



# RAJKOT MUNICIPAL CORPORATION

## RAJKOT

Name of Work :

**Supply, Installation, Testing and Commissioning (SITC) of New Central LED Street Lighting including Comprehensive O&M for 5 (Five) years for 1) Satellite Chowk Road and 2) Navagam Main Road 3) Parul Smriti Van Road**

Sr. No.	Event Description	Mile Stone Date
1	Start of download of E-tender	Dt. 23.08.2024 to Dt. 20.09.2024 up to 18:00 Hrs.
2	Last date of online submission of E-tender	Dt. 20.09.2024 up to 18:00 Hrs.
3	Date of submission of physical document <b>EMD, Tender fee and other documents.</b>	Up-to Dt. Dt. 27.09.2024, 18:00 Hrs
4	Pre - Bid Meeting	Dt. 09.09.2024 at 11:00 hrs
5	Opening of technical bid and verification of physical documents - <b>EMD, Tender fee and Other documents, if possible.</b>	Dt. 30.09.2024 at 11:00 hrs
6	Opening of On-line price bid (if possible)	Dt. 01.10.2024 at 11:00 hrs
7	Validity of Bid	120 days from last date of opening of technical bid

### **TECHNICAL BID**

**Additional City Engineer - Roshni Department**

**Rajkot Municipal Corporation**

**“Shri Zaverchand Meghani Bhavan”**

**East Zone Office, Room No. 2**

**Bhavnagar Road, RAJKOT – 360 003.**

# RAJKOT MUNICIPAL CORPORATION

## e-TENDER NOTICE

E-tenders are invited by Rajkot Municipal Corporation for below mentioned work from reputed and financially sound contractor, fulfilling tender criteria and working with any Govt. or Semi-Govt.

Sr. No.	Name of the work	Details
1	<b>Supply, Installation, Testing and Commissioning (SITC) of New Central LED Street Lighting including Comprehensive O&amp;M for 5 (Five) years for,</b> 1) Satellite Chowk Road 2) Navagam Main Road 3) Parul Smriti Van Road	1. Estimated Cost: Rs. 42,50,000/- 2. Amount of EMD: Rs. 42,500/- 3. Tender Fee: Rs. 1875/- (Non refundable) 4. Time limit for completion of work : 04 Months

Full Tender is available on: <https://rmctender.nprocure.com/> or <https://tender.nprocure.com/> and Sub Domain as Rajkot Municipal Corporation

### Qualification Criteria:

1. The bidder should have successfully completed or substantially completing at least ONE work of similar nature & magnitude of 40% (i.e. Rs. 17 lakhs) in either government or semi government in period within last seven years.

Substantially completing means those works which are at least 90% completed as on the last date of submission of the tender and continuing satisfactorily. Necessary evidences/certificates must be submitted with the tender.

2. The bidder shall have to submit the required certificate from the competent authority.
3. The bidder must have valid **Electrical Contractor License**
4. The bidder must have valid Registration in **Category "E-1" and above** in Electrical Division of R&B, Govt. of Gujarat.
5. **GST** Registration & **PAN** Registration
6. **PF** Registration & **ESIC** Registration
7. **Professional Tax Registration (PEC and PRC)**
8. The agency must have achieved a minimum annual turnover in any one year over the last seven financial years of the value of the contacts applied for. i.e. 42.5 lakhs. Chartered Accountant certified copy for the turnover to be submitted. Enhancement factor at 10 % per year for last seven financial years will be applicable. CA certified TO Certificate must be provided for last seven financial years.
9. **Solvency Certificate of Rs. 2 (Two) lacs and above** must be submitted and should not be older than one year from the last date of submission of this tender.
10. In case of any queries related to the tender, the prospective bidder may email the same to Shri N S Patelia, Deputy Executive Engineer on [nspatelia@rmc.gov.in](mailto:nspatelia@rmc.gov.in) prior to pre-bid meeting. Queries received after above mentioned time frame will not be entertained. Pre-bid meeting will be held at East Zone Office as per address given in the tender.

(I/C) Additional City Engineer  
Roshni Branch  
Rajkot Municipal Corporation.

## **SITE DESCRIPTION**

In order to promote the efficient use of energy and its conservation, RMC has planned to install LED street lighting on new center verge roads for following roads:

<b>Sr No</b>	<b>Name of the existing Central Lighting Road</b>	<b>Road Length in Mtr. (Approx.)</b>
1	Satellite Chowk Road (Satellite Chowk to Railway Bridge)	1200
2	Navagam Main Road (Police Choki to Navagam RMC Limit)	500
3	Parul Smriti Van Road (Balak Hamuman Chowk, Pedak Road to Kuvadva Road)	500

Some brief details of the roads:

- Total road width of each road is approx. 24 meter or less having two lanes on each side of the road.
- The road is having medium to high density of traffic throughout the day and till midnight.
- RMC is planning to install Central LED Lighting with octagonal poles of 8 Meter height with double arm bracket having 1 meter (or as per design) boom length and boom angle as per the requirement on site.
- The bidder is also advised to get himself acquainted with the site and situation thereof to assess the quantum and execution procedure of the work.

### **ELIGIBILITY CRITERIA FOR THE BIDDERS:**

1. The bidder must submit the Demand Draft of **Tender Fee Rs. 1875/-** and **EMD of Rs. 42,500/-** in the name of "Rajkot Municipal Corporation" payable at Rajkot with physical submission of the tender documents, failing which the tender will be rejected.
2. If the bidder is the Electrical Contractor, the bidder must have valid Electrical Contractor License. In case, if the bidder is the manufacturer/OEM of the LED luminaries, the Joint Venture will be permitted with Electrical Contractor for the said registration criteria only.
3. The bidder must have valid registration in "E-1" Class and above in the Electrical Division of R&B, Govt. of Gujarat. In case, if the bidder is manufacturer/OEM of the LED luminaries, the Joint Venture will be permitted with such Electrical Contractor for the said registration criteria only.
4. The bidder should have successfully completed or substantially completing at least ONE work of similar nature & magnitude of 40% (i.e. Rs. 17 lakhs) in either government or semi government in period within last seven years.

Substantially completing means those works which are at least 90% completed as on the last date of submission of the tender and continuing satisfactorily. Necessary evidences/certificates must be submitted with the tender.

**Note: "similar nature of work" means the bidder must have successfully completed and executed outdoor lighting/street lighting projects comprises of S.I.T.C. of HPSV/MH/LED lighting including erection and commissioning of outdoor street lighting poles, area lighting or S.I.T.C. of high mast lighting system. Such work experience will be considered for successful work completion during last seven financial years. The bidder must submit the copy of Completion Certificate with copy of Work Order for the same**

5. LED light fixtures manufacturers of India OR Authorized Distributors/ dealers/ having Authorization for supply from OEM of approved Brand of LED light fixtures manufacturers mentioned in the tender are only eligible to apply for this bid. Bidders having Authorization must submit the original authorization certificate from the manufacturer/OEM. Bidder can bid/quote for only one brand/make. Bidder is not allowed to bid/quote for multiple brand/make.
6. The bidder must submit the copy of valid Provident Fund Registration and ESIC Registration.
7. The agency must have achieved a minimum annual turnover in any one year over the last seven financial years of the value of the contacts applied for. i.e. 42.5 lakhs. Chartered Accountant certified copy for the turnover to be submitted. Enhancement factor at 10 % per year for last seven financial years will be applicable. CA certified TO Certificate must be provided for last seven financial years.
8. The bidder must submit the fresh (not older than one year as on last date of online submission of the tender) Solvency Certificate of Rs. 2 lacs.
9. The bidder must submit the copy PAN registration
10. The bidder must submit the NO BLACK LIST Affidavit/Declaration duly notarized on Rs. 300/- Stamp Paper as per format given in the tender.
11. The bidder must submit the copy of the valid GST and Professional Tax Registration (PEC and PRC)

12. Acceptance of the tenders will rest with The Municipal Commissioner, Rajkot Municipal Corporation, Rajkot, who does not bind himself to accept the lowest tender and reserves the right to reject any or all tenders without assigning any reason thereof.
13. The jurisdiction area is Rajkot.
14. All the documents/copies must be self certified or duly attested by the gazetted officer.
15. The bidder must sign and stamp on each page of this tender documents and submit with technical bid.
16. E-tender shall duly completed in all respect shall be submitted online (price bid) and one set (hard copy) of tender documents (technical bid only) including addendum, if any and other supportive documents as required in this tender, duly stamped & signed in all pages shall be submitted with physical submission at the following address on or before the date and time mentioned in tender notice by **RPAD/ SPEED Post only**. (Submission of physical documents only).

If any tender documents are received after the specified last date and time of the submission, all such tender documents will be rejected on the basis of late submission without any other reasons assigned thereof.

**Additional City Engineer  
Roshni Department  
Rajkot Municipal Corporation  
Shri Zaverchand Meghani Bhavan  
East Zone Office, Room No. 2  
Bhavnagar Road, RAJKOT-360003**

**CHECKLIST FOR SUBMISSION OF DOCUMENTS (ONLINE AND OFFLINE)**

The bidder must submit the relevant documents as per below:

<b>Sr No</b>	<b>Document Name</b>	<b>ONLINE SUBMISSION</b>	<b>OFFLINE SUBMISSION</b>
1	Tender Fee	Scan Image of DD	Original DD
2	EMD	Scan Image of DD	Original DD
3	Tender Documents, Corrigendum etc	--	Duly signed and Stamped tender documents/corrigendum
4	Electrical Contractor License	Scan Image of DD	Photo copy
5	R&B Electrical Category Registration	Scan Image of DD	Photo copy
6	GST & PAN	Scan Image of DD	Photo copy
7	PF & ESIC	Scan Image of DD	Photo copy
8	Profession Tax (PEC and PRC)	Scan Image of DD	Photo copy
9	Solvency Certificate	Scan Image of DD	Photo copy
10	No Blacklist Agreement	--	Photo copy
11	CA Turnover Certificate	Scan Image of DD	Photo copy
12	Work Experience Credentials	Scan Image of DD	Photo copy
13	OEM Authorisation for Tender Participation, Technical/Service Support and Guarantee Support for 5 years	--	Photo copy
14	LED Test Reports, TDS, LM-79, LM-80 etc	--	Photo copy

**Note: The bidder must submit all relevant documents as per qualification criteria and tender conditions. No correspondence to the agency will be done for shortfall documents.**

E-tender shall duly completed in all respect shall be submitted online (price bid) and one set (hard copy) of tender documents (technical bid only) including addendum, if any and other supportive documents as required in this tender, duly stamped & signed in all pages shall be submitted with physical submission at the following address on or before the date and time mentioned in tender notice by **RPAD/ SPEED Post only**. (Submission of physical documents only).

If any tender documents are received after the specified last date and time of the submission, all such tender documents will be rejected on the basis of late submission without any other reasons assigned thereof. RMC will not consider any postal delay for submission of the tender documents.

**Additional City Engineer  
Roshni Department  
Rajkot Municipal Corporation  
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## **COMMON TERMS AND CONDITIONS OF THE TENDER**

- I. The conditional tender will not be accepted and will be rejected outright.
- II. The tender for the work shall remain open for a period of 120 days from the last date of opening of technical bid and the bidder shall not be allowed to withdraw or modify the offer on his own during this period. Any modifications or additions in terms and conditions of this tender not acceptable to The Municipal Commissioner, Rajkot Municipal Corporation, Rajkot shall without prejudice to any right or remedy, be at liberty to forfeit in full said earnest money absolutely.
- III. RMC reserves the right to reject all the tenders of the lowest or any other tender which is the judgment of the RMC and also does not appear to be in its best interest and the bidder shall have no cause of action or claim against the RMC of its officers, employees, successors for assignees for rejection of its tender.
- IV. It must be clearly and distinctly understood that the conditions of contract and specifications shall be rigidly enforced and no relaxation on the grounds of customs prevailing shall be allowed.
- V. The quoted rates online in the Financial Bid shall be inclusive of all duties, levies, surcharges etc but Exclusive of GST.
- VI. **It is considered that the bidder has visited the site of work, fully acquainted himself with the local situations regarding materials, labour, scope of the work and other factors pertaining to work at site and studied the design, plans and estimates before submitting the tender. No further price escalation will be entertained in redesign of any of items related to this project.**
- VII. It will be the responsibility of the bidder to arrange for necessary import license and clearance of Govt. of India in time, if required, so that the imported plant or equipment could be utilized for the proposed work.
- VIII. **RMC may award new work/new site other than sites mentioned in this tender at approved tender rates. Work Completion time limit will be will be 4 months from the date of issue of the work order of such site. RMC may also reduce/withdraw/modify any site/road/work mentioned in this tender without giving any reasons and that shall be binding to the agency.**
- IX. The work is to be completed in all respects as per the time schedule from the date of written order to be commencing the work. Within this period, the bidder shall take approval of all documents & drawings and as per tender specification from relevant Engineer-in-charge.
- X. All fees, Royalty or rent of any land/Ware house to store any material related to any project will be paid by bidder.
- XI. In execution of work, if any connection of electricity cable, telephone line, water supply line, underground drainage line, gas line, govt. utility or any private utility or property will be damaged by any person or machinery or equipment of bidder, all responsibility for such damages lies with the bidder and the bidder has to compensate the same and to put it the same in proper workable condition.
- XII. **O & M period shall commence from the date of issue of satisfactory Commissioning Certificate for each site/work as per Work Order or Sub Work Order.**

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ADD. CITY ENGINEER

## **GENERAL CONDITIONS OF CONTRACT**

## **1.0 Definitions**

In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Purchaser and the Bidder, as recorded in the Contract Form signed by the parties. Including all attachments & appendices thereto and all documents incorporated by reference therein;
- (b) "The Contract Price" means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations;
- (c) "The Goods" means all of the equipment, machinery, and / or other materials which the supplier is required to supply to the Purchaser under the Contract;
- (d) "Services" means services ancillary to the supply of the Goods, such as transportation & insurance, and any commissioning, provision of technical assistance, training and other such obligations of the Bidder covered under the Contract;
- (e) "The Purchaser" means the Organization purchasing the Goods; and
- (f) "The Bidder" or "The Tenderer" or "The Agency" means the individual or firm supplying the Goods/Works under this Contract.

## **2.0 Standards**

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Good's country of origin and such standards must be appropriate with Indian standards shall be the latest issued by the concerned institution.

## **3.0 Patent Rights**

The Bidder shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

## **4.0 Security Deposit**

The successful bidder has to submit the Security Deposit @5% of Contract Value in the form of Bank Guarantee or FDR issued by Nationalized/Scheduled Bank before signing the contract for the period of 66 months.

The full security deposit amount shall be refunded, without any interest, after deduction of dues, taxes, penalties etc. (if any) after successful completion of defect liability period. All such Bank Guaranteed/FDR must be having validity period of 66 months. It must be extended /renewed if required.

The bidder has to pay necessary Stamp Duty as per prevailing rules at the time of execution of agreement.

## **5.0 Tools & Tackles:**

All tools and tackles required for the job shall have to be procured by the contractor at his cost and they will be retained their property. The contractor will have to maintain reliable sets of tools and tackles in adequate quantities so as to complete the job as expeditiously as possible.

## **6.0 Inspections and Tests**

The Purchaser or its representative shall have the right to inspect and / or to test the Goods to confirm their conformity to the Contract. The special conditions of contract and / or the Technical Specification shall specify what inspections and tests the Purchaser requires and where they are to be conducted. Mostly inspections and tests may be carried out of goods origin place and it is willingness of purchaser to conduct it or not. The Purchaser shall notify the Bidder in writing of the identity of any



representatives retained for these purposes.

The inspections and tests may be conducted at goods' origin or on the premises of the Bidder with agency, at point of delivery and / or at the Good's final destination. Where conducted on the premises of the Bidder, all reasonable facilities and assistance (including access to site, drawings and production data) shall be furnished to the inspectors at no charge to the Purchaser.

If any inspected or tested Goods fail to conform to the Specifications/tender conditions, the Purchaser may reject them and the Bidder shall either replace the rejected Goods or make all alterations necessary to meet specification requirements free of cost to the Purchaser.

The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Good's arrival on site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods' shipment from the Place of origin inspection of any material.

Nothing in above clause shall in any way release the Bidder from any warranty or other obligations under this Contract.

At random sample will be collected from ordered - materials is received at site/store and taken to Govt. recognized institution / laboratories for testing under relevant standard only getting satisfactory test report certificates same shall be accepted and payment will be processed. All expenses to carry-out any tests will be born / deposited by the bidder. Bidder or his authorized representative can remain present during sampling. If any test fails the contractor has to replace the same within 10 days.

RMC will engage TPI agency, if required, from its approved agencies and RMC will borne all the cost related to such Third Party Inspection (TPI). The bidder is fully responsible to repair, replace or re-arrange the goods/materials/workmanship of all nature, if the same is failed in TPI. The decision of TPI Agency and RMC shall be final and bound to the bidder in this respect.

RMC may visit the manufacturer's site, testing laboratory etc. to witness QAP, inspections, routine Tests etc., if required. The cost for such visit, conveyance etc. will be borne by the bidder.

#### **7.0 Performance Backup Charges**

The bidder must submit FDR or Bank Guarantee issued by Nationalized/Scheduled Bank of 05% of total amount of actual work done as Performance Backup Charges (Other than the Security Deposit) after the successful completion of the project/work and before preparation of final bill. The same will be returned to the contractor after completion of defect liability period. No interest will be paid on this Performance Backup Chagres.

All such Bank Guarantee/FDR must be having validity period of 66 months. It must be extended /renewed if required.

#### **8.0 Transportation**

Where the Bidder is required under the Contract to deliver the Goods, FOB, transport of the Goods, up to and including the point of putting the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Bidder, and the cost thereof shall be included in the Contract Price.

Where the Bidder is required to affect delivery under any other terms, for example, by post or to

another address in the source country, the Bidder shall be required to meet all transport and storage expenses until delivery.

#### **9.0 Guarantee Period/Defect liability:**

The successful bidder shall have to stand guarantee against bad workmanship and supply of poor quality and / or defective materials for **05 years** after the date of successful completion of the total installation(s) and handing over the same to RMC. Any defect / discrepancy detected during this guarantee period will have to be made good by the contractor at his costs and risks.

If, by any reason, RMC is required to rectify such defects/ discrepancies detected during this guarantee period/defect liability period, the entire cost involved will be released from the dues payable to the contractor bills / Bank Guarantee by RMC.

In case of damage to the any parts of the project/system occurred due to external accidents, casualties or damages due to natural calamities, the bidder must restore the project or parts thereof without any additional payments towards the labour work. However, RMC will pay the bidder for the supply of the material as per the tender approved rates or as per prevailing SOR of RMC during the whole Performance Guarantee Period or Defect Liability Period.

#### **10.0 Assignment**

The Bidder shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

#### **11.0 Sub contracts**

The Bidder shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in his Tender. Such notification, in his original Tender or later, shall not relieve the Bidder from any liability or obligation under the Contract.

#### **12.0 Delays in the Bidder's Performance**

Delivery of the Goods and performance of Services shall be made by the Bidder in accordance with the time schedule specified by the Purchaser.

In case of any such delay or poor work, RMC will impose the penalty @0.2% of the contract value per day maximum to 10% of the contract value given in the work order. However, if such delay is prolonged beyond the required realization of the project or an unexcused delay by the bidder in the performance of its delivery obligations shall render the bidder liable to any or all of the following sanctions: i) forfeiture of its performance security, ii) imposition of liquidated damages, iii) and / or termination of the contract for default. The Municipal Commissioner, RMC reserves the rights to terminate the contract during contract period without assigning any reason and even black list the bidder.

#### **13.0 Force Majeure**

The Bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

For purposes of this clause, "Force Majeure" means an event beyond the control of the Bidder not involving the Bidder's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Bidder shall and promptly notify the Purchaser in

writing of such condition and the cause thereof, Unless otherwise directed by the its obligations under the Contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**14.0 Termination for Insolvency**

Every contractor shall, unless exempted in writing by the Concerned Engineer, produce along with his tender a solvency certificate of his financial ability. If he fails to produce such a certificate his tender will not be considered.

The Purchaser may at any time terminate the Contract by giving written notice to the Bidder, without compensation to the Bidder, if the Bidder becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

**15.0 Governing Language**

The Contract shall be written in the language of the bid, as specified by the Purchaser in the Instruction to Bidder. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in that same language.

**16.0 Applicable Law**

The Contract shall be interpreted in accordance with the Indian laws.

**17.0 Notices**

Any notice given by one party to the other pursuant to the Contract shall be sent in writing (or by Letter/fax/scanned copy through email) to the address specified for that purpose in the Special Conditions of Contract. Any notice shall be effective when delivered or on the notice's effective date, whichever is later.

**18.0 Taxes and Duties**

Customs / import duty, excise duty or any other such taxes (except GST) on finished products, tax on works contract and turnover taxes, if any, paid by the Contractor under any central, state or local government rules and regulations will be included to the Contract Price. Only GST at prevailing rate will be given to the bidder.

**19.0 Child Labour Act**

No Contractor shall employ any child having less than 18 years, as it is prohibited by the Child Labour Prohibition and Regulation Act, 1986. The bidder is fully responsible to follow the related regulations of such act.

**20.0 Brand Names**

The make of equipments shall be as per attached list. If make of a particular item is not given in the tender, then prior approval of RMC for that make must be required.

**21.0 Insurance**

The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified or directed by EIC.

This project is with comprehensive O&M of five years, any parts/spares/components of the whole project are stolen by any means and damage by any accident, the contractor has to replace the same without any extra charges.

## **22.0 Extra Item of Work**

The extra work beyond tender item, if required to be executed during course of execution of regular work shall have to be carried out by the contractor as per the instructions and satisfaction of the Engineer-in-charge. This will be paid separately as per prevalent SOR of RMC and if any such item rates are not approved under prevalent RMC SOR then based on R & B SOR payment will be done. And Even if such item rates are not covered under RMC & R & B SOR then detail rate analysis made by the department Market rates will be paid for such items. Additional City Engineer RMC will be authorized to approve such market rates.

If in the interest of the RMC it is necessary to change either any site or the design of the proposed work the Contractor shall carry out the same at his quoted rates without charging any extra and he will be paid at the rates quoted by him and no claim for extra amount for subsequent changes made will be entertained.

## **23.0 Measurement of Work**

The measurements of work will be taken according to the usual method in use in the Rajkot Municipal Corporation and no proposals to adopt alternative methods will be accepted. Add. City Engineer's decision as to what is 'the usual method in use in the Rajkot Municipal Corporation' will be final.

## **24.0 No claim to any payment or for restriction of work**

In the case of such delay in the supply of materials, RMC shall grant such extension of time for the completion of the works as shall appear reasonable in accordance with the circumstances of the case. The decision of RMC as the extension of time shall be accepted as final by the Contractors.

Action and compensation in case of bad work : If, at any time before the expiry of defects Liability, period, it shall appear to Additional City Engineer or EIC of the work, that any work has been executed with unsound, imperfect or unskilled workmanship or with materials or inferior quality or that any materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for or are otherwise not in accordance with the contract, it shall be lawful for Additional City Engineer to intimate this fact in writing to the Contractor and then notwithstanding the fact that the work, materials or articles complained of, may have been passed, certified and paid for, the Contractor shall be bound forthwith to rectify, or remove and reconstruct the work so specified in whole or in part as the case may require, or if so required shall remove the materials or articles so specified in whole or in part and provide other proper and suitable materials or articles at his own charge and cost, and in the event of his failing to do so within a period to be specified by The Additional City Engineer in the written intimation aforesaid, the Contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate of the rectification for every day not exceeding ten days during which the failure so continues, and in the event of any such failure as aforesaid continuing beyond ten days, Additional City Engineer may rectify or remove, and re-execute the work or remove and replace the materials complained of, as the case may be at the risk and expense in all respects of the Contractor should The Additional City Engineer consider that any such inferior work of materials as described above may be accepted or made use of, it shall be within his discretion to accept the same at such reduced rates as he may fix therefore, However, the contractor shall be responsible for normal maintenance of the work till the final bill for the work is prepared by the engineer / officer of RMC.

## **25.0 Defect Liability Period (60 Months):**

The Contractor shall be responsible to make good and remedy at his own expense any defect which may develop or may be noticed before the period mentioned hereunder from the certified date of completion. The Engineer-in-charge shall give the Contractor a notice in writing/by e-mail/in verbal

about the defects and the Contractor shall make good the same within 48 hours of receipt of the notice.

In the case of failure on the part of the Contractor, Engineer-in-charge may rectify or remove or re-execute the work at the risk & cost of the Contractor. The Engineer-in-charge shall be entitled to appropriate the whole or any part of the amount of the security deposit towards the expenses, if any, incurred by him in rectification, removal or re-execution.

The Defects Liability period shall be as under:

(a) The period shall be 60 months from the date of start of O & M period.

The successful bidder shall have to maintain the whole project in complete working condition for 60 months from the successful installation and commissioning of the project. In case, the agency is failed to maintain the working of the street lighting system as per the O&M conditions of the tender, the Municipal Commissioner reserve rights to blacklist the agency and to forfeit the bidder's Performance Backup Charges as well as Security Deposit.

#### **26.0 Setting out the Works**

The Contractor shall be responsible for the true and proper setting out of the works in relation to original points, lines and levels of reference given by the Engineer in writing or shown on the Drawings and for correctness, subject as above mentioned in the position, levels, dimensions and alignment of all parts of the works and for the provision of all necessary instruments, appliances and labor in connection therewith.

#### **27.0 Amenities to be Preserved**

The Contractor shall cause the least possible interference with the existing amenities, whether natural or manmade. No tree shall be removed/cut without permission of the Engineer's Representative and clearance of the site shall generally be kept to the minimum necessary for the works and temporary works. Temporary works shall be sited so as minimize the number of trees to be cut.

All necessary actions for any diversion of traffic shall be arranged by the contractor with all indicating signboards while work in progress with adequate lighting system during night period.

#### **28.0 Safety Measures and Services**

The Contractor shall be responsible for the safety of all workmen and other persons entering or in the works and shall take all measures necessary to ensure their safety to the approval of the Engineer's Representative.

Contractor shall provide and maintain at his own expenses all lights, guards, fencing and necessary watchmen when and where necessary or as required by Owner / Engineer for the protection of the works or for the safety and convenience of those employed on the works and the public. Contractor shall also provide at his cost traffic barricades, men for diverting and controlling traffic, necessary sign boards for diversion of traffic. In the event of failure on the part of Contractor, Owner may with or without notice to Contractor put up a fence or improve a fence already put up or provide and/or improve the lighting or adopt such other measures as he may deem necessary, and all the cost of such work and procedures as may be adopted by Owner/Engineer shall be borne by Contractor. Maintenance of adequate warning and general lighting at nights at place of work is essential.

Contractor shall take the necessary permission and clearance of all the authorities like department of Roads, traffic, Water Supply and Drainage; Electricity Board, Telephone Company, etc. Wherever necessary and observe the regulations regarding the execution of work in congested areas, heavy

traffic areas, etc.

**29.0 Liability of accidents to persons**

In the case of an accident, in respect of which compensation may become payable under Workmen's Compensation Act by the bidder.

**30.0 Clearing Site on Completion**

On completion of the Works, the Contractor shall clear away and remove from the site all Constructional Plant, surplus materials, rubbish, Temporary Works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of The Engineer-in-charge.

**31.0 Safe custody of stores:**

The bidder will be entirely responsible for all the erected poles and materials used by him for the works and the executed portion of the works till it is officially taken over by RMC.

It would be the responsibility of the bidder to keep the insurance policy alive throughout the entire period of execution and till the installation is handed over to RMC for any loss, damage or theft of materials and/or erected works before taking over by RMC.

**32.0 ST, IT & PT clearance etc:**

The bidder is responsible for ST, IT and PT clearance.

**33.0 Labor license:**

The bidder will have to abide by the provisions of contract labour (Regulation & Abolition) Act. 1970. For the purpose, principal employer's certificate would be issued by RMC, if required.

**34.0 Accidents:**

RMC shall neither be responsible nor shall be liable to pay any compensation for any accident caused to any worker / public arising out of execution of work / executed portion of work till it is finally taken over and handed over to RMC/Appropriate Authority.

**35.0 Stoppage of work:**

RMC shall not be responsible nor be liable to pay any compensation for any interruption of work in the field due directly to war, strike, civil commotion, lockout, risk, earthquake tempest, lightning, flood, cyclone etc. which occur beyond its control. Similarly, RMC also would neither be held responsible nor liable for compensation for stoppage of contractor's work in the field arising out of resistance / resentment of local public.

**36.0 Non-interference with existing services:**

During execution, the erection contractor will be required to take all precautionary measures not to interfere / dash / disturb with any service line for electrical, water, drainage, petro-products or similar other service. In case such things happen incidentally the same has to be made good at his own cost within least possible time so that public service is disturbed for a minimum period of time. In case of road cutting utmost cares should be taken not to disturb public transport facilities. After the work the road should be so repaired as to restore original shape. Whenever require, contractor should work in night shift also.

The successful bidder must coordinate with the other concerned authority/agency for smooth execution of the work. If the successful bidder is not able to co-ordinate with other agencies in time, any obstruction for other works like road, drain made by him will be corrected in his own

cost.

**37.0 Execution of work:**

Execution of the work should be carried out as per standard practices followed by the instructions of the Engineer-in-charge. Notwithstanding what has been stipulated in the specification or elsewhere in this tender, all works carried out and all materials supplied shall conform to relevant I.E. Rules and I.S.S. The work shall be completed in all respect including providing all sundry materials. All size given in this tender is tentative only, so bidder has to design all electrical items & get approval of all items before installation from Engineer-in-charge. All responsibilities which is either regarding faulty design or any reason where lighting not found as per the tender will be of bidder/lead partner.

**38.0 Comprehensive O & M work & Handing Over /Taking Over:**

After successful Supply, Installation, Testing and Commissioning of LED Street Lighting poles with related comprehensive Electrical, Mechanical & Civil Work including all necessary equipments, a Completion Certificate for SITC work has to be obtained from EIC for each work. Comprehensive O & M period for 5 (five) years for each Street light system work will commence after date of SITC work completion. During the Comprehensive O & M period agency has to keep complete street lights system in healthy condition. Agency has to rectify any faults arising in the street lights system during the Comprehensive O & M at his own cost. No extra charge will be paid for this. Delay in rectification more than stipulated time will be penalized as per penalty clause mentioned in the tender.

After successful completion of 5(five) years comprehensive O & M and on completion of the defect liability period of 60 months for street light systems time to time, RMC will take-over complete street light system as per tender condition (i.e. Complete street lights system must be in operational position with all accessories pole, cable, light etc. in working & healthy conditions).

**39.0 Formalities for Electricity Connection**

The contractor has to do necessary liaison like registering of application, submission of test report etc as and when required with PGVCL related to acquisition of electricity connection for street lighting. All the charges like Application Registration Charges, Demand Charges, and Test Report Charges will be reimbursed to the contractor against the submission of the original receipts.

**40.0 Electrical Supply & Technical Faults thereof**

The power source of the whole street lighting system of this project will be obtained from PGVCL (Local Electricity Distribution Company). RMC is not responsible for any kind of Over Voltage/Short Circuit/Under Voltage/Surges or any such technical faults that occur due to PGVCL's distribution network and the bidder has to replace/repair any or all parts/components of the project if damaged due to such technical faults/problems or has to make an arrangement for protection, voltage regulation etc on its own cost. No additional payments will be given towards such repair/rectifications.

**41.0 Spare stock of the material**

The contractor has to keep spare stock of the materials like LED fittings, LED lights drivers, poles, brackets, power cables etc as required to attend the repair/replacement immediately without making any delay in case of emergency.

**42.0 Validity Period (Enforcement Period) of approved rates and work contract**

RMC may change the road also from the given list in the tender. However, the tender approved rates and work contract will be valid till completion of SITC of LED streetlight system on all the sites mentioned in the tender from the date of Main Work Order and may issue work order on last day of the same for remaining/new work. The bidder shall not raise any objection in this regard or execution of part work of the total tendered work.

**43.0 Payments towards Running Account Bill (RA Bill)**

RA Bill/Advance payments will not be made for the said tender work.

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**SPECIFIC CONDITIONS RELATED TO COMPREHENSIVE O & M**

1. The agency has to do all necessary co-ordination with PGVCL to restore power supply failure.
2. The agency has to monitor the roads regularly and perform preventive maintenance.
3. The agency has to repair/replace the lights within 48 hours after receipt of the complaint failing which penalty of Rs. 100 per light per day will be imposed.
4. In case of faulty switchgear, timer etc and street light control/feeder pillar is not operating as per desired timing; the agency must repair such faults on the same day, failing which penalty of Rs. 1500 per day per street light control/feeder pillar will be imposed.
5. This is comprehensive O&M; hence the agency has to perform all civil, mechanical and electrical activities including all labor and material during the performance guarantee period.
6. If Street light control does not operate as per desired ON/OFF timings, penalty equivalent to 150% energy bills for such electrical load/extra hour's energy consumption charges will be imposed as per prevalent total energy charges.

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## **TECHNICAL SPECIFICATIONS**

### **Item No.1:**

#### **STREET LIGHT BRACKET**

SITC of street light bracket made from B Class GI pipe with hot-dip galvanization. The bidder has to procure and utilize the brackets of the same manufacturer/OEM, whose octagonal poles are being utilized for the project. Sample and design of the bracket must be approved before installation for verification of quality and material specifications.

The design of the bracket must be aesthetically appealing to the overall perspective of the project. The design should conform to relevant IS Standards considering various factors like wind velocity, corrosion resistivity as well as mechanical strength. Test certificates must be provided on demand.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises/Project Site.

### **Item No.2:**

#### **STREET LIGHT FEEDER PILLAR/CONTROL BOX**

The scope shall cover design, manufacture, supply, test, installation and commissioning of outdoor type section pillar/feeder pillar for street light with all material and labor.

The feeder pillar must be made up of 16 SWG CRC sheet with powder coating, inner neoprene rubber gaskets, 8mm thick hylam sheet with RYB indication lamps with necessary protection, auto/manual switch, suitable cable rolly, DIN rail, earth link, neutral link, locking arrangement, canopy, single side opening, hinged door arrangement, danger board, gland plate with appropriate entry holes as per cable size, to be mounted on pole or wall or on ground as suitable with necessary mounting clamps/arrangements. All internal wiring to be done using 4 Sqmm FRLS copper wire.

**Min. Size: 600mm X 750mm X 300mm**

#### **Specifications:**

- 1) I/C - 4 P, 63A, 10KA, MCB, B Curve: 1 No.
- 2) I/C - 4 P, 63A, 30mA, ELCB: 1 No.
- 3) O/G - SP, 10KA, MCB, 6-32A, B Curve: 6 Nos.
- 4) Astronomical Timer, 2 C/O, USB Interface: 1 No.
- 5) Power Contactor, 2 NO + 2 NC, 70A, AC3 Rating, 2 Nos.

The street light feeder pillars must be installed on fabricated structure of heavy strength as per site requirements. This work includes supply, installation of feeder pillar stand/pole with cable protection GI pipe and bend at site with all civil works, burial type foundation work, cutting, drilling, welding, alignment, coloring of the stand/poles and fitment of the feeder pillars on it with all labor, material, loading, unloading and transportation at/up to site as per the instructions of EIC.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises for total lot of the project.

**Item No.3:**

**1.5 SQMM, 3 CORE, COPPER FLEXIBLE CABLE**

Supply of 1.5 Sqmm, 3 Core, PVC/XLPE insulated, multi-stranded, unarmored, flexible copper cable as per relevant IS and supplied at site with all loading-unloading.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises for total lot of the project.

**Item No.4:**

**POLE FOUNDATION AND CIVIL WORK**

Pole foundation cement concreting civil work as per 1:1.5:3 (M20) including excavation, digging, leveling, caging, curing, watering, muffing, smooth surface finishing etc. using two nos. of 32mm cable entry PVC pipe of required length and related all civil works using 53 grade cement (Make: Ambuja, Ultratech, Hathi, Siddhi, Sanghi, Binani) at site with supplied foundation bolts.

The cost of the foundation bolts and TMT Steel bar is not covered in this item. The measurement will be made on the basis of outer dimensions of RCC foundation work. The foundation must be done in accordance of the design of the pole manufacturer considering the central median width of the road. Necessary GA Drawing/Foundation Drawing must get approved from EIC before the commencement of the work.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at project site.

**Item No.5:**

**REINFORCED STEEL/TMT BARS FOR CAGING**

Supply of ISI marked reinforced steel/TMT bars for pole foundation and caging as per the design of OEM's of Octagonal Pole with all labour related to make caging at site. Total weight of the cage will be considered for the measurement.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at project site.

**Item No.6:**

**POLE INSTALLATION**

This item includes Installation of pole on foundation with alignment & leveling fixing of bracket on pole with necessary accessories, fixing of LED luminaries on brackets, electrically wired to the respective junction box with all lugs, clamps, glands etc as required with all end termination, connection, and testing at site.

The poles shall be erected in perfect plumb with appropriate muffing. The muffing shall withstand against the static load as well as wind velocity and bending moment of the pole.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at project site.

**Item No.7:**

**DWC/GI PIPE LAYING, CABLE LAYING AND EARTH WIRE LAYING**

The cable must be laid in trench/pipe/wall/pole including termination to the junction box with suitable brass cable gland, lugs etc as required. Cable route shall be as per direction of Engineer-in-charge or the contractor shall mark the route and lay the cables only after approved by Engineer-in-charge. Ring loop of 1 - 1.5 mtr. Of cable shall be provided near each street light pole for all incoming and outgoing cables.

The cable shall be laid with no intermediate joint or cut for pole-to-pole cable connections. The cable ends shall be suitably sealed against entry of moisture, dust, water etc. as per standard practice. The cable/pipe must be laid with cable clamps as and when required at site.

Each pole must be earthed using GI No. 8 earth wire maintaining earth continuity including the cost of the earth wire. This earth wire must be laid along with the cable in the pipe/duct/trench/pole. Each end connection, loops, joints must be connected and bolted using suitable lugs/bolts etc.

The measurement of this item will be carried on the basis of the utilization of the total cable length. Each fixture must be earthed with looping of its wire/cable from junction box.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at project site.

**Item No.8:**

**SUPPLY OF 50MM OD DWC PIPE**

Providing & Erecting 50 mm (OD) Double Wall Corrugated Pipe (DWC Pipe) as per IS 14930 (Part-2) of reputed make including all straight connectors as required. The DWC pipe must be laid by making trench of required depth (Approx 50cm) and the same must be refilled appropriately and excess excavated amounts of soil, debris etc must be removed from the site, making site neat & clean.

In case of road crossing between divider ends as well as between circuit poles to feeder pillar, RMC may get the digging and pipe laying work done from its Civil Engineering Branch; however, if required, the bidder has to execute the said work.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises/project site.

**Item No.9:**

**MAINTENANCE FREE CHEMICAL EARTHING**

The whole system must be made earthed by bore type electrode earthing as per IS: 3043 (1987). Earthing Electrode consisting Flat-in- Pipe technology made of corrosion-free B Class G.I.Pipe having outer pipe dia. of 76-80mm with 90-120 micron galvanizing and inner GI strip of 50mm X 5mm with 90-120 micron galvanizing including boring at site, installation and fitment of earth pit with earth chamber cover of suitable size with all related civil work in at site including all labour and material and making site neat and clean after the work. The earthing rod must be CPRI/ERDA tested.

The connection terminal of the electrode must be connected to the earth terminal of the feeder pillar with suitable connectors, nuts, bolts, lugs etc. The whole installation must be covered with highly conductive back filling compound of 50kg. All the materials must be approved by EIC before utilization at site.

Length of electrode: 3 Meter	Depth and size of the bore: As required
Diameter of the electrode: 76-80 mm	Back filing compound: 50 Kg

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises/project site.

**Item No.10:****SUPPLY OF OUTDOOR TYPE LED STREET LIGHT LUMINARY**

Supply of outdoor type LED street light luminary must comply following minimum technical parameters/specifications:

<b>Sr. No.</b>	<b>Technical Parameters</b>	<b>Value</b>
1	LED Chip Make	Cree, Nichia, Osram, Philips Lumileds
2	Luminaries Wattage Capacity with driver	90 W - 100 W
3	Luminaries Housing	Single Piece Aluminium Pressure Die Cast or Extruded Aluminium
4	Luminary Opening	Top or Bottom Opening
5	Luminary mounting/fitment with bracket	Luminary must have round pipe shaped mounting end of suitable diameter to connect with streetlight bracket. Any type of bracket clamping arrangement at mounting end is not acceptable.
6	Luminary Diffuser	UV Stabilized Poly Carbonate/Glass
7	Driver Assembly	Driver of luminary must be potted
8	Degree of Protection	IP 66 and above
9	CCT	6000 +/- 500 K
10	Luminary Efficacy	>= 120 lm/watt
11	CRI	>= 70
12	Harmonics (THD)	<= 15%
13	Power Factor	>=0.95
14	Life of Light Source	Min. 50000 Hrs at L 70
15	Driver Efficiency	>85%
16	Surge Test	10 KV
17	Impact Resistance	>= IK 05
18	Guarantee of Luminaries	5 Years

- 1) Agency has to submit necessary Test Reports/Documentary evidences like LM79, LM80 and OEM's Self Certification for all above technical specifications/parameters. Such test certificates must be from NABL accredited/certified test laboratories like CPRI/STQC/ R&D Labs or any other reputed lab.
- 2) Agency has to submit OEM's Authorisation for Supply Support, Technical Support and Spares Supply and Guarantee Support during the project execution and during whole comprehensive O&M period of 60 months.
- 3) Agency has to approve sample of the LED luminary matching above technical parameters/specifications before utilizing the same for the project. If such submitted sample of LED luminary is not matching the technical specifications, RMC may ask for other category/model of the luminary as per OEM's manufacturing practice/catalogue and selection of the same will be sole decision of RMC and binding to agency. Agency cannot refuse to provide samples or cannot force RMC to select specific samples of LED luminary.
- 4) If any LED luminary will be found having yellowish lighting output during the O&M period, such luminary must be immediately replaced as per instructions of EIC.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises by random sampling for total lot of the project.

**Item No. 11:**

**SUPPLY OF POLE FOUNDATION BOLTS/J TYPE BOLTS**

Supply of foundations bolts/J bolts for the octagonal poles as per IS: 1367 at site with all loading-unloading and transportation up to site. The bidder must utilize the foundation bolts of the same manufacturer/OEM supplying octagonal poles for this project. The bidder must produce the necessary test certificates on demand. The material must be approved before utilization.

Foundation Bolts/J Bolts must meet following minimum technical parameters/specifications suitable for 8 Mtr long octagonal poles:

- Foundation Bolts (Set): 4 Nos (with 3 nut and 2 washers for each bolt)
- Diameter of the bolt: 20mm
- Bolt Length: 750mm
- Suitable Pitch Circle Dia. (PCD): 200mm
- Projected Bolt Length: 100mm or as required at site

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises/project site.

**Item No. 12:**

**SUPPLY OF OCTAGONAL POLE, 8 MTR LENGTH**

The octagonal poles must be made from CR sheet steel. The pole should be made as per IS and shall be coated with hot dip galvanizing as per IS 2629/4759 and must be with required base plate suitable to sustain local wind speed.

- Material: CR Sheet Steel, BSEN 10025
- Length of the pole: 8 Mtr
- Top Dia (A/F): 70mm
- Bottom Dia (A/F): 130mm – 135mm
- Sheet Thickness: 3mm
- Base Plate Dimension (L X B X T): 200mm X 200mm X 16mm
- Hot Dip Galvanizing: As per IS 2629/4659
- Min. Thickness of Galvanization: 65 microns

The integral JB of octagonal pole must be fitted with required size of 6mm thick hylam sheet bolted on the JB support plate. This hylam sheet must be housed with necessary size of DIN rail with mounting of 32A, 4 way PVC/Bakelite connector fitted with necessary bolting.

Each JB must have Earth Link to connect the LEDs earth wire and such earth link must be connected with pole earth terminal with suitable flexible copper wire.

The design and drawing must be approved by EIC prior to erection of the pole at site. Test certificates must be provided on demand.

Radium Stickers should be placed on pole indicating "Ward No./Pole No" or as per instruction of EIC.

**Item No. 13:**

**SUPPLY OF 4 SQMM, 4 CORE COPPER LT CABLE**

The medium voltage LT cable of 4 Core, 4 Sqmm, XLPE insulated (IS: 7098) (Part-I), armoured cable having multi stranded copper conductors shall be supplied, tested in accordance with relevant Indian Standards/specifications. Type test and routine test certificates must be provided.

The cables shall be delivered at site in original drums with manufacturer's name, size, and type, clearly written on the drums. All cables shall be adequately protected against any risk of mechanical damage to which they may be liable in normal conditions of handling during transportation, loading, unloading etc.

The cable shall be supplied in single length; if possible, however, no intermediate joint or cut will be permitted for pole-to-pole cable connections.

**INSPECTION/SITE TESTS:** Inspection/Testing of this item as per relevant quality parameters and test standards will be conducted at OEM's premises by random sampling for total lot of the project.

**Item No. 14:**

**SUPPLY & FIXING OF MCBs**

Supply and fixing of SP MCB (2A, C Series) in the integral JB of the pole with all end connections.

**Item No. 15:**

**SUPPLY OF GI PIPE 63 MM OD**

Supply of ISI mark B Class GI PIPE 63 MM OD for road crossing & cable laying.

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### List of Approved Make

<b>SR. NO.</b>	<b>ITEM</b>	<b>APPROVED MAKE</b>
1	STREET LIGHT LED LUMINARIES/FIXTURES	CROMPTON/PHILIPS/HAVELLS/WIPRO/BAJAJ
2	STREET LIGHT POLE	BAJAJ/VALMONT/CROMPTON/TRANSRAIL/AMBICA POLES/ JETCOTECH
3	LT CABLES & WIRES	FINOLEX/POLYCAB/RR KABEL/HAVELLS/LAPP/KEI/ALLCAB
4	"B" CLASS ERW G.I. PIPE	TATA/SURYA/ZINDAL/ASIAN
5	SWITCHGEARS/METERS	L&T (Lauritz Knudsen) / HAVELLS / SCHNEIDER / SIEMENS / ABB / INDOASIAN / LEGRAND / HAGER / C&S
6	ASTRO TIME SWITCH	L&T (Lauritz Knudsen) / INDOASIAN / GIC / LEGRAND/ HAGGER / THEBEN / HAVELLS
7	DWC PIPE	ANY ISI MAKE

**\*Any make/model must be approved by EIC before its utilization for the project.**

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**Annexure - 1**

**CONTRACT FORM (On 300 Rs. Stamp paper)**

This Agreement made the ..... day of ....., 20..... between Rajkot Municipal Corporation (Name of Purchaser) of India (Country of Purchaser) hereinafter "the Purchaser" of the one part and ..... (Name of Supplier) of ..... (City and Country of Supplier) hereinafter the "the Supplier" of the other part for Tender for the work of **Supply, Installation, Testing and Commissioning (SITC) of New Central LED Street Lighting including Comprehensive O&M for 5 (Five) years for 1) Satellite Chowk Road 2) Navagam Main Road 3) Parul Smriti Van Road**

Whereas the Purchaser is desirous that certain Goods and ancillary Services should be provided by the Supplier, viz. (Brief Description of Goods and Services and has accepted a tender by the Supplier for the supply of those Goods and Services in the sum of (Contract Price in Words and Figures) hereinafter "the Contractor Price").

**NOW THIS AGREEMENT WITNESSED AS FOLLOWS:**

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract.
2. The following documents shall be deemed to form and be read and constructed as part of this Agreement viz.:
  - a) The Tender form and the Price Schedule submitted by the Bidder;
  - b) The Schedule of Requirements ;
  - c) The Technical Specifications ;
  - d) The General Conditions of Contract;
  - e) The Special Conditions of Contract ; and
  - f) The Purchaser's Notification of Award
  - g) Subsequent correspondences.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby will pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

**Signed, Sealed and Delivered by the**

**Said Rajkot Municipal Corporation (For the Purchaser) in the presence of .....**

**Signed, Sealed and Delivered by the said ..... (For the Supplier) in the presence of .....**

**\* The above format is indicative and may subject to change**

**Annexure - 2**

**BANK GUARANTEE OF SECURITY DEPOSIT / PERFORMANCE BANK GUARANTEE**

In consideration of the Rajkot Municipal Corporation of the city of Rajkot (hereinafter to as the Authority) having agreed to exempt ..... (Hereinafter referred to as "the said Contract") from the demand of earnest money in cash for the due fulfillment of the terms and conditions of the agreement made between the for ..... (Hereinafter referred to us "the said agreement") on production of Bank Guarantee for Rs. .... Rupees ..... only.

We ..... Bank (hereinafter referred to as "Bank") do hereby undertake to pay to the Authority as an amount not exceeding Rs. .... Rupees ..... only on the demand from Authority.

Any such demand on the bank shall be conclusive as regards as amount due and payable by the bank under this guarantee. However, liability of the bank under this agreement shall restricted to as amount not exceeding Rs. .... Rupees ..... only.

We the bank further agree that the guarantee herein contain shall remain in full force and effect during the period that would be taken for the validity of the said bid and that it shall continue to enforceable till all the dues of the Authority under or virtue of the said agreement have been received by the bank from the Authority. However unless the demand of claim under the guarantee is made to the bank in writing on or before the ..... (Specify the date) the bank shall be discharged from all liabilities under this guarantee.

With the bank further with Authority shall have fullest liberty, without the concert of the bank without effecting in any manner it obligations herein under to vary and of the terms and conditions of the said agreement or extend time for validity by the said bid from time to time or to postpone for any time for any time or from time to time any of the powers exercisable by the Authority against the site Contractor and to forebear to enforced any of the terms and conditions relating to the said agreement and the bank shall not be relieved from liability by reason of any such variation, or extension granted to the contractor for any forbearance, at Contractor or by any such matter or thing whatsoever which the law relating to sureties would, but this provision, have the effect of so relieving the Bank.

We ..... must undertake not to revoke the Guarantee during currency except with the previous concert of the Authority in writing.

Dated the ..... day of ..... of 20.....

For ..... Bank.

Principal (Contractor)

Surety (Bank)

Contract No.

And date of Contract

**\* The above format is indicative and may subject to change**

**Annexure – 3**

**DETAILS OF THE WORKS OF SIMILAR TYPE AND MAGNITUDE CARRIED OUT DURING LAST 7 YEARS PERIOD**

<b>Sr. No.</b>	<b>Name of Work</b>	<b>Organisation</b>	<b>Tendered Cost</b>	<b>Date of Start</b>	<b>Actual date of completion</b>	<b>Amount of Work Done</b>

- The bidder may use separate sheet for detailing
- Certificate of satisfactory work completion of the work from the owner shall be given for each work.

Annexure – 4

DETAILS OF THE WORKS IN HAND AND WORKS TENDERED FOR AS ON THE DATE OF SUBMISSION

Sr. No.	Name of Work	Organisation	Works in hand		
			Tendered Cost	Cost of work remaining to be executed as on date	Anticipated Date of Completion

- The bidder may use separate sheet for detailing
- Purchase order copy of the work from the owner shall be given for each work.

**FORMAT**

**NO BLACK LIST AFFIDAVIT (To be duly notarized on Rs. 300/- Stamp paper)**

**Declaration**

I/We           (Name of the firm)           do hereby declare that our firm/ Company is not blacklisted, not terminated, not debarred and no enquiries /court cases/litigation is pending against us by any departments/offices of the Govt. of India / Govt. of Gujarat or any State Board / Corporations / Urban Authorities, since inception of the firm / Company.

I/We           (Name of the firm)           further undertake that if above declaration proves to be wrong / incorrect or misleading, our tender/bid/contract stands to be cancelled or terminated.

Date:

Place:

**Signature of Authorized person of the firm/ Company**



# RAJKOT MUNICIPAL CORPORATION

## RAJKOT

Name of Work :

**Supply, Installation, Testing and Commissioning (SITC) of New Central LED Street Lighting including Comprehensive O&M for 5 (Five) years for 1) Satellite Chowk Road 2) Navagam Main Road 3) Parul Smriti Van Road**

Sr. No.	Event Description	Mile Stone Date
1	Start of download of E-tender	Dt. 23.08.2024 to Dt. 20.09.2024 up to 18:00 Hrs.
2	Last date of online submission of E-tender	Dt. 20.09.2024 up to 18:00 Hrs.
3	Date of submission of physical document <b>EMD, Tender fee and other documents.</b>	Up-to Dt. Dt. 27.09.2024, 18:00 Hrs
4	Pre - Bid Meeting	Dt. 09.09.2024 at 11:00 hrs
5	Opening of technical bid and verification of physical documents - <b>EMD, Tender fee and Other documents, if possible.</b>	Dt. 30.09.2024 at 11:00 hrs
6	Opening of On-line price bid (if possible)	Dt. 01.10.2024 at 11:00 hrs
7	Validity of Bid	120 days from last date of opening of technical bid

### **FINANCIAL BID**

**Additional City Engineer - Roshni Department**

**Rajkot Municipal Corporation**

**“Shri Zaverchand Meghani Bhavan”**

**East Zone Office, Room No. 2**

**Bhavnagar Road, RAJKOT – 360 003.**

## FINANCIAL BID AND BILL OF QUANTITIES

### (ITEM RATE TENDER)

Item No.	Detail	Unit	Qty (Approx.) (A)	Unit Rate in Rs (B)	Total Amount in Rs. (A) X (B)
1	SUPPLY OF HOT DIP GALVANIZED STREET LIGHT BRACKET AS PER APPROVED DESIGN & TENDER SPECIFICATIONS (SINGLE/DOUBLE/TRIPLE ARM)	PER KG	1430	To be entered online	
2	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF STREET LIGHT FEEDER PILLAR AS PER TENDER SPECIFICATIONS	NO	4	To be entered online	
3	SUPPLY OF 1.5 SQMM, 3 CORE, COPPER FLEXIBLE CABLE AS PER TENDER SPECIFICATIONS	MTR	1980	To be entered online	
4	POLE FOUNDATION AND CIVIL WORK AS PER TENDER SPECIFICATIONS	CMT	75	To be entered online	
5	SUPPLY OF REINFORCED STEEL/TMT BAR FOR POLE FOUNDATION CAGGING WORK AS PER TENDER SPECIFICATIONS	KG	1320	To be entered online	
6	POLE INSTALLATION WORK AS PER TENDER SPECIFICATIONS	NO	110	To be entered online	
7	DWC/GI PIPE LAYING, CABLE LAYING AND EARTH WIRE LAYING AS PER TENDER SPECIFICATIONS	MTR	2950	To be entered online	
8	SUPPLY OF DWC PIPE, 50 MM OD (OUTER DIAMETER) AS PER TENDER SPECIFICATIONS	MTR	2800	To be entered online	
9	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MAINTENANCE FREE CHEMICAL EARTHING AS PER TENDER SPECIFICATIONS	NO	4	To be entered online	
10	SUPPLY OF OUTDOOR TYPE LED STREET LIGHT LUMINARY AS PER TENDER SPECIFICATIONS	NO	224	To be entered online	
11	SUPPLY OF POLE FOUNDATION BOLTS/ J TYPE BOLTS AS PER TENDER SPECIFICATIONS FOR 8 MTR LONG OCTAGONAL POLES (1 SET = 4 NOS FOUNDATION BOLTS)	SET	110	To be entered online	
12	SUPPLY OF 8 MTR LONG OCTAGONAL POLE AS PER TENDER TECHNICAL SPECIFICATIONS	NO	110	To be entered online	
13	SUPPLY OF LT COPPER ARMoured CABLE, 4 SQMM, 4 CORE AS PER TENDER SPECIFICATIONS	MTR	3050	To be entered online	
14	SUPPLY OF SP MCB (2A, C Series) AS PER TENDER SPECIFICATIONS	NO	220	To be entered online	
15	SUPPLY OF GI PIPE 63 MM OD (OUTER DIAMETER) AS PER TENDER SPECIFICATIONS	MTR	170	To be entered online	
				<b>NET TOTAL</b>	

- NOTE:**
- 1) ALL RATES/PRICES MUST BE QUOTED EXCLUSIVE OF GST. GST WILL BE PAID AT PREVAILING RATES.
  - 2) ALL RATES/PRICES MUST BE QUOTED INCLUSIVE OF ALL DUTIES/LEVIES/SURCHARGES ETC. EXCEPT GST.
  - 3) ALL RATES/PRICES TO BE QUOTED UPTO TWO DECIMAL PLACES ONLY

AAE-EZ

DEE-EZ

ADD. CITY ENGINEER