

PANCHAYAT SAMITI, KESINGA

Letter No.335

Date.01.02.2019

TENDER CALL NOTICE NO

Sealed tenders in single cover system are invited from manufacturer/suppliers of Solar PV System Stand Alone street lighting system having valid test certificates from MNRE authorized test centers for their products, GST certificate, PAN Card, other relevant documents for supply, installation, commissioning and maintenance of Integrated Solar Street Lighting System-17 Watt LED Lamp including all accessories with five years warranty & five years CMC in different Gram Panchayats of Utkela Rurban cluster in the district of Kalahandi duly self attesting all the pages. The intended bidders need to submit the bids separately for each Gram Panchayat as mentioned below.

For details, please visit to the district web site www.kalahandi.nic.in or BDO, Panchayat Samiti, Kesinga.

Sl. No.	Item	Name of the GP	Estimated cost (Rs. in Lakh)	EMD (Rs. in Lakh)	Cost of bid document (Rs. in Thousand)	Completion period
01.	Integrated Solar Street Lighting System - 17 Watt LED Lamp including all accessories with five years warranty & five years CMC.	Utkela (Part-A)	49.63	0.496	6.00	3 Calendar months
02.		Utkela (Part-B)	28.37	0.284	6.00	3 Calendar months
03.		Kikia	46.8	0.468	6.00	3 Calendar months
04.		Gokuleswar	27.6	0.276	6.00	3 Calendar months
05.		Chancher	46.8	0.468	6.00	3 Calendar months

The bid documents can be obtained from the district web site www.kalahandi.nic.in or BDO, Panchayat Samiti, Kesinga from 1st to 10th Feb. 2019 during office hours on payment of Rs.6,000/- (Rupees six thousand only) towards the cost of bid documents in shape of Demand Draft drawn from any Nationalized Bank in favour of the BDO, Kesinga payable at Kesinga. The bids need to be attached with the required EMD in shape of NSC/KVP/POSB/TDR/Post Office/Term Deposit duly pledged in favour of the BDO Kesinga without which the same will summarily be rejected.

The last date of receipt of the bid documents is 13th Feb. 2019 upto 5 PM. The bids will be received only through Speed Post/Regd. Post/Courier services only.

The bids will be opened on 14th Feb. 2019 at 11 AM in the conference hall of Panchayat Samiti, Kesinga in presence of the concerned bidders or their authorized representatives.

The authority reserve the right to accept/reject any or all the quotations without assigning any reason thereof.

sd/-

Block Development Officer,
Kesinga.

Memo No. _____ / **Date** _____

Copy submitted to the Project Director, DRDA, Kalahandi for favour of kind information and necessary action.

sd/-

Block Development Officer,
Kesinga

Memo No. _____ / **Date** _____

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Kesinga

PANCHAYAT SAMITI, KESINGA



Kesinga Rurban Cluster

**National Rurban Mission
Panchayati Raj and Drinking Water Department
Govt. of Odisha**

2018-19

Name of the work :

Supply, Installation, Commissioning and Maintenance of Integrated all-in-one Solar Street Lighting systems in different Gram Panchayats of Utkela Rurban cluster, Kesinga in the district of Kalahandi

Name of the Gram Panchayats : Utkela

Estimated Cost : Rs.49.63 Lakh (Part-1)

PANCHAYAT SAMITI, KESINGA



Kesinga Rurban Cluster

**National Rurban Mission
Panchayati Raj and Drinking Water Department
Govt. of Odisha**

2018-19

Name of the work :

Supply, Installation, Commissioning and Maintenance of Integrated all-in-one Solar Street Lighting systems in different Gram Panchayats of Utkela Rurban cluster, Kesinga in the district of Kalahandi

Name of the Gram Panchayats : Utkela

Estimated Cost : Rs.28.37 Lakh (Part-2)

PANCHAYAT SAMITI, KESINGA



Kesinga Rurban Cluster

**National Rurban Mission
Panchayati Raj and Drinking Water Department
Govt. of Odisha**

2018-19

Name of the work :

Supply, Installation, Commissioning and Maintenance of Integrated all-in-one Solar Street Lighting systems in different Gram Panchayats of Utkela Rurban cluster, Kesinga in the district of Kalahandi

Name of the Gram Panchayats : Chancher

Estimated Cost : Rs.46.80 Lakh

PANCHAYAT SAMITI, KESINGA



Kesinga Rurban Cluster

**National Rurban Mission
Panchayati Raj and Drinking Water Department
Govt. of Odisha**

2018-19

Name of the work :

Supply, Installation, Commissioning and Maintenance of Integrated all-in-one Solar Street Lighting systems in different Gram Panchayats of Utkela Rurban cluster, Kesinga in the district of Kalahandi

Name of the Gram Panchayats : Kikia

Estimated Cost : Rs.46.80 Lakh

PANCHAYAT SAMITI, KESINGA



Kesinga Rurban Cluster

**National Rurban Mission
Panchayati Raj and Drinking Water Department
Govt. of Odisha**

2018-19

Name of the work :

Supply, Installation, Commissioning and Maintenance of Integrated all-in-one Solar Street Lighting systems in different Gram Panchayats of Utkela Rurban cluster, Kesinga in the district of Kalahandi

Name of the Gram Panchayats : Gokuleswar

Estimated Cost : Rs.27.60 Lakh

National Rurban Mission (NRum)

Important Dates

1	Date of hoisting of the bid document on website	01 to 10 Feb. 2019
2	Date & time for sale of the bid documents	01 to 10 Feb. 2019
3	Last date & time for receipt of bid documents	13.02.2019
4	Date and time of opening of bid documents	14.02.2019

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Definitions

Solar street lighting systems

The stand alone solar PV street light system as per this tender is comprised of PV module, LED Lamp of 17 watt, lithium Ferro Phosphate (LiFePo4), Polycrystalline Solar panel, control electronics, octagonal Galvanized mast of 5 to 6 meter height, interconnecting wires cables, module mounting hardware as specified in the technical specifications and shall be able to provide solar electricity for operating the lamp from dusk to dawn operation.

Manufacturer

1. A person, group or company that owns or runs a manufacturing plant.
2. A person, group, or company that manufactures.

Supplier

A person/joint venture/partnership duly authorized by the MNRE certified manufacturer for distribution/supply of Installation, commissioning and maintenance of solar PV stand alone street lighting systems.

CMC

Fixed free service provided by a contractor for periodic maintenance of equipment which in the present case shall include 5 years maintenance of the installed solar PV systems including all required spares and consumables and even total replacement of the system, if necessary.

Warranty

A written guarantee, issued to the purchaser of an article by its manufacturer, promising to repair or replace it if necessary within a specified period of time.

1. ELIGIBILITY CRITERIA

- 1.1 All manufacturers/ Suppliers of solar PV systems who have got their products tested and qualified by any of the authorized test centers of MNRE, GOI (List attached at Annexure - I) and have submitted information to the test centre about the company along with a copy to the Ministry in the MNRE format will be eligible to participate.
- 1.2 The dealers/agent for items not manufactured by them can also participate in the bidding system having manufacturers' authorization certificate and also manufacturer's confirmation of extending the required warranty for the product (in addition to the tenderer's confirmation to required warranty). If the firm is an authorized agent/dealer of that manufacturer, certified documentary evidence to this effect is to be attached along with the quotation/bid. This is necessary to ensure quotation/bid from a responsible party offering genuine product, also backed by warranty obligation from the concerned manufacturer.
- 1.3 The firm must have valid GST certificate or GS Tin.
(Pl. attach copy of valid GST)
- 1.4 The firm must have valid income tax PAN and service tax registration certificate.
- 1.5 The firm must have a minimum annual turnover of Rs.5.00 crore over last three years in the business of solar PV alone.
(Pl. attach copy of audited balance sheet for 2015-16 and 2016-17 and 2017-18 clearly indicating the turn over from solar PV business)
- 1.6 The product must conform to minimum technical requirements/standards for standalone solar systems to be deployed.
(Pl. attach copies of recent test certificates from authorized Test Centers of MNRE, GOI as well as details of quality assurance systems as proof thereof)

2. SCOPE OF THE WORK

The broad scope of the work shall be supply, installation, commissioning and maintenance for 5 years of the specified solar PV systems.

This shall inter-alia include:

- 2.1 Storage facility is to be provided by the vendor for pre-installation inspection at inter mediate points for facilitating inspection by the designated officials.
- 2.2 Supply of complete Solar Street Lighting System as per technical specifications given in this document.
- 2.3 Comprehensive Maintenance Contract (CMC) of the complete system for five years warranty period. The date of commencement of CMC shall be reckoned from the date of commissioning of the last system of the given order.
- 2.4 Training is to be imparted to at least two youths from each of the project village/hamlet in assembling and installation of the systems including providing first aid maintenance services.
- 2.5 Open at least one cluster level local office/service centre for maintenance/repair works.
- 2.6 The successful bidder shall after completion and commissioning of the systems submit all details of the installed systems like system details, installation report etc. in the formats to be provided at the time of issue of purchase order. The details will also include Photographic proof of delivery of the system in all villages.

2.7 All necessary conditions as further outlined in the subsequent sections of this document are to be followed.

3. INSTRUCTIONS TO BIDDERS

3.1 General Instructions

- Interested bidders are advised to view the detailed tender documents at www.kalahandi.nic.in or at Panchayat Samiti, Kesinga.
- Bidders desirous of participating in the tender shall have to pay the tender costs mentioned in notice inviting tender. The tender cost is required to be paid in shape of Demand Draft only drawn from any nationalized bank in favour of BDO, Kesinga and payable at Kesinga. The tender cost is exclusive of GST and is not refundable.
- Earnest money (EMD) as specified in bid i.e. 1% of the total cost shall be deposited in shape of NSC, Kissan Vikash Patra, POTD, POSB / Fixed Deposit receipt/TDR etc. from any nationalized bank in an acceptable form at the time of submission of bid and another 1% of the bid amount at the time of drawal of agreement. The bid security shall be normally remained valid for a period of 45 days beyond the final bid validity period of 90 days.
- Bid securities (EMD) of the unsuccessful bidders shall be returned to them one week after finalization of bid.
- The bidders shall submit copies of documents defining their respective constitutional or legal status, place of registration and principle place of Business Company or firm or partnership.
- Only bidding companies are required to submit Board Resolutions in prescribed format given at Annexure -II
- Bidding firms are required to submit documents related to assignment of Power of Attorney to sign the agreement on behalf of bidders.
- Bidding Partnership firms are required to submit complete partnership deeds along with the bid documents.
- The bidders shall submit reports on their financial standing such as audited profit and loss statements, balance sheet, Auditors reports and banker's certificates for the past three years. All accounting statements must be duly audited and submitted along with the auditors note accounts and accounting standards.
- The bidders shall submit information on their performance during last 3 years in format given at Annexure - III
- The bidders shall have to indicate their capacity to manufacture/integrate the different solar PV systems asked for in this tender within the specified time after meeting all their other similar commitments.
- The supplied materials shall strictly comply with the specifications as mentioned in the bid, otherwise the material shall be liable for rejection.
- Certificate to the effect that the systems to be supplied are indigenous & not fully imported must be furnished.
- Since timely execution of works is the essence of the contract, requests for extension of time shall not ordinarily be entertained.
- Notice inviting tender, bid documents, prescribed Technical bid, Financial bid, terms & conditions shall form the part of the tender/bid.

- Bidders may in their own interest visit the sites before submitting bids.
- All Taxes applicable at the time of supply will be admissible.
- The security deposit as admissible shall be deducted from each running bill at the rate of 3% of the gross amount of each bill.
- In case of supply of any defective material or substandard material, the materials will be rejected & it will be the responsibility of the supplier for taking back & replacing the rejected materials at their own cost. In case of non-lifting of such rejected materials within a reasonable time offered by the office, it shall be the right to suitably dispose off the same and forfeit the amount.
- Panchayat Samiti, Kesinga/DRDA, Klahandi will not be responsible for any incidental or consequential losses of the firms while execution and till expiry of the period of maintenance.
- During the warranty period MNRE/SPMU (Rurban)/Panchayat Samiti/DRDA/Users reserve the right to cross check the performance of the systems with the minimum performance levels specified in the MNRE specifications.
- Deviations in terms and conditions, specification of material, inspection clause etc. will not be accepted under any condition.
- The Financial and Technical bid along with the photo copies of documents in support of meeting the minimum qualifying requirement of the tender shall be given as attachments.
- Prices quoted must be firm and fixed. It shall be quoted in both figure and word. No price variation/escalation shall be allowed during process of completion of the project.
- Conditional tender shall not be accepted. Therefore, it is in the interest of the bidders not to write anything extra in the Price Bid except price.
- Canvassing in any manner shall not be entertained and will be viewed seriously leading to rejection of the bid.
- If a special situation arises, where the L1 bidder is not in a position to supply the full quantity required, the remaining quantity, as far as possible may be awarded to the L2 bidder at the approved rate of the L1 bidder after obtaining specific approval from the competent authority.
- The authority reserves the right to split the quantities and to award the said work to more than one bidder at the approved tendered rate.
- The bidders shall exhibit the sample of the items to be installed on the day of opening of sample. The bid shall be rejected if the bidder fails to produce the sample.
- The bidders registered under NSIC, OSIC, DGSD are entitled for price preference as admissible provided the offers under consideration are otherwise clear for acceptance in all respect.
- The bidder is not entitled to withdraw his offer after opening of tender.
- All subsequent addendum/corrigendum to the tender shall be hoisted in district official website www.kalahandi.nic.in.

3.2 Submission of Bids:

- The bids must be submitted in single cover system super scribed the name of work submitted for by registered or speed post only duly filled up price bid in Annexure -IV and Annexure - V
- The bidder must ensure that the bids are received within the specified place, date and time as indicated in the Tender notice.

- The bidders are required to provide their phone numbers.
- Bidders shall not be permitted to alter or modify their bid after expiry of deadline for receipt of bid.
- All the bid documents shall be self attested in all pages failing which the bid will be rejected.
- The bids received after the scheduled date and time will not be entertained and non acceptable.

3.3. Late Bids:

- The bidders shall not be permitted to submit the bid by any other mode not mentioned in the bid document. In such case, even if the bidder has submitted the specific document in hard copy in original within the stipulated date line, the bid shall be considered as late bid and not acceptable.
- The bids receipt beyond the prescribed date and time shall not be entertained.

3.4. Modification and withdrawal of Bids:

- No bid shall be withdrawn after the deadline for submission of bids. Withdrawal/modification of bid before the expiry of bid validity shall result in forfeiture of Bidder's EMD.

3.5. Procedure for opening the Bids:

- The Technical bid and financial bid shall be opened at the time & date mentioned in the bid documents in presence of bidders or their authorized representative.
- If due to any reason the due date is declared as a holiday the bid will be opened on next working day at the same time.

3.6. Performance Security

- The performance security shall be deposited within seven days from declaration as successful bidder awarded the contract equal to five percent of the contract value in the shape of NSC, Kissan Vikash Patra, POTD, POSB / Fixed Deposit receipt/TDR etc. from any nationalized bank in an acceptable form etc. as mentioned above for safeguarding the purchaser's interest in all respect.
- Performance security shall remain valid for a period of 60 days beyond the date of completion of all contractual obligations.

3.7. Advance to Contractor

- No advance shall be made to the supplier.
- The payment shall be made on satisfactory completion of distribution/supply of Installation, commissioning of solar PV stand alone street lighting systems as specified herein after.

3.8. Acceptance of the Bid Documents

When the person to whom the proposal is made signifies his assent thereto, the proposal is said to be accepted provided it shall be a responsive bid. A proposal when accepted becomes a promise.

3.9. Cancellation/Rejection of the Bid Documents

The bids shall be cancelled or rejected on the following grounds:

- a. Special conditions which are not in the tender notice and which are unacceptable.

- b. Indefinite conditions which will make difficult to access the financial implications.
- c. Tenders being complete in some important respect.
- d. Failure to specify the time within which the work can be completed.
- e. Failure to deposit the specified amount of earnest money.
- f. Unduly low and unworkable tendered rates.
- g. Irrational rate in different items of a tender.

The Panchayat Samiti, Kesinga reserves the right to accept or reject any or all bids without assigning any reason thereof.

3.10. Price preference

As per the extant rules, when acceptable offers are received against an ad-hoc requirement of unreserved goods from various categories of suppliers, including Large Scale Sector, Public Sector Undertakings and Small Scale Sector, the offer from the Small Scale Sector, which is registered with National Small Industries Corporation (NSIC) or with Directorate General of Supply and Disposal (DGS & D) is entitled for price preference upto 15% over the offer of Large Scale Sector and 5% over the offer of Public Sector Undertaking, provided the offers under consideration are otherwise clear for acceptance in all respects.

BDO, Kesinga

I/we have carefully read & understood the above terms & conditions of the bid and agreed to abide by them.

Signature of Bidder with Seal

4. COMMERCIAL TERMS & CONDITIONS

4.1. Rate

The offer should indicate the unit cost of the System, Installation & Commissioning charges, CMC Charges and GST separately. The unit cost must be inclusive of packing, forwarding, loading & unloading charges, cost of insurance and transportation for destination where the system will be installed as per the work order.

4.2 Tax & Duties etc

Applicable as per GST Rule.

4.3 Earnest Money Deposit

- Earnest money is required to be deposited along with the bid without which the bid will not be accepted.
- No interest will be payable on the EMD amount under any circumstances.
- Earnest money can be deposited in shape of NSC, Kissan Vikash Patra, POTD, POSB / Fixed Deposit receipt/TDR etc. from any nationalized bank in any acceptable form. The EMD in any other form shall not be accepted and the bid will be rejected.
- EMD shall be refunded to the unsuccessful bidders after finalization of the bid without any interest after one week.
- EMD shall be refunded to successful bidder(s) on receipt of performance security.
- EMD shall be forfeited in case of non-compliance of the purchase order by the successful bidder.
- In case of claim for exemption from deposition of Earnest money sufficient proof in support of claim for exemption of EMD is to be attached with the bid.

4.4 Security Deposit/ Performance Security Fees

The successful bidder must deposit the performance security amount equal to five percent of the contract value within fourteen days after notification of the award and it should remain valid for a period of 60 days beyond that of completion of all contractual obligations of the supplier including warrantee obligations. The said deposit shall be forfeited, if the supplies are not made as per the Terms & Conditions of the purchase order.

The security deposit amount will be refunded after 60 days of expiry of the warranty period and CMC period subject to satisfactory execution/performance of the systems.

5. AWARD OF WORK:

In view of large geographical spread, remoteness, limited time available for completion of the project as well as past experience the authority may split the work order among a maximum of 3 techno-commercially qualified bidders provided that the second, third bidder or latter in serial order positioned based on their lowest quoted prices agree to execute the work at the prices quoted by L1 bidder. In such case the order will be split equitably to the maximum extent possible with regards to the value of the order. If only two bidders will be agreeable to execute the work at L1 prices the total order will be divided equally between the two. If other bidders are not agreeable to execute the work at L1 price then the entire work is to be executed by L1 bidder.

6. DELIVERY PERIOD/PROGRAMM EXECUTION SCHEDLUE

6.1 The delivery period shall be three calendar months as specified in the bid documents.

6.2 Upon intimation about commissioning of the system by the executing firm a joint inspection will be carried out by the representatives of the executing forms and the purchaser. Thereafter a

joint inspection report regarding the commissioning of the system shall be brought out within 30 days in the prescribed format which shall form a part of the document for release of payment.

6.3 The issuance of a joint commissioning report shall, in no way relieve the executing firm of its responsibility for satisfactory operation of the street lighting system.

7. QUANTITY

The quantities of Solar Street Lighting Systems, mentioned in the bid are subject to revision according to the requirement.

8. VALIDITY OF OFFER

The offer must be kept valid for a period of ninety days from the date of receipt of the bid. The validity can be further extended with mutual consent.

9. ESCALATION

No escalation clause except the admissible tax component under the period of consideration shall be accepted.

10. GST

The bidders must submit attested copy of valid GST certificate along with the bid. The bid shall not be considered without this document. The original certificate shall be produced at the time of opening of the bid or before placement of purchase order if required.

11. WARRANTY

11.1 The Solar Street Lighting Systems shall be warranted against any manufacturing defect or bad workmanship for a period of 10 (Ten) and 5 (five) years respectively from the date of commissioning of the systems. Warranty certificate (Format in Annexure -VI) to the above effect must be furnished along with the commissioning reports. Any defect noticed during warranty period should be rectified/replaced by the supplier free of cost with due intimation to the Panchayat Samiti, Kesinga. Care shall necessarily be taken to make the system operational within a week of reporting of defect. If the system is not made operational within fifteen days, Panchayat Samiti, Kesinga may rectify the same and all expenses incurred there of shall be met out of the dues of the vendor. The defects shall not ordinarily be attributed to tempering by the users. The firm has to devise suitable mechanism to ensure non-tempering of systems.

11.2 The warranty period shall be extended for a period the system remains non operative due to the reason within the control of the executants. Care should be necessarily being taken to make the system operative within a week of reporting of any defect.

11.3 The repair and maintenance including replacement of defective accessories of the system during the warranty period shall be done by the bidder at his own cost.

12. PENALTY AND TERMINATION OF CONTRACT

The systems shall be supplied, installed and commissioned within the scheduled time. If the supplier fails to adhere to the schedule, Panchayat Samiti, Kesinga shall without prejudice to its other remedies under the contract deduct from the contract price as liquidated damages a sum equivalent to 1% of the delivery price of the delayed goods or unperformed services for each week of delay until

actual delivery or installation/commissioning up to a maximum deduction of 10% of the contract price for delayed goods or installation and commissioning. Once the maximum is reached (i.e. 10 weeks of delay) Panchayat Samiti, Kesinga may consider termination of the contract and forfeit the security deposit without prejudice to the other remedies of the contract along with recovery of mobilization advance by forfeiture of bank guarantee.

However, Panchayat Samiti, Kesinga may at his own discretion allow reasonable time extension upon written application of the supplying firm. If the delay is considered intentional or due to negligence of the vendor extension can be allowed with imposition of penalty. If the delay is considered to be genuine time extension can be allowed without imposition of penalty.

13. FORCE MAJEURE

The supplier of the SPV system shall not be charged with liquidated damages nor shall his security for performance be forfeited when failure of the supplier in making delivery is due to any event beyond the control of the supplier and can not be foreseen, prevented or avoided by a prudent person. These include, but are not restricted to acts of God, acts of public enemy, acts of Government, fires, floods, epidemics, strikes, freights, embargoes and unusually severe weather.

14. REMEDIES TO PURCHASER FOR DELAY IN SUPPLY/NON-SUPPLY FOR WHICH SUPPLIER IS RESPONSIBLE

The purchaser shall have the following options depending upon the circumstances of the case:

- i) Extend the delivery with imposing of liquidated damages and other denial clauses
- ii) Forfeit the performance security
- iii) Cancel the contract
- iv) Impose other available sanctions/penalties

15. LIQUIDATED DAMAGES

In case the supplier fails to complete the work within the stipulated period the liquidated damages maximum upto 10 percent shall be recovered over the left over work.

16. TERMINATION OF CONTRACT FOR INSOLVENCY

If the supplier becomes bankrupt or otherwise insolvent, the purchaser may, at any time, terminate the contract, by giving written notice to the supplier, without compensation to the supplier 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.

17. TERMINATION OF CONTRACT FOR CONVENIENCE

After placement of contract, there may be some unforeseen situation compelling the purchaser to cancel the contract. In such a case, the purchaser is to send a suitable notice to the supplier for cancellation of the contract, in whole or in part, for its (purchaser's) convenience, inter alia, indicating the date with effect from which the termination is to become effective. Depending on the merits of the case, the purchase organization may have to suitably compensate the supplier on mutually agreed terms for terminating the contract. Suitable provisions to this effect are to be incorporated in the tender document as well as in the resultant contract.

18. INSPECTION

All tests and inspections shall be made at the place of delivery unless otherwise specifically agreed upon by the bidder and Panchayat Samiti, Kesinga at the time of purchase. Authorized Panchayat Samiti, Kesinga Officer shall be entitled at all reasonable time to inspect and supervise and test during erection and commissioning. Such inspection will not relieve the executing firm of their obligation in the contract.

Panchayat Samiti, Kesinga shall have the right to carried out all test by an independent agency at any point of time and the testing charges shall be borne by the supplier. Pre-delivery inspection at the factory site if necessary will be carried out by Panchayat Samiti, Kesinga.

Post installation verification shall be conducted by Panchayat Samiti, Kesinga at any point of time after receipt of installation report.

19. PAYMENT

19.1. Payment shall be made on production of the following documents by the supplier

- Joint commissioning report (in prescribed format)
- Installation report (in prescribed format)
- Photograph of installation
- Names of the trained village youths
- Contact details of cluster level service centres
- Photograph of village wise sign boards
- 100% check measurement by the concerned AEE
- 10% check measurement by the concerned APD (T)

19.2. Modes of Payment

The payment shall be made in INR through NEFT/RTGS etc.

19.3. Deduction of Income Tax, Service Tax, etc. at Source from Payments to Suppliers

This will be done as per the existing law in force during the currency of the contract.

20. STAGES AND MODES OF INSPECTION

The inspection shall be open to all and it shall be made as under

ii) **Inspection of goods on receipt at consignee's / user's site:** Such inspection is done on receipt of goods at site before accepting the same.

iii) **Inspection after Installation & Commissioning of the equipment at site:** This method is adopted to check the performances and output of the equipment / machinery after the same is commissioned at site and receipt of installation report.

21. EXECUTION

Execution of work shall be carried out diligently in an approved manner as outlined in the technical specification or where not outlined, in accordance with relevant Indian Standard Specification, to the reasonable satisfaction of the Authorized Officer of the Panchayat Samiti, Kesinga.

22. COMPREHENSIVE MAINTENANCE CONTRACT

The bidder must enter into a Comprehensive maintenance contract for the specified period at the time of execution of the order. Offer without such CMC shall not be considered. (Sample format of CMC enclosed at Annexure - VII). The scope of CMC must cover supply of spare parts including battery / services during the contract in force. Order shall be placed to bidders who agree to offer such CMC. The CMC charges quoted by the bidder must be realistic in view of actual rendering of after sale services. Bids with very low/unrealistic CMC charges will be liable for rejection. The payment of annual

maintenance charges under the Comprehensive Maintenance Contract shall depend upon the functionality of the system duly certified by the Panchayat Samiti, Kesinga. Upon receipt of such certificates CMC amount as applicable shall be paid at the end of 1st, 2nd, 3rd, 4th and 5th years.

23. LIMITATION OF LIABILITY

Panchayat Samiti, Kesinga will in no case be responsible for any accidental, fatal or non-fatal caused to any worker or outsider in course of transport or execution of work. All the expenditure including treatment or compensation will be entirely borne by the supplier. The supplier shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations.

24. SETTLEMENT OF DISPUTE

In case of any dispute arises between the supplier and purchaser shall be tried to resolved amicably by mutual understanding. If the party fails to resolve the dispute within 21 days shall be settled through arbitration under the jurisdiction of Bhawanipatna Court only as per Indian Arbitration and Conciliation Act-1996.

25. STANDARDS COMPLIANCE :

25.1 The system is conforming to the standards IEC60598-223, IEC62109-, EN50530, IEC61547CISPR15, IEC62133 & UL 1642 and IEC61730-1, 2 & IEC61215 and would be followed during execution.

25.2. IS 1904 (1986), IS 383-1970, IS 456-2000, IS 2629 (1985), IS 4826 (1979).

BDO, Kesinga

I/We have carefully read and understood the above terms and conditions of the bid and agreed to abide by them.

Signature of Bidder

SD/-

**Approved Addl. PD (Tech)
DRDA, Kalahandi**

26. TECHNICAL SPECIFICATION FOR SOLAR STREET LIGHTING SYSTEM

A stand alone solar photo voltaic Street Lighting System (SLS) is an outdoor lighting unit used for illuminating a street or an open area. The Solar photovoltaic Street Lighting System comprises of Solar photovoltaic (SPV) module, a luminaire, storage battery, control electronics, interconnecting wires/cables, module mounting pole including hardware, operational instruction and maintenance manual. The luminaire is based on white Light Emitting Diode (W-LED), a solid-state device which emits light when electric current passes through it. The luminaire is mounted on the pole at a suitable angle to maximize illumination. The configuration is described below.

Component	Specifications
Solar PV Panel	12 Volt, 28 watts peak
Solar cell efficiency	Minimum 12%, Poly Crystalline
Battery Chemistry & Capacity	Lithium Ferro Phosphate, LiFePo4 >170 Wh
Charging Electronics	Integrated MPPT Charger with Driver
Charger Efficiency	>90%
Driver Efficiency	>90%
System wattage	12 Volt DC, 17 Watts (+/-10%)
LED Street light	17 Watt, System Lumen output > 3000 Lumen
LED Burning Hour	>50,000 Hours at L70
Ingress Protection Rating	IP 65
System Efficacy	Minimum 175 lumen/Watt
Motion Sensor	Inbuilt with PIR Sensor
CRI of Illumination	>70
Colour Temperature	Typical 5700K
Operating Humidity	>95%
Pole and Hard wares	GI octagonal galvanized iron pole having bottom dia 130 mm and top dia 70 mm with hard wares having 5 mt Height above ground level.
Duty Cycle	From Dusk to Dawn, five hour full light, rest of the time at lower light with monitor sensor.
System type	Integrated type

An operation, Instruction and Maintenance Manual in English and the Oriya language, should be provided with the System.

The following minimum details must be provided in the manual:

- About the Solar System – its components and expected performance.
- About the PV Module.
- About the LED
- About the battery
- About the electronics.
- About charging and significance of the indicators.
- Do's and Don'ts

MNRE Authorised Test Centres

Sl No.	Name and Address of Test Center	Products Tested
1	Electronics Regional Test Laboratory (East), D N Block, Sector V, Salt Lake City Bidhan Nagar, Calcutta - 700 091 Fax : 033-23679472 / 23678974 E.mail : ertleast@ertle.ernet.in	Solar Lighting System
2	Central Power Research Institute Energy Conservation and Development Division PBNo.8066 Raman Road Bangalore:560080 Tel No. 080-23604682 080-23604682, Fax: 080-23601213 Sri C.V.	Solar Lighting System
3	National Institute of Solar Energy (Ministry of New and Renewable Energy) Gwalpahari, Gurgaon - Faridabad Road, Gurgaon - 112 001, Haryana, Telephone : 011 - 2436 0331 011-2436 0331 (New Delhi), 0124 - 2579207 0124 - 2579207, 0124- 2579208 (SEC, Gurgaon)	Cells, Modules, Systems & Developmental Testing
4	Electronics Test and Development Centre (ETDC) Ring Road, Peenya Industrial Estate, Bangalore - 560 058 Telephone - 080 - 8395992, 080- 9394766 Fax - 080- 839 1804	PV Modules

BOARD RESOLUTION

(To be submitted on pre-printed Corporate Letter Head)

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED IN THE MEETING OF THE BOARD OF DIRECTORS OF M/S.....

HAVING ITS REGISTERED OFFICE AT..... HELD ON DD/MM/YY AT....

HRS Resolved that the company/firm do agree to participate in the tender invited by OREDA vide Notice No Dtd..... for Design, supply, installation, commissioning and maintenance for a period of 5 years of No. of Solar Street Lighting Systems (SLS), given in the tender document.

RESOLVED FURTHER THAT, the company/firm does agree to unconditionally accept all terms and conditions mentioned in the aforementioned tender document.

RESOLVED FURTHER THAT, subject to eligibility, the company/firm agree to open an effective service center in the state of Odisha, preferably in the vicinity of projects so as to cater regular maintenance services to the customers of the company/firm.

RESOLVED FURTHER THAT, Ms/Mr Director and/or Ms/Mr..... authorized signatory of the company be and hereby authorized to sign, execute and submit such applications, undertakings, agreements and other requisite documents writings and deeds as may be deemed necessary or expedient to implement the above assignment

AND RESOLVED FURTHER THAT, the common seal of the company is affixed, wherever necessary, in the presence of any Director of the company who shall sign the same as token of the presence.

For

Chairman/Company Secretary

Name of the Authorized person

Specimen Signature of Authorized person

The above signature to be attested by the person signing the resolution

Format of Performance for last 3 years**(To be submitted on letter head of company)**

Sl No.	Particulars	Details to be filled up
1	Name of the bidder and contact details	
2	Status of bidder (Manufacturer/System integrator)	<i>In support of this the bidder may submit valid certificate from MNRE/Other state agency/Rating agency</i>
3	Production/Integrating capacity per annum	<i>In support of this the bidder may submit valid certificate from NSIC/DIC/OSIC</i>
4	Total amount of solar system (On/Off-grid power plant, Street light, Solar Pump, Home lighting system) installed in kWp in 3 years (2015-17 to 2018-17)	<i>Please submit year wise installed data along with roofs thereof such as work completion reports by the concerned customer.</i>
5	Annual Turnover over last 3 years (2015-17 to 2018-17)	
6	No. of employee currently working	
7	Awards/ Honours received during last 3 year	

Date:.....

(Signature).....

Place:.....

(Printed Name).....

(Designation).....

(Common Seal).....

ANNEXURE -IV

**PRICE BID
(To be filled by the Bidder)**

SOLAR STREET LIGHTING SYSTEM WITH FIVE YEARS WARRANTY AS WELL AS CMC.

Sl. No.	Description of Item	Quoted Rate in INR per System in Figure	Quoted Rate in INR per System in Ward
1.	Supply, Installation, Testing and commissioning of all-in-one integrated LED Solar Street lighting Luminaire System with housing of Die cast aluminum, UV stabilized Polycarbonate cover, system wattage not exceeding 17 Watt, 12 v DC with lumen efficacy not less than 175 Lumen per watt. Luminaire has integrated MPPT charger with driver with charge efficiency > 90% and should be available in CCT of 5700K. Luminaire should have highly saved and advanced long life maintenance free Lithium Ferro Phosphate (LiFePo4) battery used for a hassle free operation along with in-built PIR sensor with dimming profile Luminaire Should be capable of operating at line voltage without any separate power supply from 100-240 v AC. Life time should at least 50,000 hour at L70 at 25 degree centigrade etc. complete as per the specification and the direction of the Engg. In charge.		
2.	GST @ 5% on item-1		
3.	Sub-Total (1+2)(A)		
4.	Installation & commissioning of the system at the given location including cost, carriage of octagonal galvanized pole having bottom dia. 130 mm and top dia. 70 mm. and erection including foundation. As per the specification and direction of the Engg. In charge.		
5.	GST @ 18% on item-1		
6.	Sub-Total (4+5)(B)		
7.	Annualized Comprehensive Maintenance Contract for five years : 1 st Year : 2 nd Year : 3 rd Year : 4 th Year : 5 th Year :		
8.	Sub Total (7+8) (C)		
9.	Grand Total (A+B+C)		

Bidders are required to follow the details of technical specification while quoting rates for each items.

Signature of the Bidder
Approved Copy

TECHNICAL SPECIFICATION AS FURNISHED BY THE BIDDER

Supply, installation, commissioning and maintenance for Solar Street Lighting System,

We confirm the following technical specification:

Sl. No	Item	Description
1.	Duty Cycle	
2.	Lamp	
3.	Battery	
4.	Electronics	
5.	PV Module(s)	
6.	Electronics Protection	
7.	Mechanical Hardware	
8.	Others Features	

SIGNATURE OF THE BIDDER WITH SEAL

FORMAT FOR WARRANTY CARD TO BE SUPPLIED WITH SOLAR STREET LIGHTING SYSTEM

1	Name & Address of the Manufacturer/Supplier of the System	
2	Name & Address of the Users / Village Energy Committee	
3	Date of Supply of the System	
4	Details of SPV module (s) supplied in the system Make (Name of the Manufacturer) Model Serial No. (s) Wattage of the PV Modules under STC Warranty valid up to	
5	Details of Battery Make (Name of the Manufacturer) Model Batch/Serial Nos.(s) Rated V & AH capacity at C/20/C/10 rate at 20 C Warranty valid up to	
6	Details of Electronics other BOS items Make (Name of the Manufacturer) Model Serial No. (s) Warranty Valid up to	
7	Designation & Address of the person to be contacted for claiming warranty	

During the warranty period MNRE / OREDA authorized Office / Users / VESs nominated trained person reserves the right to cross check the performance of the system with the minimum levels specified in the MNRE specification.

(Signature)
Name of Designation
Name & address of the
Manufacturer/Supplier
(Seal)

Place: -

Date : -

SAMPLE FORMAT FOR C.M.C

(Subject to modification as per suitability of system and project requirement)

Comprehensive Maintenance Contract (CMC) for maintenance of SPV system supplied and install by M/S

.....
for five years.

This Comprehensive Maintenance Contract (CMC) is executed between the BDO, Kesinga represented by its Officer on Special duty hereinafter called as 1st party and M/S herein after called as 2nd party, for maintenance of sets of for a period of five years with effect from AD, supplied, installed and commissioned vide purchase order No Dated in village blocks of Districts.

The 2nd party will maintain these Systems as per the terms and conditions mentioned here under.

1. It has been envisaged in the purchase order No/ Panchayat Samiti Kesinga dated..... under clause No that these sets of..... shall be warranted against any manufacturing defect and bad workmanship at least for a period of 5 years for the system and battery and 10 years for the PV modules from the date of commissioning. As these systems have been commissioned and handed over to the 1st party BDO, Kesinga During all these systems, as such are covered under warranty period up to, and respectively.

Hence, the 2nd party is fully responsible for their trouble free maintenance and the 2nd party is liable to rectify / remove any defect noticed within the aforesaid period free of

cost.

2. The 2nd party will impart training to two nos. of youth from each completed village to be able to provide first aid repair service for the SPV systems installed in the village.
3. The 2nd party will ensure a formal training of such identified youth (2 from each village) at a cluster level of villages in consultation with the 1st party.
4. An amount of 10% of the ordered value shall be kept as fees towards Performance guarantee for a period of 10 years of warranty & maintenance. After expiry of the successful and satisfactory maintenance period of 10 years which remains valid up to AD , the security deposit / PGF shall be returned to the 2nd party thereafter only.

5. The CMC includes repair/ replacement of all spares and consumable, including CF Lamp, battery & PV module during the maintenance period.

6. The 2nd party will setup a state level office at Bhubaneswar duly headed by a Service Engineer.
7. The 2nd party shall undertake the periodical maintenance work of these sets prescribed formats attached herewith (Format I) on the 10th of every succeeding quarter duly countersigned by the concerned Panchayat Samiti, Kesinga
8. The 2nd party should be in readiness to attend to the defects of any system (out of these Sets), as and when required by the beneficiary/ 1st party and ensure rectification of defects and restore functionality within seven days of lodging the complaints. The 2nd party shall furnish the status report after the maintenance work are over, which shall invariably bear the signature of the beneficiaries as per the format annexed herewith (format- II).
9. The 2nd party shall appraise the 1st party about the requirements and supply of spares during warranty as well as CMC period.
10. The 2nd party will ensure to submit quarterly reports of visits made by their representatives to the completed villages every three months during the warranty and CMC period.
11. The 1st party in consultation and cost sharing with the 2nd party will maintain a central complaint cell at Bhubaneswar along with adequate stock of spare parts as a backup.
12. Separate bills/ invoices in triplicate enclosing the prescribed formats duly filled in (Format-I and II) are to be submitted by the 2nd party to 1st party for effecting payment after end of the each year from the date of maintenance of the systems.
13. Certificates in support of successful maintenance of the system(s) shall be obtained from the users which should be countersigned by the Panchayat Samiti, Kesinga, in token of verification of maintenance done.
14. It will be the liberty of the 1st party to cross check the systems maintained by the 2nd party. Random verification of the maintenance may be carried out by the 1st party wherever necessary.
15. The 2nd party may continue to maintain the gadgets after expiry of the maintenance period of 10 years , provided the beneficiaries/ 1st party desires.
16. For adjudication of any dispute between the two parties arising on execution of this CMC, the matter shall first be brought to the notice of Panchayat Samiti, Kesinga.

17. In case, there will be no amicable settlement of the issues, the matter can be referred to the court of law having jurisdiction at Bhubaneswar only.

The Annual Maintenance contract is signed jointly between the two parties today i.e on dated day of 2018 and shall come into force from the date of its signature(s).

For and on behalf of Governor of Odisha.

(1st Party)

For and on behalf of M/S

.....
.....

(2nd party)
with Seal

Panchayat Samiti, Kesinga

FORMAT-I

(To be furnished in duplicate by the 2nd Party)

Post installation inspection report

(A) PARTICULARS

1. (a) Placement of installation

(village/hamlets) :

(b) Gram Panchayat :

2. Block :

3. District :

4. Date of visit :

5. Name & Address of the Staff visiting the installation:

(B) OBSERVATIONS (To be filled in by the staff visiting the installation).

(i) Have seen any :

8. Visual damage of the system

9. Damage of the PV module :

10. Sl. No. & Make of the PV module :

11. Sl. No. of the system :

12. Condition of the battery :

13. Make & Sl. No. of the battery :

(ii) Conditions of the

14. Electronic Charge Controller :

15. LED Lamp :

16. Electrical condition :

17. Routine maintenance work :
- (i) Cleaning of the module surface :
 - (ii) Tightening of the all electrical connection :
 - (iii) Changing of Tile angle of the module mounting structure. :
18. Type of repair / rectification carried out :

Signature of the user (Villager) : 1.

2.

Signature of the staff visiting the installations with date

Panchayat Samiti Kesinga

FORMAT-II

PRE INSTALLATION INSPECTION REPORT

1.	Date of Inspection	:		
2.	Location	:		
		Village	Panchayat	Block

3.	Make of the System and No.	:
----	----------------------------	---

4. Visual Inspection (conditions of)

Module :

Mast :

Luminaire :

Electronics :

Battery :

Remarks:

Signature of the Inspecting Official

Date: -

Signature of the Users (Villagers): 1.

2.

Signature of the
Representative of the
Supplier

Agreement for Supply of Goods

THIS AGREEMENT made this day of 20 BETWEEN

M/s. & Co Ltd having registered office at in the State of (here in after called the 'Supplier' which expression shall, unless excluded in the subject or context, include the heirs, successors, legal representatives, and permitted assigns) of the one Part. AND the Governor of Odisha (hereinafter called the 'the Governor' which expression shall, unless excluded in the subject or context, include the heirs, successors, legal representatives, and permitted assigns) of the other Part.

WHEREAS the Governor wants to purchase the goods mentioned in the schedule.

NOW THESE PRESENT WITNESSES AND IT IS HEREBY AGREED AS FOLLOWS:

1. That the time shall be the essence of the contract and the supplier shall supply the goods in the schedule completely so as to make delivery (place) on or before the date failure to do which will entitle the Governor to rescind the contract immediately.

2. That the goods shall be of the specifications and price mentioned against each. Any variation on inspection will entitle the Governor to refuse the consignments either in whole or in part, as the case may be, the whole, if the part renders it useless.

3. That the goods shall be inspected at (place) in the presence of the officers of both parties duly authorized in that behalf on a day fixed in a notice by either of the parties, provided such day is not postponed for more than a period of two months after the date given in the notice. Default by the Supplier shall disentitle him to raise any objection subsequently to the result of inspection made by the Governor in his absence and claim any compensation on that account.

4. That the Supplier shall guarantee durability of the goods for a period of from the date of completion of supplies and installation in the case of machineries and any damage, done to the goods in the usual course of use or any deficiency, detected in them subsequent to such completion and installation and during the period aforesaid shall be made good to render due service at the cost of the Supplier within a period of two months from the date of receipt of the notice in that behalf and no decision shall be taken by the Supplier or any person on his behalf as to the defects or deficiency without notice to the Governor failure to do so shall be deemed that the Supplier has no intention to discharge the obligation and thereupon the amount of security, deposited separately or withhold from his bill, shall stand forfeited to the Governor. The Supply of goods other than machineries shall be deemed to be complete only after final approval by the officer duly authorized on inspection whose decision shall be final and in case of machineries exactly in the same manner and installation which would include test working for 7 (seven) days.

5. The Goods shall be duly packed and insured by the Supplier for transit and be dispatched at the risk of the carriers and the Governor shall not be responsible for any loss or damage during the transit or at any time prior to inspection and approval.

6. That the price of goods shall be paid in advance or on the completion of supplies and installation as the case may be in agreed installments on bills submitted (as indicated in the Payment Schedule) provided the Governor may withhold payment of per cent of the total amount payable as security for the period of guarantee if no amount equal thereto has already been deposited as such.

7. That any damage or deficiency if not removed during the stipulated period by the Supplier may be removed by the Governor at his cost to be reimbursed by the Supplier. Any amount payable to the Governor hereunder shall be recovered as public demand under the Orissa Public Demand Recovery Act, 1963 and shall bear 6% interest per annum till certificate for recovery is filed.

8. That the supplier shall deposit Rs. (Rupees.....) only towards earnest money at the time of acceptance of tender for due performance of the covenants hereof and such money shall be forfeited to the Governor in case of breach of all or any of the covenants.

9. That any dispute arising hereunder shall be resolved in the following manner:
.....
.....

10. That Sri..... is duly authorized in the order No....., dated by the Governor and Sri on behalf of the company to execute the deed.

11. The cause of action hereunder shall always be deemed to arise at.....

12. That the stamp duty shall be borne by.....

SCHEDULE OF GOODS

Name of the Goods:

Specification with number and make etc.:

Price Agreed :

Schedule of Payment :

Mode of Payment % of Price :

Condition precedent for payment :

Remarks:

Advance Payment:

Payment against :

Supply/ Installation:

IN WITNESS WHEREOF the parties hereto have signed this deed this day..... of.....
..... mentioned against the signature of each in the presence of.....

Witness