

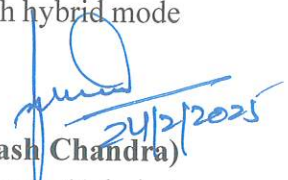
Mi/24/2020-HR NMCG  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources, River Development & Ganga Rejuvenation  
National Mission for Clean Ganga  
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1<sup>st</sup> Floor,  
Major Dhyan Chand National Stadium  
New Delhi-110001

Dated: 24<sup>th</sup> February 2025

**Sub: Minutes of 60<sup>th</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga**

Please find enclosed minutes of the 60<sup>th</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 10<sup>th</sup> February 2025 at 02:30 PM through hybrid mode for kind information and necessary action.

  
(Awinash Chandra)  
Deputy Secretary (Admin.)

To

1. Joint Secretary (PFC-I/PF-States), Department of Expenditure, Ministry of Finance, North Block, New Delhi-110001
2. JS & FA, DoWR, RD & GR, MoJS, Shram Shakti Bhawan, New Delhi-110001
3. Adviser (WR&LR), NITI Aayog, Yojana Bhawan, Sansad Marg, New Delhi - 110001
4. Secretary, Department of Drinking Water & Sanitation, Uttarakhand, 43/6, Mata Mandir Road, Dharmapur, Dehradun, Uttarkhand-248001.
5. Principal Secretary (UD), Urban Development Department (UDD), 834, Babu Bhawan, Lucknow- 226001.
6. Principal Secretary (UD & Housing), Urban Development and Housing Department (UDHD), Vikas Bhawan, Bailey Road, Patna, Bihar-800015.
7. Principal Secretary (UD), Urban Development Department (UDD), 4th Floor, Project Building, Dhurwa, Ranchi- 834004.
8. Principal Secretary (UD), Department of Municipal Affairs (DMA), Nagarayan, Sector-I, Block-DF-8, Bidhan Nagar, Kolkata-700064.
9. All Executive Directors/DDG of NMCG

Copy to: -

1. PS to Hon'ble Minister for Jal Shakti
2. PPS to Secretary (WR, RD & GR)
3. Project Director, SPMG Group, 105 (New No.545/941), Rajpur Road, Opp. RTO office, Dehradun 248001
4. Project Director, SMCG, Plot No. 18, Sector-7, Gomti Nagar, Lucknow- 226010
5. Project Director, SPMG Group (Secretary Urban Development), Government of Bihar, Vikash Bhawan, Bailey Road, Patna, Bihar – 800001
6. Project Director, SPMG Group Urban Development & Housing Department, Room no. 403, 4th Floor, Project Bhawan, Dhurwa, Ranchi, Jharkhand- 834004
7. Project Director, SPMG Group Unnayan Bhawan', 3rd Floor, DJ-11, Sector-II, Block-A, KMDA, Kolkata- 700091
8. PPS to DG, NMCG- for his kind information



**Minutes of 60<sup>th</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 10<sup>th</sup> February 2025 at NMCG Office, Delhi**

The 60<sup>th</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) was held on 10<sup>th</sup> February 2025 at 02:30 PM at NMCG office, Delhi through hybrid mode under the Chairmanship of Director General (DG), NMCG.

Executive Director (Admin.), NMCG welcomed the Director General, NMCG, members of the Executive Committee and other officials present in the meeting.

Thereafter, the agenda items were taken up for discussion.

**Agenda Item No. 60.1: Minutes of 59<sup>th</sup> meeting of the Executive Committee of NMCG held on 30<sup>th</sup> December 2024 for information**

The member-secretary informed the Executive Committee that the minutes of 59<sup>th</sup> meeting of the Executive Committee of NMCG held on 30<sup>th</sup> December 2024 were circulated to all the committee members on 16<sup>th</sup> January 2025. Further, a corrigendum order on *Agenda Item No. 59.4 "Variation proposal for I&D and STP project at Mirzapur under Mirzapur-Ghazipur HAM Project"*) was issued & circulated on 31<sup>st</sup> January 2025.

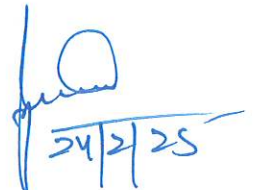
**Agenda Item No. 60.2: Action Taken Report on the decisions of the Executive Committee taken in 59<sup>th</sup> meeting held on 30<sup>th</sup> December 2024**

The member-secretary informed the Executive Committee that requisite action has been taken on the decisions taken in the 59<sup>th</sup> meeting of the EC held on 30<sup>th</sup> December 2024.

**Agenda Item No. 60.3: Interception & Diversion of drains/Nalas and STPs at Bhadohi Town, Uttar Pradesh for pollution abatement of river Varuna**

**A. Salient Features of the Proposal:**

- i. DPR Appraisal Agency:** Moti Lal Nehru Institute of Technology - Prayagraj;
- ii. Project Cost:** ₹127.26 crores including O&M for 15 years and GST (Land & power connections to be provided by State);
- iii. Land Acquisition Status for Infrastructure:** Government land has been identified for infrastructure creation and the same will be transferred to the Executing Agency post-sanctioning of the project;
- iv. Financial Effect:** 100% Central Sector;

  
24/2/25

**v. Project components:**

- a. Nala tapping of 4 drains namely Nai Bazar Nala, Dharuhera Drain, Rajpura Drain and Chauri Drain;
- b. Laying of 2,445 m I&D network (by gravity) that includes 50 m by trenchless method;
- c. Construction of 21 MLD Main Pumping Station (MPS) near Dharuhera drain;
- d. Construction of 6.2 MLD Sewage Pumping Station near Rajpur Drain and 3 MLD SPS near Chauri Drain;
- e. Laying of 100 m Rising Mains;
- f. Construction of 3 nos. of STPs (17 MLD, 5 MLD and 3 MLD);
- g. ESAMP, Communication & Public Outreach
- h. Operation & Maintenance of the infrastructure for 15 years

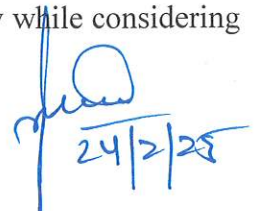
**vi. Timeframe:** Bidding to be completed within 4 months from the date of issue of AA&ES. Project construction to be completed in 18 Months from the issuance of LoA followed by 3 months for a trial run.

**vii. Bidding Process:** DBOT Mode.

**viii. Effluent Characteristics:** As per the prescribed norms of Hon'ble NGT vide order dated 30<sup>th</sup> April 2019 in OA No. 1069 of 2018.

**B. Discussions:**

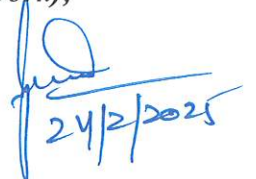
The proposal (salient features with detailed justification) was presented by the Joint Managing Director, Uttar Pradesh Jal Nigam, Rural of the executing agency. A clarification regarding the issue of mixing of the industrial waste from the carpet cluster in the flow of the drains carrying mainly domestic sewage was sought by the JS & FA and whether the cost of technology for treatment of mixed sewerage has been included in the proposal. It was clarified by the State Government representative that apart from the 4 drains proposed to be tapped in the instant proposal, there is another drain carrying industrial wastewater from the Bhadohi industrial area which is proposed to be addressed by the UPSIDC, Government of Uttar Pradesh through development of a common effluent treatment plant (CETP). However, certain industrial waste water also gets discharged into Chauri Drain (proposed to be tapped in the instant proposal). NMCG representative clarified that in view of contamination of the sewage in Chauri Drain by industrial waste, a tentative cost provision has been kept in the project capital cost towards pre-treatment requirements of the industrial waste. State will also be directed to include this aspect of industrial waste contamination in the tender document for submission of bids accordingly while considering this aspect.

  
24/2/25

**C. Decisions:**

*After detailed discussions, the Executive Committee (EC) decided to approve the proposal for according the Administrative Approval and Expenditure Sanction (AA&ES) for the project "Interception & Diversion of Drains/Nala and STPs at Bhadohi town, Uttar Pradesh" with O&M for 15 years under Namami Gange Program (NGP Non-EAP funding), to be implemented in DBOT mode, at an estimated cost of ₹127.26 crores including GST, subject to the following conditions:*

- i. The required identified land parcels for the project would be acquired/transferred to UPJN-R within 3 months from the date of AA&ES;*
- ii. Further, if the State is not able to provide land within 4 months from the date of issue of AA&ES, then the AA&ES for the project would be cancelled;*
- iii. The bids are to be invited on technology-neutral basis and the bidding would be completed within four months from the date of issue of AA&ES;*
- iv. The Letter of Award (LOA) would be issued only after transfer/acquisition of the required identified land parcels for the project;*
- v. Project construction to be completed in 18 Months from the issuance of LoA followed by 3 months for a trial run;*
- vi. The costs towards land acquisition, power connection, and any additional Centage for UPJN-R, are to be borne by the State Government;*
- vii. Any cost escalation due to change of the land, change in location, additional scope changes after the approval of the Executive Committee and due to any other factors that are attributable to State Government shall be borne by the State Government;*
- viii. The observations of NMCG, TPA would be complied with by the State Government/ Executing Agency prior to the finalization of the bid document/ at the time of execution and also during O&M period;*
- ix. Operation and Maintenance (O&M) will be reviewed after 7 years based on State Government's compliance with AA&ES conditions. O&M beyond project scope i.e. after completion of 15 years of stipulated period shall be the responsibility of State Government/Urban Local Body at their own cost.*
- x. State government shall explore utilization of treated wastewater from the project for irrigation, industrial purposes, etc. and suitably incorporate provisions in the bid document;*
- xi. Installation of trash arresting rack and its regular O&M at the mouth of all drains shall be made;*
- xii. Provision for 15 KLD co-treatment of septage/ Faecal sludge shall be provided in the STP facility and that will also be reflected in the bid document/ project proposal for implementation;*
- xiii. Provision for a sludge digester to be included in the bid document (scope of work);*

  
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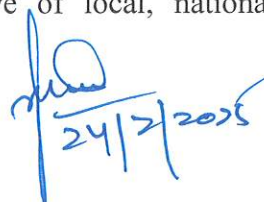
- xiv. *The State Government would explore generation of captive renewable power generation through solar, biogas, and other green methods, as well as explore the possibilities of developing other revenue streams to reduce the O&M cost by making suitable incorporations in the bid document;*
- xv. *State Government would ensure the compliance of treated water quality as well as other environmental norms (such as compliance with prescribed noise level etc.) in STP area shall be assessed upfront and suitably addressed during the design stage.*

**Agenda Item No. 60.4: Proposal on “Conserving and Sustainably Managing Nathmalpur Bhagad (Wetland) in Bhojpur District, Bihar” under Namami Gange Mission-II**

Shri S. Chandrasekhar, I.F.S., CCF-cum- State Nodal Officer, Environment & Climate Change, Government of Bihar, presented a brief introduction of the completed project, sanctioned under the Namami Gange Programme in December 2021 titled “*Conserving and sustainably managing Gangetic floodplain wetlands of Bihar*”. The output of the project comprised of inventorization a total of 124 wetlands in 12 districts of Bihar covering three sub basin along 10 km buffer on either bank of river Ganga in its floodplain ecosystem a) Ghaghar, Ghaghara Confluence to Gomti Confluence and Sone, b) Gandak and other rivers, and, c) Kosi, Bhagirathi and other rivers from Gomti Confluence to Muzaffarnagar. The inventory made helps in identification and prioritisation of wetlands based on the health card score for their further conservation and management for rejuvenating processes.

The proposed project is an outcome of the earlier sanctioned project, which falls under the worst health card score of ‘E’ category that requires immediate interventions. The project spans over five-year period and would be taken up in Phase I (2024-25 to 2025-26) and Phase II (2026-27 to 2028-29) following the current cycle of the Namami Gange Mission II. The total budgetary provision made was Rs. 4,22,38,200/-, of which Rs. 2,51,08,600 /- is proposed for phase I till 31st March 2026.

CCF, Climate change, further explained that the proposal submitted has a total catchment of about 870 ha, of which 39.5 ha is an active wetland -an Oxbow lake that falls under the ownership of Nathmalpur Panchayat, which exercises pre-existing rights for its resources include wetland produce, grazing, bathing domesticated animals, fishing etc. The proposal aims to establish effective management arrangements integrating biological diversity and ecosystem service values at site level and sub basin level that include institutional set up, wetland inventory, capacity development, communication and outreach, wetland delineation, hydrological connectivity, habitat protection, resources development etc. and developing Integrated Management Plan(IMP) for securing ecosystem services and biodiversity values inclusive of local, national and international polices and regulatory frameworks.

  
24/7/2025

It was observed by JS & FA that the proposal in its Ist year phase is heavily loaded on procurement (vehicles, boats, garbage bins, equipment etc.) and lacks deliverable outcomes. The proposal lacked short term outcomes and clarity between activities/interventions proposed and deliverables is required. The same view was supported by the ED (Finance) also.

## **DECISION:**

**After detailed discussions, the EC deferred the proposal and the CCF for reframing the proposal “Conserving and Sustainably Managing Nathmalpur Bhagad (wetland) in Bhojpur District, Bihar” under Namami Gange Mission – II to bring more clarity between activities/interventions proposed and deliverables.**

## **Agenda Item No. 60.5: “Revised Administrative Approval and Expenditure Sanction towards I&D and STP works at Raxaul town, Bihar”**

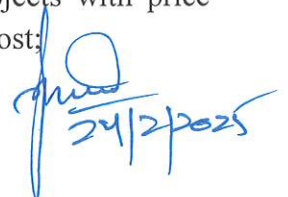
### **A. Background of the Proposal:**

A brief background for the proposal was provided by the concerned officials of the State Government supplemented with facts by the officials dealing State of Bihar in the National Mission for Clean Ganga. The revised AA&ES for ‘I&D and STP works in Raxaul town, Bihar’ was approved in the 50<sup>th</sup> Executive Committee meeting dated 31.07.2023 with a total cost of ₹ 63.17 crores (Capital cost- ₹ 22.56 crores, O&M cost-₹ 30.2 crores, other cost- ₹ 2.33 crores and GST cost- ₹ 8.08 crores) and the AA&ES was issued on 23.01.2024. The bid for the Raxaul I&D and STP scheme was received on 23.07.2024 and the value put to bid as Rs 60.80 crores including GST. In the bidding process, three bidders participated and two of the bidders were found technically eligible and their financial bids were considered. The L1 bidder has offered final price of ₹ 76.45 crores. The bid price is 25.74% higher than the value put to bid. The market discovered price of L1 bidder has been accepted by the state agencies (BUIDCo and SPMG) and the same has been recommended for consideration of the Executive Committee of the National Mission for Clean Ganga. Thus, additional cost approval for an amount of ₹15.61 crores is required to award the works and the corresponding revised AA&ES value would now be ₹ 78.78 crores.

The project is expected to be awarded in February 2025 and will be completed by August 2026(15 months’ construction period and 3 months of trial and run period). The main rationale/reasons provided for additional cost is on account of following:

### **1. Non-Availability of a Price Adjustment Clause in the Bid Document: -**

- a) As per the tender documents, price adjustment is not allowed. The annual cost increment for labor and materials is reasonable, as similar projects with price adjustment clauses have seen annual increases of 6% or more in cost:



- b) The price indices for the period have a cumulative increase of 16.12% from 2022-2024; and project will be complete by 2026, therefore, the bidder has to factor the anticipated price escalations till the project completion.

**2. Pump House and I&D Works: -**


- a) Change from item rate approach to lump sum to avoid future quantity variations. The L1 bidder quoted an additional cost of ₹ 5.02 crores (₹7.32 crores – ₹ 2.3 crores) compared to the estimated bid cost;
- b) The DPR cost was estimated based on an item-rate approach (material quantity of ₹ 2.3 crores), whereas the tender BOQ considered a lump-sum cost;
- c) Due to the site conditions related to the I&D structure and pipeline laying, the cost has increased. A per-MLD rate review of MPS confirms that the quoted cost is in line with prevailing market rates.

**3. O&M Cost and Power Charges: -**

- a) The L1 bidder quoted an additional cost of ₹ 6.94 crores (₹ 40.78 crores - ₹ 33.84 crores) compared to the estimated bid cost. The cost increases are mainly due to the Power Charges, which are passed over (reimbursable) to the contractor and thus the project O&M risk is minimum on this account;
- b) Based on per-MLD cost analysis, the bidder's quoted value appears to be without risk and power charges shall be payable based on actuals only which implies that there is no additional benefit to the concessionaire/ contractor.

**4. STP Works (5 MLD and 7 MLD): -**

- a) The L1 bidder quoted an additional cost of ₹ 3.74 crores (₹ 28.39 crores - ₹ 24.65 crores) compared to the estimated cost;
- b) The higher bid cost is attributed to the development of an access road, embankment construction, STP land development, and piling works, which were factored into the bidder's lump-sum cost as per site conditions.

  
24/2/2025



## **B. Discussion:**

A clarification was sought by the JS & FA on the reasons for high bid price and the justification and reasonability of L1 bid price from the executing agency. The Managing Director, BUIDCo provided following justifications in response to the query:

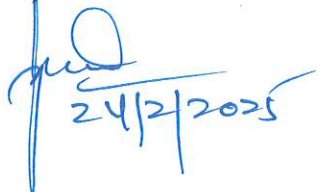
1. Raxaul town is on River Sirsiya which has moved to Priority II (as per the CPCB PRS 2022 report) from Priority III (CPCB PRS Report 2018), which is showing further deterioration of river water quality;
2. L1 bid value is justified on account of non-availability of Price adjustment in the bid document; as well as the pump houses and I&D works has been taken on lump sum basis instead of item rate components to avoid future quantity variations, thus the quoted cost of these works is higher compared to the assigned values of the AA&ES. Also, bidder has quoted higher O&M charges mainly in the Power Charges, which would be passed over (reimbursable) and thus project O&M risk is minimum;
3. STP locations are near the river and shall require embankment construction (flood protection works), STP land development, and piling works. The bidder has considered these ground realities and quoted price accordingly. The quoted STP cost would factor in cost of development of an access road, embankment construction land development, and piling works.

## **Decision:**

*After detailed discussions, Executive Committee (EC) decided to approve the proposal for according Revised Administrative Approval and Expenditure Sanction (AA&ES) for I&D and STP scheme at Raxaul, Bihar, at a revised cost of Rs 78.78 crores (including cost of O & M for 15 years) with 100% central support. O & M beyond project scope i.e. after 15 years shall be the responsibility of State Government/ ULB at its own cost.*

*Additionally, O&M provisions will be reviewed after 7 years on the basis of compliance of various General & Specific conditions of AA&ES by State Government/ SMCG including insurance of assets created, reuse of treated water, levy of user charges, sewage cess etc.*

*It was also decided that for projects under NGM-II, for any change in land location and associated cost increase, State Government would bear the additional cost. It was further decided that LoA would be issued immediately after issuance of EC minutes/Revised AA&ES and the project shall be completed by July'2026 (15 months for construction phase with 3 months for Trail and Run period and 6 months for bidding purpose already completed).*

  
24/2/2025

**Agenda Item No. 60.6: Revised AA&ES towards additional cost for Pollution Abatement Work for Rejuvenation of River Adi Ganga (Tolly Nullah), Kolkata, West Bengal under Namami Gange Program**

The proposal was not discussed as it had been withdrawn from the 60<sup>th</sup> EC meeting of NMCG.

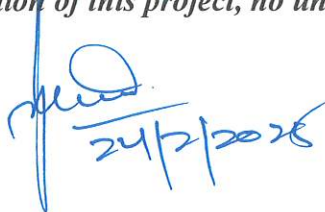
**Agenda Item No. 60.7: Revised AA&ES for North Barrackpre I&D and STP Project under HAM, West Bengal under Namami Gange Program**

The North Barrackpore I&D with STP project was approved in the 38<sup>th</sup> EC meeting dated 28<sup>th</sup> October 2021 amounting of ₹214.78 crores & AA&ES was issued on 2<sup>nd</sup> December 2021. The project comprises the development of 30 MLD STPs at Babanpur and 08 MLD STPs at Monirampur. The project was awarded to the concessionaire for an amount of ₹134.32 crores (excluding Centage & other statutory charges). The 08 MLD STP work is yet to start on account ROW issue on the private land to the proposed STP site. The work for 30 MLD STP at Babanpur has begun with the declared Effective Date - 5th October 2023 and 55% of physical progress has been achieved till date. However, the 30 MLD STP project scope (I&D Scope) at Babanpur requires minor realignment because of underground utilities and encroachment at the bank of Ichapur Khal. Accordingly, some of the items have been removed and new items added, leading to a revision in the cost of the project for the Babanpur facility from ₹ 96.53 crores (quoted price including 15 years O&M) to ₹ 102.72 crores.

The agenda was placed before the EC for consideration of the revised scope of work for the Babanpur facility and the revision of total project cost (including taxes and other statutory charges) from ₹ 214.78 crores to ₹ 154.27 crores.

**Decision:**

*After detailed discussions, the Executive Committee (EC) decided to approve the revised administrative approval and expenditure sanction (AA&ES) for the North Barrackpore I&D and STP Project under HAM at the revised cost of ₹ 154.27 crores including 15 years O&M period. SPMG confirmed that after implementation of this project, no untreated drains will fall in the river Ganga from the municipality, etc.*

A handwritten signature in blue ink, followed by the date '24/2/2023' written in blue ink.

**Agenda Item No. 60.8: Drone-based monitoring of plantations raised under Namami Gange in West Bengal, under the Namami Gange Mission-II**

Dr. Kasturi Chakraborty, Head, Forestry and Ecology Division (FED), North Eastern Space Applications Centre (NESAC), Umiam, Meghalaya made a presentation on the proposal on '**Drone-based monitoring of plantations raised under Namami Gange in West Bengal**' in the EC meeting. The proposal intends to monitor the plantations raised in West Bengal through drones and to develop a digital database by using drone technology by mapping the area under plantation for number of trees, canopy dimension including tree height, DBH, year of plantation, and tree spacing for monitoring the survival and success rate of plantation. The proposal has estimated a cost of Rs 45.65 lakh for a period of nine months for conducting activities such as plantation monitoring, data analysis and information on tree parameters for plantations carried out during 2017-18 to 2022-2023 in the State.

Further, the ED (Admin) mentioned that this is a pilot proposal and would be scaled up in all Ganga basin States based on the learnings gathered from the Project.

DG, NMCG mentioned that the Project involves a new approach for monitoring success of plantations raised under the Namami Gange programme. He suggested that NESAC should have consultations with Forest Survey of India on the methodology proposed under project. Clear norms for drone survey will be formulated in advance.

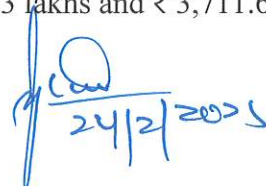
**Decision:**

**After detailed discussions, EC approved the project "Drone-based monitoring of plantations raised under Namami Gange in West Bengal" at a cost of Rs.45.65 lakh as a R&D Project. It was also suggested that NESAC would have consultations with Forest Survey of India on the methodology proposed under the project. A Steering Committee will be constituted with representations of stakeholders such as members of Civil Aviation, Survey of India etc.**

**Agenda Item No. 60.9: Rectification of Revised AA&ES cost for the "I&D and STP works, Muni-Ki-Reti & Dhalwala (Tehri. Garhwal)" in Uttarakhand State under Namami Gange Programme**

**A. Background of the Proposal:**

The project 'I&D with STP, Muni Ki Reti' that includes construction of 5.00 MLD STP Chorpani and 7.50 MLD STP Dhalwala in Uttarakhand was sanctioned in 2<sup>nd</sup> EC meeting held on 24.03.2017 amounting to ₹ 8,045.14 lakhs (Capital cost ₹ 4,333.53 lakhs and ₹ 3,711.61 lakhs for

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15 years O&M cost) under EAP component of the Namami Gange Programme. Uttarakhand PeyJal Nigam was the project executing agency and the contract was awarded to M/s R.K Engineers at a total cost of ₹ 6,701.52 lakhs (Capital cost ₹ 3,797.35 lakhs and ₹ 2904.17 lakhs for 15 years O&M cost) excluding the cost of ESAMP during the O&M period. The construction of the wastewater infrastructure was completed in December 2020 and presently the project is in operation and maintenance phase.

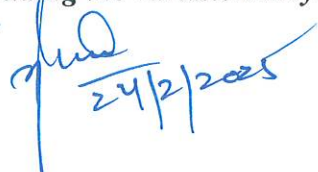
Due to limited availability of land at the site of STP, a change in the design involving provisioning of a multi-storied STP was incorporated during construction phase. These changes were based on the actual requirements for project execution at the site that has implications on both the phases, i.e., Capex and Opex. The contractor raised a claim on account of change in design and resulting quantity of the value of Rs.808.75 lakhs. However, SPMG, Uttarakhand has recommended the proposal of a value of Rs.148.99 lakhs (capex) with additional guaranteed power of 300.51 kWh/day having monetary value of Rs.150.00 lakhs as per the current electricity tariff but to be billed as per actual of 7.5 MLD STP. The State's recommended proposal has also been vetted by the Design Consultant of this project i.e. IIT Rorkee.

#### **B. Discussions:**

During the discussion in the meeting it was concluded that the revision in STP design without any change in capacity as solicited by the executing agency does not constitute a scope change and the cost implications are within the already approved amount. Therefore, it was concluded that the proposed revision of AA&ES does not require permission from the Executive Committee of NMCG. Further, the project is under EAP Head-World Bank funded where NGRBA framework empowers the State agencies to approve cost variation upto 15% of the project cost on approved items (NGRBA framework page no.184 clause no.25), "*During the administration of various contracts, under the approved DPR, the EA will be able to approve any contract variation in the order upto a cumulative ceiling of 5% of the value of the contract subject to prior concurrence of the SPMG. For any variation in the order upto a cumulative ceiling of above 5% but less than 15% will require additional concurrence and approval of the World Bank (for World Bank financed investments only) under intimation to NMCG*". The revised cost of the project has already been recommended by the State agencies and as the claims are within the ceiling permitted to the State, approval of EC is not required.

#### **C. Decision:**

***The EC noted that the reviewed cost of the project is within the AA&ES cost and there is no scope change (STP capacity remains the same), so the State is competent to approve the cost variation. The State must surrender the savings available (Rs. 566.26 lakhs) in the referred project and a revised sanction for project cost of Rs.7,478.88 lakhs including the variation may be issued.***

  
24/2/2025

**Agenda Item No. 60.10: Proposal on “Approval of maintenance work of the plantations done under the Namami Gange programme as per FIR DPR i.e. creation + 4-year maintenance”.**

The ED (Admin) NMCG, informed that the afforestation works have been taken up under Namami Gange programme through the State Forest Departments of the Ganga bank states as per the DPR prepared by FRI Dehradun. The DPR envisages site-specific afforestation models along the banks of river Ganga in the 5 States of Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal.

The main objective of the afforestation projects is to contribute towards clean Ganga, particularly Anant Van and Aviral Dhara besides maintenance of ecological and geological integrities of the Riverscape

So far 33,024 ha. plantation has been carried out under Namami Gange, for which an expenditure of Rs. 414.2 crore has been incurred by the State Forest Departments of Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal.

ED (Admin) mentioned that the creation and subsequent maintenance of the plantations raised were approved in a standalone manner as APOs instead of approving the creation along with the maintenance as a single proposal. Thus, though the DPR includes 4-year maintenance, this has been approved by the EC because of the practices of standalone year specific APOs.

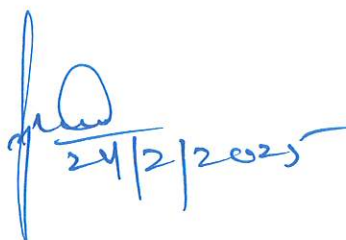
**Decision:**

**After detailed discussions, EC approved the proposal on the “Approval of maintenance work of the plantations done under the Namami Gange programme as per FRI DPR i.e. creation +4-year maintenance” with the condition that the estimated budget of subsequent maintenance of plantations of all five states would be mentioned in the AA&ES.**

**Agenda Item No. 60.11: Project proposal of "Ganga Through the Ages-A Literary Bioscope"**

1.

- i. Proposal appraised by: Indian Institute of Mass Communication, Delhi;
- ii. Project Cost: Rs. 5.4 crore plus GST;
- iii. Financial Effect: 100% Central Sector;
- iv. Project Components:
  - a) Ganga Mobile Parikrama
  - b) Ganga se Ganga Tak
  - c) Ganga Awareness Week
  - d) Chaupaal Ganga Kinare
  - e) Selfie with Ganga
  - f) Ganga Ambassador Program
- v. Project Period: 3 Years

  
24/2/2025

2. *Discussions:*

*During the discussions, the cost norms were explained by the NBT representative. However, it was felt that the deliverable need to be quantified and spelt out in greater details. It was decided that the NBT will submit KPIs, which will be incorporated in the Project Document after approval by the NMCG. It was also decided that an impact evaluation will be carried out after first year of the Project.*

3. *Decisions:*

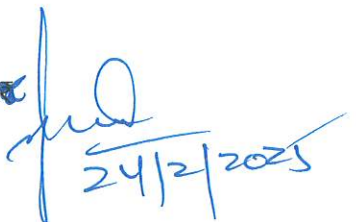
*After detailed discussions, the Executive Committee (EC) decided to approve "Ganga Through the Ages - A Literary Bioscope" under Namami Gange Programme for an initial period of one year at an estimated cost of Rs.1.8 Cr. extendable by two more years after submission and inclusion of KPIs as part of project document and subject to satisfactory review of the deliverables of the Project. The subsequent year's activities and programmes after the first year will be taken up with the specific approval of EC.*

4. *It was also decided that the general observations of NMCG and TPA would be complied with by the NBT at the time of execution.*

**Agenda Item No. 60.12: "Interception and Diversion (I&D) and 60 MLD Sewage Treatment Plant (STP) works for Durga Drain, Varanasi, UP"**

**A. Salient Features of the Proposal:**

- i. **DPR Appraisal Agency:** IIT Roorkee;
- ii. **Project Cost:** ₹274.31 crores including 15-year O&M and GST (Land & power connections to be provided by State);
- iii. **Land Acquisition Status for Infrastructure:** Government land has been identified for infrastructure creation and the same will be transferred to the Executing Agency post-sanctioning of the project within three months;
- iv. **Financial Effect:** 100% Central Sector;
- v. **Project components:**
  - a. Interception and diversion of the Durga Drain;
  - b. Construction of Main Pumping Station of civil capacity 75 MLD with pumping capacity of 60 MLD;
  - c. Construction of 60 MLD STP;
  - d. Rising Main – 120 m (From MPS to STP);
  - e. Construction of 100 mts treated effluent line;
  - f. ESAMP, Communication & Public Outreach;
  - g. Operation & Maintenance of the infrastructure for 15 years

  
24/2/2025

- vi. **Timeframe:** Bidding to be completed within 4 months from the date of issue of AA&ES. Project construction to be completed in 21 Months from the issuance of the effective date followed by 3 months for a trial run;
- vii. **Bidding Process:** Hybrid Annuity Based PPP Model (HAM);
- viii. **Effluent Characteristics:** As per the prescribed norms of Hon'ble NGT vide order dated 30<sup>th</sup> April 2019 in OA No. 1069 of 2018.

#### **B. Discussions:**

The issue of design capacity vis-à-vis current flow in the Durga drain is 37 MLD and STP capacity of 60 MLD for the mid-year (2042) was clarified by the representative from the State Government and the clarification State Government are

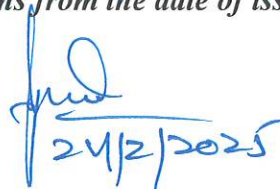
- (i) Expected high growth in population in the Sewerage District IV / Durga drain catchment from 2,28,993 (Year 2021) to 4,12,786 (Year 2042) that includes population of newly added villages & 6% floating population;
- (ii) Water supply requirement is calculated based on consumption of @ 150 lpcd;
- (iii) 20% un-accounted water losses; and 80% sewage generation factor.

The State representative also confirmed that the proposed 60 MLD STP capacity will be adequate to cater to the requirements up to the year 2042. It was also clarified that a Drone survey has also been carried by the State to identify other untapped drains discharging into river Varuna. The sewage flow & characteristics assessment of the untapped drains is currently underway and a comprehensive action plan for the pollution abatement of river Varuna, including interceptor sewer repair and new STP requirement at Dinapur shall be finalized and submitted in due course. The Executive Committee was also apprised by the State representative that district administration is in the process of procurement of 4-hectare dedicated land (private land) at the identified location for the development of the STP and its future expansions.

#### **C. Decisions:**

*After detailed discussions, the Executive Committee decided to approve the proposal for according the Administrative Approval & Expenditure Sanction (AA&ES) for the project "Interception & Diversion and 60 MLD STP works for Durga Drain, Varanasi, UP" at an estimated cost of ₹274.31 crores including 15-year O&M cost and GST under Namami Gange Program (NGP Non-EAP funding), on Hybrid Annuity-based PPP mode, subject to following conditions:*

- i. *The required identified land parcels for the project would be acquired/transferred to UPJN-R within 3 months from the AA&ES;*
- ii. *Further, if the State is not able to provide land within 4 months from the date of issue of AA&ES, then the AA&ES for the project would be cancelled;*

  
24/2/2025

- iii. *The bids are to be invited on technology-neutral basis and the bidding would be completed within six months from the date of issue of AA&ES;*
- iv. *The Letter of Award (LOA) to be issued only after transfer/acquisition of the required identified land parcels for the project;*
- v. *Project construction to be completed in 21 Months from the issuance of effective date followed by 3 months for a trial run;*
- vi. *The costs towards land acquisition, power connection, and any additional Centage for UPJN-R, would be borne by the State Government;*
- vii. *Any cost escalation due to change of the land, change in location, additional scope changes after the approval of the Executive Committee and due to any other factors that are attributable to State Government shall be borne by the State Government;*
- viii. *The observations of NMCG, TPA would be complied with by the State Government/ Executing Agency prior to the finalization of the bid document/ at the time of execution and also during O&M period;*
- ix. *Operation and Maintenance(O&M) beyond project scope i.e. after completion of the 15 years of stipulated period shall be the responsibility of State Government/ Urban Local Body at their own cost;*
- x. *State government shall explore utilization of treated wastewater from the project for irrigation, industrial purposes, etc. and suitably incorporate provisions in the bid document;*
- xi. *Installation of trash arresting rack and its regular O&M at the mouth of all drains shall be made;*
- xii. *Provision for 50 KLD co-treatment of septage/ Faecal sludge shall be provided in the STP facility and that will also be reflected in the bid document/ project proposal for implementation;*
- xiii. *Provision for a sludge digester to be included in the bid document (scope of work);*
- xiv. *The State Government would explore generation of captive renewable power generation through solar, biogas, and other green methods, as well as explore the possibilities of developing other revenue streams to reduce the O&M cost by making suitable incorporations in the bid document;*
- xv. *State Government would ensure the compliance of treated water quality as well as other environmental norms (such as compliance with prescribed noise level etc.) in STP area shall be assessed upfront and suitably addressed during the design stage.*

The meeting ended with vote of thanks to the Chair.



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