



**Thane Municipal Corporation, Thane
Drainage Department
Tender No. TMC/PRO/DRAINAGE/06/2026-27
dated 02/04/2026
Tender ID No: 2026_TMC_1295009_2**



Nalla interception of the various nallas in Thane Municipal Corporation area & Necessary arrangement for diversion of nalla water into sewer line.

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 (M/s 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. K E Infrastructure Pvt. Ltd., Thane
2. M/s Genius Infra Engineering Pvt. Ltd., Jodhapur
3. M/s Popular Enterprises, Mumbai
4. M/s. Euroteck Environmental (P) Ltd.
5. M/s WTE Infra Projects Pvt. Ltd., Pune
6. M/s. RPS Infra Pvt. Ltd.
7. M/s. KSB Limited
8. M/s. Krystal Integrated services Limited, Mumbai

Reply to the various queries raised by the bidders for the work of Nalla interception of the various nallas in Thane Municipal Corporation area & Necessary arrangement for diversion of nalla water into sewer line 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: - Nalla interception of the various nallas in Thane Municipal Corporation area & Necessary arrangement for diversion of nalla water into sewer line.

Tender ID: 2026 TMC 1295009 2

Date of the Pre bid-Meeting: 20-04-2026 at 11:30 am

Drainage Department.

1. M/S. GENIUS INFRA ENGINEERING PVT. LTD.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
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, instead of requiring a minimum net worth of 8% in each individual financial year.	As per NIT.
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.	As per NIT.
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	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	As per NIT.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
				substation.	transformers/substations of lower individual capacities installed cumulatively to meet the required capacity shall also be considered for eligibility.	
4.	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>	As per NIT.
5.	Volume-I	Pg. No. 29 of 174	Cl. No. 14	<p>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</p>	<p>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</p>	The said work is sanctioned under Central and State Government funded projects under AMRUT-2.0.

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					formally sanctioned, allocated, and are currently available for execution of the work.	
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 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	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.	As per NIT.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
				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)		

2. M/S. WTE INFRA PROJECTS PVT. LTD.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
1.	Volume-I	Pg. No. 10 of 147		Pre-qualification Criteria: The agency shall have experience successful completion/commissioning of works of major quantities of work as listed below with any Govt / Semi Govt. / corporation or equivalent organization. The experience of each work should be under single agreement. The Pre-Qualification criteria should be fulfilled and required certificates must be in a single year of last 5 years.	The agency shall have experience successful completion / commissioning of works of major quantities of work as listed below with any Govt / Semi Govt. / corporation or equivalent organization / Sublet Work but end customer should be Government. The experience of each work should be under single agreement. The Pre-Qualification criteria should be fulfilled and required certificates must be in a	As per NIT.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
					single year of last 5 years.	
2.				General time extension	We request you kindly give 1 week time extension for bid submission	As per corrigendum

2. M/S. KRYSTAL INTEGRATED SERVICES LIMITED.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
1.	Volume-I	Pg. No. 6	Detailed Tender Notice Cl. 01.	Tender fee and EMD shall be paid by 1. SBI Net Banking or 2. Other Bank Internet Bank MOPS.	Kindly allow the Earnest Money Deposit (EMD) to be submitted in the form of a Bank Guarantee (BG).	As per NIT.
2.	Volume-I	Pg. No. 10	Detailed Tender Notice Cl. 01.	The agency shall have experience successful completion/ commissioning of works of major quantities of work as listed below with any Govt./Semi Govt./ corporation or equivalent organization. The experience of each work should be under single agreement.	Please consider the agency shall have experience successful completion and commissioning of the Similar works listed below with any Govt./ Semi Govt./corporation or equivalent organization. Kindly allow this experience in multiple agreement.	As per NIT.
3	Volume-I	Pg. No. 15	Detailed Tender Notice Cl. I.	Qualifying factors to be met collectively: (i) annual turnover from construction; (ii) particular construction experience and key production rates; (iii) construction cash flow for the subject contract; (iv) personnel capabilities; and (v) equipment capabilities;	Any of the JV partner must meet the particular construction experience criteria mentioned in prequalification Criteria in page no 15. Request to kindly consider.	As per NIT.

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification	Bidders Query	Clarification
4	Volume-I	Pg. No. 45	General Condition of Contract Sr. No 70	Mobilization Advance will not be granted.	We request you to kindly allow Mobilization Advance for this project, as it will help the contractor to arrange initial resources, manpower, materials, and site setup effectively.	As per NIT.
				Request for Extension of submission	We hereby requested to you Please extend the validity of submission from 27th April 2026 to till 7th May 2026.	As per corrigendum

ADDITIONAL DEPARTMENT CLARIFICATION

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification Bidders Query	Clarification
1	Volume-IV			Volume-IV Technical Specifications	The technical specifications as applicable for this bid are uploaded on online portal as Corrigendum. The bidders are requested to refer to these technical specifications for this bid.
2	Volume-I			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. 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

Sr. No.	Volume / Section	Page No.	Cl. No.	Specification Bidders Query	Clarification
					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.
3	Volume-I			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 preliminary approves the 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.
4	Volume-I			Time extension for delay in land acquisition	In the event that any SPS/STP site becomes unavailable due to reasons beyond the 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.
5	Volume-I			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-

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					station, blower room, RMU and allied electrical works including landscape development etc. complete in all respect.																																
6	Volume-I			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 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	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	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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7	Volume-I			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 minimum 0.60 m above highest flood level (HFL).
8	Volume-I			Micro tunnelling work	The micro tunnelling work is proposed, the need and necessity shall be verified by the engineer in charge and then only the micro tunnelling work shall be commenced.
9	Volume-I			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	Volume-I			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	Volume-I			Power charges, chemicals and consumables	The contractor is responsible for satisfactory completion and commissioning of the work including 6 months trial run. The power charges, chemical charges and manpower charges shall be paid by the contractor during trial run period.
12	Volume-I			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.
13	Volume-I			Precast Manhole, Manhole Frame & Covers	SRFC manhole covers and frames confirming to IS specifications of 560 mm dia. shall be 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

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					number shall be submitted along with the as built drawing.
14	Volume-I			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.) ➤ 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

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					<p>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.</p> <ul style="list-style-type: none"> ➤ 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. <p>The electrical and mechanical works proposed under this tender shall be executed as per the Indian Electrical Regulatory authority and shall be strictly followed.</p>
15	Volume-I			Electrical Works	<p>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. The entire pumping station will be operated on dual ratio 22-11/-0.433 KV transformer.</p> <p>Lying 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</p>

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

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 successful Designing, construction & commissioning of RCC Nalla/ RCC Nalla Bedding work, Sewer conveyance system, construction of Pumping stations/ Booster Pumping station, Construction of a Sewerage Treatment Plant.	The similar works comprises of successful Designing, construction & commissioning of Nalla interception work including sewerage system/ Sewer conveyance system, construction of Pumping stations/ Booster Pumping station, Construction of a Sewerage Treatment Plant.
2	The Contractor shall have experience of successful completion of work of pipe of 600 mm and above diameter for Micro-tunnelling / crossing.	The Contractor shall have experience of successful completion of work sewer line of 200 mm and above diameter with suitable trenchless technology.

Sd/-
City Engineer
Thane Municipal Corporation, Thane