

F. No. Pr-27/2/2022-TECH CONSTRUCTION NMCG

**National Mission for Clean Ganga
Department of Water Resources, River Development
& Ganga Rejuvenation, Ministry of Jal Shakti
Government of India**

1st Floor, Major Dhyan Chand
National Stadium New Delhi – 110002
Dated: 15th March 2023

To,
Project Director
SPMG West Bengal
Unnayan Bhavan, DJ-11, Sector-II,
3rd floor Block A, Salt Lake, Kolkata-700091

Sub: Administrative Approval and Expenditure Sanction for “Pollution Abatement Sewerage Project (Interception and Diversion with STP) at Chakdah Municipal Town”, West Bengal under Namami Gange Mission – II, with 100% central sector support at an estimated cost of Rs 121.66 Crs (Rupees One Hundred Twenty-One Crores and Sixty-Six Lakhs only).

Madam,

I am directed to convey the grant of Administrative Approval and Expenditure Sanction for the project on “Pollution Abatement Sewerage Project (Interception and Diversion with STP) at Chakdah Municipal Town”, West Bengal” under National Ganga Plan (NGP) –Non EAP budget head of Namami Gange Mission – II, with 100% central sector support at an estimated cost of Rs 121.66 Crs (Rupees One Hundred Twenty-One Crores and Sixty-Six Lakhs only) (Inclusive of GST), including cost of O&M for 15 years, with the following major components:

- Nala Tapping – 30 nos.
- Diversion sewers, 200 to 800 mm diameter- 5050 m
- Sewage pumping stations- 4 nos.
- MPS- 1 no.
- Rising mains- 4400 m
- STP- 1 no. 15 MLD
- De-centralized STP – 1 no. 300 KLD
- O&M for 15 years

2. The summary of cost is given at **Annexure-I**.
3. Administrative Approval and Expenditure Sanction for the project is granted subjected to General & Technical conditions as per **Annexure-II**, Specific conditions and directions of EC as per **Annexure III** and Financial conditions as per **Annexure IV**.
4. The period of completion of the project is 24 months (Twenty-Four), which includes 6 months for bidding and 18 months for construction from the date of issue of

AA&ES (excluding the period of trial run). The procurement of goods and services shall be made strictly as per the 'NGRBA programme framework' and various other guidelines of NMCG. The detailed schedule of the project implementation is given in **Annexure-V**.

5. 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.
6. The grantee institution i.e. the State Project Management Group (SPMG), West Bengal is a registered society of the State Government constituted with the objective of effective implementation of the Namami Gange programme activities at the State level, and the State is responsible in the long term for the conservation and health of the state's stretch of the river Ganga.
7. The sanctioned cost of the project will be born from the 'National Ganga Plan'- Non-EAP budget head of Namami Gange Mission-II and expenditure incurred will be booked under the component "Nirmal Ganga – Infrastructure Development and asset creation- pollution abatement management –sewerage infrastructure-sewage treatment plants (STP)-DBOT Projects"2. The NMCG/Government of India reserves the right to withdraw the sanction at any stage, if it is convinced that the fund has not been properly utilized or appropriate progress is not being made.
8. In case of violation of any of the conditions of the letter of award or in case of closure or dissolution of the executing agency, the Government shall take possession of all the assets of the organization acquired out of the Government funds and use them in any manner deemed appropriate or to recover from the organization the value of such assets at its discretion.
9. While the AA&ES costs include estimated O&M costs for 15 years, the O&M provisions will be reviewed after 7 years on the basis of compliance of various AA&ES conditions by State Government/ SMCG including insurance of assets created, reuse of treated water, levy of user charges, sewage cess etc.
10. *This AA&ES is issued based on the appraisal and sanction of the Executive Committee vide its 47th meeting held on 22.02.2023 as well as the approval of Director General – National Mission for Clean Ganga vide e-office Note# 42 dated 15.03.2023 and concurrence of ED (Finance), NMCG vide e-office Note# 52 dated 15.03. 2023.*

Yours faithfully,




(Binod Kumar)
Director, Projects

Copy forwarded for information & compliance of below mentioned conditions to: -

- 1) The Chief Secretary, Government of West Bengal, Nabanna ,13th Floor, 325, Sarat Chatterjee Road, Mandirtala Shibpur, Howrah-711102
- 2) CEO Kolkata Metropolitan Development Authority, Unnayan Bhavan, DJ-1 Sector-II, 3rd floor Block A and 2nd & 3rd floor Block G, Salt Lake, Kolkata 700091

Copy forwarded for information to: -

- i. PS to Hon'ble Minister (MoJS, DoWR, RD&GR), Shram Shakti Bhawan, N. Delhi-110001
- ii. PPS to Secretary, MoJS, DoWR, RD&GR, Shram Shakti Bhawan, New Delhi-110001
- iii. PS to Director General, NMCG
- iv. Executive Director (Projects, Finance, Technical, Admin), NMCG, N. Delhi
- v. NMCG Officials / Sanction Folder /Guard File/Computer Cell, MIS/ NMCG.


(Binod Kumar)
Director, Projects

Annexure-I

S. No.	Items	Quantities	Cost in Lakhs	Remarks
A	Items on which centage is admissible			
1	Tapping arrangement	26 nos.	25.26	
		4 nos.		
2	Diversion sewers, by open excavation			
	200 to 400 mm, DWC-HDPE	2440 m	927	
	500 to 800 mm, RCC NP ₃	2800 m		
	Diversion sewers by HDD cutting method, 400 to 600 mm	1475 m	208.22	
	Subtotal (1+2)	5050 m	1160.48	
3	Sewage pumping stations			
	IPS - 1, 2039/2054	2.06/2.20	127.08	
	IPS - 2, 2039/2054	2.54/2.72	142.07	
	IPS - 3, 2039/2054	6.38/6.83	203.76	
	IPS - 4, 2039/2054	0.86/0.92	132.38	
	MPS - 5, 2039/2054	11.58/12.40	264.04	
	Total (3)		869.32	
4	Rising mains, 200 to 400 mm	4400 m, DI K ₉	164.54	
5	STP			
	STP for 26 outfalls, including office building, lab & equipment, boundary wall, campus development, water supply, drainage, sewerage, internal & external electrification, disinfection, DG set, treated water pumping station, SCADA and Online monitoring system etc.	15 MLD	2330.19	
	STP for 4 outfalls	300 KLD	81.18	
	Land protection of STP		54.46	

	Effluent line, 500 mm	500 m	35.54	
	Outfall structure		1.2	
	Co-treatment of Septage	11.27 KLD	55.11	
	Total (5)		2557.68	
	Basic Capital Cost (A)		4752.03	
B	Centage			
B.1	Cost of project preparation @ 4% as per NGRBA guidelines on basic capital cost (maximum)		190.081	A maximum 4% each of AA&ES basic capital cost/ awarded capital cost (whichever is lower) is admissible towards (a) DPR preparation and (b) supervision fees. However, payments for DPR preparation and supervision fees to Executing Agencies (EAs)/ Consultants are to be made as per actuals based on the scrutiny of supporting documents furnished by them for such claims (Reference: NMCG circular No. No. G-35/10/2020 -BUDGET NMCG dated 19.01.2023)
B.2	Cost of project supervision @ 4% as per NGRBA guidelines on basic capital cost (maximum)		190.081	
	Sub Total (B)		380.162	
C	O&M cost for 1 st 15 years, excluding power charges		2945.74	Admissible components include costs towards Manpower, Maintenance, Chemicals etc.
D	Power charges for 1st 15 years		2098.03	To be reimbursed on actual basis by NMCG.
E	Other work components (without GST)			
E.1	Transmission line & Power Connection		223.25	Indicative provision. To be reimbursed as per actual based on details to be provided.
E.2	Utility shifting		206.95	Indicative provision. To be reimbursed as per actual based on details to be provided.

	Sub Total E – Work Components		430.20	
F.	Other components (GST applicable)			
F.1	Environmental Sanitation and Management Plan (ESAMP)		10	Provision is indicative. Payment will be as per actuals within the ceiling indicated.
F.2	Communication and Public Outreach		29.4	Provision is indicative. Payment will be as per actuals within the ceiling indicated.
F.3	Governance and Accountability Action Plan (GAAP)		10	The cost provisions relate to interventions on noise control, dust bins and good environment condition etc. and are the responsibility of the contractor.
	Sub Total – F – Other Components		49.4	
G.	Statutory Duties			
G.1	Labor cess	1% of basic capital cost	47.52	
	Sub Total G		47.52	
H	GST			
H.1	GST on A+B+F	18%	932.69	
H.2	GST on O&M cost excluding power (C)	18%	530.23	Power costs are excluded as these are to be reimbursed as per actuals.
	Sub Total H - GST		1462.92	
	Total Cost of project A+B+C+D+E+F+G+H		12166.00	
	Say in Crores		121.66	

1.0 General Conditions:

- i. State Government to insure all assets created from the project against fire, natural calamities etc. at their own cost after suitable risk assessment.
- ii. Use of solar based electricity, including generation of photovoltaic electricity in the vacant areas of STPs, pumping stations and roof tops of buildings to be explored. Alternatively, the RESO (Renewable Energy Supply Company) may be approached for investing in solar systems and obtaining committed fixed price power on lowest PPA for 25 years This should also reduce O&M costs substantially.
- iii. STPs are also a good source of Bio-gas generation, and may be utilized for generation of electricity to meet the requirements of STPs and Sewage Pumping Stations.
- iv. Compliance with water quality norms for STP outflows, conforming to NGT order dated 31.3.2019, and other environmental norms (such as compliance with prescribed noise level etc.) may be ensured.
- v. Reuse of 20 percent treated water, as mandated in NMCG guidelines, may be ensured. In addition to using the treated water for irrigation purpose, efforts may also be made to identify thermal power plants within 50 KM radius of STPs, and to tie up with them for use of treated water, as provided in M/o Power notification dated 28.01.2016.
- vi. A sludge management plan may be prepared in advance.
- vii. Given that normal life of a STP is 30-35 years, State Government should make provisions for proper maintenance of the asset beyond 15 years. sustainable O&M arrangement beyond 15 years.
- viii. 'West Bengal, State Programme Management Group (SPMG), which is a registered society, shall be responsible for coordination with the KMDA, Kolkata Metropolitan Development Authority and other State Level Institutions for overall planning, management and effective implementation of the project at state level.
- ix. The KMDA shall be the Executing Agency (EA) for the project to be implemented under (DBOT) mode. As the per provisions laid down in the NGRBA programme framework, under the guidance of the SPMG, and overall monitoring of the National Mission for Clean Ganga (NMCG) KMDA shall work in close coordination and consultation with the concerned ULB for successful implementation of the project.
- x. The project will be executed in Design Build Operate Transfer (DBOT) basis and needs to be suitably aligned with the 'Strategic Sanitation Plan'/ 'City Sanitation Plan'/ 'Master Plan' for, Chakdah Municipality. Also, synergy shall be ensured with other Central/State sponsored programme like JnNURM, UIDSSMT etc. in the city of Kolkata Metropolitan Development Authority to avoid any overlap / duplication.

- xi. SPMG, KMDA and ULB shall not carry out the foundation stone lying/ inaugural function of the said project without consent of NMCG as its 100% central funding and requires many formalities to be observed prior to foundation stone lying / inaugural functions.
- xii. State Government/ Executing Agency shall generate wastewater flow data (drain), wastewater characteristics and river water quality monitoring through actual monitoring and analysis at regular intervals (at-least monthly basis).
- xiii. The activities proposed under the project shall conform to all Environmental Legislations, any judicial orders in force at the site of work and the NGRBA programme framework.
- xiv. Standard procedure as indicated in the CPHEEO manual on Sewerage & Sewage Treatment and codes of practice of BIS will be strictly followed.
- xv. Progress of implementation of the project shall be closely monitored by the State Government of West Bengal /SPMG so as to ensure that the project is completed within the stipulated period of time.
- xvi. All components of the project shall be completed within specified time limits and the resources and outputs and outcomes are to be ensured as envisaged in the approved project. Completion Report shall be submitted to NMCG on completion of the project.
- xvii. Any additional component relevant for project or any component require modification or deletion, may be added or modified or deleted as the case may be, only with the prior approval of the Competent Authority.
- xviii. Staffs that may be employed for preparation, execution or operation of the project by the EA are not to be treated as employees of the SPMG/ NMCG. The deployment of such staff at the time of completion or termination of the project will not be the concern or responsibility of the SPMG/ NMCG.
- xix. Optimal utilization of the assets relating to the project and created under Ganga Action Plan or any other Central/ State Plan shall also be ensured by the SPMG/ EA/ ULB.
- xx. All data, records, documents and material related to the project shall be stored properly and catalogued by the SPMG/ EA for reference and retrieval including regular uploading/ disclosure/ updating of such data on website.
- xxi. The State/ SPMG/ EA shall ensure that all provisions of the RTI Act 2005 are adhered to as far as information pertaining to the project is concerned.
- xxii. The State/ SPMG/ ULB shall ensure that public is informed in the State/ city of Chakdah, regarding implementation of the project and soliciting their co-operation and views as applicable.
- xxiii. For the provisions made under IEC activities, the SPMG shall make suitable arrangements with Chakdah Municipality for executing the 'Communication and Public Outreach' programme under its supervision towards sensitization of people for abatement of pollution and conservation of river Ganga.
- xxiv. Conditions/ commitments indicated in this Approval, Executive Committee Memorandum, Minutes and other documents including those to be fulfilled before finalizing the bid document(s) shall be strictly adhered to in the project implementation and management. The SPMG will ensure fulfillment of such conditions before finalizing the bid(s) by the EA. Copies of EC Memorandum, Minutes, appraisal reports, observations and other related documents are already circulated.
- xxv. Chakdah Municipality shall be the Urban Local body (ULB) responsible for ensuring commitment to ownership, commitment to reforms for sustainable O & M, and community involvement.

- xxvi. The actual project cost shall be the awarded cost. If the awarded cost is within the sanctioned estimated cost then state government is not required to take NOC from NMCG, however work could be awarded only after approval of funding agency.
- xxvii. Any project cost overrun or time overrun will be brought in the notice of NMCG. Decision of cost overrun and time overrun will be granted based upon discussion in Executive Committee (EC) of NMCG.
- xxviii. All the specific conditions and generic conditions mentioned in the AA&ES are to be complied by the SPMG through their Executing Agency. The SPMG will ensure fulfillment of such conditions before finalizing the bid(s) by the EA.
- xxix. NMCG logo and name to be inscribed at strategic locations.
- xxx. State Government makes provisions for proper maintenance of the asset beyond 15 years. State Government may impose suitable sewage cess / tariff/ tax and sewer connection fees on the beneficiaries, and to keep them in a corpus to meet O&M costs.



Annexure-III

Specific conditions on Administrative Approval and Expenditure Sanction for the project on “Pollution Abatement Sewerage Project (Interception and Diversion with STP) at Chakdah Municipal Town”, West Bengal State”

- i. The State Govt. should ensure the availability of land in their possession before bidding of works and cost for land will be borne by state government, a copy of the Land NOC to be shared with NOC prior to publication of NIT.
- ii. All infrastructure projects need to conduct project specific IEC activities and detailed plan for such activities to be submitted to NMCG.
- iii. “Namami Gange” signage to be placed at all the project sites approved under Namami Gange programme.
- iv. Cost of getting statutory clearances will be provided as a reimbursement on the basis of supporting documents.
- v. Specific clause shall be kept in the bid document for the preparation of construction specific ESIA and ESAMP report and no construction work should start without prior approval of NMCG;
- vi. GST as applicable shall be paid extra and adequate provision shall be kept in the bid document to invite bid with GST inclusive cost. However, in AA&ES GST component has been indicated.
- vii. State Government shall ensure that after implementation of this project, no I&D gates need to repair and no untreated drains will fall in the river Ganga from the town.
- viii. State Govt. need to expedite the bidding process for the project. The entire bidding process including award of work for the project shall be completed within 6 months from the date of issue of AA&ES.
- ix. Conditions/ commitments indicated in the Executive Committee Memorandum, Minutes and other documents including those to be fulfilled before finalizing the bid document(s) shall be strictly adhered to in the project implementation and management. KMDA will ensure fulfillment of such conditions before finalizing the bid(s) by the EA. Copies of EC Memorandum, Minutes and other related documents are already circulated.
- x. It is clarified that revised AA&ES on the final project value will be issued at appropriate stage on approval of project by Executive Committee (EC) of NMCG after identification of successful bidder and signing of agreement, if required.
- xi. The compliance with the observations of TPA and NMCG will be ensured by KMDA. Further, KMDA may ensure that there are no overlaps with the works being undertaken by GoWB and obtain necessary NOCs, including land availability, from the State required for the project before awarding the contract.



Financial Conditions:

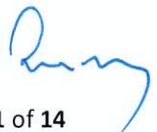
1. Flow of Funds:

- i. Assignment limits to SMCG concerned are allocated by the National Mission for Clean Ganga from time to time as per Treasury Single Account (TSA) system, based on projected fund requirements. Funds for the present project will be made available by SMCG from the overall assignment limit. The objective of the TSA is to ensure “just in time release” and eliminate/ reduce parking of funds at all levels of project implementation.
- ii. The TSA guidelines prohibit transfer of funds by Autonomous bodies (ABs)/ Sub-ABs to their own Bank Accounts as this is akin to acting like one’s own vendor. SMCGs will, therefore, ensure that no assignments limit is transferred to their Bank Accounts, and all payments from Assignment Limits are made directly to executing agencies/ vendors/ contractors.
- iii. SMCGs will ensure that no parking of fund happens while transferring fund from SMCG to the executing agency and from executing agency to contractors/ vendors. Such transfer must be effected “just in time”, and should be as reimbursement of bills raised/ submitted.
- iv. Since the fund flow is based on “just in time release”, there should not be any accrual of interest on grants-in-aid received from NMCG. However, any interest earned on the grant received from NMCG/ GoI should mandatorily be remitted back to NMCG immediately after finalization of accounts for depositing the same to the Consolidated Fund of India.
- v. The assignment limit allocated to SMCG will lapse at the end of financial year.
- vi. Allocation of assignment limit to SMCG is not counted as expenditure under TSA. Only final payment to executing agency/ contractor/ vendor is counted as expenditure. Hence, all bills raised by the EA should be settled immediately.

2. Audit:

- i. The Comptroller & Auditor General of India at his discretion shall have the right of access to the project related books of accounts of the SPMG –West Bengal/ Executing agency for the purpose of Audit.
- ii. The books of accounts of the grantee, relating to this grant, shall be open to audit by the Internal Auditor and External Auditor of National Mission for Clean Ganga.
- iii. SMCG to ensure that all financial documents related to the project are maintained by the EA for submission to NMCG/ Audit on demand.

3. Submission of Utilization Certificate (UC) by the SMCG:



- i. The quarterly Utilization Certificates (UCs) in respect of grant-in-aid received during various quarters shall be furnished by the SMCG to the NMCG in prescribed format (GFR 12-A), duly signed and stamped by the Head of the Organization and Chief Finance Officer, within 30 days from the end of quarter.
- ii. The subsequent allocation of Assignment limit will be made based on Utilization Certificate/ Expenditure Statement of the previously allocated assignment limit.
- iii. The UCs, in addition to the financial progress, should also indicate physical progress/ outcomes achieved, in the format circulated vide DO No. FN-18011/1/2022/ ED (F)/ NMCG dated 10.10.2022 from Executive Director (Finance), NMCG.

4. Other Aspects:

- i. A monthly 'Accounting and Financial Report (AFR)', to be developed by the EA in consultation with SMCG. EA will furnish the AFR to SMCG by the 10th day of every month as per the 'Financial Management Manual (FMM)' of the NGRBA framework. As part of the AFR, the EA shall submit the following documents:
 - a. Invoices of the suppliers/ contractors against which online payment instructions issued by the EA in the previous month.
 - b. A list of invoices received and not paid during the previous month.
 - c. A list of contracts signed during the previous month.
- ii. An Annual Plan shall be prepared by the month of November every year for the next financial year as per the provisions made in the NGRBA programme framework and submitted by the SMCG to the NMCG for necessary approval and budget allocations.
- iii. The SMCG/ULB shall take all necessary legal and executive measures to ensure adequate resources available for operation & maintenance of the assets created under the Project to fulfill its mandate.
- iv. The SMCG/EA are not permitted to seek or utilize funds for the same purpose from any other organization (Government, semi-Government, autonomous or private) without prior approval of the competent authority.
- v. The sanctioned amount should be spent exclusively as per the scope of the project and within the stipulated time. The liability of NMCG will not exceed the amount sanctioned for the project. For carrying forward any work(s) /activities beyond the specified time limit prior approval of the NMCG should be obtained.
- vi. It is the responsibility of the SMCG/EA/ULB to ensure that the assets are exclusively used for the purpose for which grant is sanctioned and to maintain the assets and their records properly.
- vii. All the assets acquired/created out of the grants shall not be disposed of, encumbered, or utilized for any purpose other than that for which sanctioned without prior approval of the Government.
- viii. O&M costs will be considered for release only after the project construction is complete and a realistic plan for use of O&M cost based upon actual sewerage load to be submitted.
- ix. Any payments made on account of project preparation by NMCG relating to this project shall be adjusted accordingly from the project preparation head.

5. General Financial Rules, 2017:

All relevant provisions of General Financial Rules, 2017, as amended from time to time, will be applicable to grantee organization.



