

भिवंडी निजामपूर शहर महानगरपालिका

घनकचरा व्यवस्थापन विभाग (मुख्यालय)

कोटेशन मागविणेची नोटीस

भिवंडी निजामपूर शहर महानगरपालिका घनकचरा व्यवस्थापन विभागाकरिता खालील कामाकरिता दि. १८/०७/२०२५ ते दि. २४/०७/२०२५ याकालावधीत कोटेशन प्रसिद्ध करण्यात येत असून दि. २४/०७/२०२५ 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 प्रत्येकी एक असे ३ युनिट ट्रान्सफर स्टेशन बांधण्यात येणार असून उक्त ट्रान्सफर स्टेशन साठी खालील नमुद यंत्र सामग्रीची आवश्यकता असून लागणारे यंत्र सामग्री द्वारे सदरचे काम करण्यात येणार असल्याने आवश्यक यंत्र सामग्रीचे १ वर्षाच्या कालावधी करिता देखभाल दुरुस्तीसह सोबत जोडलेल्या स्पेसिफिकेशन नुसार उत्पादक कंपनी यांचेकडून प्रति युनिटचे दर मागविण्यात येत आहे. त्याच प्रमाणे खालील आवश्यक दस्तऐवजाची पूर्तता संबंधितास करणे बंधनकारक आहे.

Location 1: Mahada Colony

- A) Static Compactor with Hydraulically Operated Bin Cart Loading Mechanism: -2Nos
- B) Container Traversing System: -2 Nos
- C) Hook Loader mounted on 28-ton GVW Chassis: -3 Nos
- D) Container having 20 Cum capacity: -4Nos
- E) Inclusive of all taxes & transportation etc.

Location 2: Idgah Slaughter House

- A) Static Compactor with Hydraulically Operated Bin Cart Loading Mechanism: - 2Nos
- B) Container Traversing System: -2 Nos
- C) raversing System: -2 Nos
- D) Hook Loader mounted on 28-ton GVW Chassis: -3 Nos
- E) Container having 20 Cum capacity: -4Nos
- F) Inclusive of all taxes & transportation etc.

Location 3: Fene gaon

- A) Static Compactor with Hydraulically Operated Bin Cart Loading Mechanism: - 1Nos
- B) Container Traversing System: -1 Nos
- C) Hook Loader mounted on 28-ton GVW Chassis: - 2Nos
- D) Container having 20 Cum capacity: - 2Nos
- E) Inclusive of all taxes & transportation etc.

१)संबंधित संस्थेचे पॅनकॉर्ड, २)खरेदी प्राधिका-या बरोबर हितसंबंधचा संघर्ष नसल्याबाबत आणि इच्छुक संस्थेने एकल दरपत्रक देण्या बाबतचे, ३)जीएसटी नोदणी 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

तारीख :-

खालील ठिकाणी प्रसिद्ध केली .

मनपा मुख्यालय कार्यालय नोटीस बोर्ड

मनपा संकेतस्थळ

SPECIFICATIONS

A) Static Compactor with Hydraulically Operated Bin Cart Loading Mechanism

The equipment is designed to receive garbage from Mini Tipplers and compact the same into Roll on-Roll-off containers which are then picked up by Hook Loaders and transported to the dumping ground/ processing plant

Static/ Stationary Compactor having a Charge Box Volume of 3 Cu.M. maximum and is fitted with 15 KW Electric Motor with Charge Hopper, Hydraulic Compaction Container Coupling, Hydraulic Vertical Locking Mechanism, hydraulically operated Bin Cart loading mechanism, Container Traversing/ Change Over System

Static Compactor

- Compactor in heavy duty design with extra strong sheet thickness with horizontally operating straight single cylinder system
- Hydraulic System comes with regenerative control for faster cycle time
- Fail safe hydraulic ram control without limit switches, press plate comes in low maintenance plastic guides
- Container 75% full warning as standard
- Extra pressure boost and automatically plate positioning for closure operation
- Control Panel with main switch, emergency stop button, function button and function lights
- All hydraulic functions are controlled via a central, maintenance free valve Hydraulic Unit with oil filter and oil level gauge.

• Charge box volume approx.	3 m ³
• Compaction cycle time	42 sec
• Theoretical volumetric capacity	257 m ³ /hr
• Normal compaction force	330 kN
• Max compaction force	380 kN
• Compaction Density	0.75 – 0.8 T/ m ³
• Motor Power	15 kW
• Power Supply	440 V

Hydraulic Compaction Container Coupling

The Hydraulic Container Coupling consists of a pair of hydraulically operated Hook with lever which pulls, align and attaches the container to the compactor unit before loading the garbage into the container. After the container is loaded the Hydraulic Coupling releases the container which is detached from the compactor before lifting by the Hook Loader.

Hydraulic Vertical Container Gate Opening/Closing Mechanism

The Container opening is provided with a sliding steel gate. The Gate is lifted by a hydraulic

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vertical mechanism before loading the garbage into the container. After the container is loaded, the hydraulic vertical mechanism pushes the container sliding gate downward and closes the opening. The complete Operation is controlled by means of push buttons.

Hydraulic Push Pull Cylinder

A hydraulic Push-pull cylinder is provided for pulling the empty Roll-on-Roll off container towards the compactor unit and pushing it back after the container is full.

Hydraulically operated Bin Cart loading mechanism

Each compactor unit is provided with mild steel Bin Cart having a garbage holding capacity of 3.5 Cum and is designed to receive garbage from Mini Tippers and load into the receiving hopper of the static compactor. The Bin cart loading device can be Rear loading, left or right-hand loading as may be decided during finalization of Order.

B) Container Traversing System: -

Each Stationary Compactor should be provided with a Rail Mounted Container Traversing System/change over system. Each traversing system is designed to handle two number Roll-on Roll-off Containers and shall consist of two numbers electrically operated shuttle cars (transfer car) moving on Rails for placing empty containers and shifting loaded containers when detached from the static refuse compactor.

1. Rail Track of minimum length 10 metres including anchor plates and clamps for fixing rails.
2. Shuttle cars (transfer car) – 2 Nos. suitable for carrying and moving a loaded Container.
3. 04 Nos. Electric Motor (02 Nos. 3 phase 415 V 1 HP for each transfer car) with all control systems including electric cables suitable for operation of the Shuttle cars (Transfer car)

C) Hook Loader: -

Truck Mounted Hook Loader, suitable for lifting 20 M3 capacity container is designed to pick up the loaded or empty Roll on – Roll off containers, transport, dumping of material and thereafter unload the skip containers safely and faster.

Hydraulic Specifications:

Pump - High Performance Vane Type Pump

Controls - Low pressure hydraulic – Manual

Filter - 10 micron, return line with replaceable cartridge

Arm cylinders (lift cylinders) - 2 Nos., Double Acting, equipped with counter balance valves and built in by pass valves.

Jib cylinder (slide cylinders) – 1 No., Double Acting, equipped with built in counter balance valve Hoses, tubes & fittings.

Container Locking Cylinder - 1 No., Double Acting

Boom Locking Cylinder - 1 No., Double Acting

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Stabilizers are provided at suitable locations along the rear of the vehicle to ensure vehicle stability during the loading & unloading cycle of operation.

All Hydraulic Cylinders, allied components and all hydraulic pumps shall be supplied from manufacturer of ISO certified company.

Truck Chassis

The hook loader is suitable to be mounted on 3 Axle Truck Chassis of 28 T GVW, BS- VI of TATA/Ashok Leyland /Eicher/Mahindra or equivalent. The Chassis shall be with Driver Cabin fitted with PTO and Hydraulic Pump.

Hook for Lifting

The hook for lifting the Compactor Unit would be integral to the structure. It shall be provided with the necessary reinforcement to handle the design weight for lifting with adequate factor of safety. The shape and size would as per design of the lifting tackle.

D) CONTAINERS OF 20 CU.M VOLUMETRIC CAPACITY COMPATIBLE WITH THE HOOK LOADER

The closed type containers will be compatible with Hook loader, and the stationary compactor to be installed at transfer stations. The container will have rear door opening by ratcheting arrangement for loading refuse at the Transfer Station. They will also have mechanical locking arrangement to lock them with stationery/portable compactor while loading the refuse.

• Volumetric Capacity	20 Cu.M
• Floor Plate	5 mm reinforced with hollow section
• Side Panels	3 mm reinforced with hollow section
• Rollers	2 Nos. rear side
• Material	As per BIS 2062

The design of container shall be compatible to the Hook Loader with all safety arrangement i.e., locking while tipping etc.

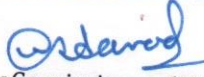
Proper sealing arrangement shall be provided to the container to avoid spillage of garbage & leach ate during transportation.

The container shall have arrangement to collect leachate formed during compaction and the same shall not spill on road during transportation.

The container shall be painted with anti-corrosive paint from inside & outside. All the containers shall be numbered for an identification & record purpose.

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


Technical Deputy Engineer(SWM)
Bhiwandi Nizampur City Municipal Corporation


Dy.Comissioner (SWM)
Bhiwandi Nizampur City Municipal Corporation