

भिवंडी निजामपुर शहर महानगरपालिका

घनकचरा व्यवस्थापन विभाग (मुख्यालय)

जा.क्र.मिनिशमनपा./घनकचरा/१५०९/२०२५

दि. १४/११/२०२५

प्रति,

संगणक विभाग प्रमुख,
भिवंडी निजामपुर शहर महानगरपालिका,
भिवंडी.

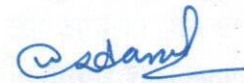
विषय :- SBM २.० अंतर्गत राडा रोडा प्रकल्प करिता आवश्यक असलेल्या मशिनरी व यंत्रसामुग्रीचे बाजार भावातील दर मागविणे कामी कोटेशन प्रसिध्द करणे बाबत.

संदर्भ :- मा. आयुक्त तथा प्रशासक सो. यांची दि. १४/१०/२०२५ रोजीची मान्यता

वरिल विषयास अनुसरून आपणास कळविण्यात येते की, घनकचरा व्यवस्थापन विभागासाठी कोटेशन नोटीस मध्ये नमुद मनपा कार्यक्षेत्रात राडा रोडा प्रकल्प उभारण्यात येणार असून सदर प्रकल्प करिता मशिनरी व यंत्र सामुग्रीची आवश्यकता असून लागणारे मशिनरी व यंत्र सामुग्री द्वारे सदरचे काम करण्यात येणार असल्याने आवश्यक साधन सामग्रीचे १ वर्षाच्या कालावधी करिता देखभाल दुरुस्तीसह उत्पादक कंपनी किंवा पुरवठाधारक यांचेकडून प्रति युनिटचे दर मागविण्यासाठी मा.आयुक्त सो. यांनी दि. १४/१०/२०२५ रोजी मान्यता दिली आहे.

त्यानुसार सोबत जोडलेले कोटेशन नोटीस व मशिनरी, यंत्र सामग्रीचे विस्तृत तांत्रिक विवरण (Detail Technical Specifications) मनपा संकेत स्थळावर प्रसिध्द करून तसा अहवाल घनकचरा विभागात सादर करावा.

मा.प्रशासक तथा आयुक्त सो. यांचे मान्यतेने



उप-आयुक्त (घनकचरा)

भिवंडी निजामपुर शहर महानगरपालिका

सोबत जोडलेले: -

राडा रोडा प्रकल्प करिता आवश्यक मशिनरी व
यंत्रसामुग्रीचे विस्तृत तांत्रिक विवरण (Detail Technical Specifications)

भिवंडी निजामपूर शहर महानगरपालिका

घनकचरा व्यवस्थापन विभाग (मुख्यालय)

कोटेशन मागविणेची नोटीस

भिवंडी निजामपूर शहर महानगरपालिका घनकचरा व्यवस्थापन विभागाकरिता खालील कामाकरिता दि.१४/११/२०२५ ते दि.२०/११/२०२५ या कालावधीत कोटेशन प्रसिद्ध करण्यात येत असून दि.२०/११/२०२५ रोजी दुपारी १.०० वाजे पर्यंत कोटेशन मागविण्यात येत आहेत. कामाबाबतची संपूर्ण माहिती आरोग्य विभागाकडून घेऊनच कोटेशन भरावीत. नंतर कोणत्याही प्रकारची तक्रार विचारात घेतली जाणार नाही. तसेच कोटेशन भरताना सर्व करासहीत व खर्चासहीत भरावीत.

भिवंडी निजामपूर शहर महानगरपालिकेच्या खालील नमुद कार्यक्षेत्रात ७५ मेट्रिक टन क्षमतेचा राडा रोडा प्रकल्प उभारण्यात येणार असून सदर राडा रोडा प्रकल्प साठी खालील नमुद मशिनरी व यंत्र सामग्रीची आवश्यकता असून लागणारे मशिनरी व यंत्र सामग्रीद्वारे सदरचे प्रकल्प कार्यान्वित करण्यात येणार असल्याने आवश्यक मशिनरी व यंत्र सामग्रीचे १ वर्षाच्या कालावधी करिता देखभाल दुरुस्तीसह सोबत जोडलेल्या विस्तृत तांत्रिक विवरण (Detail Technical Specifications) नुसार उत्पादक कंपनी यांचेकडून प्रति युनिटचे दर मागविण्यात येत आहे. त्याच प्रमाणे खालील आवश्यक दस्तऐवजाची पूर्तता संबंधितास करणे बंधनकारक आहे.

अ.क्र.	आवश्यक मशिनरी व यंत्र सामग्री चे नाव	परिमाण
1	C & D waste processing system complete Unit	1 Unit
2	Paver Making Machine Complete Unit	1 Unit
3	Pneumatic Breaker Machine	1 Unit

१) संबंधित संस्थेचे पॅनकॉर्ड, २) खरेदी प्राधिका-या बरोबर हितसंबंधाचा संघर्ष नसल्याचाचत आणि इच्छुक संस्थेने एकल दरपत्रक देण्या बाबतचे, हमीपत्र, ३) जीएसटी नोंदणी क्रमांक,

अधिकृत उत्पादक कंपनी यांनी प्रति युनिटचे दर सर्व करासह व खर्चासह स्पष्ट लिहून घनकचरा विभाग येथे सादर करावेत. तसेच कोटेशन मधील दराची शाहनिशा केल्यानंतर पुढील खरेदीची कार्यवाही करण्यात येईल.



उप-आयुक्त (घनकचरा)

भिवंडी निजामपूर शहर महानगरपालिका

सोबत जोडलेले: - विस्तृत तांत्रिक विवरण (Detail Technical Specifications)

तारीख :-

खालील ठिकाणी प्रसिद्ध केली.

मनपा मुख्यालय कार्यालय नोटीस बोर्ड

मनपा संकेतस्थळ

SPECIFICATIONS

A) C & D waste processing system complete Unit

The equipment is designed as above.

- Recycling of C&D Waste by removal of ultra-fines from feed.
- To produce washed sand and aggregate and dewater the same.
- Low moisture in the recycled sand product for direct use in concrete.
- Recycle water as much as possible.

Feed Material

General C&D waste comprising cement concrete, cement mortar, bricks, rubble, stone, sand and soil. Metal is removed prior to feeding our system. **Plastics & light-weights should be removed manually.**

Material Size	C&D Waste
Feed Size	<200mm

Plant Capacity & Product

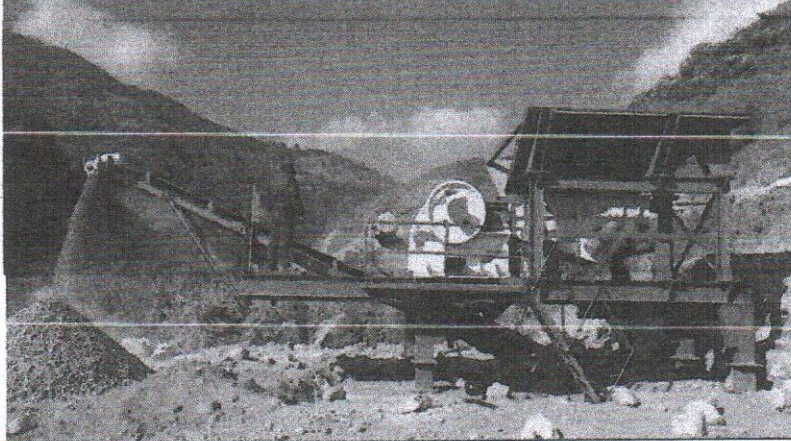
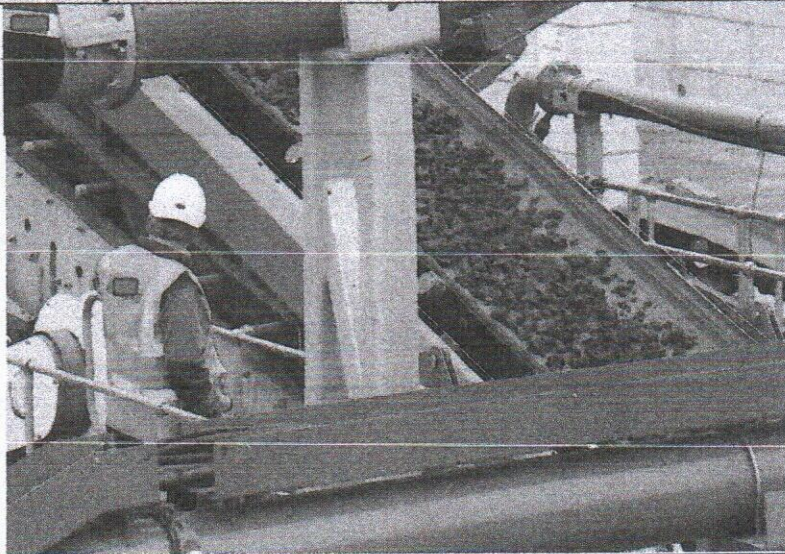
Feed Capacity	12.5 TPH 75 TPD
Aggregate	(-) 20mm/ (-) 40mm + 8mm
Aggregate	(-) 8mm + 4.75mm
Sand	(-) 4.75mm + 75 microns
Recycled Soil	Minus 75 microns

Performance Statement

Sl. No.	Parameter	Target given	Guaranteed Parameters*
1	Feed capacity of the plant	75 TPD	12.5 TPH (200 tons can be achieved with 16 hours working)
2	Number of Products	3	3
3	Plant Availability		Plant has been designed to operate for 6000 hrs.

per annum

Technical Specification and List of Equipment

Sl. No.	Item Description	UOM	Qty
1. In-situ Dry Processing System:		Set	1
			
1.1	Feeder with 2 x 1.1kw direct drive motor		
1.2	Self-Supporting structure		
1.3	Inline Single-Stage Jaw Crusher with 22.5 kw Motor		
1.4	In Built Static Grizzly Bar		
2. Feed Conveyor			
			
2.1	Feed boot to receive material		
2.2	400mm belt (estimated length 10meters)		
2.3	Fully adjustable skirting rubbers		
2.4	Troughing rollers as standard		
2.5	Direct coupled motor and gearbox		
2.6	Tungsten Tip Belt Scraper		
2.7	Guarded to specification		

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Solid Waste Management Dept.

C185

2.8 Lagged head drum

2.9 Crowned tail and head drums to assist belt tracking

2.10 Fitted with Belt Weigher

3. In-situ Wet Processing System Model:

Set

1



3.1 Consisting of following components and features:

3.2 Cleaning and Grading function: Mild Steel Hydro cyclone(s)

3.3 Hot vulcanized rubber lined modular cyclone c/w overflow discharge chamber

3.4 Rubber lined Cyclone Apex & spigot.

3.5 High Performance Cyclones

3.6 Adjustable apex per cyclone

3.7 Hot vulcanized rubber lined custom twin cyclone feed manifold

3.8 Custom cyclone support frames

3.9 Evo Screen® Dewatering screen

3.10 Fully modular polyurethane panels – non-Bolted

3.11 Evo Screen® 1800 x 2400 Dewatering screen

3.12 Adjustable offset 2x3.6kW vibrating motors

3.13 Replaceable modular polyurethane liners X bolted

3.14 Splash protection cover over rear of dewatering screens

3.15 Replaceable modular back splash panels

3.16 High-efficiency 'Marsh Mallow' rubber screen mounts.

3.17 Rubber lining at strategic locations in sump

3.18 Automatic sump level controls

3.19 Feed / overflow points each side

3.20 Skid mounted with integrated base for pumps and motors

3.21 Heavy-duty rubber lined slurry pumps

3.22 Rubber lined pipe-work between pump and cyclone

3.23 Complete with rubber impellers, safety guarded motors and drives

3.24 Water Recycling function

3.25 Inbuilt water recycling system (WRS)

3.26 Mild steel bolted sectional construction for rapid assembly on site

3.27 Steel support structure and necessary bracings

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3.28	Quad Rake four-arm rake system with angled scrapers for conditioning of sludge
3.29	Direct drive motor and gearbox and heavy-duty shaft
3.30	Peripheral weir for collection and discharge of recycled water to your recycled water storage point (transfer pipe not included)
3.31	Central diffuser drum for receiving pre-dosed effluent
3.32	De-aeration chamber fitted to side of Thickener for primary treatment
3.33	Conical bottom section complete with flushing valves, connections, and pipe-work
3.34	Heavy-duty centrifugal sludge pump to discharge thickened sludge to your settlement area or buffer tank for Filter Press
3.35	Pneumatic and electrically operated valves for control of sludge / fresh water discharge fitted to base of Thickener
3.36	Compressor for pneumatics
3.37	Scraper support bridge and walkway
3.38	Access stairs and all necessary handrails
3.39	Multiple dosing points for polyelectrolyte (de-aeration chamber and internal feed pipe)
3.40	Automatic flushing of sludge pipe-work after de-sludging cycle
3.41	Requires constant uninterrupted power supply of 415V (± 10)
3.42	Fully Automatic Polyelectrolyte Unified Dosing Station for water recycling and soil bay management
3.43	Loading hopper for (powder based) polyelectrolyte complete with screw-feeder
3.44	Powder educator system with cone to transfer powder to make-up tank
3.45	Mixing tank with lid incorporating: Stirrer unit twin propellers Ultrasonic Sensor
3.46	Transfer pump to convey matured polyelectrolyte to storage tank
3.47	Storage tank incorporating level electrodes
3.48	Dosing pump complete with: In line dilution facility Variable speed gearboxes
3.49	Product discharge outlets
4. Additional Items & Services	
4.1	Galvanized walkway, flow forge and stairs with heavy-duty steel handrails for the entire plant complete with safety kickboard.
4.2	PLC Control Panel for supplied items
4.3	Electric wiring for all supplied equipment
4.4	Pipe-work and connections for the plant
4.5	Mixing Device on Coarse Conveyor
4.6	Soil discharge pipework up to 50meters
4.7	Commissioning Spares
4.8	First-Fill Lubricants & Flocculants
4.9	Set of Civil & GA drawings
4.10	Expert to provide assistance for erection & commissioning
4.11	Operation & Maintenance e-Manual (in English)

Equipment Material Details, Plate Thickness and Liner Details

All major equipment is built up with different plate thickness. Plate thickness varies from 6 to 10mm in the different segments. Similarly, the liners thickness varies according to the wear zones. All are rubber liners only and liners thickness would be 5 to 10mm. All plates and structures are of IS2062MS and screen decks are made of PU. All Piping is made of ERW with or without rubber lining. Rubber slurry hoses and Flexi hoses are used as necessary.

B) Paver Making Machine Complete Unit

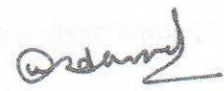
Sr. No.	Name of item	Qty.	Unit
1.	Heavy Duty Vibrator Table 2.5Ft *10Ft Heavy Structure 4*2 Channel Double Box 8MM M.S Sheet Heavy Jhula. Double Patti Fitting HI tension Bolt and Check nut. Heavy Vibrator Motor.	2	Nos
2.	Colour Mixer 3Ft Dia, with Motor 3HP	1	Nos
3.	Stand	2	Nos
4.	Full Bag Concrete Mixer with 3HP Motor	1	Nos
5.	De-Moulding Machine with 1 HP Motor	1	Nos
6.	Silicon Plastic Mould	2000	Nos
7.	Hardner	250	Nos
8.	Polish 1 Drum	55	Nos
9.	Colour Bag (25Kg) in Bag	1	Nos

C) Pneumatic Breaker Machine

Sr. No.	Name of item	Qty.	Unit
1.	PNEUMATIC BREAKER MODEL: RB 113	1	Nos
2.	12" (TOTAL LENGTH 18") FLAT OR POINTED CHISEL FOR RB 113 (BOX OF 10 NOS)	10	Nos
3.	18" (TOTAL LENGTH 24") FLAT OR POINTED CHISEL FOR RB 113 (BOX OF 10 NOS)	10	Nos

NOTE: The bidder must meet the specifications at the equivalent standard or above.


Technical Deputy Engineer (SWM)
Bhiwandi Nizampur C. M. Corporation


Dy. Commissioner (SWM)
Bhiwandi Nizampur C. M. Corporation