



MEE/ J1 / 340 / 2017 / Dy.CME (R&D)

BUDGETARY OFFER

FOR

**DESIGN, SUPPLY, TESTING & COMMISSIONING OF 1 No. HEAVY DUTY TRUCK
MOUNTED ROAD SWEEPING MACHINE WITH IN-BUILT SPRINKLER
ARRANGEMENT WITH TWO YEARS FREE GUARANTEE PERIOD FOR THE USE OF
CHENNAI PORT TRUST**

SUBMISSION ON OR BEFORE: 31.07.2017

**CHIEF MECHANICAL ENGINEER
7th Floor, Centenary Building
Rajaji Salai, Chennai – 600 001.**

BUDGETARY OFFER FOR DESIGN, SUPPLY, TESTING & COMMISSIONING OF 1 No. HEAVY DUTY TRUCK MOUNTED ROAD SWEEPING MACHINE WITH IN-BUILT SPRINKLER ARRANGEMENT WITH TWO YEARS FREE GUARANTEE PERIOD FOR THE USE OF CHENNAI PORT TRUST

TECHNICAL SPECIFICATION

SCHEDULE 'A'

(1) GENERAL:

Chennai Port Trust propose to procure 1 No. Heavy Duty Truck Mounted Road Sweeping Machine with in-built Sprinkler Arrangement for cleaning the Roads and Wharves inside the Port premises as per detail specification.

(2) SCOPE OF WORK:

The Scope of Work includes Design, Supply, Testing and Commissioning of 1 No. Heavy Duty Truck Mounted Road Sweeping Machine with in-built sprinkler arrangement with 2 years Free Guarantee Period.

(3) SPECIFICATION OF HEAVY DUTY TRUCK MOUNTED ROAD SWEEPING MACHINE:

I. CONDITIONS OF SUPPLY:

- a) The proposed Road Sweeping Machine shall be "State-of-the-art" Unit for cleaning the Roads and Wharves.
- b) Should be able to sweep the road/street/berths/yards etc., and various materials like leaves pebbles and stones upto 40 mm size.

II. ROAD SWEEPING MACHINE:

Model: Chassis of 10 Ton (or) above capacity with cabin and Road Sweeping Machine.

BS-4

MODEL	BS IV Norms
POWER	90 KW @ 2600 RPM (or) above
STEERING	Tilt and Telescopic Power Steering
GVW	10,000 Kgs or above

SPECIFICATION OF ROAD SWEEPER MACHINE:

1. The Equipment should be able to sweep the road, street etc. at speed not less than 5 km/h and the equipment should be capable of sweeping various materials like leaves pebbles and stones up to 40 mm size as well as dust. The equipment should have a dust collector container of minimum 4.0 Cum. Or more volume with water tank provision.
2. The Equipment should have best technological arrangement to ensure that the dust content in the exhaust air, from machine is less than the existing / prevailing pollution control norms of PM-10.
3. The Equipment should be able to sweep an overall width of 2900 mm in one sweep / pass.
4. The machine should have a wandering hose of 5 m length for cleaning any heaps in inaccessible areas.
5. The vacuum suction system should incorporate a cyclonic separator along with Bag Filters filtration system with continuous cleaning during sweeping with compressed air jets, for efficient, trouble free & easy to maintain road sweeping and to ensure that the suction efficiency of the machine is not affected at any time during sweeping, due to dust load and meeting statutory PM-10 Pollution Control Norms in Blower exhaust air.
6. The Machine should be self-sufficient in all aspects including cleaning of dust load during sweeping operation-with or without spray of water.

DESCRIPTION	SPECIFICATION
Sweeping width	1900 mm with suction nozzle 2400 mm With Suction Nozzle + one side brush 2900 mm With Suction Nozzle + Two side brush
Container volume and thickness	Minimum 4000 ltrs volume made of heavy duty high corrosion resistant stainless steel of minimum thickness 4 mm.
Suction hose	5 meters
Minimum Blower Rating	The blower/fan is the most important component that produce airflow. Blower rating shall be minimum 15000 M3/Hr.
Dimensions of Centre and Side Brushes	Centre brush Dia.-400 mm min. Centre brush length-1900 mm min. Side brush dia.-600 mm min.
Gross Vehicle Weight	Not less than 11,000 Kgs., Wheel Base 3800 mm
Cleaning Speed	Not less than 5 KMPH
Minimum Auxiliary Engine Rating	150 HP
Water Tank Capacity	Minimum 800 Ltrs
Suction Hose	Not less than 150 mm dia.

KEY INSTRUCTIONS

(1) TRANSPORTATION:

The firm shall bear all the cost involving the transportation of all the materials and spares to the site.

(2) COMPLETION PERIOD:

The entire Supply shall be completed within 90 days from the date of receipt of the Letter of Award (LoA). The Quality Assurance Programme (QAP) will be submitted to the Trust within 7 days from the receipt of LoA.

(3) GUARANTEE PERIOD:

The entire Heavy Duty Truck Mounted Road Sweeping Machine with all accessories shall be guaranteed for Two year from the handing over of the Road Sweeping Machine.

(4) QUALITY ASSURANCE PROGRAMME:

The firms are requested to submit a copy of their Quality Assurance Programme for stage-wise manufacturing of Heavy Duty Truck Mounted Road Sweeping Machine. The QAP will be scrutinized and approved by Chennai Port Trust for supply in case of the successful tenderer. The details of tests etc. shall be indicated specifying relevant IS Tests / Standard etc.

(5) LIQUIDATED DAMAGES/LATE DELIVERY CHARGES:

The Heavy Duty Truck Mounted Road Sweeping Machine with in-built Sprinkler Arrangement shall be deployed in Chennai Port within 90 days from the date of receipt of LoA. After due verification and satisfaction of the above conditions the successful Contractor will be allowed to deploy the Road Sweeping Machine.

The Liquidated Damages/Late Delivery Charges shall be deducted from any amount payable to or to be payable to the contractor/supplier including encashment of Performance Guarantee or any securities/guarantees, if any available with the Port Trust.

The Liquidated Damages/Late Delivery Charges shall be ½% of the contract value per week or part thereof (a week is designed as 7 days inclusive of holidays) subject to a maximum of 10% of the total contract value.

If the contract/supply order is delayed after giving due notice, the contract/supply order may be cancelled by the competent authority with the condition that any additional expenditure incurred by the Port Trust in completing the work/supply order will be recovered from the contractor/supplier of the cancelled contract/supply order for non-performance/delay in the execution of the contract/supply.

(6) PERFORMANCE SECURITY

The tender or any portion of whose tender is accepted must deposit 10% of the contract value within 21 days of receipt of notice of such acceptance or within such extended time as may be allowed, by the Chief Mechanical Engineer at his discretion, as mentioned below.

Performance Security be submitted in the form of an Account Payee Demand Draft, from a Commercial Bank or online payment in an acceptable form.

Failure of the successful Bidder to comply with the requirements of Performance Security shall constitute sufficient grounds for cancellation of the award of work and forfeiture of the EMD.

Security Deposit paid in any mode except as specified above will not be taken into account and the concerned tender will be rejected.

(7) VALIDITY

The prices quoted by the firm must be firm and should hold good at least for **180 days** from the date of opening of the tender.

(8) PAYMENT TERMS:

- (i) Chennai Port will release the payment within 30 days after successful completion of 'Supply, Installation, Testing and Commissioning of 1 No. Heavy Duty Truck Mounted Road Sweeping Machine at Chennai Port and submission of all relevant documents.
- (ii) Income tax @ 2% with applicable surcharge & education cess shall be levied U/S 194 (c) of Income Tax Act 1961. In case of exemption from the above levy necessary non-deduction certificate shall be produced by the firm from Income Tax / Commercial Tax office respectively.
- (iii) The payment will be made on production of pre-receipted bill in the Trust's format and being certified by the Employer's representatives
- v) The firm shall quote the Bank Account details for the payment through ECS along with PAN, Goods and Services Tax(GST) Registration, Certificate of Registration of companies in the case of companies as applicable. In case of exemption of TDS/TCS, copies of documentary proof of certificate from CBIC (Central Board of Indirect Taxes & Customs) or Central Board of Direct Taxes (CBDT) shall be enclosed.

(9) TAXES:

Applicable GST on the taxable value of supply of goods or services or both covered in this supply will be paid by Port as reimbursement as production of documentary evidences/reflection of the same under the GSTIN of Chennai Port Trust in the GST web portal. Applicable statutory recoveries including TDS under income tax, TDS under GST note will be deducted/recovered while accounting for or making payments to the vendor as per the applicable laws.

(10) INSPECTION:

The successful tenderer shall arrange for pre-despatch inspection of the Road Sweeping Machine by the Trust Officials or as nominated by Chennai Port Trust. Inspection cost shall be borne by Chennai Port Trust as per approved QAP.

(11) IMPORTANT NOTE:

- (a) The firm shall furnish complete technical details of supply.
- (b) The firm shall also furnish all other required details which are not mentioned otherwise.
- (c) The firm shall mention the delivery time without fail.
- (d) The firm shall undertake required insurance at their cost.
- (e) The price quoted by the firm shall be kept fixed for the entire contract period.
- (f) Parts catalogue (03 Nos.) and Operation manual (03 Nos.) to be provided along with the supply of truck chassis. They shall also provide initial training to our personnel to operate the Road Sweeping Machine.

(12) OTHER TERMS AND CONDITION:

- i) The technical specification – “Schedule-A” and Price Schedule – A1” to be read in conjunction to make sure of the supply and works involved.
- ii) The firm is required to offer rates as per Trust’s format “Schedule- A1” without fail and mention the GST applicable.
- iii) The Trust will not be responsible for any damage or loss of any of the firm’s men and materials and for any damage / accident to the firm’s personnel.
- iv) Safety and safe custody of all materials, tools etc till handing over to the Trust shall be entirely the responsibility of the firm.
- v) The firm shall arrange their own tools and plants and other materials and components required for the above work.
- vi) For clarifications if any, the firm may contact the ‘Dy.CME(R&D) at 2nd floor of the Old Administrative Office Building, Tel. Ph. 2531 2450.

**CHIEF MECHANICAL ENGINEER
CHENNAI PORT TRUST**

COST SCHEDULE FOR DESIGN, SUPPLY, TESTING & COMMISSIONING OF 1 NO. HEAVY DUTY TRUCK MOUNTED ROAD SWEEPING MACHINE WITH IN-BUILT SPRINKLER ARRANGEMENT WITH 2 YEARS FREE GUARANTEE PERIOD IN CHENNAI PORT TRUST.

Cost Schedule-A1

Sl.No	Description of Work	Qty	Unit Cost	Total Cost
1	Design, Supply, Testing & Commissioning of 1 No. Heavy Duty Truck Mounted Road Sweeping Machine with in-built sprinkler arrangement with all other accessories as per detailed specification mentioned in Schedule-A	01		
	Applicable GST @ %			
	Total			

Station

Signature of the firm

Date

Note:-

- 1 The firm shall quote the Basic rate and GST applicable at actual.
- 2 The prices should be written both in numbers and words.