



**Thane Municipal Corporation, Thane
Drainage Department
Tender No. TMC/PRO/DRAINAGE/06/2026-27
dated 02/04/2026
Tender ID No: 2026_TMC_1295009_1**



**Underground Sewerage Scheme for Diva and Shil
(District 04) under AMRUT-2.0**

Minutes of the Pre Bid Meeting and Addendum

**City Engineer
Drainage Department
Thane Municipal Corporation Thane**

Following TMC officers and representatives of the Consultants were present.

1. Shri. Vikas Dhole (Deputy City Engineer, Drainage Dept. TMC Thane)
2. Shri. Nadeem Kazi (Executive Engineer, Drainage Department TMC Thane)
3. Shri Vivek Karande (Executive Engineer, Drainage Department TMC Thane)
4. Shri Praveen Sapale (Executive Engineer, Drainage Department TMC Thane)
5. Shri. Anant Bade (Executive Engineer, Drainage Department TMC Thane)
6. Shri Parth Chopade (M/s Ray Infrastructure Pvt. Ltd.)
7. Shri Vaijinath Somwanshi (Unity Consultants Pvt. Ltd.)
8. Shri. Piyush Sawadekar (M/s Waternet Consulting Services Pvt. Ltd.)

Representatives of the following bidders were present in the pre bid meeting / have submitted the pre-bid points physically.

1. M/s. Gypsum Structural India Ltd., Gurgaon
2. M/s. K E Infrastructure Pvt. Ltd., Thane
3. M/s. HNB Engineering Pvt. Ltd., Pune
4. M/s. Eurotech Environmental Pvt. Ltd., Hyderabad
5. M/s. Genius Infra Engineering Pvt. Ltd., Jodhapur
6. M/s. Civil Deck Infraprojects Pvt. Ltd., Thane
7. M/s Sandesh D. Butala Dombivali (submitted the pre bid points)
8. M/s Maa Mumbra Devi Enterprises Thane (submitted the pre bid points)
9. M/s Hirani Enterprises Borivali (submitted the pre bid points)
10. M/s. Paras Infra, Mumbai
11. M/s. RPS infra
12. M/s. KSB Limited

Reply to the various queries raised by the bidders for the work of Underground Sewerage Scheme for Diva and Shil (District 04) under AMRUT – 2.0 are as follows;

COMPLIANCE OF PREBID MEETING FOR THE TENDER NO: TMC/PRO/DRAINAGE/06/2026-27 dated 02/04/2026**MINUTES OF THE PRE-BID MEETING****Name of Work: - Underground Sewerage Scheme for Diva and Shil (District 04) under AMRUT-2.0****Tender ID: 2026 TMC 1295009 1****Date of the Pre bid-Meeting: 20-04-2026 at 11:30 am****Drainage Department****1. M/s. K. E. Infrastructure Pvt. Ltd. Thane (East)**

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
1.	Volume-I	Pg. No. 14 of 174	Detailed Tender Notice Cl. 05.	Last date of submission – 27/04/2026	As Thane Municipal Corporation has floated multiple tenders of similar nature simultaneously and all these tenders are of significantly large magnitude, the documentation requirements are extensive. Collection, verification, notarization, and certification of such large number of documents is a time-consuming process and practically requires at least 3 to 4 weeks. Therefore, we humbly request to extend the bid submission date by a minimum of 4 weeks.	As per corrigendum
2.	Volume-I	Pg. No. 11 of 174	Detailed Tender Notice Cl. 01.	Tender fee and EMD shall be paid by 1. SBI Net Banking or 2. Other Bank Internet Bank MOPS.	It is requested that Earnest Money Deposit (EMD) should also be accepted in the form of Fixed Deposit Receipt (FDR) or Bank Guarantee issued by nationalized/scheduled banks, which is a widely accepted practice.	As per NIT.
3.	Volume-I	Pg. No.	Detailed Tender	Collaboration and Joint venture	Although joint venture participation is allowed, it is requested that the joint venture conditions	The Bidder can execute Joint venture agreement as per the prescribed

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
		19 of 174	Notice Cl. 07		should strictly comply with Govt. General Resolution (परिपत्रक क्र. सीएटी १०९०/सीआर८५/इमारती - २ dated 20/05/2002), which is applicable to all Municipal Corporations and Maharashtra Jeevan Pradhikaran.	format with One Lead Bidder + 2 Joint Venture partners, wherein the Lead Bidder shall have more than 50% contribution.

2. HNB ENGINEERS PVT. LTD., PUNE

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
1	Vol. 1	Pg. No. 11	Cl. No. 1	EARNEST MONEY DEPOSIT/TENDER FEES: Tender fee and EMD shall be paid by 1. SBI Net Banking or 2. Other Bank Internet Bank MOPS.	To have healthy competition, it is requested to accept the Bank Guarantee towards EMD. Please Confirm.	As per NIT.
2	Vol. 1	Pg. No. 14	Cl. No. 4	TIME OF COMPLETION: 24 (Twenty-Four in words) calendar months, excluding Monsoon. This will be counted from the date of issue of the work order.	Looking at the volume of work involved in the tender, it is requested to revise the Time of Completion to 36 Months excluding Monsoon. Please Confirm.	As per NIT.
3	Vol. 1	Pg. No. 52	67	PRICE VARIATION – AUTHORITY: Price variation is (as per clause 59) applicable to this tender.	We presume that the Price Variation is applicable on the entire project cost. Please Confirm.	As per NIT.
4	Vol. 1	Pg. No. 53	70	Mobilization Advance will not be granted	It is requested to provide interest free mobilization advance of 10% of the Contract Cost against an equal	As per NIT.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
					amount of the Bank Guarantee to maintain the cash flow of the project. Please confirm.	
5	Vol. 1	Pg. No. 58	10	STRATA: Strata for excavation are shown approximate based on trial pits and the Contractor shall have no right to claim extra if there is variations in the strata.	It is requested to provide Geo Technical Report to get the exact condition of the sub soil to all bidders to get at par. Please confirm.	As per NIT.
6	Vol. 1	Pg. No. 58	11	CHANGE IN SITE: No claims shall be paid on account of reasonable change in site, alignment or orientation of the proposed work, within the work site marked on plan attached to the tender as the circumstances may call for.	If the site location/plot is in the custody of the client then please delete this unwanted clause.	As per NIT.
7	Vol. 1	Pg. No. 58/	13	EXCAVATED MATERIALS: All excavated stuff shall be Corporation's property and shall be disposed of all lead and lift by the Contractor in a manner as directed by the Engineer. If the site for disposing is not available with TMC then the contractor can dispose of this excavated material as per the site condition at any other location, without any liability to TMC and all necessary Royalty receipts of such a disposed material to be submitted along with the RA bill to TMC.	Please provide the distance of the disposal site from the proposed plot location.	As per NIT.

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8	Vol. 3			Drawings	It is requested to provide the CAD file of the drawing for better understanding.	The proposed network and other drawings are enclosed, in Vol. III of the bid.
9	Vol 4		268	LIST OF APPROVED MAKES LIST	There are better makes available in the market than those specified in the list. In view of this, it is requested let the bidder select make of equipment considering its continuous performance for longer period. This will help in selecting and providing reliable equipment which requires less maintenance during O & M period; upon appropriate presentation to the Engineer – In – Charge/competent authority during detailed engineering. Please confirm.	As per NIT.
10	-		General	Statutory Approvals/Permissions:	We presume that all Statutory Approvals including road cutting permissions will be taken by the Thane Municipal Corporation at their own cost. Please confirm.	The successful bidders has to follow up with the competent authority for obtaining the permissions for road cutting, power supply connections and permissions from Railways, NHAI, State Highways or any other roads and any other Government Department. The technical support and documents along with the official fees shall be paid by the TMC.

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11	-	-	General	-	We presume that, the successful bidder shall submit the design as per CPHEEO manual.	As per NIT.
12	-	-	General	Physical Submission of bid documents.	We presume that there will be no physical/hard copy submission and bidder need to submit their bid online on eProcurement portal. Please confirm.	The bidder has to submit all the required documents as per e-tendering process.
13	-	-	General	Date of Submission:	Looking to scope of work and volume of submission, please extend the date of submission at least by 1 week after providing replies to our pre bid points. Please confirm.	As per corrigendum
14	Volume-I	Pg. No. 14 of 174	Cl. No. 06	Pre-qualification Criteria: The Bidder should have net worth 8% of tender cost of continues 3 years from the financial year. In which he desires to take work.	With reference to the tender condition stating We respectfully request the Authority to kindly consider an average net worth of 8% over the last three (3) financial years, instead of requiring a minimum net worth of 8% in each individual financial year.	As per NIT.
15	Volume-I	Pg. No. 16 of 174	6.2 d)	Pre-qualification Criteria: FOR Pumping Machinery installation i) 311 HP (232 kW) and above capacity submersible non-clog pumping machinery.	With reference to the tender clause: Kindly clarify whether the specified 311 HP (232 kW) capacity refers to a single pump capacity or the cumulative capacity or multiple pumps.	The bidders shall have experience of installation Sewage pumping machinery (non-clog) having cumulative installed capacity of 311 HP / 232 kW in single work/ contract (Single or Multiple pumps in single contract).

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
16	Volume-I	Pg. No. 16 of 174	6.2 d)	<p>Pre-qualification criteria: FOR POWER Supply</p> <p>i) 265 kVA and above transformer / substation.</p> <p>ii) 200 KVA for a 22/11KV supply comprises of Transformer / Compact substation.</p>	<p>With reference to the tender clause: Kindly clarify whether the specified capacities of 265 kVA and 200 kVA for transformer/substation are to be considered as individual (single unit) capacities, or whether transformers/substations of lower individual capacities installed cumulatively to meet the required capacity shall also be considered for eligibility.</p>	<p>The bidder shall have experience of installation of transformer/ substation having capacity 260 kVA and 200 kVa as a single transformer / substation or multiple transformers in a single work / contract (Single or Multiple pumps in single contract).</p>
17	Volume-I	Pg. No. 16 of 174	6.2 e) a) & c)	<p>Pre-qualification criteria: FOR Automation / SCADA</p> <p>a) Bidder shall be Contractor or manufacturer or authorized dealer or system integrator for all types of sensors required for automation or SCADA, like Pressure transmitters, level transmitter, PLC integration, Energy monitoring systems, PLC based control monitoring and communication systems, flow meters and water quality parameters (inlet and outlet effluent parameters) etc.</p> <p>b) 50% of required annual maintenance period.</p>	<p>With reference to the tender clause: Kindly clarify the requirement of 50% of required annual maintenance period," as No specific O&M/maintenance duration has been defined in the tender document; in absence of a stipulated O& M period, it is unclear how the 50% criteria shall be evaluated for eligibility.</p>	<p>The bidder shall have experience of installation of SCADA automation as well as shall have experience of operation and maintenance for the 50% period. The performance run and the trial run stipulated is 06 + 12 months i.e. 18 months and the bidder shall have experience of O & M for the period of 09 months minimum.</p>

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
18	Volume-I	Pg. No. 29 of 174	Cl. No. 14	Scope and meaning of the contract:	With reference to the tender clause: Kindly clarify the detailed funding pattern under the AMRUT-2.0 Mission for the subject project, specifying the share of Central Government assistance and the contribution of Thane Municipal Corporation/State Government, and confirm whether the funds have been formally sanctioned, allocated, and are currently available for execution of the work.	The said work is sanctioned under Central and State Government funded projects under AMRUT-2.0.
19	–	–	–	General : Survey	Kindly provide the KML/KMZ file of the project area/alignment, as the same is essential for accurate assessment and effective preparation of the bid.	Please refer Volume-III Drawings for conceptual layout and tender drawings.
20	Volume-II	Pg. No.4		Cyclic Activated Sludge Process / Moving Media Bioreactor / Membrane Bio Reactor / RMBR: Designing, providing, constructing, hydraulic testing, commissioning and giving satisfactory trials of STP based on SBR technology with SCADA & Automation and consisting of Inlet Chamber, Screen Chamber, Detritus Tanks, Distribution Chamber and Biological CASP Basins, Sludge Sump, Chlorine Contact Tank,	Kindly clarify the applicable STP technology for the project, as the heading mentions CSAP/MMBR/MBR/RMBR whereas the detailed description specifies SBR technology; it is required to adopt only SBR technology or any suitable / modern technology meeting the specified outlet parameters (BOD, TSS, NH ₃ -N) is acceptable.	The bidders are free to adopt any latest, proven and approved treatment technology to meet the client's requirement and the outlet parameters shall be achieved as per Hon. NGT directives and conditions of the consent to establishment. The bidders are requested to refer to the clause no. 11 on Pg. No. 730, Volume- IV technical specifications.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
				<p>Chlorinator Room/Shed, Sludge Centrifuge necessary piping work with required valves, gates, drains, pathways Administration Block cum Laboratory, Laboratory Equipment's, Tools and Plants, Spare Parts, etc. complete as turnkey job with all involved civil, electrical and mechanical works including HT Substation, Transformers, DG Sets, Metering cubical, Instrumentation works etc. as per specification inclusive of following items, units as per detailed specification for civil, electrical and mechanical components with all duties and taxes, etc. complete to achieve BOD < 5 ppm, COD < 100 ppm, TSS < 10 ppm, to get recyclable quality of water for industrial / agricultural purposes. (In Case Cyclic activated sludge plant is designed for N, P outlet parameters shall also include TN < 10 ppm, Nh3N < 2 ppm and TP < 1 ppm)</p>		

3. M/s. EUROTECK Environmental P. Ltd.

Sr. No.	Vol / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
1.		Page 4 of 119	Cl. 1.01	Complete to achieve BOD < 5 ppm, COD < 100 ppm, TSS < 10 ppm, to get recyclable quality of water for industrial / agricultural purposes. (In Case Cyclic activated sludge plant is designed for N, P outlet parameters shall also include TN < 10 ppm, Nh3N < 2 ppm and TP < 1 ppm)	The design parameters are not explicitly defined as per prevailing NGT and CPCB norms, we request you to kindly specify the inlet and outlet parameters.	The bidders are requested to refer to the Pg. No. 7 of Schedule of the works Volume-II and Pg. No. 425 of technical specifications Volume-4 A for details and Addendum.
2.	Volum e-4	Page 149 of 909	Clause. 2.	A Sewage Treatment Plant (STP) of 21.00 MLD capacities on Moving Media Bio-Reactor (MMBR) / Sequential Batch reactor/ Membrane Bio-Reactor/ RMBR / any other advanced technology including its operation for one year and trial run of 6 months after satisfactory commissioning. The chemicals and the electrical energy charges will be paid by the contractor should apply the labours free of cost.	With reference to the tender documents for the STP project, we observe a discrepancy in the stated plant capacity. As per the general tender requirement, the STP capacity is indicated as 26 MLD, whereas in a specific clause, it is mentioned as 21 MLD. This appears to be a typographical error. To avoid any ambiguity, we request you to kindly confirm the correct design capacity of the STP.	The sewage treatment plant capacity for District 04 i.e. tender ID No. 2026_TMC_1295009_1 is 21.00 MLD and for District 05 i.e. Tender ID No. 2026_TMC_1295009_3 is 26.00 MLD.
3.	Volum e-4	Page 155 of 909,	Clause. 1.3.5.,	The air quality and quantity required shall be sufficient for maintaining minimum 2 PPM necessary dissolved oxygen at 30°	Considering typical Indian climatic conditions, the ambient sewage temperature is generally around 24 °C. In light of this, we request that the specified	The design shall be suitable to meet climatical conditions within the project area / TMC limit as per CPCB guidelines and perform to satisfy

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				C liquid temperatures at all times & mixing conditions at 10000 mg/lit MLSS whichever is more.	temperature parameter be amended accordingly to reflect site-specific conditions. This will ensure the design basis aligns with actual operating conditions and prevailing norms.	conditions of Consent to establishment.
4.	Volum e-4	Page 155 of 909,	Clause. 1.3.5.,	The diffusers used shall be suitable for coarse bubble air diffusion & for design Purpose O2 transfer efficiency shall be considered not more than 17%.	Since OTR efficiency is inherently dependent on the manufacturer's system design and tank depth, we request your permission to consider OTR values in accordance with the bidder's/OEM design, in line with the open-technology approach adopted in this tender.	As per NIT.
5.	Volum e-4	Page 155 of 909,	Clause. 1.3.7.,	The conventional secondary clarifier or Clarifier with tubes shall be provided. Each Plant shall be one clarifier and designed at 10 - 15 M ³ / M ² / Day surface loading.	With reference to the tender specifications for the clarifier units, we respectfully request that the Surface Overflow Rate (SOR) be adopted in accordance with the CPHEEO Manual on Sewerage and Sewage Treatment, as it is widely recognized and recommended for sewerage and sewage treatment projects across India.	The bidders are requested to design the Sewage treatment plant as per the CPHEEO manual (contractors own design) and get it verified from the third party (IIT/ Government Engineering College) prior to commencement of the work. Please refer Cl. No. 05 Pg. No. 28 & Cl. No. 29 on Pg. No. 64 of Volume-I – General Conditions of Contract.
6.	Volum e-4	Page 168 of 909,	Clause. 3.5 & 3.6.,	3.4. The level at the inlet of raw sewage pipe at the inlet of Stilling Chamber shall be 4.0 m above NGL. 3.5. The level in the Chlorine Contact Tank shall be minimum 3.0	Since the STP inlet and outlet are to be designed taking into account the High Flood Level (HFL) of the receiving water body/drain, we request you to allow to adopt these levels based on the bidder's design and site-specific hydraulic	The successful bidder has to carry out the survey and submit the hydraulic and structural design (contractor's own design) after obtaining the permissions from Coastal regulatory authority, State

Sr. No.	Vol / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification																																
				m above NGL.	calculations.	Pollution Control Board, Hon. NGT.																																
7.	Volum e-4	Page 426 of 909,		<table border="1"> <tr> <td>1</td> <td>pH</td> <td>:</td> <td>5.5 to 9.0</td> </tr> <tr> <td>2</td> <td>Biochemical Oxygen Demand (BOD₅)</td> <td>:</td> <td>= 10 mg/l</td> </tr> <tr> <td>3</td> <td>Chemical Oxygen Demand (COD)</td> <td>:</td> <td>= 50 mg/l</td> </tr> <tr> <td>4</td> <td>Total Suspended Solids (TSS)</td> <td>:</td> <td>= 10 mg/l</td> </tr> <tr> <td>5</td> <td>Total Kjeldahl Nitrogen (TKN)</td> <td>:</td> <td>= 2 mg/l</td> </tr> <tr> <td>6</td> <td>Total Phosphorous (TP)</td> <td>:</td> <td>= 10 mg/l</td> </tr> <tr> <td>7</td> <td>Oil & Grease</td> <td>:</td> <td>= 2 mg/l</td> </tr> <tr> <td>8</td> <td>Fecal Coliform</td> <td>:</td> <td>230 MPN/100 ml</td> </tr> </table>	1	pH	:	5.5 to 9.0	2	Biochemical Oxygen Demand (BOD ₅)	:	= 10 mg/l	3	Chemical Oxygen Demand (COD)	:	= 50 mg/l	4	Total Suspended Solids (TSS)	:	= 10 mg/l	5	Total Kjeldahl Nitrogen (TKN)	:	= 2 mg/l	6	Total Phosphorous (TP)	:	= 10 mg/l	7	Oil & Grease	:	= 2 mg/l	8	Fecal Coliform	:	230 MPN/100 ml	The defined parameter appears to be ambiguous in relation to NGT and CPCB norms. Kindly clarify the inlet and outlet parameters to be considered.	The inlet parameters shall be as per Addendum and outlet parameters shall be strictly followed and maintained for next 60 months after satisfactory commissioning of the plant as per the directives of Hon. NGT/ MPCB / consent to establishment and Addendum.
1	pH	:	5.5 to 9.0																																			
2	Biochemical Oxygen Demand (BOD ₅)	:	= 10 mg/l																																			
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7	Oil & Grease	:	= 2 mg/l																																			
8	Fecal Coliform	:	230 MPN/100 ml																																			
8.	Volum e-4	Page 528 of 909,	Clause 1.8.20- Disinfection System List	For Disinfection system UV system shall be included	With reference to the tender documents, we note that while the technical specifications for the UV disinfection system are provided, the list of approved makes is not included. In this regard, we request you to kindly consider and approve our proposed make for the UV system: Euroteck - Biotec.	As per NIT.																																

4. M/s. Genius Infra Engineering Pvt. Ltd. Jodhpur

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1.	Volume-I	Pg. No. 19 of 174	Cl. No. 5 e)	Pre-qualification Criteria: The Bidder should have net worth 8% of tender cost of continues 3 years from the financial year, In which he desires to take work.	With reference to the tender condition stating We respectfully request the Authority to kindly consider an average net worth of 8% over the last three (3) financial years,	As per NIT.

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					instead of requiring a minimum net worth of 8% in each individual financial year.	
2.	Volume-I	Pg. No. 16 of 174	6.2 d)	Pre-qualification Criteria: FOR Pumping Machinery installation i) 311 HP (232 kW) and above capacity submersible non-clog pumping machinery.	With reference to the tender clause: Kindly clarify whether the specified 311 HP (232 kW) capacity refers to a single pump capacity or the cumulative capacity or multiple pumps.	The bidders shall have experience of installation Sewage pumping machinery (non-clog) having cumulative installed capacity of 311 HP / 232 kW in single work/ contract (Single or Multiple pumps in single contract).
3.	Volume-I	Pg. No. 16 of 174	6.2 d)	Pre-qualification criteria: FOR POWER Supply i) 265 kVA and above transformer / substation. ii) 200 KVA for a 22/11KV supply comprises of Transformer / Compact substation.	With reference to the tender clause: Kindly clarify whether the specified capacities of 265 kVA and 200 kVA for transformer/substation are to be considered as individual (single unit capacities), or whether transformers/substations of lower individual capacities installed cumulatively to meet the required capacity shall also be considered for eligibility.	The bidder shall have experience of installation of transformer/ substation having capacity 260 kVA and 200 kVa as a single transformer / substation or multiple transformers in a single work / contract (Single or Multiple pumps in single contract).
4.	Volume-I	Pg. No. 16 of 174	6.2 e) a) & c)	Pre-qualification criteria: FOR Automation / SCADA a) Bidder shall be Contractor or manufacturer or authorized dealer or system integrator for all types of sensors required for automation or SCADA, like Pressure transmitters,	With reference to the tender clause: Kindly clarify the requirement of 50% of required annual maintenance period," as No specific O & M/maintenance duration has been defined in the tender document; in absence of a stipulated O& M period, it	The bidder shall have experience of installation of SCADA automation as well as shall have experience of operation and maintenance for the 50% period. The performance run and the trial run stipulated is 06 + 12 months

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				level transmitter, PLC integration, Energy monitoring systems, PLC based control monitoring and communication systems, flow meters and water quality parameters (inlet and outlet effluent parameters) etc. b) 50% of required annual maintenance period.	is unclear how the 50% criteria shall be evaluated for eligibility.	i.e. 18 months and the bidder shall have experience of O & M for the period of 09 months minimum.
5.	Volume-I	Pg. No. 29 of 174	Cl. No. 14	Scope and meaning of the contract: The Thane Municipal Corporation Thane urban local body of Government of Maharashtra has proposed to execute the following work under sanctioned scheme AMRUT-2.0 Mission (Central Government Funded Project) of Diva and Shil area of TMC, Thane Tal. Thane, Dist. Thane	With reference to the tender clause: Kindly clarify the detailed funding pattern under the AMRUT-2.0 Mission for the subject project, specifying the share of Central Government assistance and the contribution of Thane Municipal Corporation/State Government , and confirm whether the funds have been formally sanctioned, allocated, and are currently available for execution of the work.	The said work is sanctioned under Central and State Government funded projects under AMRUT-2.0.
6.	–	–	–	General : Survey	Kindly provide the KML/KMZ file of the project area/alignment, as the same is essential for accurate assessment and effective preparation of the bid.	Please refer Volume-III Drawings for conceptual layout and tender drawings.
7.	Volume-II Schedule of Works	Pg. No.4 of 132	–	STP Technology: Cyclic Activated Sludge Process / Moving Media Bioreactor / Membrane Bio Reactor / RMBR Designing, providing, constructing, hydraulic testing, commissioning and	Kindly clarify the applicable STP technology for the project, as the heading mentions CSAP/MMBR/MBR/RMBR whereas the detailed description specifies SBR	The bidders are free to adopt any latest, proven and approved treatment technology to meet the client's requirement and the outlet parameters shall be achieved as

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				giving satisfactory trials of STP based on SBR technology with SCADA & Automation and consisting of Inlet Chamber, Screen Chamber, Detritus Tanks, Distribution Chamber and Biological CASP Basins, Sludge Sump, Chlorine Contact Tank, Chlorinator Room/Shed, Sludge Centrifuge necessary piping work with required valves, gates, drains, pathways Administration Block cum Laboratory, Laboratory Equipment's, Tools and Plants, Spare Parts, etc. complete as turnkey job with all involved civil, electrical and mechanical works including HT Substation, Transformers, DG Sets, Metering cubical, Instrumentation works etc. as per specification inclusive of following items, units as per detailed specification for civil, electrical and mechanical components with all duties and taxes, etc. complete to achieve BOD < 5 ppm, COD < 100 ppm, TSS < 10 ppm, to get recyclable quality of water for industrial / agricultural purposes. (In Case Cyclic activated sludge plant is designed for N, P outlet parameters shall also include TN < 10 ppm, Nh3N < 2 ppm and TP < 1 ppm)	technology; it is required to adopt only SBR technology or any suitable / modern technology meeting the specified outlet parameters (BOD, TSS, NH ₃ -N) is acceptable.	per Hon. NGT directives and conditions of the consent to establishment. The bidders are requested to refer to the clause no. 11 on Pg. No. 730, Volume- IV technical specifications.

5. M/s. Sandesh D. Butala, Dombivali

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
1.	Volume-I	Pg. No. 14 of 174	Detailed Tender Notice Cl. 05.	Last date of submission – 27/04/2026	Considering that multiple large-value tenders have been issued at the same time, bidders are required to arrange a substantial number of supporting documents including technical credentials, financial statements, certifications, and statutory approvals. The process of arranging, validating, and certifying these documents requires considerable time; hence, we request an extension of bid submission period by at least 3 to 4 weeks.	As per corrigendum
2.	Volume-I	Pg. No. 11 of 174	Detailed Tender Notice Cl. 01.	Tender fee and EMD shall be paid by 1. SBI Net Banking or 2. Other Bank Internet Bank MOPS.	We request that the authority should permit submission of Earnest Money Deposit in the form of FDR or Bank Guarantee, which will ease financial burden and is in line with standard Tendering practices.	As per NIT.
3.	Volume-I	Pg. No. 60 of 174	Special conditions of Contract Cl. No. 23	Conditional Scope Linked to Land Availability	It is also requested that Thane Municipal Corporation should clearly declare the land acquisition status of all proposed Sewage Treatment Plants (STP's) and pumping stations so that bidders can assess execution feasibility and risks before quoting.	Bidders are requested to refer to the clause no. 23 of Special Conditions of Contract- Volume I Pg. No. 60 & 61 about the status of the land and Addendum.
4.	Volume-I	–	–	General	Since the project is located in Diva area, where issues such as encroachments, land disputes, and law & order challenges have been observed in past works, it is requested that the authority should clarify anticipated risks, mitigation measures, and extent of	The administrative support will be extended by TMC from time to time and critical difficulties and these will be handled amicably in order to complete the work in stipulated time frame. If in case issue is beyond

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
					administrative support. It may also be clearly specified whether extension of time and cost compensation will be granted for delays beyond contractor's control.	control of TMC, extension of the time limit will be granted.

6. HIRANI ENTERPRISES BORIVALI, MUMBAI

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
1	Volume-I	Pg. No. 19	Cl. 7	Detailed Tender Notice	The provision of joint venture participation should be governed strictly as per Government Resolution dated 20/05/2002 applicable to Municipal Corporations and MJP. Any deviation may lead to ambiguity; hence clear adherence is requested.	The Bidder can execute Joint venture agreement as per the prescribed format with One Lead Bidder + 2 Joint Venture partners, wherein the Lead Bidder shall have more than 50% contribution.
2	Volume-I	Pg. No. 22	Cl. 10	Pre tender conference	Prior to submission of the bid, a joint site inspection should be conducted with participation of bidders and TMC officials so that actual site conditions including alignment, obstructions, and accessibility can be properly understood. This inspection should be supported by geo-tagged certification and made mandatory for submission.	The bidders are requested to carryout site visit and get themselves acquainted with the site conditions.
3	-	-	-	General	The project location being Diva, known for frequent local disturbances such as encroachments, land disputes, and other social issues, requires clear risk allocation. The authority is requested to specify action plans, administrative support, and provisions for extension of time and	The administrative support will be extended by TMC from time to time and critical difficulties and these will be handled amicably in order to complete the work in stipulated time frame. If in case issue is beyond control of TMC, extension

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					cost compensation for delays beyond contractor's control.	of the time limit will be granted.

7. M/s. MAA MUMBRA DEVI ENTERPRISES, THANE

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
8.	Volume-I	Pg. No. 14 of 174	Detailed Tender Notice Cl. 05.	Last date of submission – 27/04/2026	Due to the simultaneous release of multiple large scale tenders, bidders are required to prepare extensive documentation which involves coordination with multiple agencies for certification and validation. This process can be completed in short duration; hence extension of submission.	As per corrigendum
9.	Volume-I	Pg. No. 11 of 174	Detailed Tender Notice Cl. 01.	Tender fee and EMD shall be paid by 1. SBI Net Banking or 2. Other Bank Internet Bank MOPS.	It is requested that EMD submission in the form of FDR or Bank Guarantee should be permitted, as it is a standard and widely accepted practice in similar government tenders.	As per NIT.
10.	Volume-I	Pg. No. 22 of 174	Detailed Tender Notice Cl. 10.	The joint site visit of the project area shall be arranged immediately after the pre bid meeting if required in presence of prospective bidders in order to understand the site Conditions and acquaintance.	Before submission of bid, it is essential that bidders along with TMC representatives carry out a joint site visit to understand the exact site conditions, constraints, and accessibility. This visit should be documented through geo-tagged certification, and such certificate should be made mandatory for submission along with the bid.	The bidders are requested to carryout site visit and get themselves acquainted with the site conditions.
11.	Volume-I	Pg. No.	Special	Conditional Scope Linked to	The authority is requested to disclose land	Bidders are requested to refer to the

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
		60 of 174	conditions of Contract Cl. No. 23	Land Availability	acquisition status for all critical components such as STP's and pumping station's to avoid uncertainty during execution stage.	clause no. 23 of Special Conditions of Contract- Volume I Pg. No. 60 & 61 about the status of the land.

ADDITIONAL DEPARTMENT CLARRIFICATION

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification Bidders Query	Clarification
1.				Permissions for road cutting, State Pollution Control Board, Indian Railways, and National Highway Authority:	The bidder shall obtain the permissions from State Pollution Control Board, Indian Railways, National Highway Authority, Public Works Department Maharashtra State and any other government authority as applicable and necessary to complete the work in all respect. The necessary technical support will be provided and the official fees to be paid shall be paid by the Thane Municipal Corporation. The contractor shall have to follow up and get the permissions. The permissions from the Coastal regulatory Authority shall be obtained as per the requirement. The consent to establishment and consent to operate shall be obtained by the contractor from the State Pollution Control Board. It is the sole responsibility of the contractor to follow directives of Hon. National Green Tribunal as applicable, directives received from State Government and State Pollution Control Board.
2.				Survey Investigation and approval from third Party	The contractor has to carry out the topographical survey, geological investigation and design of the components in this bid as per the schedule of the works and get it approved from the engineer in charge. Once the engineer in charge approves the preliminary hydraulic and structural design, it is the sole responsibility of the contractor to get the approval from IIT Mumbai of all the components (hydraulic and structural design approval). The vetting charges shall be paid by the contractor and no extra payment shall be entitled.
3.				Time extension for delay in land acquisition	In the event that any SPS/STP site becomes unavailable due to reasons beyond the

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification Bidders Query	Clarification																		
					control of the Employer, the Employer reserves the right to omit, modify, or relocate such components of work in accordance with applicable contract provisions. Such omission or modification shall be governed by standard contract conditions and shall not entitle the Contractor to any claim																		
4.				Sewage Treatment Plant on SBR/ Cyclic Activated Sludge process / I-SBR/ MBR/ RMBR:	The bidders are free to select any proven approved process technology which is robust, proven, approved by the CPHEEO, requires less foot print area, can absorb the shock loads and shall assure the outlet parameters in worst scenario. The technology proposed shall be robust, shall assure the outlet parameters, Economical, lesser space requirement, lesser power consumption. The STP item is on lump sum basis which comprises of the complete primary, secondary process including disinfectant and necessary supporting structures in order to complete the work in all respect. This shall be inclusive of development of road network, administrative building, transformer sub-station, blower room, RMU and allied electrical works including landscape development etc. complete in all respect																		
5				Inlet and outlet parameters	<p>Inlet parameters to be considered for design purpose:</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Range in which plant shall give Satisfactory performance</th> <th>Design value</th> </tr> </thead> <tbody> <tr> <td>BOD₅ at 20 °C</td> <td>150 - 250 mg/l</td> <td>250 mg/l</td> </tr> <tr> <td>Suspended solids</td> <td>250 - 550 mg/l</td> <td>550 mg/l</td> </tr> <tr> <td>COD</td> <td>300 - 700 mg/l</td> <td>450 mg/l</td> </tr> <tr> <td>Oil and Grease</td> <td>15 - 35 mg/l</td> <td>35 mg/l</td> </tr> <tr> <td>Faecal coli forms</td> <td>1 x 10⁷ MPN/100 ml</td> <td>1 x 10⁷ MPN/100 ml</td> </tr> </tbody> </table> <p>Outlet Parameters: The bidder has to design the plant in order to achieve the outlet parameters before disposal / end use as per Hon. NGT order dated 30th April 2019 or its latest amendment and conditions shall be strictly followed as per the consent to</p>	Parameters	Range in which plant shall give Satisfactory performance	Design value	BOD ₅ at 20 °C	150 - 250 mg/l	250 mg/l	Suspended solids	250 - 550 mg/l	550 mg/l	COD	300 - 700 mg/l	450 mg/l	Oil and Grease	15 - 35 mg/l	35 mg/l	Faecal coli forms	1 x 10 ⁷ MPN/100 ml	1 x 10 ⁷ MPN/100 ml
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Sr. No.	Volume / Section	Page No.	Cl. No.	Specification Bidders Query	Clarification														
					<p>establishment obtained from the State Pollution Control Board. The outlet parameters as per Hon. NGT Order dated 30th April 2019 for reference purpose only.</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Outlet value</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>5.50 – 9.00</td> </tr> <tr> <td>Total suspended Solids</td> <td>< 20 mg/l</td> </tr> <tr> <td>BOD</td> <td>< 10 mg/l</td> </tr> <tr> <td>COD</td> <td>< 50 mg/l</td> </tr> <tr> <td>Oil & grease</td> <td>< 10 mg/l</td> </tr> <tr> <td>MPN</td> <td>< 230 for 100 ml</td> </tr> </tbody> </table>	Parameters	Outlet value	pH	5.50 – 9.00	Total suspended Solids	< 20 mg/l	BOD	< 10 mg/l	COD	< 50 mg/l	Oil & grease	< 10 mg/l	MPN	< 230 for 100 ml
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6				Disposal of treated waste water	It is essential to follow the directives of the State / Central Pollution Control Board, Hon. National Green Tribunal, for the disposal of the treated waste water. The BOD, COD, TSS, E Coli, N, P, K contents and other parameters shall be strictly followed. The treated sewer outfall shall be kept 0.60 m above highest flood level (HFL).														
7				Piling work and Foundation for STP:	The piling has to be carried out due to soil conditions / site conditions. The pile foundation is considered due to foundation condition. The Pile cap shall be below the ground level and Pile Cap shall be considered as Footing for the Column. The payment for Pile cap shall be paid from the STP work (as completed item) as per the schedule of the work and payment up to Pile top including chipping shall be paid from the Pile Foundation item as per B-1 form (measurable basis). The payment up to Pile top (below Pile cap shall be paid from the Pile foundation item payment for foundation i.e. Pile cap complete depth shall be paid from STP as foundation). The ring beam at ground level shall be paid from STP foundation Item. The grade of the concrete for pile cap shall be followed as per the approved structural design.														
8.				Micro tunnelling work	The micro tunnelling work is proposed, the need and necessity shall be verified by the														

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					engineer in charge and then only the micro tunnelling work shall be commenced.
9				Velocity and the depth of sewer lines	The velocity and the depth of the proposed sewerage network shall be strictly followed as per CPHEEO manual and necessary provisions shall be made as per IS code
10				The UTWT road pavement	The UTWT road pavement in M-60 grade is proposed on the existing road surfaces. The contractor shall take approval from the engineer in charge for M-60 grade road pavement prior to commencement of the work.
11.				Power charges, chemicals and consumables	The contractor is responsible for satisfactory completion and commissioning of the work including 6 months performance run and 12 months trial run. The chemical charges and manpower charges shall be paid by the contractor during performance run period and power charges shall be paid by the client. The power charges and chemicals and consumables shall be supplied by the Client (TMC) during trial run period of 12 months. The manpower and major and minor repair / replacement charges shall be paid by the contractor during trial run period.
13				The pump floor level, transformer sub-station level for pumping station and access level for the STP	The contractor has to take prior permission from Water Resources Department / Coastal Regulatory Authority prior to commencement of the work of STP and pumping stations. The pump floor level, transformer sub-station level for pumping station and access level for the STP shall be minimum 2.00 m above HTL/ HFL or as per the permissions obtained from the respective department. The said components (i.e. STP and SPS) shall be accessible during the flood occurrence.
14				Property survey	The contractor has to carryout property survey for the proposed sewer connections under this project and gets it approved from the engineer in charge along with the drawing. The drawing shall be strictly followed as per the approved drawing and the drawing (in auto-cad format) shall be approved by the engineer in charge prior to commencement of the work.
15				Precast Manhole,	SRFC manhole covers and frames conforming to IS specifications of 560 mm dia. shall be

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				Manhole Frame & Covers:	provided and fixed by the contractor. The frame shall be embedded / fixed in the manhole slab in CC M-15 as per specifications. Colour of the frame and manhole cover shall match with the colour of the footpath. The precast manhole shall be strictly as per applicable IS code specification and shall sustain the weather impacts and suitable for tidal impacts. The contractor shall allot unique identity number to each manhole and the number shall be submitted along with the as built drawing.
16.				Miscellaneous:	<ul style="list-style-type: none"> ➤ Protection of underground utilities is the responsibility of the contractor. ➤ During the execution of work, it is likely that the contractor may meet with telephone cable, electrical cables, water supply lines, effluent pipe line, oil pipe line, gas lines etc. it will therefore be the responsibility of the contractor to protect them carefully. All such cases should be brought to the notice of the City Engineer by the contractor and also to the concerned Department. Any damage whatsoever done to these cables and pipe lines by the contractor shall be made good by him at his cost. The rates quoted by contractor shall cover this aspect in tender. ➤ CCTV inspection: The CCTV inspection shall be carried out at some places (approximately up to 10%) as directed by engineer in charge, so as to assure the proper grade and workmanship of sewer line. The rates for CCTV inspection are deemed to be covered in the offer by the contractor and no extra payment shall be entitled. ➤ All reinforcement used in construction work must be fusion bonded epoxy coated bars or as per the schedule of the works. ➤ Third party insurance shall be in bidder's scope and charges shall be paid as per tender condition. ➤ RPM of pumps should be maximum 1450 rpm. (It should confirm to head, discharge and efficiency etc.)

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					<ul style="list-style-type: none"> ➤ The MSEDCL charges for connection at STP, SPS and BPS (for HT & LT) site is considered based on the previous experience, however the contractor has to carry out the survey along with TMC officials and State Power Supply Company and quotation shall be obtained before commencement of the work. The actual payment on this account shall be made to the contractor on receipt of the payment receipt. ➤ The pumping machinery proposed under this work for sewage pumping station shall be non-clog submersible pumps of BIS / international standard approved make as per the model guidelines of AMRUT-2.0. It is essential to provide the By-Pass provision near screen chamber of each pumping station / booster pumping station with cooling jacket wherever applicable. The by-pass provision shall be made with valves / gates so that wet well can be cleaned in dry conditions. ➤ The SCADA, Automation, pumping machinery and all electro-mechanical components supplied under this contract shall have defect liability period of 5 years after satisfactory commissioning of the work. ➤ The instruments (Mechanical and electrical) which are proposed under this tender shall be rested on RCC platform and the slab, beams / columns / foundation of the instruments which are proposed shall be designed for shock loads, dynamic loads, static loads and live load as per the applicable IS code. ➤ The electrical and mechanical works proposed under this tender shall be executed as per the Indian Electrical Regulatory authority and shall be strictly followed.
				Electrical Works	The scope of contractor for electric works will start from point supply of MSEDCL/concerned authority to RMU / Sub-Stations within the project boundary and further distribution to individual panels / equipment's terminals by providing sub panels.

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					<p>The entire pumping station will be operated on dual ratio 22-11/-0.433 KV transformer.</p> <p>Laying of 22 KV, as per the required / suitable sizing and as per the schedule of the cable of the works, cable from point of supply to the RMU / Sub-Stations within the project boundary. HT/LT cables shall be provided depending on working load proposed. Cable shall be laid at 1.5m depth in sand bed and protective bricks with cable proof markers as per standard installations practices. Licensing works with power supply authority shall be included in scope of bidder.</p> <p>For tender purpose, approximate length of cable shall be considered as per the schedule of the work. If length exceeds, bidder shall quote as per running meters for cable laying. Payment shall be given to bidder as per actual cable laid from point of supply to transformer. The electrical system proposed for the pumping station shall include the following components (as applicable for the said project and as per the directives of engineer in charge / TMC authorities finalised by the Electrical Department and State Power Distribution Company)</p> <ul style="list-style-type: none"> ➤ 415V Switchgear. ➤ Metering unit. ➤ 415V TPN Bus Duct. ➤ Transformer Yard. ➤ Motor Starters, local push button stations. ➤ Earthing system and Safety equipments. ➤ Cables and cabling system. ➤ Internal lighting and area lighting. <p>The cabling work shall be done by providing proper cable trays. The scope also includes indoor /outdoor lighting system as well earthing & safety equipment. The execution</p>

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					should take care of I.E. rules, Electricity Board's requirement and other local authorities and site condition.

Corrigendum:

1. **Extension of time limit for submission of the Bid:** The tender documents can be downloaded from website <https://mahatenders.gov.in> till 25th May 2025 up to 16.00 hrs. Online tenders submission date is extended up to 25th May 2026 up to 16:00 Hrs and the tenders will be opened in presence of the bidder or his authorized representative on 26th May 2026 at 17:00 Hrs if possible.

2. **Similar work-**

Sr no.	As per NIT	As per addendum
1.	The similar works comprises of the designing, construction, commissioning of works pertaining to sewerage system which shall include collection conveyance system, construction of STP, Pumping Station (APS/SPS/MPS) / Booster Pumping Station and allied works including operation and maintenance	The similar works comprises of the designing, construction, commissioning of works pertaining to sewerage system which shall include collection conveyance system, construction of STP, Pumping Station (APS/SPS/MPS) / Booster Pumping Station and allied RCC works including operation and maintenance

Sd/-

City Engineer

Thane Municipal Corporation, Thane