

**JAMMU MUNICIPAL CORPORATION  
TOWN HALL, JAMMU**

**NOTICE INVITING TENDERS**

**FOR**

**SURVEY, DESIGN, SUPPLY, INSTALLATION, COMMISSIONING AND MAINTENANCE OF  
ELECTRONIC TRAFFIC SIGNAL SYSTEM IN JAMMU**

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 **SURVEY, DESIGN, SUPPLY INSTALLATION, COMMISSIONING AND MAINTENANCE OF ELECTRONIC TRAFFIC SIGNAL SYSTEM AT 30 LOCATION IN JAMMU CITY.**

The tenders must be accompanied with a CDR/FDR amounting to **Rs. 2,50,000.00 (Rupees Two lakh and Fifty Thousand only)** pledged to **Chief Accounts Officer, Jammu Municipal Corporation** and should reach in the office of the **Chief Accounts Officer, JMC** on or before **18.01.2012 upto 04:00 PM** which shall be opened on the **19.01.2012** 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 bids will be opened and after the technical evaluation, the date of opening of financial bids will be intimated to the eligible / technically qualified bidders. The detailed tender document along with terms and conditions 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. 1,000.00 (rupees one thousand only)** non refundable from **24.12.2011 to 04.01.2012**.

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. 1,000.00 (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: MJ/Estt./S/521-524**

**Dated: 24.12.2011**

**Sd/-  
Joint Commissioner (Adm.)  
Municipal Corporation  
Jammu**

**Copy to the:-**

- 1 Principal Secretary to Govt., Housing & Urban Dev. Deptt., J&K Govt. Civil Secretariat, Jammu for kind inf.
- 2 Commissioner, Municipal Corporation, Jammu for inf.
- 3 Press & Electronic Media Officer, JMC for inf and for its publication in two local daily and one national newspaper.
- 4 I/C Computer Section, JMC for inf and with the direction to upload the tender on the official website of JMC.

# JAMMU MUNICIPAL CORPORATION



## TENDER DOCUMENT

*FOR*

SURVEY, DESIGN, SUPPLY, INSTALLATION, COMMISSIONING AND  
MAINTENANCE OF ELECTRONIC TRAFFIC SIGNAL SYSTEM IN  
JAMMU



ISSUED BY:

**JAMMU MUNICIPAL CORPORATION**

*3<sup>rd</sup> Floor, Town Hall, Jammu J&K-180001 (India)*

*Tel. No. +91 191 2542192, Fax. No. +91 191 2547846*

*Email: [jmcjammu@rediffmail.com](mailto:jmcjammu@rediffmail.com), Website: [www.jmc.nic.in](http://www.jmc.nic.in)*

**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.
- JMC is performing the responsibilities of up keeping and maintenance of civic amenities including Solid Waste Management of Jammu City.
- The jurisdiction of JMC comprises of 71 Wards, 3 zones and 2 divisions spread over an area of 112 sq. km.

**2. AIMS AND OBJECTIVES:**

- The Jammu Municipal Corporation intends to install Micro processor based Electronic Traffic Signal System (presently stand alone system) in the Jammu Municipal Corporation limits at 30 locations (identified & listed). Such system should be capable of further expansion and upgradable to integrated Intelligent Traffic System, in phases.
- JMC wants to improve upon the existing system in order to ensure orderly movement of traffic so as to decongest as well as reduce accidents and also to modernize the traffic management and to integrate with intelligent traffic management system.

**3. TECHNICAL SPECIFICATIONS:**

1. Electronic Traffic signals shall be installed on the tublar poles which shall be of following specifications:

- 1 (a) Poles shall be of 6 mtrs height straight pole M.S. Tubular Pipe as per ISI1239 (part -1) B class with minimum 100mm dia (duly painted) so as to save them from corrosion and other vagaries of weather.
- 1(b) Poles shall be fitted on a baseplate. Design (including drawings) and specification of poles, baseplates ( with details of paint etc. to be used) should be annexed, alongwith the offer.
2. Lights shall be LED Type 300mm Diameter equipped with timer device and UPS with battery back up of minimum 6 hours. The Quality & luminance of LED's should be mentioned, in detail, along with the offer.
3. Cables shall be ISI specified and properly armoured, as per ISI's specifications.
4. Cable shall be protected with M.S. Pipe / HDPE pipes of ISI specification etc., underground in order to provide protection to the cables.
5. Laying of cables shall be trench less by way of latest technology available in the market with the help of machines required for the purpose.
6. Controller shall be Vehicle Actuated and upgradable to Intelligent Traffic system and with provision for online connectivity through GPS and GPRS/Cables/Optical Fibre etc.

#### **4. PREQUALIFICATION / ELIGIBILITY CRITERIA:**

- The Firm / Company should be registered (certificate of registration to be attached).
- The company shall be certified with the ISO/TL 9000 / ISO 9000-2008 or equivalent (supporting documents to be attached).

- The company should have the experience of successfully completing survey, design, supply, installation, testing and commissioning contracts of controlled traffic signals of atleast minimum 10 Signals System in big cities during the last 2 years (satisfactory performance certificate from appropriate authority shall have to be attached with the offer).
- The tenderer should have government approved electrical contractor licence (copy of the same should be attached with the tender).
- The tenderer should be able to supply materials for controlled Traffic Signals as and when required.
- Power connection shall be provided by the corporation only upto the controller. However, requisite materials etc. shall be provided by the vendor.
- Considering skills and resources needed to implement the Project, a Consortium of two or more Companies may bid for the project. However, one of the members of the consortium should act as the Prime Bidder and will be responsible for discharging the responsibilities. It is the Prime Bidder who should submit the bid complete in all aspects on behalf of the members. Payments will be released to Prime Bidder only. The bidder must possess the requisite technical experience, capabilities and financial strength to provide the services described in the bid document.
- The tenderer should have experience of conducting study of controlled Traffic Signal in the city and junctions including Traffic engineering and improvement plans, development plans using software etc also. Tenderer should have sufficient no.s of permanent traffic engineers to conduct such studies.

- The bidders shall have to furnish a list of adequately qualified personnel with the offer.
- All certificate / evidence shall be duly attached / certified all work / experience details should be furnished with attested copies of evidence.
- The company should have a minimum average turnover of Rs. 1.00 crore (Rupees One crore) per year during the last three years from similar related activities (copy of the last three years audited balance sheet to be attached).
- The tenderer is expected to examine carefully all instructions, conditions, forms terms, specifications in the tender document. Failure to comply with requirement of tender, submission will be at the tenderers own risk which may in any way affect the work or the cost thereof.
- Should a tenderer find any omission or any discrepancy in the tender document or should be in doubt as to their meaning, he should immediately address a query in writing to tender issuing authority.
- JMC will entertain and offer clarifications to any such query/queries only if they are received on or before 3 days of receipt of tenders in the office of Commissioner, JMC. Written copy of the response, including a description of inquiry but without identifying its source will be sent as an addendum to all qualified tenderers. Any verbal information and or clarification given by any representative of the JMC shall not be binding on the Commissioner, JMC.

## **5. 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 Installation of Electronic Traffic Signal

System in Jammu City". 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 / Manger / 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. 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 2,50,000/- (two lacs and fifty thousand only) duly pledged in favour of Chief Accounts Officer, Jammu Municipal Corporation, payable at Jammu. CDR/FDR shall be valid for atleast 24 months. The successful lowest tenderer shall have to renew/extend its validity till the defect liability clause is over.

**Earnest Money Deposit:**

The Earnest Money Deposit (EMD) amounting to Rs. 2.5 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.

**B. Contents of Envelope – B:**

The Envelope – B shall contain the following documents:

1. A copy of registration certificate of the company / firm
2. Certificate of ISO /TL 9000 / ISO 9000-2008 or equivalent.

3. Experience certificate/work order regarding working in the field of Installation of Traffic Signal System.
4. 3 years Audited Balance sheet duly certified by Chartered Accountant.
5. Detailed Technical methodology of the proposed work including technical description of the system offered. Approach paper indicating how the deployed solution will work.
6. Details of equipment to be installed (Annexure - 1).
7. Profile of the Company.
8. Other statutory information (sales/service tax registration, Certificate of incorporation)
9. Information regarding current litigation debarring / blacklisting / expelling of bidder or an abandonment of work by bidder, if any

**C. Contents of Envelope-C**

The third envelop clearly marked as Envelope-C shall contain the prescribed financial offer / bid as mentioned in clause-9 "Format for the price 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. Such tender shall be liable to rejection.

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

S.NO.	EVENT	DATE
1.	Issuance & Sale of Tender Document	24 <sup>th</sup> Dec. 2011
2.	Close of sale of Tender Document	4 <sup>th</sup> Jan. 2012
3.	Submission of tender	18 <sup>th</sup> Jan 2012 (upto: 4:00PM)
4.	Opening of technical bid	19 <sup>th</sup> Jan. 2012
5	Opening of Financial Bid	Will be communicated to bidder who qualify in technical bid

Note:-The dates may be changed at the sole discretion of Jammu Municipal Corporation.

**7. INSTRUCTIONS TO TENDERER :**

- i. The tender not received upto the time specified above shall be rejected.
- ii. 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.
- iii. 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.
- iv. Proposals of only those tenderers would be evaluated further who meet all the above Eligibility Criteria.
- v. To facilitate evaluation of proposals, Jammu Municipal Corporation at its sole discretion may seek clarification in writing from any Tenderer regarding its proposal.
- vi. All the necessary documentary proof with respect to above mentioned parameters should be submitted for consideration of Evaluation Committee with the tender.
- vii. Tenderer may be asked to give presentation. The date and time and venue of the presentation will be communicated.
- viii. 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.
- ix. The firm should invariably also give the address of its nearest service centre and the time limit in case of any fault / breakdown of the system / device.

- x. Evaluation of the technical bid will be made by a Committee of Officers from JMC , Traffic , Transport and PWD Department

## 8. TERMS AND CONDITIONS

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.

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).

- It shall be considered that the tenderer has visited the site of work, fully acquainted himself with the local situations regarding materials labour and other factors pertaining to work and studied the locations before submitting the tender.
- **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.

- **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.

- **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.

- **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.

Any clarification required by the tenderer with regard to technical points mentioned in the tender pertaining to the job may be sought through correspondence or in person from the office of JMC during the office hours before the last date of submission of the tender.

- **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.

- **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 dully 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.

- **Cost and Currency**

The offer must be made in Indian Rupees only. Taxes, duty and other levies, as applicable at the time of submission of tender should be clearly mentioned separately as asked in the tender document otherwise it shall be presumed that the rates are inclusive of all these taxes. Rates and taxes quoted shall be presumed to be fixed and shall not be open to review

- **Time Period and AMC:**

The Time Period for competition of the project after signing of the agreement shall be 60 days. This will include installation and testing. The firm will be responsible for smooth operation of the system for a period of 2 years from the date of successful completion, installation & functioning of the allotted work and any defect /replacement of the equipment will be at the cost of the company. The company will also submit the rates & conditions for AMC (Comprehensive) i.e. 3<sup>rd</sup> year onwards for next 8 years i.e. upto the completion of 10<sup>th</sup> year. Cost to be given for each year of comprehensive AMC of the project either in abstract amount or as a percentage of the project cost. The AMC (comprehensive) shall cover, repair, maintenance and check up of all the equipment and accessories including consumables and fitting of new spares. The AMC (Comprehensive) shall come into force after the expiry of the guarantee/warranty period. The payments on account of AMC (Comprehensive) shall be released on 3 monthly basis against a certificate issued by concerned authority/designated officer confirming 95% to 98% up-time of the equipment during the service contract

period. No advance payments on account of AMC (Comprehensive) shall be made by JMC.

### **Guarantee/Warranty**

The guarantee/warranty shall cover entire equipment with all its accessories UPS and all consumables. This shall also cover the satisfactory performance with all accessories during these periods. In case the system or its any part supplied by successful tenderer develops any manufacturing defect or otherwise does not function properly/correctly during the guarantee period, the successful tenderer shall have to replace the equipment/repair the fault at their costs and expenses with in a period of **One day** from the date defect is communicated to them. The successful tenderer shall be bound to stock with the service engineer an adequate inventory of spares required for repair and maintenance of the equipment(s) to maintain their 95% to 98% uptime. During the guarantee period, software update if applicable shall be provided free of cost by the lowest tenderer.

The guarantee shall include all vacuum /non-vacuum parts. Pro-rate warranty shall not be acceptable.

- **Payment Terms**

- a) 10% mobilization advance on signing of the contract against a bank guarantee of equal amount.
- b) After successful installation and commissioning of the system and showing satisfactory report, the solution provider will raise the bill for the system alongwith the completion certificate.
- c) 80% of bill amount will be released after successful installation of equipment to the satisfaction of Traffic department and submission of bill.

- d) 7% amount will be released after 1 year and remaining 3% after the expiry of warranty period of 2 years.
- e) Statutory taxes like service/sales/income tax which are to be deducted at source will be deducted from all bills according to rules in force at the time of payment

- **Penalty**

Solution Provider should deliver all the deliverables according to time line. Failure to do so will attract a penalty of 1% per week of the cost given. If the delay is more than 2 months than JMC will be at liberty to terminate the contract by giving written notice to the Solution Provider. Besides seizure of CDR and Bank Guarantee over coercive measure (at sole discretion of JMC) shall follow.

- **Indemnity**

Successful tenderer shall indemnify, protect and save JMC against all claims, losses, costs, damages, expenses, actions suits and other proceeding, resulting from infringement of any patent, trademark, copyright etc. or such other statutory infringements in respect of all the equipment or software supplied by him.

- **Publicity**

Any publicity by the successful tenderer in which the name of JMC is to be used should be done only with the explicit written permission of the Commissioner.

- **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.

- **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.

- **Legal jurisdiction**

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

### **Force Majeure**

Any failure or omission to carry out the provisions of this contract shall not give rise to any claim by JMC and the successful tenderer one against the other if such failure/omission arises from an act of God which shall include all acts of natural calamities such as fire, floods earthquakes, hurricanes or any pestilence of civil strikes compliances with any statute of regulations of Govt. lockouts, strikes, riots, embargoes or from any political or other reasons beyond the control of JMC or the successful tenderer including war ( whether declared or not) civil war. However, force majeure clause shall not apply for the installation of the equipments, its repairs and maintenance by the company's engineer and the service contract after the expiry of the guarantee/warranty period.

### **Agreement**

The successful tenderer shall have to execute a formal agreement both for equipment and CMC within a period of 10 days from the date of communication of the acceptance of their tender. All expenses on account of stamps, registration and other related charges shall be borne by the successful tenderer. It will be the

duty of the successful tenderer to impart training to traffic personnel regarding operation of traffic signal lights.

9. FORMAT FOR THE PRICE BID

(Tenderers shall quote their price offer in following format only)

To,

**Commissioner**  
 Jammu Municipal Corporation  
 Town Hall, Jammu.

I/We hereby tender for the execution of the Installation of Traffic Signal System in Jammu City for the price as quoted below,

**PRICE BID**

S.No.	Item Description	Price per unit (in Rs.)	Quantity	Total Price
1	Cost A: Tender for Installation of Electronic Traffic Signal System in Jammu City including maintenance for Two years			

2. **Cost B:** AMC (comprehensive) from 3<sup>rd</sup> year to completion of 10<sup>th</sup> year      As detailed in "Terms & Condition, Time period of AMC" page: 10

**NOTE:** Financial bid shall remain valid for a period of at least 04 months from the date of opening of technical bid.

The tenderer shall also indicate the cost, per junction, separately for two way, three way, four way, five way junction.

**Signature**

**Signature of Witness**

**Signature of Tenderer**

10. List of 30 vital locations that have been identified in Jammu City where traffic signals / lights needs to be installed on priority basis in the first phase:

- 1) Satwari Chowk
- 2) Main Stop, Gole Market
- 3) Green Belt, Gandhi Nagar, Jammu
- 4) Chattri Point Gandhi Nagar, Jammu
- 5) Bikram Chowk
- 6) Jewel Chowk
- 7) KC Crossing
- 8) Shakuntla Crossing
- 9) Medical College
- 10) Ambphalla Chowk
- 11) Canal Head Crossing
- 12) Bakshi Nagar, Pulli
- 13) Talab Tillo Chowk
- 14) BSF Paloura Crossing
- 15) Radio Station Crossing
- 16) Library Chowk
- 17) Vigilance Rotary
- 18) Parade Chowk
- 19) Rameshwar Temple
- 20) Shalamar Chowk
- 21) Indra Chowk
- 22) Viveka Nand Chowk
- 23) Shahidi Chowk
- 24) Panama Chowk
- 25) Janipur Main Chowk
- 26) Janipur-Roop Nagar Crossing
- 27) High Court Turning
- 28) Kunjwani Chowk
- 29) Narwal Chowk
- 30) Bathandi-By Pass Point