

मुख्य कार्यालय, विरार
विरार (पूर्व),
ता.वसई, जि.पालघर - ४०१ ३०५.



दूरध्वनी : ०२५० - २५२५१०१ / ०२/०३/०४/०५/०६
फॅक्स : ०२५० - २५२५१०७
ई-मेल : vasaiVirarCOPORATION@yahoo.com
जावक क्र: व.वि.श.म./आयोग/१३१/२०२३.
दिनांक : ०१/०२/२०२३.

Vasai Virar City Municipal Corporation

VVCMC Head Office,
Manvelpada Road, Opp. Virar Police Station,
Virar East, Virar, Maharashtra - 401305

Quotations are invited for developing a Construction and Demolition Waste Collection, Processing and Disposal facility unit for Vasai-Virar City. All interested firms/agencies are requested to submit their quotations/ rates in a sealed envelope to the office of the undersigned or by email to aaogyahheadoffice@gmail.com within 7 days (i.e. 01/02/2023 to 07/02/2023; 04:00 pm) of this notice on website. Requirement shall be as per description of items/ specifications as mentioned below. Kindly mention the rates including all taxes.

Sd/-
Deputy Municipal Commissioner
Solid Waste Management Department
Vasai Virar City Municipal Corporation



Scope of Work –

A. The Site development

- The broad scope of work to be carried out by the successful Applicant under site development is as mentioned below but not limited to clearing old structures, levelling the site and any other activity related to land development, construction of site office, boundary wall / appropriate fencing, drainage, electricity (inside and outside the processing unit) etc.

B. Construct and Operation of C&D Waste Processing System

- Responsibilities of Operator should be detailed to include the following: Undertaking necessary geotechnical survey to assess the hydrological and flooding potential of the site
- Construction of 15 TPH C&D Waste Processing Plant for each slice.
- In addition to this, infrastructure such as office building, internal roads, fencing wall/ internal boundaries to restrict the entry to specific areas of site to the authorized persons only.
- The Concessionaire shall also be responsible for setting up of laboratory for testing of recycled products from C&D waste.
- Providing furniture and fixtures, lighting arrangement inside the C&D Waste processing facility as well as outside, in the premises.
- Providing drainage system and cables, wiring with necessary electrical fixtures as necessary
- VVCMC shall facilitate all forms of support to the Concessionaire for obtaining certification/ statutory clearances required for accessing water connection, electricity and other related infrastructure such as road till project site, street light and other facilities.

C. Operation and maintenance of infrastructure and equipment

- The successful Bidder shall be responsible for construction, operation and maintenance of tipper trucks, mechanical lifting arrangement to transfer the waste from bin into tipper truck, required infrastructure including treatment units [crushers and separators] etc. parking facilities, weighbridge, hook loaders.
- The C&D Waste Processing Facility by the Concessionaire must earmark separate space for storage of C&D Waste residues or aggregates obtained after processing for one-month generation and while recycled products shall be stored for two/three – month generation

You are therefore requested to submit the budgetary rates for below mentioned works.

S.N	DESCRIPTION	Quantity	Rate Per Unit in INR
1	C & D waste Crushing unit having Primary Jaw Crusher with minimum -opening 177mm x 355 mm, of power 15-20 HP, 20 Tons per Hour Capacity conforming to IS-4254 standards.	1	
2	C & D waste Washing, Screening Plant including Filter Press etc (Rate of treatment 15 Tons per Hour) along with Hopper Feeding System, Scalping Screens for oversize protection, Wet Screens, Wing Stockpile conveyors, rubber lined Hydrocyclones, High pressure water pump and washing jet nozzle for manual cloth	1	

S.N	DESCRIPTION	Quantity	Rate Per Unit in INR
	washing, water Pump For Supply of Water to the inlet point of Washing Plant. The Following Units= (1) Hopper & Feeder (2) Feed Conveyor Belt (3) Waste Recycling Station (Rinsing Screen) (4) Log Washer (5) Rinsing Screen (6) Trash Screen (7) Ferric Separator support structure (hopper included) (8) Electromagnetic separator of ferric materials (9) Blower (10) sand washing station (11) Wing Conveyor (12) Aqua Cycle (13) Cylindrical Steel water tank (14) Mobile Stockpile Conveyor		
3	Automatic manufacturer of paver blocks and bricks with Automatic Plate shifting Device.	1	
4	Weighbridge 50 Tons capacity with complete weighbridge management user friendly software for processing data date wise, truck wise, challan wise, shift wise, customer wise, product wise etc. for generation of daily, weekly and monthly reports.	1	
5	GPS equipment and Management Information System for complaints/ call center and live data feed for vehicle routes, waste collection, processing and disposal.	1	
6	Wheel Loader- Rubber tyre mounted, bucket capacity 1.5-2 Cu.m. conforming to latest emission norms.	1	
7	Crawler mounted Hydraulic Excavator equipped with backhoe attachment consisting of 5.7m boom, 2.41 m and Heavy Duty Bucket and conforming to latest emissions norm.	1	
8	Storage containers roll-on roll-off type of 5 cu.m Volume compatible with hook loader.	1	
9	Hook Loader Conforming to BS-VI Norms with lifting capacity of 15 cum	1	
10	20 Cum Tipper Conforming to BS-VI Norms	1	
11	Electricity Back-up (Generator) 1000KVA, The entire plant with all administrative and service facility shall be run on backup power source incase power failure. Supplying, Erecting and Commissioning of Diesel generating set with alternator of 1000 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %. Both the engine and alternator direct coupled on	1	

S.N	DESCRIPTION	Quantity	Rate Per Unit in INR
	<p>a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level upto 75 dB at 1.0 m, provided with first filling of oil, diesel, etc and obtaining necessary approval from Electrical Inspector as per specification no. GEN-DG Along with 30 Meter High Chimney for each DG set</p>		

For

Vasai Virar City Municipal Corporation

