

Vasai Virar City Municipal Corporation
(V.V.C.M.C Head Office) Opp. Virar Police Station, Bazaar ward, Virar
East, Maharashtra 401305

Quotation Notice

Name of Project :- “Underground Sewerage System For Zone-3 of Nallasopara (E) Area In VVCMC ”.

Notice No: जा.क्र.वविशम/शअ/७६६/२०२२ दि.१७/११/२०२२

We are hereby issuing this Notice inviting quotation from developers, contractors, vendors & suppliers for various works proposed under “**Underground Sewerage System for Zone-3 of Nallasopara (E) Area in VVCMC**”.

You are therefore requested to submit the budgetary rates for below mentioned works to related Department from 17/11/2022 to 21/11/2022 till 03.00 pm .

Sr. No	Item Description	Unit	Qty	Item Rate (Rs.)	Amount (Rs)
1)	Process Design and Detail Engineering of STP with advance technology minimum technically specifications mentioned below & effluent discharge parameter as per the NGT norms for the proposed Sewage Treatment Plant with all duties and taxes, etc. complete accessories and offer Extended warranty for 15 yrs. The Inlet Influent for the STP shall be the domestic sewage. The Treated water shall be utilised for non-domestic purpose like Gardens, flushing and Industrial process.				
a)	STP-3	MLD	103		
2)	Civil Works: Design (including Hydraulic design, STP unit sizing & RCC design) & Construction of STP including the cost of RCC Foundation, Structural & Civil Works of all the units like of inlet chamber, screen Channel, De-greeting unit, Grit separator unit, Equalisation tanks, aeration tanks, pre anoxic and post anoxic tank, sludge sump and pump house, Screw pump based sludge thickener, permeate tank, chlorine contact tank, Multi oxidant based chlorinator room, Sludge Holding Tank, , Chemical Storage Room, Turbo Blowers and Building, DG room, Staff Quarters, MCC & PLC Room, Administrative building cum laboratory, laboratory equipment’s, tools and plants, spare parts, Internal Roads, Compound Wall				

Sr. No	Item Description	Unit	Qty	Item Rate (Rs.)	Amount (Rs)
	Storm water drains, pathways, Security room, Parking Space ,Landscaping etc. complete as turnkey job.				
a)	STP-3	MLD	103		
3)	Electro-Mechanical works:- The rates shall include all Mechanical units like Manual & Mechanical Coarse & Fine Screens, Blowers, Vortex Grit Unit, dewatering screw press , Multi oxidant based chlorinators, EOT Crane beams, guide rail and necessary piping work with required valves, gates etc., Electrical units like MCC & PCC panels, cables, HVAC /AC system, DG set, Internal Lightning, & Instrumentations items like PLC SCADA, Field Instruments, Analysers COD BOD TSS pH, Real Time Monitoring of Alkalinity, Aluminium, Boron, Cadmium, Calcium, Chloride, Chromium, Copper, Cyanide, Fluoride, Hardness, Iron, Magnesium, Manganese, Phenol, Silver, Sulfate and Zinc Analyser at Treatment Outlet, Data Connectivity to CPCB/SPCB Server for STP Outlet etc. complete as turnkey job tanks and Extended warranty for 10 yrs. of Operations.				
a)	STP-3	MLD	103		
4)	Installation, Commissioning and Trial run & I The rate shall include Erection of all the Electro-Mechanical Units, successfully Commissioning giving satisfactory Trail run of Sewage Treatment Plant for 1 year (Capacity – 103 mld)				
a)	STP-3	JOB	1		
5)	Comprehensive Operation & maintenance cost for STP :				
i)	It shall also include the cost of manpower, consumables, and spares required (excluding power consumption cost) for the O & M of the plant.				
a)	STP-3	Per MLD/ year	103		
ii)	It shall also include the specific power consumption cost required during the O & M of the plant. (Considering Power cost per unit Rs./kwh –Rs.7/-)				
a)	STP-3	KWH/ year	103		
6)	Ultraviolet (UV) Disinfection: - The treated sewage from MBR Plant shall be supplied for Disinfection with UV. O & M cost/KL shall be given separately. The Rates shall include Design, Supply, Installation, Testing, Commissioning, civil and structural requirements and storage tanks and Extended warranty for 15 yrs. of				

Sr. No	Item Description	Unit	Qty	Item Rate (Rs.)	Amount (Rs)
	Operations. Warrantee shall also include the specific power consumption and consumables for the O & M of the plant. The UV MOC shall be suitable for minimum 15 years of full replacement warrantee.				
	STP-3	MLD	103		
7)	<p>MS Shoring for Trench:- Providing & Fixing MS Plate shoring in trench consisting of double slide rail RS 5500 mm, rolling strut DSR 720*405 mm, distance piece DSR 720 * 405 *250mm, shoring base plate 4000*2400 mm standard, shoring top plate 4000* 1400 mm standard, connecting pin 40*100 mm base & top plate, plate protection rail 4000 mm S600/700, assembly help DSR including removal after laying Sewer line. The agency shall work out the Total cost of this item considering the Trench Length of 30 m ,Trench Depth ranging from 3- 6 m , Trench Width ranging from 0.8-2.5 m & quote for this item accordingly.</p>	LS			
8)	<p>MS Shoring for Manhole:- (For 3 X 3 m upto 6 m depth) Providing & Fixing MS Plate shoring corner double slide rail 5500 mm, shoring base plate 3000 x 2400 mm standard shoring top plate 3000 x 1400 mm standard, connecting pin 40x100 mm base & top plate, plate protection rail 3000mm S600/700 in Manhole consisting of including removal after constructing the Manhole.</p>	LS			

NGT Tertiary Effluent Standards

Parameter	Unit	Limit
pH		<6.5-8.3
BOD	mg/L	< 10
COD	mg/L	<50
Total Suspended Solids (TSS)	mg/L	< 5
Turbidity	NTU	< 2
Total Nitrogen (TN)	mg/L	< 10
P	mg/L	<1

Faecal Coliform	(MPN/100 ml)	BDL
Residual Chlorine	Mg/L	>=1

Sd/-

Executive Engineer

Vasai Virar City Municipal Corporation (VVCMC)

Note: - The required site visit/inspections shall be carried out by the vendor/supplier, before providing the Techno-Commercial Offer. Only informative assistance shall be provided by VVCMC officials.