


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  
\*\*\*\*\*

1<sup>st</sup> Floor,  
Major Dhyan Chand National Stadium  
New Delhi-110001

Dated: 1<sup>st</sup> November 2023

**Sub: Minutes of 51<sup>st</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga**

Please find enclosed minutes of the 51<sup>st</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 12<sup>th</sup> October 2023 at 11:00 AM through hybrid mode for kind information and necessary action.

  
01/11/2023  
(Kanchan Bala Hamza)  
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. Shri Avinash Mishra, 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, Bapu 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 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, SPMG, 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 the 51<sup>st</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) held on 12<sup>th</sup> October 2023 through hybrid mode**

The 51<sup>st</sup> meeting of the Executive Committee (EC) of National Mission for Clean Ganga (NMCG) was held on 12<sup>th</sup> October 2023 at 11:00 AM 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 discussions.

**Agenda Item No. 51.1: Extension of Functional Establishment of 137 Composite Ecological Task Force-CETF, BN (Territorial Army), 39 Gorkha Rifles (Ganga Task Force-GTF) for carrying out rejuvenation of river Ganga and raising & deployment of one additional Company under existing 137 CETF BN (TA) for rejuvenation of river Gomti.**

Brigadier, 137 CETF Bn TA & Commanding Officer (CO)-GTF presented the proposal titled 'Extension of Functional Establishment of 137 Composite Ecological Task Force-CETF, BN (Territorial Army), 39 Gorkha Rifles (Ganga Task Force-GTF) for carrying out rejuvenation of river Ganga and raising & deployment of one additional Company under the existing 137 CETF BN (TA) for protection & rejuvenation of river Gomti' at a total cost of Rs.134.86 Cr. for a duration of 2 years and 3 months (27 months) from 1st January 2024 to 31st March 2026. The cost for the extension of the existing GTF is Rs. 107.7 Cr. and for raising & deployment of one additional company under the existing GTF for river Gomti is Rs. 27.12 Cr..

CO-GTF, apprised the committee about the achievements of Phase-I initiatives taken up by GTF during the last five years since its establishment in 2018 through the project 'Raising of one Composite Ecological Task Force (CETF) Battalion Territorial Army for the National Mission for Clean Ganga'. The total strength of GTF is 532, of which 9 are officer rank, 29 are JCO rank, and 494 are other ranks. The project phase I was sanctioned at a total cost of Rs. 167.00 crores, out of which till date, Rs. 135.03 crore has been released/reimbursed by NMCG towards the quarterly expenditure bills & project fund expenditure up to 31st March 2023, and the remaining balance of Rs. 31.97 crore is available for expenditure for the remaining 3 quarter time period till 31st December 2023.

Activities/tasks include afforestation to check soil erosion (plantation of about 20,22,620 number of Vetiver slips), public awareness/participation campaigns (a total of 435 public awareness programs for the local population, school children/students, NCC cadets etc.), patrolling of sensitive river areas of river Ganga as well in Yamuna for biodiversity protection, patrolling of rivers & ghats (420 boat patrols & 1932-foot patrols), monitoring of river pollution, assistance during floods/natural calamities in the region. The regular patrolling also helped in the decline of illegal poaching of aquatic animals along the area of river Ganga under surveillance. He explained about the importance of Vetiver species which is able to multiply tenfold in a year and has rapid growth. It also contributes to the livelihood of locals and, to some extent, as fodder for livestock.

*Dh*  
01/11/2023

On the pollution related data generated by GTF and its use at NMCG, ED (Technical), NMCG clarified that the CPCB and NMCG points are well marked as per the location of inflow of wastewater and outfall of treated water along the river. However, GTF's location is mostly based on their task influence zone. Further, GTF also apprised that the two lakes in Varanasi and Prayagraj have also been restored and handed over to the local administration, which needs regular monitoring by the administration.

During the presentation, it was mentioned that the Phase-II proposal has two broad components: one is the extension of the existing establishment of 137 CETF, Bn (GTF) and the second one is expansion through raising & deployment of one additional company under existing GTF for protection & rejuvenation of river Gomti in Uttar Pradesh.

The objectives of the proposal include afforestation work to check soil erosion, patrolling of sensitive river areas for biodiversity protection, patrolling along river banks and Ghats by boats and on foot, monitoring of river pollution, management of public awareness/participation campaigns, and assisting during floods/natural calamity in the region. He informed that during Phase II, the priority will be given to the plantation of Vetiver slips in the 97 identified erosion-prone sites along the Ganga in the stretch between Kanpur, Allahabad, and Varanasi. ED (Technical) informed that further help may be taken from the flood control division of CWC, which may have some mechanism in river Ganga.

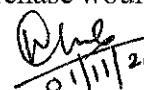
DG, NMCG raised concerns about the purchase of boats or hiring them as per the requirement. GTF clarified that both options will be explored following the cost-benefit ratio and lifespan, and it will be submitted for financial concurrence and approvals of NMCG.

ED (Finance), NMCG mentioned that as per the instructions of the Department of Expenditure, before extension of on-going project is sanctioned, an independent assessment of the ongoing project needs to be undertaken. The purpose is to incorporate the learnings & shortfalls of the ongoing project in the next phase. JS & FA, MoJS agreed with the ED (Finance) and suggested to undertake the independent assessment of the Phase-I project before 31st December 2023.

DG, NMCG stated that the NMCG procedure needs to be followed before initiating the next phase without delaying the sanction of the Phase-II project. He suggested that WII or WWF may be approached for the independent assessment of the phase-I project. CO-GTF agreed to the same.

JS & FA, MoJS, and ED (Finance), NMCG sought clarifications on the escalation of the estimated budget in Phase II as compared to Phase I. Brigadier, 137 CETF Bn TA & CO-GTF mentioned that the budget is as per the norms of Ministry of Defence and the proposal is submitted to NMCG after the approval from Ministry of Defence.

Further, it was suggested by them that the hiring of vehicles for the proposed additional company for the Gomti River, instead of purchase, may be explored, as the life of these assets is longer than the project duration. Brigadier, CETF stated that cost of hiring may be higher than cost of purchase. It was decided that a statement comparing the estimated cost of hiring and purchase would be made available by the CETF.

  
01/11/2023

**Decision:**

After detailed discussions, EC approved the Phase II project at a total sanctioned cost of Rs 134.86 Cr. (Rs. 107.7 Cr. for the extension of the existing GTF + Rs. 27.16 Cr. for raising & deployment of one additional company under the existing GTF for river Gomti) with project completion till 31st March 2026 under Namami Gange Mission-II, with the condition that an independent evaluation of the Phase-I project would be undertaken before 31st December 2023 and the findings placed in the EC.

**Agenda Item No. 51.2: Pollution Abatement Sewerage Project (Interception and Diversion with STP) at Krishnanagar Municipal Town in West Bengal**

- DPR appraised by Jamia Milia Islamia University
- Pollution Abatement of River Jalangi, tributary of river Ganga
- Project Cost: Rs 92.83 Crores including 15 years O&M with GST @18%.
  - ❖ Financial Effect: Central Share as 100% of project cost
  - ❖ Design Build Operate Transfer (DBOT) basis
  - ❖ Completion period – 24 Months (3 months bidding+ 18 months' construction+ 3 months' trial run)
- **Major components: -**
  - ❖ STP – 13.8 MLD with co-treatment of 18.52 KLD septage and allied works.
  - ❖ Lifting Stations – 3 nos.
  - ❖ MPS- 1 no.
  - ❖ EPS-1 no.
  - ❖ Nala tapings- 7 no.
  - ❖ Rising main- 2475 m
  - ❖ Gravity main- 2650 m
  - ❖ I&D network – 140 m
  - ❖ Effluent disposal line- 475 m
  - ❖ Cesspool vehicle 200 Ltr capacity – 3nos.
  - ❖ Laying of pipe line HDD method – 1075 m
  - ❖ Operation & Maintenance for 15 years

Project was placed for consideration in 51<sup>th</sup> EC meeting.

*After detailed discussions, Executive Committee (EC) decided to approve the proposal for according administrative approval and expenditure sanction (AA&ES) towards Interception & Diversion of Drains and Sewage Treatment Works (14 MLD STP with co-treatment 18.52 KLD) at Krishnanagar, West Bengal Namami Gange Program for revised estimated amount of Rs 91.94 Crores (including cost of O & M for 15 years) under DBOT mode (excluding cesspool vehicles). Utility shifting charges Rs. 171.34 Lacs, power connection charges and procurement of 3 nos. cesspool vehicles would be borne by the State Government.*

*D. H. S.*  
01/11/2023

*It was also decided that the observations of NMCG and TPA would be complied with 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 National Ganga Plan (NGP)-Component Non-EAP Component of Namami Gange Program. The State Government would ensure the availability of land in their possession before awarding the works. State needs to submit a revised DPR, before bidding, incorporating Third Party Agency's recommendations. NMCG logo and name to be inscribed at strategic locations, if applicable.*

*Executing Agency shall obtain NMCG approval before making any changes in the sanctioned scope.*

*Executing agency/SPMG must complete the work within stipulated time. EC also directed to Executing agency/SPMG that the tender works would be awarded within three months from the date of issue of AA&ES.*

*SPMG confirmed that after implementation of this project, no untreated drains will fall in the river Jalangi from the considered zone in Krishnanagar etc.*

*In addition, EC decided that installation of trash arresting rack and its regular O&M at the mouth of all drains and adequate provision for handling septage in the STP facility would also be made part of project proposal for implementation.*

*EC desired that State Government should pari-pasu implement the project for reuse of treated wastewater for agriculture & industrial purpose. For this purpose, State government would adopt a policy document and endeavor & implement scheme for reuse treated wastewater accordingly.*

*Any cost escalation over and above the sanctioned cost attributable to State Government, including due to delay in land acquisition, change in scope post approval etc., will be borne by State Government concerned.*

*While the costs include estimated O&M costs for 15 years, the O&M arrangements will be reviewed after 7 years based on the measures of compliance by state government/UD&HD of various general & specific conditions stipulated in AA&ES including insurance of assets created, levy of user charges etc.*

**Agenda Item No. 51.3: DPR for integrated Septage treatment plant for Bansberia municipality, West Bengal, Under Namami Gange Program.**

- DPR appraised by Jamia Milia Islamia University
- Pollution Abatement of River Ganga
- Project Cost: Rs 7.09 Crores including 5 years O&M with GST @18%.
  - ❖ Financial Effect: Central Share as 100% of project cost
  - ❖ Design Build Operate Transfer (DBOT) basis
  - ❖ Completion period – 18 Months (3 months bidding+ 12 months' construction+ 3 months' trial run)
- Major components: -

*W. H. S.*  
*01/11/2023*

- ❖ FSTP 15 KLD capacity
- ❖ Operation & Maintenance for 5 years

Project was placed for consideration in 51<sup>th</sup> EC meeting.

*After detailed discussions, the Executive Committee (EC) decided to approve the proposal for according administrative approval and expenditure sanction (AA&ES) for DPR for construction of 15 KLD Integrated Septage Treatment Plant at Bansberia Municipality, in West-Bengal under Namami Gange Program for an estimated amount of Rs 4.85 Crores (including cost of O & M for 1 year) under DBOT mode. The remaining 04 years of the O&M will be borne by the state government*

*It was also decided that the observations of NMCG and TPA would be complied with 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 National Ganga Plan (NGP)-Component Non-EAP Component of Namami Gange Program. The State Government must ensure the availability of land (including access to the land) in its possession before awarding the works. State needs to submit a revised DPR, before bidding, incorporating Third Party Agency's recommendations, if applicable. NMCG logo and name to be inscribed at strategic locations.*

*Executing Agency shall obtain NMCG approval before making any changes in the sanctioned scope.*

*Any cost escalation over and above the sanctioned cost attributable to State Government, including due to delay in land acquisition, change in scope post approval etc., will be borne by State Government concerned.*

**Agenda Item No. 51.4: Development of Ganga Vatika Park, Dhalwala, Uttarakhand under Namami Gange Programme**

- DPR prepared by: Nagar Palika Parishad - Muni Ki Reti.
- DPR appraised by IIT Roorkee, Uttarakhand
- Project Cost: Rs 0.86 Crores including 06 months O&M with GST @18%.
- Major components: -
  - Gates
  - 3D Murals
  - Gazebos
  - Water Fountain
  - External lighting
  - Stainless Steel railing
  - Stainless steel garden benches
  - 06 Months Operation & Maintenance period
- Financial Effect: Central Share as 100% of project cost i.e. Rs. 0.86 Crores

*Handwritten signature and date: 01/11/2023*

- Project Status: DBOT
- Completion period – 9 Months

During site visit of NMCG & SPMG UK, it was observed that approximate 300 X 40 feet land is lying vacant between Astha Path and Ashram. The site is adjoining main Ganga Astha Path and thus have very high ecological and economic value. It was apprehended that illegal encroachment or any solid waste dumping may happen at this site in future which may cause ugly view and/or pollution in river Ganga. The issue was discussed in District Ganga Committee (DGC) – Tehri Garhwal and it was agreed to develop vacant land as Namami Gange Vatika. NMCG requested the DGC- Tehri Garhwal for preparing proposal for development of Namami Gange Vatika. Accordingly, a proposal has been received from Nagar Palika Parishad – Muni Ki Reti. IIT-Roorkee, TPA agency has appraised the proposal technically, financially and recommended the cost of Rs. 0.86 crore including 06 months O&M with GST @18%.

The proposal was placed before Executive Committee (EC) for according the approval to proposed “Development of Ganga Vatika Park, Dhalwala, Uttarakhand” adjoining the Astha Path Muni-ki-Retil at an estimated cost of Rs. 0.86 crore including 06 months O&M with GST @18%. The project shall abate the pollution in river Ganga.

*After detailed discussions, the Executive Committee (EC) decided to approve the proposal for according Administrative Approval and Expenditure Sanction (AA&ES) for “Development of Ganga Vatika Park, Dhalwala, Uttarakhand” under Namami Gange Program for an estimated amount of Rs. 0.86 Crores including 6 months O&M considering GST @ 18%. The proposed Vatika was resolved to be named as “Namami Gange Vatika”.*

*It was also decided that the observations of NMCG and TPA would be complied with by the State Government/ Executing Agency i.e. Nagar Palika Parishad- Muni Ki Reti at all stages of finalization of bid document, execution and O&M. The cost towards 6 months’ post - commissioning O&M has been included in the project scope. It was also discussed that the developed Namami Gange Vatika may be adopted by some NGO/ religious organizations etc. for O&M after 06 months post commissioning. It was told that Mata Amritanandamayi Math has shown interest in O&M for the Vatika. O&M beyond 06 months shall be done by Mata Amritanandamayi Math, subjected to meeting the terms & conditions mutually agreed/ duly signed by NMCG for Ghat Adoption. The project has been considered to be funded under Clean Ganga Fund (CGF) of Namami Gange Program.*

*Cost overrun attributable to State Government will be borne by the State Government concerned. Executing agency/SPMG -UK must complete the work within stipulated time. EC also directed the Executing agency/SPMG-UK to award the tender works within three months from the date of issue of AA&ES.*

**Agenda Item No. 50.2: Revised Administrative Approval & Expenditure Sanction for PMC Services with time extension of PMC consultancy services under JICA assisted Yamuna Action Plan (YAP) Phase III project at Delhi (ID-P215)**

*01/11/2023*



Salient Points of Approval accorded:

1. AA&ES cost revised from Rs 37,61,74,372/- to Rs 52,51,68,228/-
2. GoI share revised from Rs 31.97 Cr to Rs 39.51 Cr (Refer Option-II Table below)
3. State Share revised from Rs 5.64 Cr to Rs 13.01 Cr + All Applicable Service Tax/GST Liability (Refer option-II table below)
4. Man Months: Revised from 76 to 154
5. Extension of Time: Granted upto 31.01.2025 with manpower deployment to be retained in a tapered manner with PO-PR & NMCG deployed Staff to be retained upto 31.01.2025 (In-Principle Approval already granted by NMCG on 05.04.23) with revision of man-months from 76 to 154.

The instant proposal was earlier placed before the 50<sup>th</sup> EC Meeting held on 31<sup>st</sup> August 2023, but it was deferred for consideration in next EC Meeting. Accordingly, the proposal was placed before the 51<sup>st</sup> EC Meeting on. The consolidated initial approval (CCEA Approval) for the JICA assisted Yamuna Action Plan (YAP) Phase III was granted by Govt. of India on 01.12.2011, at an estimated cost of Rs. 1656 Crore for the abatement of pollution of River Yamuna. The project was a central sponsored scheme at 85:15 (Center: State) cost sharing pattern. The instant PMC Component was one of the project of this CCEA approval with cost component of Rs.46.4832 Cr.

M/s NJS Consultants Co. Ltd. was then appointed by DJB as Project Management Consultant (PMC) of JICA assisted YAP III on 31.01.2012 for a cost of Rs 34,19,76,702/- with time period of 76 Months. Subsequently, the AA&ES of the subject component of Project Management Consultancy (PMC) services under JICA assisted Yamuna Action Plan (YAP) Phase III was accorded by NRCD vide its No. M-12011/1/2012-NRCD-II dated 23.09.2013, for an amount of Rs. 37,61,74,372/-, on 85:15 cost sharing basis between Central (Rs. 31,97,48,216/-) and State Government of Delhi (5,64,26,156/-).

The ongoing Public Outreach (Pkg PR-PO) (another YAP-III component) is also in force upto January 2025 & requirement of PMC services will continue even beyond completion of YAP III projects. Also, JICA YAP III Loan Agreement No ID-P215 between Govt. of Japan and Govt. Of India for disbursement of Loan has also been extended by JICA upto 15th Feb 2025.

DJB initially requested to extend the YAP-III PMC Services contract upto January 2025, consequent to which the In Principle approval to the proposal of Extension of PMC services upto 31.01.2025 in a tapered manner has already been granted by NMCG vide its letter dated 05.04.2023.

In view of above, Delhi Jal Board vide its letter no. F5(2)/EE(C) Dr XI/2023/1598 dated 07.06.2023 has requested for approval of increase in cost from Rs 37,61,74,372/- to Rs 52,51,68,228/- and Extension of time of the PMC contract upto January 2025.

Though the cost overrun was supposed to be borne by State Govt. only, but, Since the PMC component cost increased due to increased man-months caused by delay of other project components of YAP-III, So, it was proposed that the cost overrun can be shared by GoI, upto CCEA approval limit of 46.48 Cr, on 50:50 cost sharing basis (Option-I, as proposed in the EC

*Wbf*  
01/11/2023

Memo) only, but State requested that since this project was sanctioned on 85:15 Cost sharing basis, so the increased cost with ceiling upto CCEA approval may also be shared in 85:15 ratio (Option-2 as requested by Delhi Jal Board {DJB}), as the JICA Loan as well as all other YAP-III projects are presently being shared in the ratio of 85:15.

The details of revised GoI/State liabilities as per Option-I & Option-II are as under:

**Revised Financial Liabilities of GoI/State as per 50:50 Cost sharing Pattern (Option-I, as proposed in EC Memo)**

AA&ES Sanctioned Cost (Cr.)	Original GoI Share (Cr.)	Original State Share (Cr.)	Revised Cost (Cr.) excluding GST	Capped Cost (Cr.) for GoI sharing excluding GST	Bal. Revised cost to be borne 100% by State (Cr.)	Cost Increment for Sharing by GoI & State (Cr.)	NMCG Recommendation (Cr.)	
							GoI share	State Share
A	B (0.85A)	C (0.15A)	D	E	F (D-E)	G (E-A)	H (B+0.5G)	I (C+F+0.5G)
37.61	31.97	5.64	52.52	46.48	6.04	8.87	36.40	16.12

**Revised Financial Liabilities of GoI/State as per 85:15 Cost sharing Pattern (Option-II, as requested by DJB)**

AA&ES Sanctioned Cost (Cr.)	Original GoI Share (Cr.)	Original State Share (Cr.)	Revised Cost (Cr.) excluding GST	Capped Cost (Cr.) for GoI sharing excluding GST	Bal. Revised cost to be borne 100% by State (Cr.)	Cost Increment for Sharing by GoI & State (Cr.)	NMCG Recommendation (Cr.)	
							GoI share	State Share
A	B (0.85A)	C (0.15A)	D	E	F (D-E)	G (E-A)	H (B+0.85G)	I (C+F+0.15G)
37.61	31.97	5.64	52.52	46.48	6.04	8.87	39.51	13.01

The EC was thus requested to consider for approval the revised cost of Rs 52,51,68,228/- with “resultant additional central funding amounting to Rs. 4.43 crore (revised from 31.97 Cr to 36.40 Cr)-Option-I of 50:50 Sharing” or “resultant additional central funding amounting to Rs. 7.54 crore (revised from 31.97 Cr to 39.51 Cr)-Option-II of 85:15 Sharing” with & continuation/Time Extension of PMC services till 31.01.2025. The State was proposed to share the revised liability of 16.12 Cr/Rs 13.01 Cr as per Option-I/II out of the revised cost of Rs 52,51,68,228/- in addition to entire GST Liability of the project.

*After detailed discussions, the Executive Committee (EC) decided to approve the proposal for revision of Administrative Approval and Expenditure Sanction (AA&ES) from Rs 37,61,74,372/- to Rs 52,51,68,228/- with revised limited GoI liability from Rs 31.97 Cr to Rs 39.51 Cr (in 85:15 ratio out of the CCEA approved cost of Rs. 46.4832 crore as per Option-II above) and Extension of Time upto 31.01.25 in a tapered manner of manpower deployment for the work of “Project Management Consultancy (PMC) services to M/s NJS Consultants Co. Ltd., JAPAN led Consortium by Delhi Jal Board under JICA assisted YAP-III (ID-P215)”. The State Share will be revised from Rs 5.64 Cr to Rs 13.01 Cr (in 85:15 ratio as per Option-II above) in addition to entire Service Tax/GST liability of the project. The remaining term & conditions will continue to be in force as mentioned in AA&ES Ref No. M-12011/1/2012-NRCD-II dated 23.09.2013.*

*It was also decided that the Ist installment (50:50 share) would be released immediately. After 07<sup>th</sup> November 2023, the remaining share of GOI would be released. The Statement Govt. would make pending payment of Rs 185 Cr. to the concessionaire of Okhla STP immediately. The raw water would be taken in for trial by Ist week of November 2023 in the Okhla STP.*

*D. J. B.*  
21/11/2023

**Agenda Item No. 51.5: Fish Conservation and Stock Enhancement of Fishery of Ganga river basin (Phase-III)**

Director, ICAR-Central Inland Fisheries Research Institute (CIFRI), Barrackpore, West Bengal presented the proposal titled “Fish Conservation and Stock Enhancement of Fishery of Ganga river basin (Phase III)” at a cost of Rs. 3138.44 lakhs for a time period up to 31<sup>st</sup> March, 2026.

He apprised the achievements of Namami Gange sanctioned projects during CIFRI Phase I and Phase II. He informed that total fish species identified were 191, including 9 exotic fishes. He further informed that CIFRI had successfully achieved the target proposed during phase I & II projects. Total fish reared during phase I (31.64 lakhs of IMC fingerlings) and phase II (64.15 lakhs of IMC) was 95.79 lakhs. In addition, 92700 Hilsa and 27000 Mahseer fingerlings were also reared. Under Phase I and II, awareness and capacity building as well as livelihood programmes were also taken-up.

Following the success of Phase I and II, Phase III project has been proposed. He explained that project aims to enhance fish conservation in Ganga river basin, including selected tributaries, for improving the prey base for the aquatic animals and to improve the livelihood of fishers. There are total 5 components to be taken up with the additional components on wetland conservation, Mahseer fisheries and endemic cat fishes. The project will extend from mainstream Ganga to basin level of river Ganga and its major tributaries. He informed that the total target of fish rearing programme under phase III will be over 1.5 crore IMC fingerlings, 1 lakh Hilsa and 45000 Mahseer fingerlings. Hilsa artificial breeding programme, which has been successfully established during phase II will also be taken up through cage culture at Farakka.

The Third Party Appraisal (TPA) of the phase-III proposal was done by National Bureau of Fish Genetic Research (NBFGR), Lucknow. Further, as per the observations of Finance Wing of NMCG, the Phase I and Phase II projects were evaluated independently by NBFGR, which recommended that the phase-III project may be taken-up to continue the work done under the earlier phases of the project.

The proposal was also sent to the ICAR-Inland Fisheries Division, Ministry of Agriculture and Farmers Welfare for their views. They have observed that the project has good convergence with the overall sectoral objectives of Government of India, and the Department of Fisheries, Animal Husbandry & Dairying, Govt. of India has initiated rearing programs in other riverine systems based on the initiatives taken by ICAR-CIFRI.

On the query from DG, NMCG, Director, CIFRI informed that indigenous cat fishes also inhabit river Ganga & they play an important role in biodiversity conservation and ecosystem services. Further to his query regarding catch per unit efforts (CUFE) data, he explained that it is being evaluated and will be submitted in the Final Report for the phase II project.

*W/hg*  
01/11/2023

On the request of Director, CIFRI, the DG, NMCG informed that NMCG will extend necessary support to CIFRI for solving various issues related to taking-up Hilsa cage culture facilities at Farakka. Director, CIFRI will send a request letter in this regard to NMCG.

JS&FA, MoJS raised the query on increase of project cost to Rs. 3138.44 lakhs for duration of 30 months as compared to the earlier sanctioned project of CIFRI Phase II of Rs. 1351.00 lakhs for 36 months. Director, CIFRI explained that the earlier work was taken up on main stem river Ganga only with three components, whereas the present proposal has 5 components and its coverage has extended to Ganga basin, including mainstream Ganga and its tributaries.

## DECISION

After detailed discussions, EC approved the project at a total sanctioned cost of Rs. 3138.44 lakhs with project completion till 31st March, 2026 under Namami Gange Mission –II.

### **Agenda Item No. 51.6: Conserving and sustainably managing three priority wetlands in Kalewala Jheel, Muzaffarnagar District, Numaiya Dahi Jheel - Kheduva Taal, Prayagraj District and Dahtal Reoti wetland, Ballia District of Uttar Pradesh under Namami Gange Mission-II.**

Additional Principal Chief Conservator of Forest (APCCF), Projects, Uttar Pradesh State Forest Department (UP-SFD) presented the proposal titled “Conserving and sustainably managing 3 priority wetlands of Uttar Pradesh in Muzaffarnagar, Prayagraj & Ballia Districts” with total wetland area of 855.28 ha. at a cost of Rs. 536.83 lakhs.

Earlier, the proposal was presented in 50th EC meeting in which observations were made that the project is lacking measureable indicators and quantifiable outputs. It was decided that these gaps may be addressed for the proposal to be considered in the EC.

Accordingly, the present proposal has been modified, including the observations relating to measureable indicators and quantifiable outputs of the project, and presented again for approval of EC.

SFD-UP explained the components of priority wetlands selected from the integrated management plans that has been prepared during the previous UP-SFD project sanctioned under the Namami Gange programme titled “Conserving and Sustainably Managing Gangetic Floodplain Wetlands of Uttar Pradesh”. Component wise break-up of the proposed cost of the 3 priority wetlands is summarised as under:

Sl. No.	Proposed Activities for Management Interventions	Financial Outlay Rs. in lakhs			Total Outlay Rs. in lakhs
		Dahtal Reoti, Ballia	Kalewala Jheel, Muzaffarnagar	Kheduva Taal, Prayagraj	

*Whe*  
01/11/2023

1	Institutional setup and Capacity Building	7.5	17.9	8.3	33.7
2	Wetland Delineation and Demarcation	8.1	10	8.5	26.6
3	Catchment and Hydrological Restoration	13	17.28	92.14	122.42
4	Species and Habitat Conservation	6.6	12.5	13.5	32.6
5	Wise use, resource Developments and Livelihoods	14.5	16	38	68.5
6	Habitat Mapping	0	4.5	0	4.5
7	Communication and awareness	4	4	6	14
8	Human Resources	40.32	25.56	26.64	92.52
9	Promotion of ecotourism and awareness in public	0	105.8	3.33	109.13
10	Research, Review and Monitoring	5.63	9.51	8	23.14
11	Administrative Expenses	0	7.72	0	7.73
12	Management plan mid-term Review by external agency	0	2	0	2
	<b>Total budget of Intervention Activities (Rs. In Lakh)</b>	<b>99.65</b>	<b>232.77</b>	<b>204.41</b>	<b>536.83</b>

The current proposal is in compliance with previous EC directions that includes detailed measurable indicators and quantifiable outputs for each proposed component of the 3 priority wetlands along with deliverables that envisages effective conservation and management arrangements in Dahtal Reoti wetland, Kalewala Jheel and Numaiya Dahi- Jheel Kheduva Taal wetland. APCCF, SFD-UP further apprised that the earlier proposal for conservation of priority wetlands has also been evaluated by the Worldwide Fund for Nature-India (WWF-India) as Third-Party Appraisal.

DG, NMCG directed the SFD-UP to give special attention to the component of research, review and monitoring, and hoped that the project would lead to publication of papers in standard journals.

Director, CIFRI suggested the inclusion of cooperative societies for livelihood benefit and fisheries enhancement and offered all possible help in this regard. Consultant (Biodiversity), NMCG added that habitat improvement and fish ranching for restoration of wetland can also play an important role in sustenance of related biodiversity in the wetlands. SFD-UP agreed to the suggestions made.

Senior Consultant, NMCG desired that there should be proper synergy between SFD-UP & CIFRI for wetland conservation & fisheries enhancement in the 3 wetlands. He also requested SFD-UP to ensure that the project may be taken-up speedily for implementation so that it is completed as per schedule.

JS & FA, MoJS also stressed on the need for proper monitoring of project implementation, including the outputs & outcomes of the project.

*Alub*  
01/11/2023

Joint Director, MoEF&CC informed that they support the proposal as it is in line with the National Plan for Conservation of Aquatic Ecosystem (NPCA) Guidelines (2019) and the Wetland Conservation and Management Rules, 2017.

**DECISION:**

After detailed discussions, EC approved the project with at a sanctioned cost of Rs.536.83 lakhs with completion till 31st March, 2026 under Namami Gange Mission II.

**Table Agenda Item No. 1: Revised Cost Estimates (of EPC Contractor and PE, NMCG) & Validity Extension of Administrative Approval & Estimated Sanction (AA&ES) issued for Up-gradation of 6.25 MLD Common Effluent Treatment Plant for Textile Printing Units at Mathura Industrial Area, Mathura-Uttar-Pradesh**

- Original sanctioned project cost: Rs. 13.87 Crore (Taxes including); GoI SHARE; Rs. 10.40 Crore
- Revised project cost: Rs 16.62 Crore **including GST** and extended the validity of the project till 15<sup>th</sup> November 2023.

EC was informed that the project for up-gradation of 6.25 MLD CETP project at Mathura was sanctioned in 16<sup>th</sup> EC meeting with an estimated cost of Rs.13.87 Crore (including taxes), with a condition that the share of NMCG and MACPNL (SPV) @ 75%:25 % respectively and 100% Operation and Maintenance cost shall be borne by the Mathura Audhyogic Chhetra-A Pradushan Nivaran Company Limited (MACPNL - SPV).

MACPNL completed the tendering process and three bidders participated in the tendering process and the contract (L1 Bidder) was awarded to M/s Fateh Enviro Engineer Pvt. Ltd with the approval of NMCG at an estimated cost of Rs. 12.69 Crore (including GST). The contract agreement was signed between MACPNL (SPV) and M/s Fateh Enviro Engineer Private limited (EPC Contractor) on 04th April 2021 however the up-gradation works at Mathura CETP was commenced actually on ground from 19th August 2021 by the EPC contractor (due to pandemic). The work however met certain intermittent delays till November 2021 owing to pandemic, deferment of approval of drawing by SPV (MACPNL) and worker's non-availability due to Diwali Festival seasons. The work was completely suspended in the month of March 2022 due to not releasing the payment to EPC contractor by SPV.

The up-gradation work of 6.25 MLD CETP Mathura has been completed and the CETP plant has been commissioned on 30.03.2023. Construction/Upgradation work of Primary Effluent Treatment Plant (PETPs) and implementation of cleaner technologies, by individual industries, was done through their own resources. As on date, the CETP is in operational stage with 50% recycling back to the member Units of CETP. The Operation and Maintenance agreement of the CETP, Mathura was signed on 08.08.2023 between MACPNL and M/s Fateh Enviro Engineers Pvt. Ltd. and 100% OPEX cost will be borne by MACPNL.

*Whe*  
07/11/2023

Based on the MACPNL and Project Engineer NMCG recommendation, the revised cost escalation proposal for EPC contractor and Project Engineer was considered in 51<sup>st</sup> EC meeting of Rs. 16.62 Crore including GST against the original AA&ES sanctioned cost of Rs. 13.87 Crore including GST and EC was requested to approve this additional cost. As per the contract clause no 5.1.3(a) of the contract is the enabling clause for cost escalation and also confirmed that the price adjustment is applicable during the "performance of the contract". Accordingly, the cost escalation for EPC Contractor (M/s Fateh Engineers Pvt Ltd.) is concurred for Rs 2,63,87,371 vide file no S-29011/2012-13/NMCG/Textile/Mathura-Part-2 and note #91 by Finance wing and the same has been approved by Competent Authority NMCG vide note #95 of the same file. This amount shall be divided between NMCG and MACPNL (SPV) in the ratio of 75: 25 (Rs 1,97,90,528.25: Rs 65,96,842.75) respectively. In addition, an instant proposal is for additional compensation of Rs. 11,80,000/- including GST for extension of PE services for 6.5 months (15th Sep 2022 to 31st March 2023) was also considered and approved in EC meeting. The total revised AA&ES project award cost (including extra fund demand/cost escalation of Rs. 2.7568 Crore, against the project sanctioned cost of 13.87 Crore), which comes approx. 16.62 Crore. However, the remaining amount (considering the awarded cost in existing AA&ES) with NMCG for further release/ payments is Rs 71.2 lakhs including GST, against the project awarded cost. With this the 2.044Cr is requested for approval to EC and the Total revised awarded Project will come out to be Rs. 15.916 against Rs. 13.87 Crore project sanction cost in AA&ES.

EC was also requested to extend the validity of AA&ES till 15th November 2023 for making a necessary payments release purpose only. As per the contract agreement and thus approval from EC has been sought for:

- i. Extension of validity of AA&ES till 15<sup>th</sup> November 2023 for making a necessary payment release purpose only.
- ii. Revision of AA&ES cost of Rs 13.87 Crore to Rs 15.916 Crore (including taxes) that includes Rs. 2.639 Crore for EPC contractor and Rs. 0.118 Crore for Project Engineer (Considering the available fund with NMCG of the awarded cost in existing AA&ES for further release/ payments is Rs 71.2 lakhs including GST).

***After detailed discussions, the Executive Committee (EC) decided to approve the proposal for according revised administrative approval and expenditure sanction (AA&ES) for up-gradation of 6.25 MLD CETP at Mathura Textile Park, Uttar Pradesh with following amendments:***

- a. ***Revised cost of the project (including revised costs of EPC and PE) shall be 15.916 Crore (including GST-18 %) to be considered under industrial pollution head of National Ganga Plan.***
- b. ***The validity of the AA&ES to be extended till 15<sup>th</sup> November 2023.***

**Table Agenda Item No. 2: "Faecal Sludge Treatment Plant (FSTP) in Bahadrabad, Haridwar, Uttarakhand" under Namami Gange Programme.**

- DPR prepared by: M/s WAPCOS Ltd.
- DPR Cost: Rs. 55.55 Cr.

*W. S. S.*  
01/11/2023

- Project cost: Rs. 12.65 Crores including O&M for 1 Year with GST @18%.
- DPR under appraisal by: IIT Roorkee, Uttarakhand.
- Project Component:
  - FSTP - 50 KLD (Bahadarabad)
  - Vacuum Suction Vehicles for Transfer Stations: 1 Nos (10 KL)
  - Transfer Stations – 05 Nos.:
    - Meerpur Muwazarpur – 28 m3
    - Jasawa Wala – 11 m3
    - Naseerpur – 30 m3
    - Padartha – 52 m3
    - Dudhala Dayalwala – 27 m3
  - O&M for - 1 Year.
- Completion Time: 6 Months (excluding bidding)
- Financial Effect: 100% Central Sector
- Bidding Process: Technology Innovation Guided Pilot Project

WAPCOS Limited submitted a DPR to NMCG vide email dated 11.08.2023 for piloting a technology driven innovative “Faecal Sludge Treatment Plant (FSTP) in Bahadarabad Block, Haridwar, Uttarakhand” providing faecal sludge management for about 130 villages set in peri-urban / rural settings of Bahadarabad block under Namami Gange Programme at an estimated revised cost of **Rs. 55.55** Crore. The pilot proposal has a total capacity of 100 KLD (2 FSTPs each 50 KLD at Bahadarabad and Sarai), supported by 2 Cesspool Vehicle (each capacity of 10 KLD), 7 Transfer Stations (capacities ranging from 8 to 52 m3) and 15 years O&M.

The Census 2011 population of Bahadarabad block is about 3.57 lakhs, spanning 72-Gram panchayats (GPs) and covering approximately 36 kilometers. In Uttarakhand, primarily scattered settlements exist, especially in pre-urban and rural area. Thus, under NMCG, the implementation of conventional underground drainage system and STP would be expensive and time consuming. Therefore, NMCG has made efforts to develop safe and sustainable sanitation solutions including co-treatment. Considering all these conditions, the Green thermal pyrolysis technology FSTP could be considered as pilot option for the treatment of faecal sludge. This is also first FSTP intervention by NMCG on pyrolysis based Faecal Sludge Management in peri-urban area.

The proposed block-level sanitation treatment system consists of three main components – collection trucks, transfer stations, and the faecal sludge treatment plant. The proposed green thermal FSTP in Bahadarabad Block in the Haridwar district is a well- thought-out solution to address the growing sanitation issues in the area. The proposed transfer stations are strategically located in proximity to all the settlement areas and with this as an integrated system, the FSTP are expected to serve the entire rural population residing in the Bahadarabad Block.

The pilot plant was reviewed and conceptualized to have a total capacity of 50 KLD FSTP supported by 1 Cesspool Vehicle (capacity of 10 KLD), 5 Transfer Stations. The cost of the proposed project has been reviewed to be **Rs. 12.65 Cr** including 1-year O&M with GST @18 %. The project cost will be 100% shared by the Central Government. TPA agency is still reviewing the cost of the proposed project.

*Dhul*  
01/11/2023



**Recommendation of EC:**

*Executive Committee (EC) deliberated the technology innovation guided pilot project proposal of WAPCOS towards 50 KLD FSTP with 05 no. of transfer station supported by one GPS guided cesspool vehicle (capacity of 10 KLD) together with O&M provision for one year estimated to cost Rs. 12.65 Cr (including GST @18%) in Bahadrabad, block of district Haridwar and approved the same in – principle for funding under NGP Component – New Initiatives of Namami Gange Program II with following conditions:*

- 1. Final TPA report from IIT Roorkee will provide details towards civil, electro- mechanical and O&M parameters and their estimates thereto.*
- 2. Land required for sitting of Transfer Stations and FSTP is to be finalized and confirmed by the State Government.*
- 3. O&M cost beyond one year shall be the responsibility of State Government / ULB and shall be confirmed by the State Government.*
- 4. Final decision on the pilot project shall be taken based on final recommendation of TPA and approval of EC.*

The meeting ended with vote of thanks to the Chair.

\*\*\*\*\*

*Dhp*  
*01/11/2023*

