

**JAMMU MUNICIPAL CORPORATION  
TOWN HALL, JAMMU**

**NOTICE INVITING TENDERS  
FOR  
REAR END LOADER COMPACTOR**

For and on behalf of The Commissioner Jammu Municipal Corporation sealed tenders in **three envelop** (Tech., Financial & CDR / FDR) affixed with Rs.5/- revenue stamps are invited from registered firms / authorized dealers for fabrication Supply, testing and commissioning of **14<sup>3</sup>m Capacity, Rear End Loader Compactor with Universal Bin Lifter on TATA 1616 Chassis (to be supplied by JMC)**

The tenders must be accompanied with a CDR/FDR amounting to **Rs. 1,00,000.00 (Rupees One Lac only)** pledged to **Chief Accounts Officer, Jammu Municipal Corporation** and should reach in the office of the **Chief Accounts Officer, JMC** on or before **12.01.2012 up to 4:00 P.M** which shall be opened on **12.01.2011** or any other day convenient to the tender opening Authority in presence of the bidders who may wish to be present at the time of opening of tenders. Firstly the technical bid will be opened and after evaluation, the date of opening of financial bid will be intimated to the eligible bidders. The tender document along with terms and conditions and other details can be obtained from the **Single Window Counter of JMC from 10:00 AM to 02:00 PM** on any working day, against a cash payment of **Rs. 1000.00 (rupees one thousand only)** non refundable from **02.01.2012 to 07.01.2012**

Tender Document can also be downloaded from the official website of JMC i.e. [www.jmc.nic.in](http://www.jmc.nic.in) and in that case, a demand draft of **Rs. 1000.00 (rupees one thousand only) {Non-Refundable}** favouring Chief Accounts Officer, JMC should be enclosed with the offer/proposal. The tender opening authority reserves the right to accept or reject any or all offers/ tenders without assigning any reason thereof.

No: JMC/Estt/6230-35

Dated: 30-12-2011

Sd/-  
**Secretary**  
Municipal Corporation  
Jammu

Copy to the:-

- 1 Commissioner, Municipal Corporation Jammu for inf.
- 2 Joint Commissioner (W), Municipal Corporation Jammu for inf.
- 3 Chief Accounts Officer, Municipal Corporation Jammu for inf.
- 4 A.E.E Mechanical Sub Division JMC for inf. & n/a.
- 5 Press & Electronic Media Officer, JMC for inf.
- 6 I/C Computer Section JMC for inf.

# **JAMMU MUNICIPAL CORPORATION**



## **TENDER DOCUMENT**

### **A – 14 CUM CAPACITY, REAR END LOADER COMPACTOR WITH UNIVERSAL BIN LIFTER**



ISSUED BY:

**JAMMU MUNICIPAL CORPORATION**

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## 1. INTRODUCTION AND BACKGROUND:

The Jammu Municipal Corporation (JMC) is one of the Municipal Corporations of Jammu & Kashmir State which was formed under the enactment of J&K Municipal Corporation, Act 2000. The jurisdiction of JMC comprises of 71 Wards, 3 zones and 2 divisions for performance of various activities at the field level. One of the main functions of JMC is to upkeep and maintenance of civic amenities including Solid Waste Management of Jammu City.

## 2. General Requirements

2.1 JMC intends to deploy Rear End Load Compactors for Solid Waste Management. The Rear End Loader Compactor on TATA 1616 Chasis is to be utilized for garbage / waste collection and transportation, duly fitted with hydraulic pump / PTO. The unit shall have fixed blade system to affect the Compacting process. The unit should be effective and economical to operate and shall be capable of disposing organic waste which includes garden waste, market waste, domestic waste, commercial waste and others as generated in cities and towns.

The Compactor shall have the following main components:

- i. A Container body of 14 Cu. M. Capacity.
- ii. An ejector plate with multi stage (3 or more stage) double acting hydraulic cylinders.
- iii. A tailgate body with two numbers of double acting cylinders for raising / opening the tailgate.
- iv. A Compacting unit consisting of a pair of double acting hydraulic cylinders, each for both the carrier plate and packer plate. (i.e. 4 number of cylinders)

- v. Universal hydraulic bin lifter at the Rear end with two numbers of double acting hydraulic cylinders.
- vi. Hydraulic pump shall be driven by vehicle PTO or direct drive by vehicle gear box.

### 3. Equipment

The skid mounted container body has to be of 1.4 cum in volume and of rectangular cross section of steel - as per IS 1079 / IS 2062, in which is housed an ejector plate located at the end of the container near the driver's cabin. The other end of the container body should have a hung tailgate assembly with three hinges, which houses the compacting unit and the bin lifter.

### 4. Hydraulic Component of Compaction System:-

The main features are:

- A hydraulic pump, which can be either shaft or P.T.O driven and mounted on the gearbox.
- A hydraulic oil tank with a capacity of about 150 liters, equipped with a suction strainer, a return line filter and a level indicator.
- A two bank direction control valve to be placed at the front part of the body behind the driver's cabin to enable the lifting of the tailgate and movement of the ejector plate.
- Further a three bank direction control valve to be fitted on the tailgate body to enable the movement of the Carrier Plate, Packer Plate and the bin lifter.
- Rigid hydraulic tubing and flexible hoses to be correctly sized to reduce loading losses, over heating and noise pollution when operating at maximum loads.

- The above design features should ensure a high compaction ratio to achieve maximum payload utilization, minimum cycle time and silent operation

**5. PREQUALIFICATION / ELIGIBILITY CRITERIA:**

- 5.1 The Company should be registered in India (certificate to be enclosed)
- 5.2 The company shall be certified with the ISO/TL 9000/ISO 9000-2008 or equivalent (supporting documents to be attached).
- 5.3 The Company should have the experience of working in the same field and should have executed such orders with at least one Municipal Corporation or any Govt. / Semi Govt. / PSU in India. (Copy of the order and other supporting documents to be attached)
- 5.4 The Company should have a minimum average turnover of Rs. 1,00,00,000.00 (Rupees One Crore Only) in the last financial year from similar kind of activity (copy of last three years audited balance sheet to be provided)
- 5.5 The Company should have minimum 2 years of experience in the related field.

**6. Technical Characteristics:**

**A. Hydraulic System**

**Hydraulic Pump:**

Type	Gear or Rotor type
Location	Rear end of the Gear Box / Independent
	Propeller Shaft
Pump Speed	1200— 1800 RPM

**Hydraulic Cylinder Rams:**

Eight Nos. of double acting single stage and 1 No of double acting multistage cylinders with all ends cushioned are to be provided. Body material of these cylinders shall be of ST — 52 and seals of reputed ISO — 9000 manufacturer is to be used. Cylinders shall be manufactured by ISO — 9001 / 9002 certified company and documentary evidence are to be attached, confirming the same.

**Oil Tank:**

Capacity	150 liters
Steel	3 mm, steel as per IS —1079
Filter	25 Microns
Suction	125 Microns

**B. Ejector:**

Steel	2 mm thick as per IS — 1079
Pad	8 Nos. of rolled angles
Hydraulic Cylinder	Multi — Stage double effect with both ends cushioned.

**C. Container Body:**

Volume	14 CUM
Steel	steel as per IS — 1079 / IS - 2062
Thickness	* Floor 4 mm
	* Sides / Frames 2.5 mm
	* Roof 2.5 mm
	* Rear Crossbar 100×62×5 mm
Hopper Bottom	6 mm IS — 2062
Hopper Capacity	2 Cu. M

Hopper Loading Height	1 Mtrs. (approx from ground)
<b>D. Bin Lifter:</b>	
A hydraulically operated bin-lifter is to be provided at the rear end, along with the equipment, and must be capable of lifting bins of various capacities	
<b>E. Tailgate and Collection Hopper</b>	
Sides	3 m as per IS —1079
Bottom of Hopper	6mmas per IS-2062
Operation	by 2 double acting hydraulic cylinders
<b>F. Compaction System:</b>	
Plates	A pair of sliding carrier plates, a packer plate and one number of ejector plate
Packer Plates	IS— 1079 and IS-2062
Carrier Plates	IS— 1079 and IS-2062
Ejector Plates	IS— 1079 and IS-2062
<b>G. Performance:</b>	
Compacting Level	To achieve terminal garbage density of 600 - 700 kg I Cum. (According to the type of garbage)
Total Cycle	About 30 second (component - wise cycle time breakup sheet to be furnished to establish a total cycle time)
System Operating Pressure	Total equipment weight without chassis 4500 – 5000 kgs

**7. SUBMISSION OF TENDER:**

The Tender shall be submitted in three sealed envelopes marked as Envelope-A, Envelope-B and Envelope-C. All the three envelopes shall again be put together in one common Envelope-D cover and seal. This sealed cover shall be marked on the left-hand top corner, "Tender for Rear End Load Compactor". The full name, address, phone / mobile no. / fax number and e-mail address of the Tenderer and the name of authorized Agency delivering the sealed cover containing the Tender document shall be written on the bottom left hand corner of the sealed cover. The date and time of the receipt of the Tender shall strictly be observed in all cases. The person or persons signing the Tender papers shall state in what capacity he is or they are signing the Tender documents, as a sole proprietor of a firm or as a Secretary/Manager/Director, etc., of a limited company. In case of a partnership firm/consortium, the names of all the partners should be disclosed and the Tender papers shall be signed by all the partners should or in the event of absence of any partner, it shall be signed on his behalf by a person holding a power of attorney, authorizing him to do so and an attested copy of the names of all the Directors should be supplied. The Tender should be accompanied by a certificate stating therein that the person signing the Tender papers is duly authorized.

**A. Contents of Envelope – A:**

The Envelope-A shall contain EMD in the form of CDR/FDR for Rs 100000/- duly pledged in favour of Chief Accounts Officer, Jammu Municipal Corporation, payable at Jammu.

**B. Contents of Envelope – B:**

The Envelope – B shall contain the following documents:

1. A copy of registration certificate of the company / a valid registration certificate of industries department.

2. Certificate of ISO /TL 9000 / ISO 9000-2008 or equivalent.
3. Experience certificate/work order regarding supply of such machines to at least one Municipal Corporation / Govt. Deptt. / Semi Govt. Deptt. / PSU in India.
4. 3 years Audited Balance sheet certified by Chartered Accountant.
5. Profile of the Company.
6. Other statutory information (sales/service tax registration, Certificate of incorporation)
7. Information regarding current litigation debarring / blacklisting / expelling of bidder or an abandonment of work by bidder, if any
8. TIN No. from Sales Tax Department.

**C. Contents of Envelope-C**

The third envelop clearly marked as Envelope-C shall contain the financial offer / bid duly signed and sealed by the agency. Bidder shall not quote his financial/commercial offer anywhere else, directly or indirectly in any other envelopes or any place of the document under any circumstances.

**D. Earnest Money Deposit:**

The Earnest Money Deposit (EMD) amounting to Rs. one lac only shall accompany the tender document in the form of FDR/CDR duly pledged in favour of Chief Accounts Officer, Jammu Municipal Corporation. The EMD will be forfeited in case the successful Tenderer fails to sign the contract in accordance with terms and conditions and furnishing of Security Deposit/bank guarantee.

**8. IMPORTANT TIMELINES ARE MENTIONED BELOW:-**

S.NO.	EVENT	DATE
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1.	Issuance and Sale of Document	02.01.2012 to 07.01.2012
2.	Submission of tender	12.01.2012
3.	Opening of technical bid	12.01.2012 or any other date to be intimated to the eligible bidder

## 9. INSTRUCTIONS TO TENDERER :

- 9.1 The tender received after the last date shall be rejected.
- 9.2 If the envelope is not sealed and marked as instructed above, JMC assumes no responsibility for the misplacement or premature opening of the contents of the proposal submitted and such proposal may at the discretion of Evaluation Committee be rejected.
- 9.3 To verify the tenderer qualifications, JMC would strictly go by the documents asked as proof against each qualifying Criteria, which must be submitted with the tender. Any post-submission would not be considered.
- 9.4 Proposals of only those tenderers would be evaluated further who meet all the above Eligibility Criteria.
- 9.5 To facilitate evaluation of proposals, Jammu Municipal Corporation at its sole discretion may seek clarification in writing from any Tenderer regarding its proposal.
- 9.6 All the necessary documentary proof with respect to above mentioned parameters should be submitted for consideration of Evaluation Committee with the tender.

- 9.7 Tenderer has to give a presentation regarding his technology. The date and time and venue of the presentation will be communicated.
- 9.8 Tenderer's experience of supplying similar machine to any municipal corporation and any Govt. Deptt./Agency/ PSU in India shall be criteria for evaluation, besides rates quoted. The information & documentary proof for same should be provided with the Tender along with satisfactory Certificate of the Corporation using similar machines from the vendor/company.
- 9.9 The tenders will be opened in the presence of tenderers or their authorized representative who may wish to be present at the time of opening of tender.
- 9.10 The firm should also give the address of its nearest service centre and the time limit in case of any fault / breakdown of the biometric attendance system/ device.

## **10. TERMS AND CONDITIONS**

1. The terms and conditions will be binding on all the Tenderers. Some of the following terms and conditions will also form part of the agreement signed with the successful tenderer after the outcome of tender process.
2. All prospective Tenderers who have purchased this document shall be intimated of any amendment in writing by e-mail and or by post, and all such amendments shall be binding on them without any further act or deed on JMC's part. These amendments shall also be posted/uploaded on website [www.jmc.nic.in](http://www.jmc.nic.in).
3. The firm shall also have to execute an agreement for Annual maintenance contract (AMC) for at least three years after the expiry of the warranty period for which the firm shall have to quote their rates separately and the supply order shall be treated valid only acceptance of the AMC.

4. Latest VAT / sales tax clearance certificate is to be produced along with the offer from the concerned department.
5. The equipment should be accompanied with a set of operator's maintenance manual and spare parts catalogue and all necessary fast moving spares.
6. The machine shall be guaranteed for a period of 12 months from the date of commissioning of the machine. The firm shall be responsible for any replacement / repairs during the warranty period free of cost and within shortest possible time.
7. The delivery period should be clearly mentioned in the offer and should be not more than 60 days
8. **Waive any minor informality or non-conformity or irregularity:** JMC may at its sole discretion waive any minor informality or non-conformity or irregularity in a proposed document, which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any Tenderer.
9. **Conditional offers by the Tenderers:** The Tenderer should abide by the terms and conditions specified in the document. If tenderer submit conditional offers it shall be liable for outright rejection.
10. **Modification and Withdrawal of offers:** Modification or Withdrawal of offers is not permissible after its submission. If the offer is withdrawn before the validity period, the EMD will stand forfeited.
11. **Clarification of offers:** To assist in the scrutiny, evaluation and comparison of offers, the Commissioner, JMC may at his discretion, ask some or all vendors/tenderers for clarification of their offer. The request for such clarification and the response will necessarily be in writing

12. **JMC Commissioner's right to accept any proposal and to reject any tender or all Tenders:** Notwithstanding anything stated herein, JMC Commissioner reserves the right to accept full or part of the tender or reject any tender, and to cancel the tendering process and reject all tenders at any time before the award of the contract, without assigning any reason and thereby without incurring any liability to the affected tenderer/s or any obligation to inform the affected tenderer/s of the grounds for JMC Commissioner's action/decision.
13. **Signing of Tender Offers:** The original copy of the Tender offer shall be typed or written in ink and shall be signed by the Tenderer or a person or persons duly authorized in writing to bind the Tenderer to the Contract. Such authorization shall be indicated by authorization letter, accompanying the Tender offer. All pages of the tender offer shall be initialled by the person or persons signing the Tender offer with seal. The tender offer shall contain no insertions, erasures or overwriting.
14. **Cost and Currency**
  - a. The offer must be made in Indian Rupees only. Taxes, duty and other levies, as applicable at the time of submission of tender to be mentioned separately.
  - b. The rates quoted shall be fixed with transparent cello tape.
  - c. The rates shall be inclusive of all taxes, transportation charge, state entry tax, vat and any other tax permissible under rules.
15. **Resolution of Dispute:** Every effort should be made to resolve (any disagreement or dispute arising between the JMC and the successful tenderer

under or in connection with the contract) amicably by direct informal negotiations. However, if the dispute could not be resolved amicably within thirty days of the commencement of such dispute/disagreement, the matter will be referred to the Arbitrator in accordance with J&K State Arbitration Act.

**16. Risk Purchase Clause**

In case the successful tenderer fails to execute the project as mentioned above, Commissioner, JMC also reserves the right to procure the similar services from alternative source at the risk, cost and responsibility of the successful tenderer.

**17. Legal jurisdiction**

All disputes shall be subject to the jurisdiction of Courts of Jammu (J&K).