



भारत सरकार

GOVT. OF INDIA

लक्षद्वीप संध शासित क्षेत्र प्रशासन

ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP

(बिजली विभाग)

(DEPARTMENT OF ELECTRICITY)

कवरत्ती - ६८२ ५५५

KAVARATTI - 682 555

F.NO: 66 /06/02/2019-20-Ele/1204

Dated 27/06/2019

Notice Inviting Tender

Department of Electricity, UT of Lakshadweep Administration, Kavaratti invites competitive E-Tender from the Original Licensed Manufacturers or their Authorized Distributors/Agents for the following work as detailed below.

Name of Work	Supply of LED Street Light sets - 36W to Lakshadweep Electricity Department.
Tender Fee/Cost of Tender Form	₹1500/-
EMD	₹ 70,000.00/-
Bid Document available for downloading from	03/07/2019 10.00 Hrs
Bid Document available for downloading up to	17/07/2019 17.00 Hrs
Last date & Time for submission of Bid	18/07/2019 12.00 Hrs
Opening of Technical Bid	18/07/2019 15.00 Hrs
Opening of Financial Bid	Will be decided after finalization of Technical Bid.

Tender Document containing detailed terms & conditions and goods required can be downloaded from the website www.lakshadweep.nic.in. Bidders willing to participate in the tender shall visit the e-tender website www.tendersutl.gov.in for participation.

For any help/query, please contact representative of the department through [email lk-ktelect@nic.in](mailto:lk-ktelect@nic.in) or Telephone No. [04896262363](tel:04896262363), [04896263544](tel:04896263544) and for help in processing of e-tender please contact E-tender helpdesk [email eproc@nic.in](mailto:eproc@nic.in) Or Telephone No [0120 4200462](tel:01204200462)

(C N Shajanan.)

Executive Engineer/ कार्यपालक अभियंता

To,

1. M/s Degree 360 Solution PVT.LTD, 114 1st floors, Pratap Bhavan 5, Bahadur Shah

Marg, New Delhi-110002 to Publish in the daily's of Southern edition of New Indian

Express and Mathruboomi daily.

2. Copy to Editor, Lakshadweep times to Publish in the next Edition.

3. Copy to EDP for Uploading Official Website of Lakshadweep & LED Portal

TENDER DOCUMENT

Department of Electricity UT. of Lakshadweep Administration, Kavaratti invites competitive E-Tender from the Original Licensed Manufacturers or their Authorized Distributors/Agents for "Supply of LED Street Light sets -36W " Subject to the terms & condition of this Tender Document.

TERMS & CONDITIONS

1. Name of Work

Name of work is "Supply of LED Street Light sets" for Electricity Department of UT. of Lakshadweep Administration, Kavaratti

2. Definitions

- 2.1 Purchaser means Department of Electricity, UT of Lakshadweep Administration Kavaratti.
- 2.2 Bidder means any bidder participating in this tender.
- 2.3 Successful Bidder means bidder selected by the purchaser to execute the contract
as per this tender.
- 2.4 Supplier means successful bidder to who confirmed supply order has been issued
by the department.
- 2.5 Contract Year means the year starting from the date of commencement of contract
as per this tender document.

3. Scope of Work

- 3.1 The Bidder shall Supply of LED Street Light sets to Lakshadweep Electricity Department at the point of supply specified in below for the Department of Electricity subject to the terms and conditions of this tender document.
- 3.2 Quantity of items shown in the Annexure- B is tentative and actual quantity may vary i.e. either increase or decrease from the tentative quantity. Bidder shall bound to supply the goods as per confirmed supply order during the validity period of contract.
- 3.3 The actual point of delivery may vary from tentative point. Bidder shall bound to supply the goods at any point of delivery as per confirmed supply order during the validity period of contract.

4. Availability of Tender documents

4.1 Tender documents shall be available for downloading in the official website of Lakshadweep viz. www.lakshadweep.nic.in and www.tendersutl.gov.in

4.2 Purchaser reserves all rights to change/alter/modify any of the conditions of this Tender Document or to cancel this tender as a whole at any point of time even without assigning any reason and any such change/alteration/modification or cancellation of tender shall be updated in the above website. Hence bidders shall regularly watch the website for updated information

5. Time Schedule for Bidding

5.1 Time schedule for obtaining bid documents, submission of bids and opening of bids is as follows.

Particular	Date	Time
Bid Document available for downloading from	03/07/2019	10.00
Bid Document available for downloading up to	17/07/2019	17.00
Last date & Time for submission of Bid	18/07/2019	12.00
Opening of Technical Bid	18/07/2019	15.00
Opening of Financial Bid	Will be decided after finalization of Technical Bid.	

5.2 If the bid opening date given above falls to be a holiday, the opening of bid shall be held on the next working day.

5.3 Purchaser reserves right to alter the date of opening of Technical/Financial Bid Without assigning any reason and any such alteration shall be updated in the website.

6. Pre- Qualification Criteria for Bidder

6.1 *Registration/Licence for Business/Transaction:* - Original Licensed Manufacturers or their Authorized Distributors/Agents shall be a registered individual/organization/company with the Central Government or any of the State/UT Government and shall have a valid license/authority for supply of the goods & services indented in this tender document. Copy of valid Registration Certificate/License shall be submitted along with the bid.

6.2 *GST Registration:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall be registered with Commercial TAX/GST and shall have a valid GST Number. Copy of valid GST Registration Certificate shall be submitted along with the bid.

- 6.3 *Income Tax Registration:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall be registered with Income Tax Department and shall have a valid PAN/TIN Number. Copy of valid PAN/TIN Card shall be submitted along with bid.
- 6.4 *Commercial Tax/ GST Clearance:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall not be defaulter for remittance of Tax. Bidder shall submit along with bid copy of any of the following documents.
- (i) Tax Clearance certificate for the last financial year issued by TAX Department, with whom bidder is registered or
 - (ii) Copy of Returns filed by the bidder to the Tax Department, with whom bidder is Registered or
 - (iii) Self Declaration with documentary evidence, if any, as exempted from payment of Tax.
- 6.5 *Income Tax Clearance:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall not be defaulter for remittance of Income Tax. Bidder shall submit along with bid copy of any of the following documents.
- (i) Tax Clearance certificate for the last financial year issued by Income TAX Department or
 - (ii) Copy of Income Tax Returns filed by the bidder to Income Tax Department or
 - (iii) Self Declaration with documentary evidence, if any, as exempted from payment Of Income Tax
- 6.6 *Financial capability:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall be financially capable to undertake the contract of this tender financial transaction during each of the last three financial years of the bidder participating for the Supply of LED Street Light sets shall be more than 15 Lakhs. Original Licensed Manufacturers or their Authorized Distributors/Agents shall submit along with bid copy of any of the following documents.
- (i) Audit Statement or Auditor's Certificate showing the financial transactions during last three years.
 - (ii) Self Declaration with copy of bank statement certifying that the amount of Financial transactions of the bidder for each of the last three financial years.
- 6.7. *Not to be blacklisted/debarred party:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall not be either blacklisted or debarred by Central Government or any of the State/UT Government. A self declaration to this effect shall be submitted along with Bid.
- 6.8 *Experience:* Original Licensed Manufacturers or their Authorized Distributors/Agents participating for Supply of LED Street Light sets shall have

experience during last three years for supply of goods & services similar to intended goods & services costing as follows against to any of the Central Government/State/UT Government/PSU institutions. Bidder shall submit along with copy of supply orders and/or sanction orders & work completion certificate issued by such institution.

- a. Three similar completed works/supply costing not less than the amount equal to ₹. 15,00,000/-
- b. Two similar completed works/supply costing not less than the amount equal to ₹. 25,00,000/-
- c. One similar completed works/supply costing not less than the amount equal to ₹. 38,00,000/-

6.9 *Adhere with tender conditions:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall adhere with all the terms & conditions of this Tender document. If any deviation is suggested it shall be spelt out clearly. A self declaration to this effect with deviations, if any, shall be submitted along with Bid.

7. Item-wise Pre-Qualification Criteria

7.1 *Manufacturing Licence:* Bidder shall either be the manufacturer of the indented goods or the authorized agent of the manufacturer. If the bidder is a manufacture, bidder shall have a Manufacture Licence/Certificate for the indented goods issued by the concerned Government authority. Copy of valid Manufacturing License/Certificate shall be attached with the bid

7.2 *Authorization:* If bidder is not the manufacture, but the authorized agent of the Manufacture of the indented goods, bidder shall have a proper authorization letter issued by the manufacturer. Copy of Manufacturing License and Authorization letter from the side of manufacturer shall be submitted by the bidder along with the Bid.

7.3 *Quality Proof Certificate:* Manufacturer of the indented goods shall have Quality Proof Certification for the indented goods like ISI/BIS or NABL accredited lab Certification, etc. issued by the concerned authority. Copy of Valid Quality Proof Certificate shall be submitted along with the Bid.

7.4 *ISO Certification:* Manufacturer of the indented goods shall have ISO Certification issued by the concerned Government authority. Copy of valid ISO Certificate shall be submitted along with the Bid.

7.5 *Specification:* Original Licensed Manufacturers or their Authorized Distributors/Agents shall quote only for the goods which matches with the Specification of the goods indented. If any deviation is there, it shall be spelled out

~~7.5~~ clearly in the Technical Bid Format. A self declaration to this effect shall be submitted along with the Bid.

7.6 *Broachers / Leaflets*: Original Licensed Manufacturers or their Authorized Distributors/Agents shall submit along with bid the Broachers/leaflets containing details & specification of the quoted goods published by the manufacturer of the goods or their authorized agents.

8. Bid System

8.1 Tender Fee/Cost of Tender Form is ₹ 500/- (Rupees Five hundred) only

8.2 Each Bidder shall remit Tender Fee/ Cost of Tender Form to the Bank Account No. 99502200027470 (IFSC Code SYNB0009950) Syndicate Bank, Kavaratti, U.T. of Lakshadweep

8.3 Copy of Bank remittance Slip towards Tender Fee/Cost of Tender Form shall be up loaded along with the Bid

8.4 Bidder's who are exempted from payment of Tender Fee/ Cost of Tender Form shall submit the documentary evidence to that effect.

8.5 Tender Fee/Cost of Tender Form once remitted by the bidder shall not be refunded under any circumstances.

9. Mode of Submission of Bid

9.1 Bid shall be submitted in the e-tender mode through the website www.tendersutl.nic.in formalities for registration, submission of bids, etc. are available in this website itself.

9.2 Bids submitted by any other means shall not be considered.

9.3 Enclosures submitting along with the Bid shall be serially page numbered and page number of enclosure shall be specified in the respective column of Technical Bid format.

10. Bid System

10.1 The bid is invited in Two Bid System. Bidder shall submit the Technical Bid and Financial Bid separately.

10.2 *Technical Bid*: Format for submission of Technical Bid is attached as Annexure-A (Address of Bidder, Cost of Tender Form & EMD, Pre-Qualification Criteria for Bidders, etc) Technical Bid as per Formats Annexure A shall be properly filled with enclosures and submitted along with the Bid.

11.3 *Financial Bid*: Format for submission of Financial Bid is attached as Annexure-B. The Financial Bid as per Format Annexure-B shall be properly filled and submitted along with the bid

11. Bid Security/ Earnest Money Deposit (EMD)

11.1 EMD for Supply of LED Street Light sets ₹. 70,000/- (Rupees Seventy Thousand) only shall be submitted by means of

(i) Amount of EMD shall be remitted to **Bank Account Number 99502200027470, IFC Code: SYNB0009950 (Syndicate Bank Kavaratti)**. Copy of Remittance Slip shall be attached with the bid.

Or

(ii) Bank Guarantee for equal amount of EMD from any nationalized bank valid for one year from tender opening date. Original BG shall be sent by Registered Speed Post to The **Executive Engineer (Ele), Kavaratti Department of Electricity, UT.of.Lakshadweep-682555**. Copy of BG and Registered Speed Post Receipt shall be up loaded along with the Bid.

11.2 EMD of unsuccessful bidder shall be released/ refund only after finalization of the tender and awarding of work to the successful bidder.

11.3 EMD of successful Bidder shall be released/ refunded only after the successful completion of the work/ supply as per this tender document.

11.4 EMD shall not bear any interest under any circumstances and bidder shall not have any right to claim interest on EMD

11.5 EMD of successful bidder, who fails to submit Performance Guarantee/ Security Deposit or execute contract agreement within the stipulated timeframe as per this tender document shall be forfeited and remitted into Government account.

11.6 Purchaser reserves all rights to realize any sum of amount from the EMD as Liquidated Damage/penalty to be charged from the bidder as per this tender document.

11.7 *Bidder's who are exempted from payment of EMD shall submit the documentary evidence to that effect.*

12. Validity of Bids

- 12.1 Bids once submitted can be withdraw or modify till the last date for submission of bids. Bidder cannot withdrawn or modify his bid after the last date for submission of bids
- 12.2 Bids available as on the last date for submission of bids shall be valid till finalization of the tender by Department
- 12.3 EMD of bidders, who withdraw or modify their bid after due date but before finalization of tender, shall liable to be forfeited

13. Opening of Bids

- 13.1 Bids shall be opened by a Tender Opening Committee duly constituted by the Department.
- 13.2 Bids shall be opened on e-mode in the Chamber of Executive Engineer (Ele), Kavaratti, Lakshadweep-682555 on the specified date & time.
- 13.3 Financial Bid of Bidders who qualified in the technical Bid evaluation only, shall be considered for opening. Date of opening of the Financial Bid will be decided after finalization of Technical Bid evaluation

14. Evaluation of Bid

- 14.1 There shall be a Tender Evaluation Committee (TEC) constituted for evaluation of the Bids
- 14.2 Technical Bid and Financial Bid shall be evaluated separately by the TEC
- 14.3 Initially the Technical Bid shall be evaluated and those who qualify in the Technical Bid shall only be considered for Financial Bid evaluation
- 14.4 Technical Bid shall evaluated in two stages
 - (i) In the first stage, Bidders qualification shall be evaluated. Bidders shall qualify all the criteria prescribed under the clause Bidders Qualification in this tender document. Those, who do not qualify any of these qualification in full or in part, shall not be considered for second stage
 - (ii) In the second stage, Item-wise Qualification shall be evaluated. Bidders shall qualify all the criteria prescribed under the clause Item-wise Qualification in this tender document at least for one item. Those, who do not qualify any of these qualifications full or in part at least for one item, shall be not considered as technically qualified and their bid shall be rejected.
 - (iii) TEC reserves' all rights to ask the bidders to submit any missing documents or ask clarification on the documents already submitted by the bidders so as

to avoid disqualifying any bidder due to meager negligence. But TEC shall exercise this right impartially, only if there is sufficient reasons to do so, to protect the interest of the Government.

14.5. Financial Bids of the bidders those who qualified in first & second stage of Technical Bid evaluation only shall be considered for Financial Bid evaluation. Normally L1 shall be selected subject to the condition that bidder is qualified in the second stage of Technical Bid evaluation. TEC reserves all rights to recommend any item other than L1 subject to proper justification like quality, past performance, etc.

14.6 Financial price for each item shall be reckoned as the as sum of rate quoted for the goods including warranty.

15. Letter of Intent (LOI)

16.1. After finalization of the tender, Department will issue letter of intent (LOI) to the successful bidders by registered post and email. A copy of the same will also be published in the official website of Lakshadweep Administration.

16. Confirmed Supply order

16.1 Confirmed supply order for the quantity required shall be issued and the bidder shall be responsible to supply the goods & services as supply order

17. Performance Guarantee/Security Deposit(PG/SD)

17.1 Successful bidder shall submit Performance Guarantee/Security Deposit

17.2 Successful bidder shall submit Security Deposit 5% of total Contract Value within 15 days of from date of issue of confirmed supply order.

17.3 PG/SD shall be submitted by means of Bank Guarantee from any nationalized bank

17.4 PG/SD shall be valid till 2 months after expiry of warranty period and released only on completion of all contractual obligation as per Tender Document and Supply Order.

17.5 PG/SD shall not bear any interest under any circumstances and bidder shall not have any right to claim interest on PG/SD

17.6 PG/SD of the bidder who fails to comply with the conditions of tender document and supply order shall be forfeited and remitted into Government account.

17.7 Department reserves all rights to realize any sum of amount from the PG/SD as Liquidated Damage/Penalty to be charged from the bidder as per this Tender Document.

18. Validity of Contract

The entire supplies are to be completed within 3 months on issue of the technically and commercially clear Work Order. Delivery period shall be

specifically indicated in the tender and strictly adhered to it. If no delivery period is stated in the tender it will be taken for granted that the supply of whole materials will be arranged within 90 days. Any extension in the delivery period after the supply order is placed may result in the cancellation of the supply order.

19. Delivery & Installation

- 19.1 The materials (LED Street Light sets 36-W) are to be supplied/ delivered at the department stock yard of The Assistant Engineer (Ele), Electrical Sub Division, U.T of Lakshadweep, Near Jankhar Service, Beypore, Kozhicode- 673015 in seaworthy packing. **Transportation of the items from mainland to site in Lakshadweep and its installation will be arranged by the Department.** The offers for delivery at ex -go down are likely to be rejected.
- 19.2 Supplier shall pack the goods in strong cases sufficiently stuffed with packing materials to avoid any breakage /damage/loss in transit till reaching at the destination in Lakshadweep. The safety of the goods up to the point of supply shall be the responsibility of the supplier and Department shall not be responsible for any breakage/damage/loss/theft of the goods during its transit due to any reason, natural or otherwise.
- 19.3 Supplier shall be responsible to clear the rejected goods from the premises of delivery at their own cost within 30 days of issue of rejection notice. Delay/non-clearing the rejected goods shall attract the Liquidated Damages as same as delay for delivery clause of this tender document.

20. Quality of Goods

- 20.1 Goods supplied shall meet all the standard norms of quality for those goods prescribed by the concerned Government authority and/or of the same specification mentioned in the tender document.
- 20.2 Department reserves all rights to verify the quality of goods supplied by the supplier through any Government approved /identified agency.
- 20.3 If it happens to be came to the notice at any point of time that the goods supplied are of substandard quality or not as per required specification a notice will be issued to the Supplier to provide documentary evidence to prove the quality/ specification of goods supplied and it should be proved by the Supplier within 30 days from the date of issue of such notice. All costs for quality proven on the basis of such notice shall be borne by the supplier.

20.4 If the supplier fails to prove the quality within the stipulated timeframe, payment for such substandard goods shall not be released.

21. Guarantee/ Warrantee

21.1 The items offered shall be guaranteed for a minimum period of two year from the date of supply of item. The bidder is liable to rectify the defect occurred during the guarantee period by replacing /repairing the item at the risk and cost of the tenderer.

22. Force Majeure

22.1 Delay from the side of Supplier for execution of any the conditions of this contract agreement under force majeure conditions like natural calamities or time taken to carryout modification/ rectification suggested for manufacture compliant, etc shall be condoned subject to proper justification furnished by the supplier in due course of time .However, the decision of Purchaser in this respect shall be final.

23. Penalty/Liquidated Damages

23.1 In case the successful bidder could not complete the supply within the prescribed time limit, compensation for delay of work@1.5% per month of delay computed on per day basis subject to maximum of 10% of the total contract value will be imposed unless the delay is due to recognized force majeure conditions.

23.2 In case the bidder becomes unable to affect supply within the time limit prescribed in the work order, the contract is likely to be cancelled and the Performance guarantee/ Security Deposit/ Earnest Money Deposit from the bidder will be forfeited.

24. Payment Terms

24.1 No advance payment will be made against the supplies. Tenders demanding advance payment and clearance through Banks will not be accepted.

24.2 Payment will be released as detailed below.

- i) 90% immediately after delivering the materials at site.
- ii) 10% payment will be released against Bank Guarantee for an equivalent amount valid up to guarantee period plus two months.

25. Arbitration

25.1 The tender, supply order and contract agreement to be executed shall be governed by Indian Laws.

25.2 In the event of any dispute or difference between the parties hitherto, such dispute or difference shall be resolved amicably by mutual consultation or

through the good office of empowered agencies of the Government. If such resolution is not possible, then, the unresolved dispute or difference shall be referred to arbitration of an arbitrator to be appointed by the Administrator, UT. of Lakshadweep. The award of the arbitrator shall be binding upon the parties to the dispute. Provided however any party aggrieved by such award may make a further reference for setting aside or revision of the award to appropriate authority in Kavaratti, UT of Lakshadweep whose decision shall bind finally and conclusively. The arbitration shall be carried out in English language.

26. Jurisdiction

26.1 The dispute, if any between the parties shall be settled at District & Sessions Court, Kavaratti, UT.of Lakshadweep and contract shall be interpreted under Indian laws.

27 Address for communication & Bank Account Details

27.1 Address for communication of the Purchaser is as follows

The Executive Engineer
Department of Electricity
UT of Lakshadweep
Kavaratti-682555
Phone. 04896262363
Email-lk-ktelect@nic.in

27.2 Bidder shall submit his address for communication containing valid email address along with the Technical Bid.

27.3 Any communication to the bidder/successful bidder/ supplier shall be made through post as well as email. Date of successful sending of email shall be reckoned as date of communication for the purpose of this tender

27.4 Bank Account details of the Department is as given below

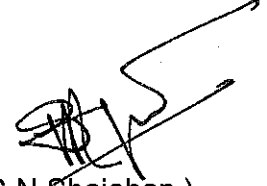
Name of the Account Holder(s)	Executive Engineer ELE
Account number	99502200027470
IFSC Code	SYNB0009950
Name of the Bank & Branch	Syndicate Bank, Kavaratti

27.5 Bidder shall furnish his Bank Account details in the above format along with Technical Bid

28. Termination of Contract

- 28.1 Violation of any of the conditions of tender document or supply order or contract agreement to be executed shall entail cancellation of tender/ contract and initiate legal action against the bidder including the blacklisting of the firm
- 28.2 Department reserves all rights to cancel the tender/ contract in full or in part at any time even without assigning any specific reason.

29. Technical specification and GTP attached schedule -A



(C N Shajahan.)

Executive Engineer/ कार्यपालक अभियंता

**GERERAL TECHNICAL SPECIFICATION OF LED STREET LIGHT
FITTING LUMINARIS**

1. SCOPE:

This specification covers Manufacture, testing, supply and delivery of LED Street Light sets 36-W at Lakshadweep Islands for installing on street light poles along the roads.

2. SITE CLIMATIC CONDITIONS:

The LED Street lighting system are meant for installing in Lakshadweep group of Islands where atmosphere is heavily saline, polluted and dusty during fair season (Dry Months) and subjected to heavy to very heavy rain, heavy lightening etc can expect any time in this area during rainy season (Monsoon period)

- a) Temperature Variation : 20.5° C to 40. 5° C
- b) Relative humidity : Up to 97 %
- c) Altitude : 0 to 5 Meters
- d) No. of tropical monsoon months : 3 (Three)
- e) Max. Wind pressure : 150 Kg/cm²
- f) Average annual rainfall : 750/800 mm
- g) Average thunderstorm base : 15
per annum.

3. INSTALLATIONS:

The LED Street Light sets are required to be installed in outdoor LT Dist. Poles along the road sides. The fixing arrangement Shall be suitable for fixing on G I Pipe. The inner diameter of the fixing arrangement shall not be less than 50mm. Normal height of streetlight pole is 5 – 6. meters from ground level and distance between each pole is 30. meters.

- 4. The luminaries casing/housing shall be of stainless sheet steel SS304 grade or aluminum having high conductivity preferably to grade 5000 or similar to high conductivity heat sink material.
- 5. The electronic components used shall be as follows:
 - a) IC (Integrated circuit) shall be of industrial grade or above.
 - b) Metallic film / Paper/Polyester Capacitor shall be rated for a sustained operating temperature of 105°C.
 - c) The resistors should be preferably made of metal film of adequate rating. The actual rating versus loading shall be by a factor of 3.

- d) The junction temperature of the Switching devices such as transistors and MOSFETs etc. shall not exceed 125°C (allowing thermal margin of 25 °C).
 - e). The protective cum adhesive coating used on PCBs should be clear and transparent and should not affect colour code of electronic components or the product code of the company.
 - f) The construction of PCBs and the assembly for components for PCBs should be as per relevant Indian / international standards.
 - g) The electronics covered for this equipment shall pass all the tests covered under relevant Indian / International standards specification. **The tenderer shall indicate the deviations or compliance otherwise the offer shall not be considered for evaluation.**
 - h) The infrastructure for Quality Assurance facilities must be available at the manufacturing facility. In house testing facility for Quality Assurance should be present. The compliance shall be indicated clearly in the tender itself.
6. The connecting wires used inside the luminaries, shall be low smoke halogen free fire retardant e-beam cable and fuse protection shall be provided in input side.
 7. Care shall be taken in the design that there is no water stagnation anywhere. The entire housing shall be dust and water proof having IP 66 protection as per IEC 60529.
 8. The LED Module(s), Driver gear, etc. shall be designed in such a way so that temperature of heat sink shall not exceed 150 °C above the ambient temperature.
 9. All the material used in the luminaries shall be halogen free and fire retardant confirming to UL94.
 10. Lumen maintenance of 70% for at least 25000 hours for Interior applications and 35000 hours for exterior applications. Data sheet showing lumen maintenance in the LED shall also be submitted.
 11. All the supplied lamps, luminaries and fittings shall carry permanent marking as **"Not for sale – Property of Lakshadweep Electricity Department"**.

12. INSPECTION, TESTING AND CERTIFICATION.

- a). Copies of all documents of routine and type test certificates of the equipment, carried out at the manufacturers premises shall be furnished to the Department.
- b). Type test certificate carried out on identical design and type of the unit of the same rating are to be furnished along with the tender. These reports should not be more than five years old. The type test certificates shall be from any of the NABL accredited test labs.

13. Guarantee / Warranty

All the items offered shall be guaranteed for a period of 2- years from the date of supply of the items to the Department against unsatisfactory performance and / or breakdown due to defective design, workmanship of material. The items or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Department.

14. GENERAL TECHNICAL REQUIREMENTS OF LED STREET LIGHT FITTING LUMINAIRS

Supply Source	180 – 240 volt. However, conditions for voltage fluctuations should be considered and the system should be robust enough to withstand such variation in supply source.
Frequency	50 +/- 1 Hz
Luminaire Efficacy	The Luminaries should have a system efficacy of greater than 95 lm/W
Illuminance requirement.	Minimum 16 Lux at ground level (1.5 m from pole towards front), not less than 1.5 Lux at a distance of 15 mtrs and 4 lux at a distance of 7.5 mtrs from the sides of the pole along the road. (Height of the lamp from ground : 5 – 6 Mtrs) (The sample must fulfill this requirement along with other requirements in order to consider as technically acceptable)
LED requirement	High power LED with correlated color temperature of 4000K or 6500K +/- 300K.
Luminaire technical requirement	The viewing angle of the luminaries shall be 120 x 70 Deg optimized for Street lighting application to achieve the uniformity. The LED luminaries should be suitable for road lighting application.
Usage Hours	12 hrs per day
Power Consumption	Maximum 36 W. Weight age may be given for less wattage with required lumens.
Power Factor	Greater than 0.95
Life Expectancy of LED	About 50,000 burning hours at a 35°C ambient temperature with 70% lumen maintenance.
Colour Rendering Index	Minimum CRI of 75
Control Circuit	Compatible with LED
Construction	Stainless sheet steel SS304 grade /Cast Aluminum / Al: with Toughened Glass sealed to IP65 with SS Toggles.


(C N Shajahan.)

Executive Engineer/ कार्यपालक अभियंता

Annexure –A

Pre-qualification Criteria for Bidder

SI No	PQ Criteria for Bidder	Whether Attached (Yes/No)	Remarks
1.	Address of the Bidder		
2.	Bank Accounts Details of Bidder		
3.	Cost of Tender Form		
4.	EMD		
5.	Whether copy of Manufacturing License is attached		
6.	Whether copy of Authorization from Manufacturer is attached		
7.	Whether copy of ISO Certificate is attached		
8.	Experience		
9.	Financial capability		
10.	Whether Broacher/leaflet is attached		
11.	Copy of GST Registration Certificate		
12.	Copy of PAN/TIN Card		
13.	Copy of Income Tax Clearance		
14.	Declaration on not blacklisted/debarred		
15.	Declaration on adherence with tender conditions		
16.	Whether Specification of quoted good matches with intended good		
17.	Whether copy of type test Certificate is attached		



(C.N. Shajahan.)

Executive Engineer/ कार्यपालक अभियंता

Annexure -B

SCHEDULE OF PRICE

SL.No	Description of item	Qty	Unit	Rate	GST	Amount
1	<p>LED Street light fittings 36 watts suitable for 230 V, 50 Hz supply system having following minimum requirement:</p> <p>a) Power Factor – 0.90 or better b) LED Street light housing should have IP 66 protection. c) Surge protection for minimum 4KV d) Operating Voltage- please specify.</p> <p>Fixing arrangement:- Suitable for fixing on GI pipe. The inner dia of fixing arrangement shall not be less than 50mm. LED Street Light fittings suitable for fixing on 40mm G.I. Pipe and as per the technical specifications and GTP mentioned in scheduled- A</p>	1000	Nos.			



(C N Shajanan.)

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