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## OFFICE OF ZILLA PARISHAD, KHORDHA

**Tender for supply, installation & commissioning of Solar based semi integrated Street Lights along with Comprehensive Maintenance for five (5) Years in Khordha districts of Odisha on a rate contract basis Out of MPLADs fund of Smt Aparajita Sarangi Honble MP Lokasabha.**



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## OFFICE OF ZILLA PARISHAD, KHORDHA

Tender call notice No. 3504 Dt. 21.08.2023

**Invitation of tender for supply, installation and commissioning of 24 watt LED semi integrated Solar Street Lights along with Comprehensive Maintenance for five (5) Years at different rural and urban areas of Khordha district of Odisha out of MPLADs fund of Smt Aparajita Sarangi Honble MP Lok Sabha.**

Sealed tenders are invited from Registered /licensed firms, manufacturers, authorized dealers/ electrical contractors **for supply, installation and commissioning of 24 watt LED semi integrated Solar Street Lights along with Comprehensive Maintenance for five (5) Years under MPLADs fund of Smt Aparajita Sarangi Honble MP Lok Sabha** on turnkey basis at different rural and urban areas of Khordha districts.

1. Bid documents consisting of specification schedule of quantities and set of terms and conditions of contract and other necessary documents can be obtained from the office of the CDO-CUM-EO ZILLA PARISHAD Khordha in person on application on payment of cost of tender documents in shape of Demand draft drawn on any Nationalized /Scheduled Commercial Bank Bank in favour of “**CDO-cum-EO ZILLA PARISHAD Khordha**” payable at **Khordha** or from the official website <https://khordha.nic.in>
2. The sale of the BID documents shall start from Dt. **22/08/2023** and ended on **21/09/2023** by **5.00 PM** during office hours and the sealed tender documents should reach the office of the CDO-CUM-EO ZILLA PARISHAD Khordha on or before dated **21/09/2023** by **5.00 PM** positively by Regd. Post/Speed post/Drop-Box.
3. Tenders will be opened on dated **22/09/2023** at **11.00 AM** in the office of the CDO-CUM-EO ZILLA PARISHAD Khordha in presence of bidders or their authorized representative.
4. The undersigned reserved the right to reject any or all the tenders without assigning any reason thereof.
5. Details of tender and terms and condition are available in the official website <https://khordha.nic.in>

**CDO-cum-EO  
ZILLA PARISHAD KHORDHA**

## Scope of work – Project

Package	Type Light System	Quantity	Proposed amount	EMD (INR)	Cost of Bid (INR)
Package 1	<b>24 watt LED</b> semi integrated Solar Street Lights with 36 AH LiFePO4 BATTERY, 100Wp solar panel, Auto diming after 4 hours with dusk to dawn controller and GI Pole of 3” dia , 6 mtrs height 3 mm thickness and five year free maintenance .The plinth base as reflected in the drawing attached to resist cyclone ( map drawing enclosed)	No of lights within the specified amount of <b>Rs 200.00</b> lakh	200.00 lakh INR  (Two crore)	1.00 Lakh INR  (one lakh)	10,500 + GST

### Solar based Street Light

The Technical Specification of a 24 W white-led (w-led) based solar street lighting system with lithium ferro phosphate battery is given below:

- a) A standalone solar photovoltaic street lighting system (SLS) is an outdoor lighting unit used for illuminating a street or an open area. The SLS consists of a solar photovoltaic (SPV) module, a luminaries, storage battery, control electronics, inter-connecting wires/cables, module mounting pole including hardware and battery box. The luminary is based on White Light Emitting Diode (W-LED), a solid-state device that emits light when an electric current passes through it. The luminary is mounted on the pole at a suitable angle to maximize illumination on the ground. The PV module is placed at the top of the pole at an angle facing south so that it receives solar radiation throughout the day, without any shadow falling on it. A battery is placed inside the luminary housing.
- b) Electricity generated by the PV module charges the battery during the daytime which powers the luminaries from dusk to dawn. The system lights at dusk and switches off at dawn automatically.

(Dusk to Dawn, Full Light Level)

### **BROAD PERFORMANCE SPECIFICATIONS**

PV Module	100 Watt under STC
Battery	Lithium Ferro Phosphate (Li Fe PO4), 12.8V-36 AH or 461 Wh
Light Source	White Light Emitting Diode (W-LED)
	24 Watt (Max.), W-LED luminaire, dispersed beam, soothing to eyes with the use of proper optics and diffuser
Light Output	<ul style="list-style-type: none"> <li>• Minimum 30 Lux when measured at the periphery of 4 meter diameter from a height of 6 meter. The</li> </ul>

	illumination should be uniform without dark bands or abrupt variations and soothing to the eye. Higher light output will be preferred. <ul style="list-style-type: none"> <li>• Minimum 15 Lux at lower illumination level (higher output is preferred)</li> </ul>
Mounting of light	Minimum 6 meter pole of 3” dia,3mm thickness in ground mounted
Electronics Efficiency	Minimum 85% total
Duty Cycle	4 hours full light, rest of the time at a lower light level, with motion sensor. In case any movement is there, it senses it to glow to the full level. Then it comes back to a lower level after sometimes, automatically
Autonomy	2 Days or Minimum 26 operating hours per permissible discharge

### **PV Module**

- a) Indigenously manufactured PV module should be used.
- b) The PV module should have crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from a MNRE/ NABL / BIS or IECQ accredited Laboratory.
- c) The power output of the module(s) under STC should be a minimum of 100Wp at a load voltage\* of  $16.4 \pm 0.2$  V.
- d) The open-circuit voltage\* of the PV modules under STC should be at least 21.0 Volts.
- e) The module efficiency should not be less than 12 %.
- f) The terminal box on the module should have a provision for opening it for replacing the cable if required.
- g) There should be a Name Plate fixed inside the module which will give:
  - i. Name of the Manufacturer or Distinctive Logo.
  - ii. Model Number
  - iii. Serial Number
  - iv. Year of manufacture
- h) A distinctive serial number will be engraved on the frame of the module or screen printed on the tedlar sheet of the module.

\*The load voltage and Voc conditions of the PV modules are not applicable for the system having MPPT based charge controller

### **BATTERY**

- a) Lithium Ferro Phosphate (Li Fe PO<sub>4</sub>) type battery.
- a) The battery will have a minimum rating of 12.8V/ 36 Ah or 461 Wh at the C/10 discharge rate.
- b) 90% of the rated capacity of the battery should be between fully charged and load cut off conditions.
- c) Battery pack should have a proper ‘Battery Management System’ (BMS) for cell balancing, overcharge and over-temperature protection.
- d) Battery should conform to the BIS/ International standards IS 16046v(Part-2):2018/ IEC 62133- 2:2018 and IS 16047(Part-3):2018/IEC 61960-3:2017

<b>Description</b>	<b>Specification</b>
Battery Nominal Ah Rating	36Ah
Nominal Voltage	12.8 V
Cell Capacity	3.2Volt 5Ah/6Ah/10Ah and above
Battery type	Lithium Ferro Phosphate (Li Fe PO4)
Battery Voltage Range	10V to 14.6±0.2Volt
Working Temperature Range	0°C ~ 60°C; humidity < 95%
Storage temperature range	0°C ~ 45°C
Self-Discharge (per Month)	<2%
Protections	
High Voltage Cut off	14.6V + 0.2V
Deep Discharge Cut-off	10V +0.2V
Short Circuit Protection	Should be provided.
Ingress Protection (IP)	IP-21 for the battery box
Certifications	As per BIS standard

### **LIGHT SOURCE**

- a) The light source will be a white LED type.
- b) The colour temperature of the white LED used in the system should be in the range of 5500°K–6500°K.
- c) W-LEDs should not emit ultraviolet light.
- d) The light source must be operated dusk to dawn. First 4 hours at full brightness, rest of the time at lower light level with motion sensor.
- e) The lamps should be housed in an assembly suitable for outdoor use.
- f) The temperature of the heat sink should not increase more than 20°C above ambient temperature during the dusk to dawn operation.
- g) Lumen efficiency of LED minimum 110/lumen/ watt

<b>Description</b>	<b>Specification</b>
System Wattage	24W
Operating nominal Voltage	12.8 VDC
Input Voltage range	10.8V-14.4 VDC
LED type	High Power LED
LED efficacy	110 Lm/Watt(minimum)
LED MAKE	CREEE / Philips/Osram/Seoul/Nichia or equivalent
Colour Index (CRI)	CRI >60

<b>Description</b>	<b>Specification</b>
Viewing Angle	120°
Driver type	DC-DC - Compatible for Solar Panel power
Driver efficiency	>85%
Luminaries housing	Aluminum
Ingress Protection	IP 65
Motion sensor Range	3 meters
Certifications	LM-80 for LED Confirmation to BIS or equivalent standards

## **ELECTRONICS**

- a) The total electronic efficiency should be at least 85%.
- b) Electronics should operate at an appropriate voltage suitable for proper charging of the battery.
- c) No Load current consumption should be less than 20 mA.
- d) The PV module itself should be used to sense the ambient light level for switching ON and OFF the lamp.
- e) The PCB containing the electronics should be capable of solder-free installation and replacement.
- f) Necessary lengths of wires/cables switch suitable for DC use and fuses should be provided.

<b>Description</b>	<b>Specification</b>
Nominal Battery Voltage	12.80V -Optimized for Lithium battery chemistry
Charge Controller Type	Maximum Power Point Tracking (MPPT)
Solar Charging Rating	12V 5A
Load Controller	Automatic Dusk to dawn with Dimmer and Motion sensor-based lighting control
Self-Consumption	<20mA
Efficiency	>85%
Indications	<ul style="list-style-type: none"> <li>• Green --&gt; Charging under process</li> <li>• Red --&gt; Battery Low / Fault</li> </ul>
Operating Temperature	0 to 60 Deg C (No de-rating of the unit) and 95% RH
Protections	<ul style="list-style-type: none"> <li>• Over Charging / Deep Discharge</li> <li>• Overload - Auto shutdown and restart</li> <li>• Solar and Battery Reverse</li> <li>• Reverse Current Protection from Battery at Night</li> </ul>

## **ELECTRONIC PROTECTIONS**

- a) Adequate protection is to be incorporated under “No Load” conditions e.g. when the lamp is removed and the system is switched ON.
- b) The system should have protection against battery overcharge and deep discharge conditions.
- c) Fuse should be provided to protect against short circuit conditions.
- d) Protection for the reverse flow of current through the PV module(s) should be provided.
- e) Adequate protection should be provided against battery reverse polarity.
- f) Load reconnect should be provided at 80% of the battery capacity status.

## **MECHANICAL COMPONENTS**

- a) A corrosion-resistant metallic frame structure should be fixed on the pole to hold the SPV module.
- b) The frame structure should have provision to adjust its angle of inclination to the horizontal so that it can be installed at the specified tilt angle.
- c) Pole should be Hot dip galvanized pipe as per IS1161 & IS4736 i.e. Class B
- d) The height of the pole should be 5 meters above the ground level after grouting and final installation. Pole should be minimum 3” dia with 3 mm thickness.
- e) The pole should have the provision to hold the luminaire.
- f) The battery shall be either included in the luminaires enclosure, which should be waterproof (IP 65) and corrosion-resistant or outside the luminaires enclosure and housed in the battery box. The box must have the antitheft arrangement to fix with the pole and the battery box should be corrosion resistant and metallic box (IP 65) for outdoor use. The battery box should have an industrial locking arrangement.

## **INDICATORS**

- a) The system should have two indicators, green and red.
- b) The green indicator should indicate the charging under progress and should glow only when the charging is taking place.
- c) It should stop glowing when the battery is fully charged.
- d) Red indicator should indicate the battery “Load Cut Off” condition.

## **QUALITY AND WARRANTY**

- a) The Warranty Card to be supplied with the system must contain the details of the system.

## **COMPREHENSIVE MAINTENANCE MANUAL**

An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the SLS. The following minimum details must be provided in the Manual:

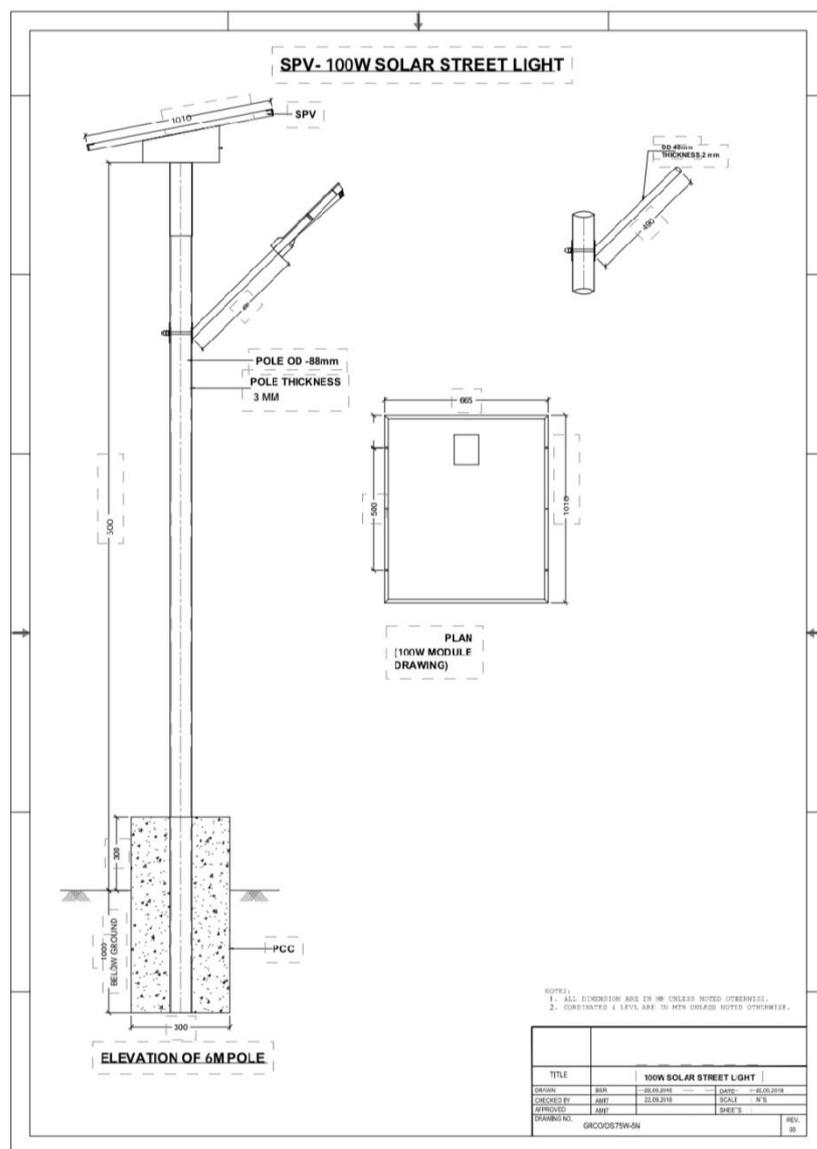
- a) Basic principles of Photovoltaic.
- b) A small write-up (with a block diagram) on SLS - its components, PV module, battery, electronics and luminaire and expected performance.
- c) Type, Model number, Voltage & capacity of the battery, used in the system.

- d) The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of W-LEDs used in the lighting system.
- e) About Charging and Significance of indicators.
- f) Clear instructions about the erection of pole and mounting of PV module (s) and lamp housing assembly on the pole.
- g) Clear instructions on regular maintenance and troubleshooting of the SLS.
- h) DO's and DONT's.
- i) Name and address of the contact person for repair and maintenance, in case of non-functionality of the SLS.

**(Designs and Drawings)**

Design and drawing for street light

The indicative drawing of base foundation of street light is given below:



### **(Scheduled Maintenance):**

The periodic Scheduled Maintenance protocol for the Project is given below:

<b>Sr. No.</b>	<b>Task</b>	<b>Quarterly</b>	<b>Semi-annual</b>	<b>Annual</b>	<b>Bi-annual</b>
<b>1</b>	<b>PV Array</b>				
A	Inspect each PV modules for damage				
B	Observe PV array shading and take corrective measures				
C	Clean array with water and removes debris around the array				
D	Inspect array mounting structure, check for loose fasteners, corrosion, broken/ damaged concrete footings, etc. and take corrective measures, if necessary.				
E	Check the array box, all wires and cables to take corrective measures if necessary.				
F	Adjust tilt angle, if necessary				
G	Check array current & voltage. If required each module current, voltage & bypass diode condition.				
H	Check for any loose contacts in the string connection (+ve/-veMC4 connectors)				
<b>2</b>	<b>Protection devices</b>				
A	Check for continuity of lightning arrestor (if any)				
B	Check system earthing				
<b>3</b>	<b>Battery</b>				
A	Check Battery capacity and backup time				
<b>4</b>	<b>LED Light</b>				
A	Clean Streetlights, remove, dust and debris				
B	Check for loose fasteners, wires and cables, corrosion, broken/ damaged concrete footings, etc. and take corrective measures, if necessary.				
C	Check for any loose contacts in the connections				

1. Bid documents consisting of specification schedule of quantities and set of terms and conditions of contract and other necessary documents can be obtained from the office of the CDO-CUM-EO ZILLA PARISHAD Khordha in person on application on payment of cost of tender documents in shape of Demand draft drawn on any Nationalized /Scheduled Commercial Bank Bank in favour of **CDO-cum-EO ZILLA PARISHAD Khordha** payable at **Khordha** or from the official website <http://khordha.nic.in/> .
2. The sale of the BID documents shall start from Dt. **22/08/2023** and ended on **21/09/2023** by **5.00 PM** during office hours and the sealed tender documents should reach the office of the CDO-CUM-EO ZILLA PARISHAD Khordha on or before dated **21/09/2023** by **5.00 PM** positively by Regd. Post/Speed post/Drop-Box.
3. Tenders will be opened on dated **22/09/2023** at **11.00 AM** in the office of the CDO-CUM-EO ZILLA PARISHAD Khordha in presence of bidders or their authorized representative.
4. The undersigned reserved the right to reject any or all the tenders without assigning any reason thereof.
5. Details of tender and terms and condition are available in the official website = <http://khordha.nic.in.>

## **1. ELIGIBILITY OF THE CONTRACTOR/ FIRM**

The Bid of only those Contractors/Firms will be considered, which satisfy the following eligibility Criteria. The Contractors/Firms should:

- Having valid Experience in commissioning lighting system for a cumulative capacity as mentioned under the “Min. experience requirement in “**Solar streetlight of 300 nos** “ in the last three( 3) years from the last date of submission of the Technical Bid
- Last three years average annual turnover of the Contractor/Firm should not be less than Rs. 1.00 (one) crore for the last 03 preceding Financial Year.
- Attested copies of the work orders and satisfactory completion of such works should be submitted along with bid documents.
- Registered with Employees Provident form Organization (EPFO), Employees State Insurance Corporation of India.
- Income Tax Permanent Account Number (PAN) with up to date filing of return in income tax Department.
- Valid GST Registration.
- Have not been blacklisted by any Govt. or any other organization. **Authorized signatory of the Contractor/Firm to submit an undertaking to this effect.**
- The Bidder will submit the relevant documents along with EMD in shape of FD/TDR from any Nationalized/Scheduled Commercial Bank duly pledged in favour of “Collector Khordha”. The EMD of unsuccessful bidder will be refunded.

## **Documents comprising the Technical Bid**

<b>Bid form</b>	<b>Support document</b>
Bid Form 1 (Cost of Bid)	Copy of the “ <b>Demand Draft</b> ” for an amount and other details issued by a nationalized/ commercial bank in India towards “ <b>Cost</b>

Bid form	Support document
	<p><b>of Bid</b>” issued in favour of CDO-cum-EO, ZILLA PARISHAD KHORDHA payable at Bhubaneswar, Odisha.</p> <p>This shall be a non-refundable fee.</p> <p>This shall be payable by all the Bidders, subject to any exemption as provided. In case of an exempt as admissible, the copy of the proof of exemption issued by an appropriate government authority (as applicable) shall be submitted.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 1 (Annexure)</b>.</p>
Bid Form 2 (EMD)	<p>Copy of the “<b>Demand Draft</b>” for an amount and other details issued by a nationalized/ commercial bank in India towards “<b>Cost of EMD</b>” issued in favour of CDO-cum-EO, ZILLA PARISHAD KHORDHA payable at Bhubaneswar, Odisha.</p> <p>This shall be a refundable fee to unsuccessful bidders.</p> <p>This shall be payable by all the Bidders This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 2 (Annexure)</b>.</p>
Bid Form 3 (Bid Security)	<p>Copy of the “<b>Demand Draft</b> “or “<b>Fixed Deposit Receipt</b>” or “<b>Bank Guarantee</b>” for an amount <b>Ten percent (10%)</b> of the work value and other details issued by a nationalized/ commercial bank in India towards “<b>Bid Security</b>”.</p> <p>In case of a Demand Draft, it shall be issued in favour of CDO-cum-EO, ZILLA PARISHAD KHORDHA payable at Bhubaneswar, Odisha.</p> <p>In case of a Fixed Deposit Receipt, it shall be pledged in favour of CDO-cum-EO, ZILLA PARISHAD KHORDHA payable at Bhubaneswar, Odisha and unconditionally discharged on demand. The Bidders must note that in case of absence of the endorsement that “This Fixed Deposit Receipt shall be unconditionally discharged in favour of CDO-cum-EO, ZILLA PARISHAD KHORDHA payable at Khordha, Odisha on demand” on the back of the Fixed Deposit Receipt, such Bid Security shall be liable for rejection.</p> <p>In case of a Bank Guarantee, it shall be issued in favour of CDO-cum-EO, ZILLA PARISHAD KHORDHA payable at Khordha, Odisha with an expiry date and claim date not less than Six years from the issue of work order <b>This shall be payable by the Bidder to whom the work will be awarded</b> .This shall be a refundable fee, This is a mandatory submission for award of work and shall be submitted as per the requirements given in <b>Bid Form 3 (Annexure)</b>.</p>
Bid Form 4 (Power of Attorney)	<p>Copy of the “<b>Power of Attorney</b>” issued in the name of the Authorized Signatory of the Bidder supported by the required Board Resolution for submitting the Bid on behalf of the Bidder.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 4 (Annexure)</b>.</p>
Bid Form 5 (Covering Letter of Technical Bid)	<p>Copy of the “<b>Covering Letter of Technical Bid</b>” duly signed by the Authorized Signatory and stamped by the Bidder to unconditionally accept all terms of the Bidding Document along with an undertaking of select clauses of the Bidding Document.</p>

Bid form	Support document
	This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 5 (Annexure)</b> .
Bid Form 6 (Technical Qualification)	Copy of the “ <b>Technical Qualification</b> ” certificate duly signed by the Authorized Signatory and stamped by the Bidder citing the Bidder’s technical qualification pursuant to the requirements mentioned under Section 4 (QR). This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 6(Annexure)</b> .
Bid Form 7 (Financial Qualification)	Copy of the “ <b>Financial Qualification</b> ” certificate duly signed and stamped by a chartered accountant citing the Bidder’s financial qualification pursuant to the requirements This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 7 (Annexure)</b> .
Bid Form 8 (Test Certificates)	Copy of the declaration of the “ <b>Test Certificates</b> ” for the Equipment as issued in the name of the OEM from any valid MNRE/ NABL/ BIS accredited test labs as given in as mentioned This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 8 (Annexure)</b> .
Bid Form 9 (Self-certificate)	Copy of the declaration of the“ <b>Self-certificate</b> ”duly signed by the Authorized Signatory and stamped by the Bidder to declare that it has not been debarred/ blacklisted/ defaulted by any Government, agency, Public Sector Undertaking (PSU), institution/ autonomous organizations in the past. In case of any such events, the Bidder shall provide the case details and its current status in the format therein. This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 9 (Annexure)</b> .
Bid Form 10 (Undertaking for Indigenousness)	Copy of the “ <b>Undertaking for Indigenousness</b> ” certificate duly signed by the Authorized Signatory and stamped by the Bidder to showcase the use of indigenously manufactured solar photovoltaic modules to be supplied during the execution of the Work Order. This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 10 (Annexure)</b> .
(PAN)	Copy of the <b>PAN</b> card of the Bidder.
GST Certificate)	Copy of the “ <b>GST Certificate</b> ” of the Bidder.
(Income Tax Return)	Copy of the last three (3) assessment year’s “ <b>Income Tax Return</b> ” filing document.
Bid Form 11 (Quality Assurance)	Copy of the declaration of “ <b>Quality Assurance</b> ” of the Bidder. This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 11 (Annexure)</b> .
Bid Form 12 (Summary of the Bidder)	Copy of the “ <b>Summary of the Technical Bid</b> ” in Microsoft .xls or .xlsx format as per the checklist given therein. This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 12 of (Annexure)</b> .
Bid Form 13 (Covering Letter of Price Bid)	Copy of the “ <b>Covering Letter of Price Bid</b> ” duly signed by the Authorized Signatory and stamped by the Bidder to unconditionally accept all terms of the Bidding Document. This is a mandatory submission and shall be submitted as per the requirements given in <b>Bid Form 13 (Annexure)</b> .

Bid form	Support document
Bid Form 14 (Price Bid)	Copy of the “ <b>Price Bid</b> ” duly signed by the Authorized Signatory and stamped by the Bidder mentioning the Total Price for the Bid. This is a mandatory submission and shall be submitted in Microsoft xls. or .xlsx format only as per the requirements given in <b>Bid Form 14 of (Annexure)</b> .

### 3. Tender:

- a. Documents for submission of the tender will be purchased from the ZILLA PARISHAD, Khordha office or from website on any working day from **10.00 AM to 5.00 PM in between Dt. 22/08/2023 and 21/09/2023** by 5.00 PM on payment of Demand Draft of the required worth in favour of “**CDO-cum-EO ZILLA PARISHAD Khordha**” Khordha towards cost of tender paper.
- b. The Tender Paper can be downloaded from the district website i.e. [www.khordha.nic.in](http://www.khordha.nic.in) to participate in the tender along with a Demand Draft of the required worth in favour of “**CDO-cum-EO ZILLA PARISHAD Khordha**” Khordha towards cost of tender paper (non-refundable).
- c. The last date for submission of Tender Paper is **21/09/2023 upto 5.00 pm**
- d. Opening of Tender paper **22/09/2023 at 11.00 AM in ZILLA PARISHAD Conference hall.**
- e. **Cost of EMD:** EMD in shape of FD/TDR from any Nationalized/Scheduled Commercial Bank duly pledged in favour of “CDO-cum-EO ZILLA PARISHAD Khordha”.

### 4. Payment:

The payment shall be made in the following manner:

Milestone	Payment term	Support documents
On achievement of Commissioning of the Project	Total Price along with applicable tax at the time of invoicing, as specified in the Works Order.	The payment shall be made upon due verification by OREDA on the following documents: <ul style="list-style-type: none"> <li>› Joint Commissioning Certificate (JCC)</li> <li>› Warranty certificates</li> <li>› GPS based photograph</li> <li>› CMC Manual</li> <li>› Photographs of all installations in a specified manner</li> <li>› Commissioning Report</li> <li>› Performance report from Honble MP</li> </ul>
On Successful completion of one year of on achievement of Acceptance of the Project	1 <sup>st</sup> year AMC cost (2%) of the Total Price along with applicable tax at the time of invoicing, as specified in the Works Order	<ul style="list-style-type: none"> <li>› Acceptance Certificate</li> <li>› Acceptance Report</li> </ul>
On Successful completion of 2nd year of on achievement of Acceptance of the Project	2 <sup>nd</sup> year AMC cost (2%) of the Total Price along with applicable tax at the time of invoicing, as specified in the Works Order	<ul style="list-style-type: none"> <li>› Acceptance Certificate</li> <li>› Acceptance Report</li> </ul>
On Successful	3 <sup>rd</sup> year AMC cost	› Acceptance Certificate

<b>Milestone</b>	<b>Payment term</b>	<b>Support documents</b>
completion of third year of on achievement of Acceptance of the Project	(2%) of the Total Price along with applicable tax at the time of invoicing, as specified in the Works Order	> Acceptance Report
On Successful completion of fourth year of on achievement of Acceptance of the Project	4 <sup>th</sup> year AMC cost (2%) of the Total Price along with applicable tax at the time of invoicing, as specified in the Works Order	> Acceptance Certificate > Acceptance Report
On Successful completion of fifth year of on achievement of Acceptance of the Project	5 <sup>th</sup> year AMC cost (2%) of the Total Price along with applicable tax at the time of invoicing, as specified in the Works Order	> Acceptance Certificate > Acceptance Report

## 5. **General Provisions:**

- a. The Project shall be completed within 6 months from the date of order.
- b. Five years free maintenance guarantee will be provided by the supplier firm in the form of affidavit which will ensure overall maintenance of the solar lighting system for five years. The supplier shall undertake the periodic cleanings of solar panels on quarterly basis and ensure proper functioning of street light.
- c. In case the supplier fails to repair or replace the faulty systems within the time specified in the tender, implementing agency will have the right to black list the supplier for future project /works.
- d. The performance of the street light would be evaluated by the Honble MP after installation and the supplier will submit completion certificate block wise with due counter signature of Honble MP..
- e. Sealed tender should be sent to the office of the ZILLA PARISHAD Khordha through Regd. Post/Speed post/Drop-Box provided at ZILLA PARISHAD, Khordha only. The envelope containing the tender papers should be super scribed with “**tender for supply, installation & commissioning of 24 watt solar based semi integrated Street Lights along with Comprehensive Maintenance for five (5) Years at different rural and urban areas of Khordha districts of Odisha**”.
- f. Tenders will be opened on dated **19/09/2023** at **11.00 AM** in the office of the ZILLA PARISHAD, Khordha in presence of bidders or their authorized representative. If the office happens to be closed on last date of receipt or opening of the tenders as specified. Tenders will be received / opened on the next working day at the same time and venue.
- g. Tenders received after due date and time will not be entertained under any circumstances. The authority will not be responsible for any postal delay.
- h. The sealed Tenders must be accompanied with attested up to date copies of Registration of firm, income Tax clearance certificate, PAN Card, GST Certificate, PF /ESIC Registration Certificate along with attested copies of up-to-date deposit challans towards EPF/ESIC dues. In absence of complete documents, the bid will be rejected. The tender would be under obligation to produce EPF and Labor License before the undersigned as and when required. The bidders registered in other State Govt. are required to produce non-assessment certificate obtained from Comm. Tax Authority of Govt. of Odisha at the time of submission of tender.

- i. The bidders are requested to quote the rates both in words and figure. They are to sign on any over writing or any correction made in the bid rates. In case of any discrepancy the rates in words will be taken- as final.
- j. A pre-bid meeting will be held in the office of the ZILLA PARISHAD Khordha on **05/09/2023** at **2.00PM** to give clarification to any doubts of the tendering bidders.
- k. The selected bidder should make an **Comprehensive Maintenance Contract** agreement with CDO-cum-EO ZILLA PARISHAD Khordha within 7 day after receipt of work order mentioned in **LOI 2 (Annexure)**.
- l. The undersigned reserves the right to reject any or all the tenders without assigning any reason thereof.

6. **GUDELINES FOR SUBMITTING THE TENDER:**

The Firms/contractors are required to submit the tender as per the guidelines and formats detailed outlined in the following paras:

- a. The original and all copies of the Technical bid shall be placed in a sealed envelope clearly marked “**TECHNICAL BID**”. Similarly, the original Financial bid shall be placed in a separate sealed envelope clearly marked “**FINANCIAL BID**” The envelopes containing the Technical and Financial bids shall be placed into an outer envelope and sealed. This outer envelope shall bear the submission address, reference number and title of the Assignment, and be clearly marked “**Tender for supply, installation& commissioning of 24 watt solar based semi integrated Street Lights along with Comprehensive Maintenance for five (5) Years at different rural and urban areas of Khordha districts of Odisha on a rate contract basis out of MPLADs fund of Smt Aparajita Sarangi Honble MP Loksabha.**” ZILLA PARISHAD Khordha will not be responsible for misplacement, loss or premature opening if the outer envelope is not sealed and/or marked as stipulated. This circumstance may provide a case for Proposal’s/ Bid’s rejection. If the Financial bid is not submitted in a separate sealed envelope duly marked as indicated above, this shall constitute grounds for declaring the Proposal non-responsive/ invalid.
- b. All bidders must comply with the Technical Specification, General Conditions and Format/Requirements for Technical and Financial bid.
- c. Each page, Form, Annexure and Appendices of the Technical and Financial bid must be signed by the Authorized signatory of the firm.
- e. All blank spaces in the financial bid must be filled in completely where indicated, either typed or written in blue/black ink.
- f. The bidding firm also have to submit an **EMD** to be pledged in shape of **FD/TDR** from any nationalized/scheduled Commercial bank pledged in favour of “**CDO-cum-EO ZILLA PARISHAD Khordha**”. The same will be returned to unsuccessful bidders and in case of successful bidder only after successful completion of assigned work.
- g. The tender duly filled be submitted through **Registered Post/Speed Post/Drop Box provided in ZILLA PARISHAD office** to ZILLA PARISHAD, Khordha. Any tender received after due date will be out rightly rejected. ZILLA PARISHAD Khordha will not be responsible for any postal delay or misplacement of the document.
- h. CDO-cum-EO ZILLA PARISHAD Khordha reserves the right to accept or reject any or all the application without giving any explanation and can change the evaluation criteria as per its requirements in the interest of the organisation.

**CDO-cum-EO  
ZILLA PARISHAD KHORDHA**

# *Annexure*

## **Bid Forms – Technical Bid**

### **Bid Form 1 (Cost of Bid)**

#### **Cost of Bid**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, the undersigned, attaching the copy of the Cost of Bid submitted in the form of Demand Draft.

The Demand Draft no. is [insert], dated [DD MMM YYYY].

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

# *Annexure*

## **Bid Forms – Technical Bid**

### **Bid Form 2 (Cost of EMD)**

#### **EMD**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, the undersigned, attaching the copy of the Cost of EMD submitted in the form of Demand Draft.

The Demand Draft no. is [insert], dated [DD MMM YYYY].

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

**Bid Form 3 (Bid Security)**

**Bid Security**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, the undersigned, attaching the copy of the Bid Security submitted in the form of [Demand Draft/  
Fixed Deposit Receipt/ Bank Guarantee].

The Demand Draft no. is [insert], dated [DD MMM YYYY] (in case of a demand draft), or

The Fixed Deposit Receipt no. is [insert], dated [DD MMM YYYY]. (in case of an FDR)

The Bank Guarantee no. is [insert], dated [DD MMM YYYY]. (in case of a Bank Guarantee)

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

**Bid Form 4 (Power of Attorney)**

**Power of Attorney**

(To be submitted on a non-judicial stamp paper of appropriate value as per The Indian Stamp Act, 1899 relevant to the place of execution. The stamp paper shall be purchased in the name of the Bidder only.)

Signature and stamp of the notary of the place of execution [insert place] dated [DD MMM YYYY]

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

Know all men by these presents, We, [name of the executant(s)], do hereby constitute, appoint and authorize [name of the Authorized Signatory] as the Authorized Signatory presently residing at [residential address of Authorized Signatory] and having PAN [insert PAN no. of Authorized Signatory] who is presently employed with us and holding the designation of [designation of the Authorized Signatory] as our true and lawful representative, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Bid for the selection as an Engineering, Procurement and Construction (EPC) Successful Bidder for, supply, installation, & commissioning and acceptance of solar based semi integrated Street Lights along with Comprehensive Maintenance for five (5) Years at various districts of Odisha on with reference to the tender no. [insert tender call notice no.] dated [DD MMM YYYY] issued by District Rural Development Agency (“ZILLA PARISHAD”).

The Authorized Signatory shall represent us and shall be responsible for the signing of the Bid, submission of the Bid and executing all other documents related to this Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which ZILLA PARISHAD may require us to submit. The Authorized Signatory is further authorized to make representations to ZILLA PARISHAD and provide information/ responses to ZILLA PARISHAD, representing us in all matters before ZILLA PARISHAD, and generally dealing with ZILLA PARISHAD in all matters in connection with our Bid and during the performance of the Work Order.

We hereby agree to ratify all acts, deeds and things are done by our said Authorized Signatory pursuant to this Power of Attorney and that all acts, deeds and things are done by our aforesaid Authorized Signatory shall be binding on us and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the Bidding Document.

Signature of the executants

Name:

Designation:

Address:

Company:

Accepted by

Signature of the Authorized Signatory

Name:

Designation:

**Bid Form 5 (Covering Letter of Technical Bid)**

**Covering Letter of Technical Bid**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

Sub: Submission of Technical Bid for supply & installation of solar based Street Lights along with Comprehensive Maintenance for five (5) Years at various places of khordha districts of Odisha.

Dear [Sir/ Madam],

Having examined the Bidding Document carefully, We, the undersigned, offer to submit herewith the Technical Bid as per the subject line and tender call notice no. mentioned above.

We hereby undertake the following:

1. We have read all the provision of the Bidding Document and confirm that notwithstanding anything stated elsewhere in our Technical Bid to the contrary, the provisions of the Bidding Document are acceptable to us and we further confirm that we have not taken any deviation to the provision of the tender anywhere in our Bid. Acceptance of the above attribute shall be considered as our confirmation that any deviation, variation or additional condition, etc. or any mention, contrary to the provisions of Bidding Document found anywhere in our Technical Bid implicit or explicit shall stand unconditionally withdrawn, without any cost implication whatsoever to ZILLA PARISHAD KHORDHA.
2. We further declare that any additional conditions, variations, deviations, if any, in our Bid shall not be given effect to. We further understand that any deficiency or illegibility in our Technical Bid shall result in rejection of our Technical Bid.
3. We hereby declare that all the information and statements made in this proposal are complete, true and correct and also accept that any misinterpretation contained in it may lead to our disqualification and rejection of our Technical Bid. In case of any false documents submitted and found any time in the future, we shall be liable to be proceeded as per Applicable Law.
4. We confirm that we have submitted the Technical Bid as per the instructions given in the Bidding Document.
5. We hereby declare and confirm that only we are submitting our Bid and that our parent, affiliate, the ultimate parent or any group companies with which we have direct or indirect relationships are not separately submitting their Bid.
6. We hereby declare that our application has been submitted in good faith and the information contained is true and correct to the best of our knowledge and belief.
7. We confirm that the Technical Bid submitted are subject to the verification solely by appropriate authorities of ZILLA PARISHAD KHORDHA as per all the terms of the Bidding Document and agree that the decision taken by ZILLA PARISHAD KHORDHA shall be final and binding on us.
8. We declare that our Technical Bid is fully compliant to the qualification requirement mentioned under Section 4 (QR) and we have not misrepresented any information provided in our Bid.

9. We confirm that any genuine changes made by ZILLA PARISHAD KHORDHA in the interest of the Project with respect to the Technical Specifications, Designs and Drawings during the course of performance of the Work Order shall be fully acceptable to us without any cost implication whatsoever to ZILLA PARISHAD KHORDHA.
10. We confirm that we will comply with all the Applicable Laws and Prudent Utility Practices all the time during the performance of the Work Order.
11. We confirm that we have submitted the Technical Bid as per the forms given in Bid Form (Technical Bid) and/ or the instructions given in the tender failure to which our Technical Bid shall be considered as non-responsive and shall be liable for rejection.
12. We agree that We have not submitted any conditional or alternative Technical Bid and in case of any deviation, then our Technical Bid shall be considered as non-responsive and shall be liable for rejection.
13. We confirm that we do not have any conflict of interest in accordance with the provisions of the tender.
14. We confirm that in case we are directly or indirectly through an agent engaged in Corrupt Practice, Fraudulent Practice, Coercive Practice, Collusive Practice, Obstructive Practice or Integrity Violation, then our Technical Bid shall be considered as non-responsive and shall be liable for rejection.
15. We confirm that ZILLA PARISHAD KHORDHA reserves all the right to accept or reject any Technical Bid without assigning any reasons thereof and shall not be held liable for any such action and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
16. We confirm that in case our Bid is accepted, we undertake to provide Contract Performance Securities as specified in the tender , else our Bid Security shall be forfeited.
17. We agree that this Technical Bid shall remain valid for a period of One Hundred and Eighty (180) Days from the original last date of online Bid submission and such further period as may be mutually agreed upon.
18. The Bidding Document has been discussed in the Board meeting and a Board Resolution (BR) no. [insert BR no.] dated [DD MMM YYYY] has been concurred for submission of our Bid and is enclosed as a part of Bid Form 4 (Power of Attorney).
19. We undertake that ZILLA PARISHAD KHORDHA shall, without prejudice to any other right or remedy, be at liberty to forfeit the Bid Security deposited by us in case of any default as per the Bidding Document.
20. In case we fail to achieve the milestones of Commissioning and Acceptance of the Project as per the Project Timelines, ZILLA PARISHAD KHORDHA shall, without prejudice to any other right or remedy, be at liberty to forfeit the Performance Security.
21. We confirm that we shall establish a central office at Bhubaneswar, Odisha so as to deliver uninterrupted and sustainable Comprehensive Maintenance during the CMC Period.
22. We understand that you are not bound to accept any Technical Bid you may receive.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

**Bid Form 6 (Technical Qualification)****Technical Qualification**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We confirm that we meet the Qualification Requirement mentioned and we have the experience of commissioning solar based Street Lights for accumulative quantity as mentioned under the “Our experience in Nos.” under all the Packages in the last five (5) years from the last date of submission of the Technical Bid in.

<b>Our experience in Nos.</b>	<b>Reference project no.</b>

The details pertaining to the reference projects for Package [insert package no. from 1 to 2]\*are given below:

<b>Sr. No.</b>	<b>Item Description</b>	<b>Reference project [insert]**</b>
1.	Nos. of solar Street Lights supplied and installed under the Project	[Quantity of solar Street Lights as per joint commissioning certificate/experience certificate] Nos.
2.	Title of the project with a brief of scope	[insert]
3.	Actual project cost	[insert] Lakh INR
4.	Name of the client with the full address including the contact no. and email id of the client	Name of the client:[insert] Address:[insert] Contact no.:[insert] Email id: [insert]
5.	Name of the ultimate user of the project	[insert]
6.	Location of the project	Address of the project:[insert]
7.	I have attached the relevant letter of awards/ work orders/ contract agreement along with any amendments issued in full without deleting/ hiding any information	[Yes/ No]
8.	Details of the letter of awards/ work orders/ contract	Work order no.:[insert] Date of work order: [DD MMM YYYY] Whether any liquidated damages been charged by the client? [Yes/ No]. In case of yes, please provide the details.

\*\* in case of multiple reference projects, please keep on adding separate columns.

The scan copies of the letter of awards/ work orders/ contract experience certificates are enclosed below:

[Please attached the proof of documents]

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder’s legal entity name]

Seal: [insert seal of the Bidder]

## Bid Form 7 (Financial Qualification)

### Financial Qualification

(To be submitted on the letterhead of the chartered accountant)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

I, [insert name of the chartered accountant], confirm that the Bidder, [insert name of the Bidder], meets the Financial Qualification Requirement as mentioned in tender The compliance to the Financial Qualification Requirement is mentioned below, as per our detailed evaluation of the Bidder's latest certified true copy of the audited annual accounts and their work orders related to the solar business.

#### Average annual turnover

Particulars	Unit	FY19-20	FY20-21	Fy 21-22
Annual turnover from solar business only#	Lakh INR	[insert]	[insert]	[insert]
Average annual turnover from solar business only#	<b>Lakh INR</b>			[insert]

# other income is not considered

#### Net Worth

Particulars	Unit	FY21-22
Aggregate value of the paid-up share capital	Lakh INR	[insert]
Add: all reserves created out of the profits and securities premium account.	Lakh INR	[insert]
Subtract: Accumulated losses	Lakh INR	[insert]
Subtract: Deferred expenditure	Lakh INR	[insert]
Subtract: Miscellaneous expenditure not written off	Lakh INR	[insert]
<b>Net Worth*</b>	<b>Lakh INR</b>	<b>[insert]</b>

Note: It does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.

[For partnership firm and sole proprietorship firm, as per the methodology certified by the chartered accountant based on the Applicable Law in India.]

I hereby declare that all the information and statements made in this certificate are complete, true and correct and also accept that any misinterpretation contained in it may lead to cancellation of my CA membership, and I shall be liable to be proceeded as per the Applicable Law.

Place: [insert place]

[sign here]

Signature

Name of Chartered Accountant (CA): [insert name]

Designation: [insert designation]

Name of the firm of the CA: [insert Bidder's legal entity name]

CA membership no.: [insert CA membership no.]

Registration no. of the CA's firm:

Seal: [insert seal of the Bidder]

**Bid Form 8 (Test Certificates)**

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, the undersigned, declare that the “**Test Certificates**” for the Equipment will be issued to us from the valid MNRE/ NABL/ BIS authorized Test Labs, pursuant to the requirements as mentioned.

Sl. No.	Major Component	Test Certificates Required	Test description	Designated Test Labs
1	Crystalline Silicon Terrestrial PV Modules	IEC 61215	Design qualification	MNRE/NABL/BIS authorized Test Lab
		IEC 61730	Safety Qualification	MNRE/NABL/BIS authorized Test Lab
		IEC 61701	Salt Mist Corrosion Test	MNRE/NABL/BIS authorized Test Lab
2	Battery (Li Fe PO4)	IS 16046(Part-2):2018/ IEC 62133- 2:2018 and IS 16047(Part-3):2018/IEC 61960-3:2017	As perIS 16046(Part-2):2018/ IEC 62133- 2:2018 and IS 16047(Part-3):2018/IEC 61960-3:2017	MNRE/NABL/BIS authorized Test Lab
3	LED Lights & Luminaires	IS16101	General Lighting-LEDs and LED modules Terms and Definitions	MNRE/NABL/BIS authorized Test Lab
		IS16102	Self-Ballasted LED Lamps for General Lighting Services	MNRE/NABL/BIS authorized Test Lab
		IS16103	Led Modules for General Lighting	MNRE/NABL/BIS authorized Test Lab
		IS16107	Luminaries Performance	MNRE/NABL/BIS authorized Test Lab

**Note:** The proof of all documents showcasing the possession of such copies of the Test Certificates by the Bidder shall be submitted along with tender document..

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

**Bid Form 9 (Self-certificate)**

**Self-certificate**

(To be submitted on a non-judicial stamp paper of appropriate value as per The Indian Stamp Act,1899 relevant to the place of execution. The stamp paper shall be purchased in the name of the Bidder only.)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, the undersigned, confirm and certify that we have not been debarred/ blacklisted/ defaulted by any Government, agency, Public Sector Undertaking (PSU), institution/ autonomous organizations in the past. We have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing which is or could be regarded as anti-competitive.

I/we hereby declare the following in the context of the aforementioned tender that:

In case of any false documents submitted and found in the future, we shall be liable to be proceeded against as per the Applicable Law.

In case of any such events, we have provided the case details and their current status below. [strike-off this line, in case it is not applicable].

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

**Bid Form 10 (Undertaking for Indigenousness)**

**Undertaking for Indigenousness**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, [insert the Bidder name], hereby certify and confirm that the solar photovoltaic modules to be supplied under this Project shall be indigenous and not fully imported, as per the relevant guidelines of the Ministry of New and Renewable Energy (MNRE), Government of India.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

**Bid Form 11 (Quality Assurance)**

**Quality Assurance**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, the undersigned, declares that we have a copy of the ISO certificate for ISO 9001 and will submit the copy of the ISO 14001 certificates in the name of the Original Equipment Manufacturer (OEM), supported by a letter of authorization from the OEM

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Note: The documentary evidences shall be submitted as a part of response to the Letter of Intent and prior to issuance of the Work Order, and not at the time of bidding.

**Bid Form 12 (Summary of the Bidder)**

**Summary of the Bidder**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

We, the undersigned, attaching the summary of [insert name of the Bidder] in excel format.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

## **Bid Forms – Price Bid**

### **Bid Form 13(Covering Letter of Price Bid)**

#### **Covering Letter of Price Bid**

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

Tender call notice no.: [insert no.] dated [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

Sub: Submission of Price Bid for supply, installation & commissioning and acceptance of solar based Street Lights along with Comprehensive Maintenance for five (5) Years at various places of Khordha districts of Odisha.

Dear [Sir/ Madam],

Having examined the Bidding Document carefully, We, the undersigned, offer to submit herewith the Price Bid as per the subject line and tender no. mentioned above.

We agree that this Price Bid shall remain valid for a period of One Hundred and Eighty (180) Days from the original last date of Bid submission. The validity of bid price may be extended for further period as may be mutually agreed upon.

We have read all the provision of the Bidding Document and confirm that notwithstanding anything stated elsewhere in our Price Bid to the contrary, the provisions of the Bidding Document are acceptable to us and we further confirm that we have not taken any deviation to the provision of the tender anywhere in our Bid. Acceptance of the above attribute shall be considered as our confirmation that any deviation, variation or additional condition, etc. or any mention, contrary to the provisions of Bidding Document found anywhere in our Price Bid implicit or explicit shall stand unconditionally withdrawn, without any cost implication whatsoever to ZILLA PARISHAD KHORDHA.

We further declare that any additional conditions, variations, deviations, if any, in our Bid shall not be given effect to. We further understand that any deficiency or illegibility in our Price Bid shall result in rejection of our Price Bid.

We hereby declare that all the information and statements made in this proposal are complete, true and correct and also accept that any misinterpretation contained in it may lead to our disqualification and rejection of our Price Bid.

We hereby declare that our application has been submitted in good faith and the information contained is true and correct to the best of our knowledge and belief.

We agree with the following:

23. We confirm that the Price Bid submitted are subject to the verification solely by appropriate authorities of ZILLA PARISHAD KHORDHA as per all the terms of the Bidding Document and agree that the decision taken by ZILLA PARISHAD KHORDHA shall be final and binding on us.
24. We declare that our Price Bid is fully compliant as per the terms of the Bidding Document.
25. We confirm that we have submitted the Price Bid in Indian Rupees only and the Price Bid will be considered up to two places of decimal only.
26. We confirm that any genuine changes made by ZILLA PARISHAD KHORDHA in the interest of the Project with respect to the Technical Specifications, Designs and Drawings during the course of performance of the Work Order shall be fully acceptable to us without any cost implication whatsoever to ZILLA PARISHAD KHORDHA.

27. We confirm that we will comply with all the Applicable Laws and Prudent Utility Practices all the time during the performance of the Work Order.
28. We confirm that we have submitted the Price Bid as per the forms given in Bid Form (Price Bid) and/ or the instructions given in the RFP; failure to which our Price Bid shall be considered as non-responsive and shall be liable for rejection.
29. We agree that We have not submitted any conditional or alternative Price Bid and in case of any deviation, then our Price Bid shall be considered as non-responsive and shall be liable for rejection.
30. We confirm that we have not mentioned the Price Bid anywhere other than the Price Bid.
31. We confirm that we do not have any conflict of interest in accordance with the provisions of the tender.
32. We confirm that in case we are directly or indirectly through an agent engaged in Corrupt Practice, Fraudulent Practice, Coercive Practice, Collusive Practice, Obstructive Practice or Integrity Violation, then our Price Bid shall be considered as non-responsive and shall be liable for rejection.
33. We understand that you are not bound to accept any Price Bid you may receive.
34. We confirm that ZILLA PARISHAD KHORDHA reserves all the right to accept or reject any Price Bid without assigning any reasons thereof and shall not be held liable for any such action and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
35. We confirm that in case our Bid is accepted, we undertake to provide Contract Performance Securities as specified in the tender, else our Bid Security shall be forfeited.
36. The rates quoted by us are firm, final and are meant for execution of the allotted supply/ installation within the time frame stipulated in the tender/supply/ installation order.
37. We shall be responsible for the payment of the respective taxes to the appropriate authorities and should I/we fail to do so, I/we hereby authorize ZILLA PARISHAD KHORDHA to recover the taxes due from us and deposit the same with the appropriate authorities on their demand.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

**Bid Form 14 (Price Bid)****Price Bid**

(Sample Format)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

Particulars	Description			
Name of the Project	Supply, installation & commissioning and acceptance of solar based Street Lights along with Comprehensive Maintenance for five (5) Years at various places of Khordha districts of Odisha.			
Name of the Bidder	[insert the Bidder name]			
Category of the Bidder	Category A			
Package no. (select the Package from the dropdown menu)	Package no. [1,2]			
Price Bid for Project – per unit total cost				
Sl. No.	Particulars	Label	Price in INR per Unit	Price in INR per Unit (in words)
1	24 watt solar semi integrated Street Lights with 36 AH Lithium Ferro Phosphate (Li Fe PO <sub>4</sub> ) battery ,100wp solar panel Auto diming after 4 hours with dusk and dawn controller and GI Pole of 3”dia ,3mm thickness, 6 mtrs height and five year free maintenance	A	INR [insert]	Indian Rupees [insert] only
2	Cost of CMC for 5 Years @ 10% of A with 2% each Year of CMC Period	$B = 10\% * A$		To be auto calculated
5	Total cost of [Solar based Street Lights] with CMC(Total Price)	$C = A+B$		To be auto calculated

**Note:**

1. Above rate contract shall be for period of one year from date of Letter of Empanelment
2. Tax (GST) rates shall be as per the actual at the time of invoicing as per the prevailing tax rules in India.

**LOI Form 1 (BID Security)**

**BID Security (in the form of a Bank Guarantee)**

(To be submitted on a non-judicial stamp paper of appropriate value as per The Indian Stamp Act, 1899 relevant to the place of execution. The stamp paper shall be purchased in the name of the issuing bank only.)

Bank Guarantee (BG) no.: [insert BG no.]

Date: [DD MMM YYYY]

To

The CDO-cum-EO  
ZILLA PARISHAD KHORDHA

WHEREAS M/s. [insert name of the Successful Bidder] having its registered office at [insert address] (hereinafter called "the Successful Bidder") has been selected as the Successful Bidder for the selection as an Engineering, Procurement and Construction (EPC) Successful Bidder for supply, installation, & commissioning of solar based semi integrated Street Lights along with Comprehensive Maintenance for five (5) Years at various rurban and rural areas of Khordha District with reference to Tender call notice no.: [insert no.] dated [DD MMM YYYY] and work order (LOI) no. [insert LOI no.] dated [DD MMM YYYY].

AND WHEREAS it has been stipulated by ZILLA PARISHAD in the said Bidding Document that the Successful Bidder shall furnish ZILLA PARISHAD with a Bank Guarantee from a nationalized or scheduled commercial bank for the sum specified therein, as Performance Security for compliance with its obligations in accordance with the Bidding Document, the Letter of Intent and the Work Order to be issued by ZILLA PARISHAD.

AND WHEREAS we have agreed to give the Successful Bidder such a bid Security in the form of this Bank Guarantee. NOW THEREFORE we hereby affirm that we are the guarantors and responsible to ZILLA PARISHAD on behalf of the Successful Bidder for an amount up to a total of INR [Amount of the Bank Guarantee in words]([Indian Rupees in figures]) only and we undertake to pay ZILLA PARISHAD upon ZILLA PARISHAD's first written demand declaring the Successful Bidder to be in default under the various provisions of the Bidding Document and/ or the Work Order to be issued by ZILLA PARISHAD and without cavil or argument, any sum or sums within the limits of the amount of Bank Guarantee, as aforesaid, without ZILLA PARISHAD's need to prove or to show grounds or reasons for the demand or the sum specified therein. We hereby waive the necessity of your demanding of the said demand from the Successful Bidder before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Bidding Document and/ or the Work Order to be issued by ZILLA PARISHAD to be performed there under or any of the contract documents which may be made between you and the Successful Bidder shall in any way release us from any liability under this Bank Guarantee and we hereby waive notice of any such change, addition or modification.

This Bank Guarantee shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the issuing bank.

This Bank Guarantee shall be a primary obligation of the issuing bank and accordingly ZILLA PARISHAD shall not be obliged before enforcing this Bank Guarantee to take any action in any court or arbitral proceedings against the Successful Bidder, to make any claim against or any demand on the Successful Bidder or to give any notice to the Successful Bidder or to enforce any security held by

ZILLA PARISHAD or to exercise, levy or enforce any distress, diligence or other processes against the Successful Bidder.

This Bank Guarantee shall be interpreted in accordance with the laws of India and the courts at Bhubaneswar, Odisha shall have exclusive jurisdiction.

This Bank Guarantee shall be effective only when the Bank Guarantee is issued to the account holder “Zilla Parisad Khordha ” in the bank and branch “Punjab National Bank., Khordha Branch” having the account no. 0452010212076 IFSC code PUNB0045220.

Notwithstanding anything contained herein above our liability under this guarantee is restricted to INR [insert] (Indian Rupees [in words]) only and it shall remain with an expiry date up to [DD MMM YYYY, [insert] months from the original last date of submission of Bid] with a claim date up to [DD MMM YYYY, 12 months from the date of expiry] and shall be extended from time to time for such period, as may be desired by M/s. [insert the Successful Bidder name] whose behalf this guarantee has been given.

Our branch at [Name and address of the branch] is liable to pay the guaranteed amount depending on the filing of the claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our [Name and address of the branch] branch a written claim or demand and received by us at our [Name and address of the branch] branch, otherwise the bank shall be discharged of all liabilities under this guarantee thereafter.

In witness where of the Bank, through its authorized officer, has set its hand and stamp on [DD MMM YYYY] at [insert location of signing].

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name and address of the Bank and address of the Branch

Power of attorney no.:

WITNESSES

Signature:

Name:

Address:

Signature:

Name:

Address:

Note:

1. This Bank Guarantee format is prepared in line with the Annexure-II of Finance Department Office Memorandum 4939 dated 13 Feb 2012, Govt of Odisha [Ref Para 22(i1)].
2. Please ensure that each page of the Bank Guarantee is duly signed by the authorized signatory of the issuing bank and stamp of the issuing bank is affixed thereon.
3. Please ensure whether the last page is signed with full particulars including two witnesses under the seal of Bank as required in the prescribed format.
4. Please ensure that the date, purpose of purchase of stamp paper and name of the purchaser are indicated on the back of the stamp paper under the signature of the stamp vendor. The date of purchase of stamp paper shall be not later than the date of execution of the Bank Guarantee.
5. In case of any overwriting, cutting, etc. on the Bank Guarantee have been properly authenticated under signature and seal of the authorized office of the issuing bank.

## LOI Form 2 (Sample format for CMC)

### Sample format for Comprehensive Maintenance Contract (CMC)

CMC ref no: [insert]

Date: [DD MMM YYYY]

Sub: CMC for supply, installation, testing, and commissioning and acceptance of solar based Street Lights along with Comprehensive Maintenance for five (5) Years at various districts of Odisha on a rate contract basis.

Ref:

3. RFP no. [insert] dated [DD MMM YYYY]
4. Work Order no. [insert] dated [DD MMM YYYY]

The Comprehensive Maintenance Contract (CMC) is signed jointly between the two (2) Parties on this [insert] day of [insert] month in the year [insert] at Bhubaneswar, Odisha and shall come into force from the date of its signing.

CMC for maintenance of Project consisting of [Solar based Street Lights] supplied and installed by M/s [insert the name of the Successful Bidder] for a CMC Period of five (5) years from the date of Commissioning of the Project.

This CMC is executed between ZILLA PARISHAD KHORDHA having office at Collectorate Campus Khordha Pin-752056, Odisha, herein after called as the First Party and M/s [insert the name of the Successful Bidder] having registered office at [insert address of the Successful Bidder] herein after called as Second Party, for the maintenance of the Project for a period of five (5) years from the date of Commissioning of the Project, as per the details provided herein:

Project	Location details	Remarks
[insert]	[insert]	[insert]

The Second Party will maintain the Project as per the terms and conditions mentioned here under:

5. It has been envisaged in the Work Order under Article [insert] that the Project shall be warranted against any manufacturing defect and bad workmanship during the CMC Period of five (5) years from the date of Commissioning of the Project. As these Projects have been commissioned after issuance of a Commissioning Certificate. Hence, the Second Party is fully responsible for their trouble-free maintenance and the Second Party is liable to rectify/ remove any defect noticed within the aforesaid CMC Period, free of cost.
6. The BID Security has been submitted only in the form of the Bank Guarantee and the Bank Guarantees were issued in favour of CDO-cum-EO, ZILLA PARISHAD KHORDHA payable at Khordha, Odisha for an amount, expiry date and claim date as mentioned below:

The BID Security has been submitted for an aggregate amount equivalent to Ten percent (10%) of the Total Price as given below:

BG no.	Amount	Expiry date	Claim date
BG	Ten percent (10%) of Total Price	Seventy two (72) Months from the date of issuing Letter of Intent	Seventy two (72) Months from the date of expiry

Bank Guarantee submitted towards the BID Security may be returned within a period of thirty (30) Days of the expiry date of of the BG.

7. The CMC includes repair/ replacement of all spares, consumable and all the Equipment including solar photovoltaic module, battery, LED Light, balance of systems, etc. during the CMC Period.
8. The Second Party shall establish a central office at Bhubaneswar, Odisha, and so as to deliver uninterrupted and sustainable Comprehensive Maintenance during the CMC Period duly headed by a Service Engineer.

9. The Second Party shall undertake corrective maintenance upon registration of complaint by consumer at CRC-ZILLA PARISHAD KHORDHA. After attending to the defect, the Second Party shall inform for successful closure of the complaints. The Second Party shall ensure rectification of defects and restore functionality within seven (7) Days of lodging the complaints.
10. The Second Party shall apprise the First Party about the requirements and supply of spares during warranty as well as CMC Period.
11. Annual report from CRC-ZILLA PARISHAD KHORDHA shall be considered as token of verification of maintenance done and release of annual payment of CMC in arrears upon completion of each year of CMC Period.
12. It will be the liberty of the First Party to crosscheck the systems maintained by the Second Party. Random verification of the maintenance may be carried out by the First Party wherever necessary.
13. The Second Party may continue to maintain the gadgets after expiry of the CMC Period of five (5) years from the date of Commissioning of the Project, provided the Department/ First Party desires.
14. For adjudication of any dispute between the two (2) Parties arising on execution of this CMC, the matter shall first be brought to the notice of CDO-cum-EO, ZILLA PARISHAD KHORDHA.
15. 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, Bhubaneswar only.

For and on behalf of Zilla Parishad(First Party),

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory of ZILLA PARISHAD KHORDHA:

[insert name]

Designation: [insert designation]

Zilla Parishad

Seal: [insert seal of the Bidder]

For and on behalf of M/s ..... (Second Party)

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

