state of Jharkhand had been declared as a model state. DG informed that efforts were on to extend the scheme to all 66 Ganga Districts and Sahibganj in Jharkhand will also be taken up at the first opportunity.

ED Project proposed item nos. 6-13 for ratification of the EC committee. DG informed the house about the financial powers of the Executive Committee and the stages through which a project had to pass before reaching the Committee. Joint Adviser, NITI Ayog
suggested that guidelines should be made for DPR preparation and it was clarified that DPRs are being prepared as per laid down guidelines.

**Agenda Item No.6: I&D works in zone A, B, C, D & E contributing to STP Jagjeetpur in Haridwar in Uttarakhand state**

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 8514.09 Lakhs including 1 years O&M
- Land: to be provided by State Government
- Project Components: SPS with E&M Works–3 Nos, Rising Main-9300m, Gravity Sewer– 2000m, fencing work 2871m/2.55m high, Beautification of Ghats, 2 Nos bridge over UGC + 1 Nos bridge over Silt Ejector Channel, Rehabilitation work in Existing 19 SPS.
- Completion Time: 30 Months (Including bidding)
- Financing: 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 works in zone A,B,C,D&E contributing to STP at Jagjeetpur in Haridwar for an estimated amount of Rs 8514.09Lakhs (including 1 year O&M). It was also resolved that the observations of NMCG, TPA and World Bank would be part of the AA&ES order. Same should be compiled 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 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 receipt of the NOC from World Bank for this project, otherwise the funding will be from National Ganga Plan (NGP). The State Govt. should ensure the availability of land for pumping stations in their possession before awarding the works.

Since the present project only involves an I&D infrastructure and does not involve any STP, the project will be executed following DBOT mode instead of Hybrid annuity based PPP mode.

**Agenda Item No.7: I&D works in zone – F contributing to STP Sarai in Haridwar**

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 3146.19 Lakhs including 1 years O&M
- Land: to be provided by State Government
- Project Components: SPS with E&M Works – 1 Nos, Rising Main- 5800m, Fencing work 3884 m/ 2.55 m high, Beautification of Ghats, 1 Nos bridge over UGC, Rehabilitation work in Existing 2 SPS.
- Completion Time: 24 Months (Including bidding)
- Financing: 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 works in Zone –F contributing to STP at Saral in Haridwar for an estimated amount of Rs 3146.19 Lakhs (including 1 year O&M). It was also resolved that the observations of NMCG, TPA and World Bank would be part of the AA&ES order. Same should be compiled 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 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 receipt of the NOC from World Bank for this project, otherwise the funding will be from National Ganga Plan (NGP). The State Govt. should ensure the availability of land for pumping stations in their possession before awarding the works.

Since the present project only involves an I&D infrastructure and does not involve any STP, the project will be executed following DBOT mode instead of Hybrid annuity based PPP mode.

Agenda Item No. 8 : Construction of 68 MLD STP for Zone- A, B, C, D & E at Jagjeetpur, Haridwar in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 23032.18 Lacs including 15 years O&M
- Land: to be provided by State Government
- Project Components: 68 MLD STP at Jagjeetpur (Haridwar) with online monitoring system at both Inlet and Outlet, 15 Year post commissioning operation and maintenance work.
- Completion Time: 24 Months (including bidding)
- Financing: 100% Central Sector
- Bidding Process: Hybrid Annuity model.

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for construction of 68 MLD STP at Jagjeetpur for an estimated amount of Rs 23032.18 Lakhs (including 15 year O&M). It was also resolved that the observations of NMCG, TPA and World Bank would be part of the AA&ES order. Same should be compiled 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 for the 15 Year after commissioning will form part of the project scope. The project has been considered to be funded under EAP Component (World Bank Funded) subject to receipt of the NOC from World Bank for this project, otherwise the funding will be from National Ganga Plan (NGP).
Agenda Item No. 9: Construction of 14 MLD STP for Zone-F at Sarai Haridwar in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 4304.90 Lacs including 15 years O&M
- Land: to be provided by State Government
- Project Components: 14 MLD STP at Sarai (Haridwar) with online monitoring system at both Inlet and Outlet, 15 Year post commissioning operation and maintenance work.
- Completion Time: 24 Months (including bidding)
- Financing: 100% Central Sector
- Bidding Process: Hybrid Annuity model.

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for construction of 14 MLD STP at Sarai for an estimated amount of Rs 4304.90 Lakhs (including 15 year O&M). 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. O&M for the 15 Year after commissioning will form part of the project scope. The project has been considered to be funded under EAP Component (World Bank Funded) subject to receipt of the NOC from World Bank for this project, otherwise the funding will be from National Ganga Plan (NGP).

Agenda Item No. 10: Tertiary treatment of existing 27 MLD STP at Jagjeetpur in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 1459.67 Lacs including 15 years O&M
- Land: to be provided by State Government
- Project Components: Upgradation of existing 27 MLD STP with Tertiary Treatment at Jagjeetpur (Haridwar) with online monitoring system at both Inlet and Outlet, Rehabilitation work of existing Digester and Sludge drying bed, 15 Year post commissioning operation and maintenance work.
- Completion Time: 18 Months (including bidding)
- Financing: 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 Tertiary Treatment of existing 27 MLD STP at Jagjeetpur for an estimated amount of Rs 1459.67 Lakhs (including 15 year O&M). It was also resolved that the observations of NMCG, 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. O&M for the 15 Year after commissioning will form part of the project scope.

The project is only for 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 party 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. Therefore, the project will be executed following DBOT mode.

Agenda Item No. 11: Upgradation of existing 18 MLD STP at Sarai, Haridwar with 15 year O&M in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 963.08 Lakhs including 15 years O&M
- Land: to be provided by State Government
- Project Components: Upgradation of existing 18 MLD STP with Tertiary Treatment at Sarai (Haridwar) with online monitoring system at both Inlet and Outlet, 15 Year post commissioning operation and maintenance work.
- Completion Time: 18 Months (including bidding)
- Financing: 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 upgradation of existing 18 MLD STP with Tertiary treatment at Sarai, Haridwar for an estimated amount of Rs 963.08 Lakhs (including 15 year O&M). It was also resolved that the observations of NMCG, 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. O&M for the 15 Year after commissioning will form part of the project scope.

The project is only for 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 party 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. Therefore, the project will be executed following DBOT mode.

Agenda Item No. 12: Providing & Laying Rising/ Pumping Mains of 700-900 mm Dia. DI Pipes at various locations in Kondli WWTP Catchment Area" under JICA assisted Yamuna Action Plan Phase-III (Package ‘K4’)

- DPR - Appraised by: IIT-Delhi
- Project Cost: Rs 6632Lakhs.
Land: to be provided by State Government

Project Components: Replacement of Rising Mains-Mansarover SPS rising main of 3321m, Dilshad Garden SPS rising main of 2316m & Dilshad Garden SPS rising main of 2500m.

Completion Time: 29 Months

Financing: 85% Central Sector & 15% State Sector

Bidding Process: Bidding will be done by Delhi Jal Board (Implementing Agency).

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for an estimated amount of Rs 5913.08 Lakhs as EC viewed that Delhi Jal Board is the owner of the project and hence supervision charges should not be admissible. Similarly, Escalation charges (8%) for the project will also not be admissible as the project awarded cost will be shared between Central Govt. and DJB as per the approved cost sharing ratio i.e. 85:15. The O&M will be borne by the state government as per the agreement with JICA. It was also resolved that the observations of NMCG, TPA and JICAwould 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.

Since it is already an approved proposal as per the loan agreement with JICA under YAP-III component, the project will be executed following DBOT mode.

Agenda Item No. 13: Providing & Laying 1200 mm Dia. DI Rising/Pressure Main from Bharat Nagar Waste Water Pumping Station to Common Inlet Chamber at Pitampura by Replacing one dysfunctional pumping main out of twin Rising/Pumping Mains of 1100 mm Dia. under YAP (III)” – Package R1b

DPR - Appraised by: IIT-Delhi

Project Cost: Rs 5092Lakhs.

Land: to be provided by State Government

Project Components: Providing & Laying 1200 mm Dia. DI Rising/Pressure Main from Bharat Nagar Wastewater Pumping Station to Common Inlet Chamber at Pitampura by Replacing one dysfunctional pumping main out of twin Rising/Pumping Mains of 1100 mm Dia. The total length of pressure main proposed to be replaced is 6164 m.

Completion Time: 29 Months

Financing: 85% Central Sector & 15% State Sector

Bidding Process: Bidding will be done by Delhi Jal Board (Implementing Agency).

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for an estimated amount of Rs 4540.38 Lakhs. EC viewed that Delhi Jal Board is the owner of the project and hence supervision charges should not be admissible. Escalation charges for the project will not be admissible as the project awarded cost will be shared between Central
Govt. and DJB as per the approved cost sharing ratio i.e. 85:15. The O&M will be borne by the state government as per the agreement with JICA. It was also resolved that the observations of NMCG, TPA and JICAwould 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.

Since it is already an approved proposal as per the loan agreement with JICA under YAP-III component, the project will be executed following DBOT mode.

Agenda Item No. 14: Construction of new 564 MLD Okhla Sewage Treatment Plant (STP) with effluent standards of BOD 10 mg/l, TSS 10 mg/l or better Under YAP-III and demolition of existing Phase-I, II, III and IV STP in Delhi under JICA assisted Yamuna Action Plan Phase-III, as part of the National Mission for Clean Ganga (NMCG) - Package “Q”

- DPR Appraised by: IIT - Roorkee
- Project Cost: Rs 70680Lakhs&Operation and Maintenance (O&M) is responsibility of Delhi Jal Board/ State Government.
- Land: to be provided by State Government
- Project Components: Construction of new 564 MLD Okhla STP, Demolition of Okhla Phase-I STP of capacity 130 mld, Phase-II STP of capacity 55 mld, Phase-III STP of capacity 206 mld and Phase-IV STP of capacity 169 mld.
- Completion Time: 48 Months
- Financing: 85% Central Sector & 15% State Sector
- Bidding Process: Bidding will be done by Delhi Jal Board (Implementing Agency).

After detailed discussions Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for an estimated amount of Rs 66577.71 Lakhs. EC viewed that since Delhi Jal Board is the owner of the project and hence supervision charges should not be admissible. Escalation charges for the project will also not be admissible as the project awarded cost will be shared between Central Govt. and DJB as per the approved cost sharing ratio i.e. 85:15. The O&M will be borne by the state government as per the agreement with JICA. It was also resolved that the observations of NMCG, TPA and JICAwould 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.

Since it is already an approved proposal as per the loan agreement with JICA under YAP-III component, the project will be executed following DBOT mode.

Agenda Item No. 15: Upgradation of 3.5MLD STP at Tapovan, Rishikesh in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 219.12 Lacs including 15 years O&M
Land: to be provided by State Government
Project Components: Online monitoring system&Operation and Maintenance (O&M).
Completion Time: 09 Months (including bidding)
Financing: 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 3.5 MLD STP at Tapovan with online monitoring system and Operation and Maintenance at an estimated amount of Rs 219.12 Lakhs (including 15 years O&M) . It was also decided that the observations of NMCG, 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.

Since the proposal involves only online monitoring of the existing STP, the project will be executed following DBOT mode.

Agenda Item No. 16: Pollution Abatement Works for River Alaknanda at Joshimath (Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by IIT-Roorkee
- Project Cost: Rs 4842.80 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: Laying of Carrier Lines 250 mm dia. from Nala tapping-2500 m, Sewage Treatment Plant of 2.70 MLD & 1.08 MLD capacity.
- Completion Time: 24 Months (including bidding)
- Financing: 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 Joshimath at an estimated amount of Rs 4842.80 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 is (i) located in very remote location; (ii) STP capacities are very small (cumulative capacity is less than 4 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. 17: Pollution Abatement Works for River Alaknanda at Rudraprayag – (Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 1314.54 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: Construction of New Nala Tapping - 08 Nos & Construction of Pakaged Sewage Treatment Plant - 06 Nos (75KLD, 100KLD, 75KLD, 100KLD, 125KLD, 50KLD).
- Completion Time: 18 Months (including bidding)
- Financing: 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 Rudraprayag an estimated amount of Rs 1314.54 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 HFI, post 2013 floods needs to be considered during execution of works.

The project is (i) located in very remote location; (ii) STP capacities are very small (cumulative less than 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. 18: Pollution Abatement Works for River Alaknanda at Karanprayag (Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 1209.10 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: Interception & Diversion of drains - 7 Nos, Laying of Interceptor Lines 250 mm dia from Nala Tapping to STP-1225m & Construction of Pakaged Sewage Treatment Plant - 05 Nos (50KLD, 50KLD, 50KLD, 100KLD, 100KLD).
• Completion Time: 18 Months (including bidding)
• Financing: 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 Karanprayag an estimated amount of Rs 1209.10 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 is (i) located in very remote location; (ii) STP capacities are very small (cumulative less than 0.5 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. 19: Upgradation of existing 2 MLD STP at Uttarkashi (Gyansu) in Uttarakhand State

• DPR - Appraised by:IIT-Roorkee
• Project Cost: Rs 1003.00 Lakhs including O&M of 15 years for STP works.
• Land: to be provided by State Government
• Project Components: Anoxic Reactor, Alum Dosing System, Disc Filter & Online Monitoring system for STP
• Completion Time: 24 Months (including bidding)
• Financing: 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 Uttarkashi (Gyansu) including online monitoring and tertiary treatment an estimated amount of Rs 1003.00 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 upgradation 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 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. 20: Pollution Abatement Works for River Alakananda at Kirtinagar-
(Interception & Diversion with STP) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 423.46 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: Construction of New Nala Tapping - 02 Nos & Construction of
  Packaged Sewage Treatment Plant - 02 Nos (10KLD & 50KLD).
- Completion Time: 12 Months (including bidding)
- Financing: 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
Kirtinagar for an estimated amount of Rs 423.46 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 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. 21: Pollution Abatement Works for River Ganga at Rishikesh (Interception
and Diversion of Nalas (Rishikesh) & Construction of 26 mid STP at Lakkar Ghat with Tertiary
Treatment & online monitoring system) in Uttarakhand State

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 15800.78 Lacs including O&M of 1 year for I&D works and 15 years
  for STP works.
- Land: to be provided by State Government
Minutes of the 1st meeting of the Executive Committee (EC) of NMCG

- Project Components: Construction of 26 mld STP at Lakkar Ghat with Online Monitoring system, Construction of 04 nos. new SPS, Upgradation of 02 nos. existing SPS, Construction of Nala tapping at PWD Nala & Shanti Nagar Nala, Trunk (Carrier) Sewer line including replacement of old existing sewer line, I&D sewer line for Sarvahara Nagar & Bapu Gram & Construction of Treated effluent pipe line from STPs for reuse purpose.
- Completion Time: 24 Months (including bidding)
- Financing: 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 Rishikesh for an estimated amount of Rs 15800.78 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. The project has been considered to be funded under EAP Component (World Bank Funded) subjected to receipt of the NOC from World Bank for this project, otherwise the funding will be from Non-EAP, National Ganga Plan (NGP). The State Govt. should ensure the availability of land for pumping stations in their possession before awarding the works. 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 State Govt. should ensure the availability of land for pumping stations in their possession before awarding the works.

In this project (i) STP capacity is small; (ii) STPs in Rishikesh/Haridwar region are located in a scattered manner and hence chances of clubbing up with other projects is limited. 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. 22: Agenda Note “Sewerage Treatment Plant (STP) for ASSI-BHU Sewerage District at Ramana, Varanasi

- DPR - Appraised by IIT-Roorkee
- Project Cost: Rs 15095 Lakhs including 15 year O&M.
- Land: to be provided by State Government
- Project Components: Construction of 50 MLD STP at Ramana, Flood protection earthen embankment 4.5 m high around the STP & 5500 meter long 1100 mm diameter PSC pipe line for disposal of treated effluent, mechanical screen at Nagwa pumping station, Desilting of channel at Nagwa Pumping Station, Desilting of 300 m rising main, power connection.
- Completion Time: 24 Months (including bidding)
- Financing: 100% Central Sector.
- Bidding Process: Hybrid annuity based PPP model.

After detailed discussion, Executive Committee (EC) resolved to approve the proposal for ratification of according administrative approval and expenditure sanction (AA&ES) for 50 MLD STP at Ramanna for an estimated amount of Rs 15095 Lakhs (including 15 year O&M) to be taken up the proposal on Hybrid Annuity Model. It was also decided that the observations of NMCG and TPA and World Bank would be part of the AA&ES order. Same should be compiled by the State Government/Executing Agency at the time of finalization of Bid Document, at the time of execution and during O&M.

Agenda Item No. 23: Sewerage System and Related Schemes in Rajmahal Jharkhand comprising of 34.21 km of sewer network and 3.5 MLD STP, 3 IPS and 1 MPS etc.

- DPR - Appraised by: IIT-Kharagpur
- Project Cost: Rs 5835.63 Lakhs including 10 years O&M
- Land: to be provided by State Government
- Project Components: Sewer Network 34.21 km, STP capacity 3.5 MLD, 3 Intermediate Pumping Station and 1 Main Pumping Station, 10 new LCS units of 20 seater each and renovation of 9 existing LCS, Nala Restoration and purchasing of sewer cleaning machinery etc.
- Completion Time: 24 Months (including bidding)
- Financing: 100% Central Sector (from World Bank)
- Bidding Process: DBOT Mode

After detailed discussions Executive Committee (EC) approved the proposal for according administrative approval and expenditure sanction (AA&ES) for construction of sewerage network and STP at Rajmahal for an estimated amount of Rs 5835.63 Lakhs (including 10 year O&M). It was also decided that the observations of NMCG and TPA and World Bank would be part of the AA&ES order. Same should be compiled 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 for the 10 Year after commissioning will form part of the project scope. 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 are very small (cumulative less than 4 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. 24: Sewerage System and Related Schemes in Karmalichak sewerage zone, Patna Bihar comprising of 96 km of sewer network, 1 Pumping Station of 21 MLD etc.

- DPR - Appraised by: IIT-Roorkee
- Project Cost: Rs 27742.11Lakhs including 10 years O&M (Revised cost estimate)
- Land: to be provided by State Government
- Project Components: Sewer Network (by open Trench) -86.54 km, Sewer Network (by Trenchless Technology) -10km, Pumping Station-1 nos of 21 MLD capacity, Household connection-38167 nos. etc.
- Completion Time: 36 Months
- Financing: 100% Central Sector (from World Bank)
- Bidding Process: DBOT Mode

After detailed discussion, Executive Committee (EC) noted that the earlier proposal was approved in 9th ESC meeting held in February 2014 at an estimated cost of Rs. 170.71 Cr. However, the cost estimation at that time was based upon Schedule of Rates of 2012. The project was tendered but no bid was received. 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 laying of sewerage network in Karmalichak Zone, Patna for an estimated amount of Rs 27742.11 Lakhs (Including 10 year O&M). It was also decided that the observations of NMCG and 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. O&M for the 10 Year after commissioning will form part of the project scope.

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. 25: Operation and Maintenance Cost for already commissioned STP projects

This agenda was put up in the EC based upon the request of State Government (especially UK and UP) for the grant of operation & maintenance cost for old commissioned STP projects under GAP-I, GAP-II, NRCD 07/02/2011 which provided for central support towards capital cost of the projects, and the operation & management (O&M) cost of the project was the responsibility of the concerned State Government. It was stated that states are finding it difficult to bear O&M cost for these projects. The issue was discussed in detail. These projects were approved with states/ULBs undertaking the responsibility of Operation & Maintenance of these projects. At this stage, it would not be justifiable to provide O&M cost for those projects. Hence EC did not approve meeting of O&M for the earlier completed projects under GAP-I, GAP-II & NRCD which had no provision of funding O&M by the Central Govt.

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.

- A competition may be held for selecting Namami Gange Logo to attract participation of common people.

- 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.
# Attendance Sheet for the 1st Meeting of the Executive Council (EC) of NMCG

held on 2nd March, 2017 at 03.30 PM

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Designation</th>
<th>Organization</th>
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<tbody>
<tr>
<td>1.</td>
<td>Shri U.P. Singh</td>
<td>Director General</td>
<td>NMCG (In chair)</td>
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<tr>
<td>2.</td>
<td>Shri Avinash Mishra</td>
<td>Jt. Advisor</td>
<td>NITI Aayog</td>
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<td>4.</td>
<td>Dr. Raghav Langer</td>
<td>Project Director</td>
<td>Uttrakhand S.P.M.G</td>
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<td>5.</td>
<td>Shri Keshav Chandra</td>
<td>CEO</td>
<td>DJB, Delhi</td>
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<td>6.</td>
<td>Shri C.V. Dharma Rao</td>
<td>DDG</td>
<td>NMCG</td>
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<td>7.</td>
<td>Shri Rajiv Kishore</td>
<td>ED(Admin)</td>
<td>NMCG</td>
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<td>8.</td>
<td>Shri Hitesh Kr. S. Makwana</td>
<td>ED (Proj)</td>
<td>NMCG</td>
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<td>9.</td>
<td>Shri Rozy Agarwal</td>
<td>ED (Finance)</td>
<td>NMCG</td>
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<td>10.</td>
<td>Shri D.P. Mathuria</td>
<td>ED (Tech)</td>
<td>NMCG</td>
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<td>11.</td>
<td>Shri Bhajan Singh</td>
<td>MD</td>
<td>Uttrakhand Peyjal Nigam</td>
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<td>13.</td>
<td>Shri K.K. Rastogi</td>
<td>PM, Ganga</td>
<td>Peyjal Nigam, Rishikesh, Haridwar</td>
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<td>14.</td>
<td>Shri M. Hasan</td>
<td>PM, Ganga</td>
<td>Peyjal Nigam, Rishikesh, Haridwar</td>
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<td>15.</td>
<td>Shri R. K. Jain</td>
<td>PM, Ganga</td>
<td>Peyjal Nigam, Rishikesh, Haridwar</td>
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<td>16.</td>
<td>Shri Arbind Kr. Jha</td>
<td>Assistant Director</td>
<td>Urban Development and Housing Department, Bihar</td>
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<td>17.</td>
<td>Shri Amrendra Prasad Singh</td>
<td>M.D. BUIDCO</td>
<td>Bihar</td>
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<td>18.</td>
<td>Shri J.N. Singh</td>
<td>GM(T), BUIDCO</td>
<td>Bihar</td>
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<td>19.</td>
<td>Shri Vikram Singh</td>
<td>CE (Dr), Proj-II</td>
<td>Delhi Jal Board</td>
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<td>20</td>
<td>Shri A.A. Kagri</td>
<td>Professor</td>
<td>IIT, Roorkee</td>
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<td>21</td>
<td>Dr. Arun Kumar</td>
<td>Professor</td>
<td>IIT, Roorkee</td>
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<td>22</td>
<td>Shri Anil Choudhary</td>
<td>BE</td>
<td>DJB</td>
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<td>23</td>
<td>Mr. Jun Matsumoto</td>
<td>TTL</td>
<td>World Bank</td>
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<td>24</td>
<td>Shri Alok Suman</td>
<td>Consultant</td>
<td>World Bank</td>
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<td>25</td>
<td>Dr. Uday Kelkar</td>
<td>Director NJS, Proj. Manager, YAP-III</td>
<td>NJS/DJB</td>
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<td>26</td>
<td>Dr. Pravin Kuraar</td>
<td>Dir (T-III)</td>
<td>NMCG</td>
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<td>27</td>
<td>Shri Saumyasib Mukhopadhyay</td>
<td>Sr. Env. Specialist</td>
<td>NMCG</td>
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