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OUR SIMILIPAL
OUR PRIDE

**OFFICE OF THE DEPUTY DIRECTOR, SIMILIPAL (NORTH) WILDLIFE DIVISION
AT-MATIAGARH CHHAKA, PO-K. JASHIPUR,
DIST-MAYURBHANJ, ODISHA-757091**

Tel: - 06797-295030, Email- dfo.similipalnorthwl@odisha.gov.in / ddsimilipalnorth@gmail.com

Office Order No. 67 //, Dated. 12.03.2026

01st Corrigendum to Bid invited vide this Office Tender Call Notice No.1111, dtd.06.03.2026

In pursuance to this Office Tender Call Notice No.1111, dtd.06.03.2026, for Supply and installation of Solar Power System for different Nature Camp under Similipal North Wildlife Division, Jashipur, Mayurbhanj, Odisha, the following changes have been made in NIT & DTCN.

The Office Order No.66, dtd.10.03.2026, issue towards cancellation of the above tender call notice is hereby withdrawn			
Sl No. As per Original TCN	Items	As per Original TCN	As per 01 st Corrigendum to TCN & DTCN
4.	Date & time of availability of tender document	From 09.03.2026 (during office time) to 10.30 AM of 16.03.2026	Till 10.30 AM of 17.03.2026
5.	Receipt of bid documents	On or before 16.03.2026 by 11.00 AM.	On or before 17.03.2026 by 11.00 AM
6.	Date & time of opening of technical bid	Dt.16.03.2026 at 12.30 PM hours onwards	Dt.17.03.2026 at 12.30 PM hours onwards

Yours faithfully

**Deputy Director,
Similipal (North) WL Division,
Jashipur**

Memo No. 1267 // 1F (Account), Dated. 12.03.2026

Copy forwarded to the Deputy Director-cum- Deputy Secretary to Govt. of Odisha (Advertisement), Information & Public Relation Department, Govt. of Odisha, Bhubaneswar for information. He is requested to kindly make necessary arrangements for wide publicity and publication of Tender Notice in the leading Odia daily Newspaper at the earliest. The copy of the advertisement news may be provided to this office for record.

**Deputy Director,
Similipal (North) WL Division,
Jashipur**

Memo No. 1268 // 1F (Account), Dated. 12.03.2026

Copy forwarded to the Director, Printing stationery and Publication, Odisha, Cuttack for information. He is requested to publish the Notification enclosed herewith in Odisha Gazette & issue a copy of the same to this office for record.

**Deputy Director,
Similipal (North) WL Division,
Jashipur**

Memo No. 1269 // 1F (Account), Dated. 12.03.2026

Copy forwarded to the Principal Chief Conservator of Forests & Hoff, Odisha, Bhubaneswar for favour of kind information & necessary action.

**Deputy Director,
Similipal (North) WL Division,
Jashipur**

Memo No. 1270 // 1F (Account), Dated. 12.03.2026

Copy forwarded to the Principal Chief Conservator of Forests (WL) & CWLW, Odisha, Bhubaneswar for favour of kind information & necessary action.

**Deputy Director,
Similipal (North) WL Division,
Jashipur**

Memo No. 1271 // 1F (Account), Dated. 12.03.2026

Copy forwarded to the Field Director, Similipal Tiger Reserve-cum-Regional Chief Conservator of Forests, Baripada for favour of kind information & necessary action.

**Deputy Director,
Similipal (North) WL Division,
Jashipur**

Memo No. 1272 // 1F (Account), Dated. 12.03.2026

Copy forwarded to the All Divisional Forest Officer (T&WL), Odisha for favour of kind information & necessary action.

**Deputy Director,
Similipal (North) WL Division,
Jashipur**

Memo No. 1273 // 1F (Account), Dated. 12.03.2026

Copy forwarded to All Range Officers of Similipal North WL Division for information & necessary action.

Copy to Notice Board.

Copy to Tender File.

**Deputy Director,
Similipal (North) WL Division,
Jashipur**



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OUR SIMILIPAL
OUR PRIDE

OFFICE OF THE
DEPUTY DIRECTOR, SIMILIPAL NORTH
WILDLIFE DIVISION, JASJHIPUR, MAYURBHANJ

TENDER DOCUMENTS
FOR

SUPPLY AND INSTALLATION OF SOLAR POWER
SYSTEM FOR DIFFERENT NATURE CAMPS OF
SIMILIPAL NORTH WILDLIFE DIVISION,
JASHIPUR, MAYURBHANJ, ODISHA.

LAST DATE FOR SALE OF TENDER DOCUMENTS: **BY 10.30 AM ON 17.03.2026**

LAST DATE FOR SUBMISSION OF SEALED TENDER DOCUMENT:

BY 11 AM ON 17.03.2026

OPENING OF SEALED TENDER DOCUMENT: **AT 12.30 P.M ON 17.03.2026**

In Presence of Bidders

Signature of the issuing Officer

Signature of the tenderer
(Seal & signature of the tenderer)

UNDERTAKING FOR SUBMISSION OF TENDER

To

The Deputy Director,
Similipal North WL Division, Jashipur.

Sub: Supply and installation of solar power system for different nature camps of Similipal North Wildlife Division, Jashipur.

Dear Sir,

1. With reference to your Tender Documents dated- **06/03/2026**, I/ We having examined the Tender Documents and understood their contents, hereby submit my/ our Tender for the aforesaid Project. The Tender is unconditional and unqualified.
2. All information provided in the Tender and in the Appendices is true and correct.
3. I/ We shall make available to the authority any additional information it may find necessary or require to supplement or authenticate the Tender.
4. We understand that only a single Contractor will be selected for the project mentioned above.
5. I/ We declare that,
 - a) I/ We have examined and have no reservations to the Tender Documents.
 - b) I/ We do not have any conflict of interest in accordance with the provision set out in the Tender Document.
 - c) I/ We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in respect of any Tender or Tender Document issued by or any agreement entered into with the Authority or any other Public Sector Enterprises or any Government, Central or State;
 - d) I/ We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
 - e) I/ We further certify that in regard to matters relating Tender and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates.
 - f) I/ We further certify that no investigation by a regulatory authority is pending either against us or against our Associates or against our CEO or any of our Directors/ Managers/ Employees.

g) I/ We undertake that in case due to any change in facts or circumstances during the Selection Process, we are attracted by the provisions of disqualification in terms of the referred to above, we shall intimate the Authority of the same immediately.

6. In the event of my / our being declared as the successful Bidder, I/ We agree to enter into a Contact Agreement on receipt of work order
7. The Financial Bid has been quoted by me/ us after taking into consideration all the terms and conditions stated in the Tender Document, General Conditions of Tender Documents.
8. I / We agree and undertake to abide by all the terms and conditions of the Tender Documents.

In witness thereof, I/ We submit this Tender under and in accordance with the terms of the Tender Documents.

Date:

Yours faithfully,

Place:

(Signature of the Authorized Signatory)
(Name and Designation of the Authorized Signatory)
Name and seal of Bidder

SUPPLY AND INSTALLATION OF SOLAR POWER SYSTEM FOR DIFFERENT NATURE CAMPS OF SIMILIPAL NORTH WILDLIFE DIVISION, JASHIPUR, MAYURBHANJ, ODISHA.

Tenders are hereby invited by the office of the Deputy Director, Similipal North WL Divisional, Jashipur, Mayurbhanj, Odisha from the eligible agencies/ reputed firms who have executed similar nature of works in India as per pre-qualification criteria (Three envelopes system) for the following work:

DESCRIPTION OF WORK

SUPPLY AND INSTALLATION OF SOLAR POWER SYSTEM FOR DIFFERENT NATURE CAMPS OF SIMILIPAL NORTH WILDLIFE DIVISION, JASHIPUR, MAYURBHANJ, ODISHA.

Cost of tender documents: **Rs. 10,000/-**

Earnest Money Deposit: **Rs.1,50,000/-**

1. Milestone dates for tendering
 - i. Receiving of Tender Papers: **17.03.2026 until 11.00 AM**
 - ii. Opening of technical bid: **17.03.2026 at 12.30 PM**
 - iii. Opening of price bid (To be intimated to all the pre-qualified bidders separately.)
2. The bidders shall have to submit their bids either physically in the tender deposition box or through registered post / Speed post / Courier service on or before the above-mentioned scheduled date & time. For bids being deposited through registered post, Deputy Director, Similipal North WL Division will not be responsible for any late receipt of the bid documents. Bidders need to enclose the acknowledgement receipt in support of payment of cost of **tender document charges of Rs. 10,000/-** in the form of **Demand Draft from a scheduled Bank drawn in favour of Deputy Director, Similipal North WL Division, Jashipur payable at Jashipur.**
3. The bidders should enclose **Earnest Money Deposit (EMD) of Rs.1,50,000/-** in the form of **Demand Draft from a scheduled Bank drawn in favour of Deputy Director, Similipal North WL Division, Jashipur payable at Jashipur.** Bid documents without proper EMD and tender document charges will summarily be rejected.

4. EMD and acknowledgement towards cost of tender documents in original along with all the eligibility documents for prequalification shall be submitted in the manner as described in the bid document by the specified date and time to the office of the Deputy Director, Similipal North WL Division, Jashipur, Mayurbhanj, Odisha. The agency who fails to submit eligibility documents as mentioned above will be declared as ineligible and the bid submitted by it shall be declared as invalid.

PART-A

The technical bid should contain the following information.

1. Passport size photograph duly self-signed in front of photograph to be pasted in Part-A Form.
2. Photocopy of PAN card issued by the Income Tax Department.
3. Photocopy of the GST registration certificate.
4. Earnest Money Deposit (EMD) of **Rs.1,50,000/-** in the form of Demand Draft from a scheduled bank drawn in favour of the Deputy Director, Similipal North WL Division, Jashipur payable at Jashipur.
5. Accordingly, in support of Tender Document Fee of **Rs.10,000/-** in the form of Demand Draft from a scheduled bank drawn in favour of the Deputy Director, Similipal North WL Division, Jashipur payable at Jashipur.
6. Complete Office address with relevant phone numbers.
7. The bidders will have to provide components/ equipment in strict compliance with the manufacturer/ makes/ brand of BIS standard. All the bidders need to provide unconditional acceptance of this by signing each page of the schedule as a token of acceptance. Non-compliance with this will lead to rejection of the bid documents without assigning any reason thereof and the bids will not be further considered for evaluation.
8. All the pages of the Tender Documents should be signed by the tenderer or else it is liable for cancellation.
9. Defect liability period will be for a period of one year from the date of installation and commissioning.
10. The entire work needs to be completed within a period of thirty days from the date of issue of work order.

11. The supplier should be either a manufacturer or authorized distributor/ dealer of the manufacturer.
12. Order and Delivery Report/ Certificate towards proof of having supplied and installed Solar Power System to any State/ Central Government Organizations within the last 3 (Three) years.
13. Supply and installation of Solar Power System a minimum value of Rs.20 Lakhs (Rupees Twenty lakhs only) within last three years.
14. Registration of the Agency/Firm/Dealer/Supplier from DIC/NSIC or similar originations.
15. ISO Certification.

I. INSTRUCTION OF BIDDERS

- a. The bidders are expected to submit the Earnest Money Deposit, Technical Bid and Financial Bid in hard copy in the office of the Deputy Director, Similipal North WL Division, Jashipur, Mayurbhanj, Odisha. Financial Bid should be separately sealed in the envelope and to be submitted as per the format mentioned herein.
- b. Products of Chinese companies will not be accepted.
- c. Bidders should quote the price as per the specification enclosed in the tender paper.
- d. Bidders should submit the technical bid with product specification of the Same.
- e. **Price of Solar Power System should be quoted inclusive of cost of transportation, installation, accessories, all the taxes and included Annual Maintenance work with no cost paid by the undersigned for maintenance work.**
- f. In order to obtain first-hand information about the assignment the local conditions/ constraints and concept of the entire project, it is advisable that the bidder visits the site to acquaint with the site conditions etc.
- g. The bidder will have to keep its offer valid for 180 days of the opening of the technical bid and in the case of withdrawal before that date the earnest money amount will be forfeited to the department.

- h. The expenses on preparing the proposals, visiting the site, attending the pre-submission meeting and negotiating the contract etc. will not be reimbursed.

II. METHOD OF APPLYING

- a. If the application is made by the individual, it shall be signed above his full type written name & current address.
- b. If a proprietary firm makes the application, it shall be signed by the proprietor above his full type written name & the full name of his firm with its current address.
- c. If the application is made by a firm in partnership, it shall be signed by all the partners of the firm with their full name and current addresses or alternatively by a partner holding power of attorney shall be enclosed with the prequalification document. A certified copy of partnership deed and current address of all the partners of the firms shall also be enclosed with the prequalification document.
- d. If a limited company or corporation makes the application, a duly authorized person shall sign it.

III. SUBMISSION AND OPENING OF BIDS

- a. No tender will be valid unless accompanied by the stipulated amount of earnest money.
- b. At the advertised time and place, all bids received for the contract shall be opened by the officer inviting the tender (or any other officer authorized by him) in person, in the presence of the bidder on their representative who may choose to attend. No over writings shall be done but corrections where necessary shall be neatly scored out and rewritten and corrections shall be duly attested prior to the submission of the bids.
- c. At the time of opening of tender, one Additional Officer/ one office Assistant shall also be present invariably to render necessary assistance.
- d. Attendance of the bidders or their authorized representatives shall be noted down in the register to be maintained for this purpose. Rates and or conditions of each of the bids shall be read out before the persons present and their signatures obtained on each of the tender document.

- e. The officer opening the tender documents would initial on each and every bids and the serial numbers of such tender documents with reference to total tender documents noted on each bid document. The initials shall be recorded on the page containing the financial bids.
- f. Each and every correction or overwriting shall be initialed and number of such corrections noted on the respective pages. The bidders are advised to properly seal the tender document papers in their own interest.
- g. The earnest money of the lowest bidder shall be retained till the tender document is accepted and agreement executed. The earnest money of the remaining bidders whose tender is not accepted shall be refunded after the agreement is executed. However, irrespective of the decision on the tender documents the earnest money of all the bidders shall be refundable on expiry of the validity period specified in the Notice Inviting Tender (NIT).
- h. Each bidder shall supply the name, residence and place of business of the person or persons giving the tender document and shall be signed by the bidder with his usual signature. When a partnership firm gives tender document then the full names of all the partners shall be furnished. An attested copy of the constitution of the firm and the register number of the firm shall be furnished. In such a case the tender document must be signed separately by each partner or in the event of the absence of any partner must be signed on his behalf by a person holding a power of attorney authorizing him to be so. Tender documents by corporation shall be signed with the legal name of the state of in-corporation and by signature and by designation of the resident, secretary or other person authorized to bind it in the matter.
- i. The bidders shall also give the following information invariably on cover containing the tender document
 - A. Name and address
 - B. Amount of earnest money deposited and No. and date of D.D/
F.D.R

- j. Earnest money which has been deposited for a particular work will not ordinarily be adjusted towards the earnest money for another work.
- k. The tender documents shall be opened at the time and place stated above by the officer issuing this notice in the presence of the bidders or their duly authorized representatives who may choose to attend. The officer under unavoidable circumstances may depute another officer in his absence to receive and open the tender documents on his behalf.
- l. The technical bid in the presence of the tenderers or their authorized representatives, who choose to be present, will be opened on **17.03.2026 at 12.30 PM.** The financial bids will be opened after evaluation of the technical proposals and on a date and time to be notified to such of the bidders who are technically eligible.
- m. The Division Level Purchase Committee constituted by Deputy Director, Similipal North WL Division will scrutinize the tender documents and reserves the right to recommend for acceptance any of the bids.
- n. The particulars of the proposed work given are bare minimum and must be considered only as advance information to assist the applicant.
- o. Enhancement or Curtailment in the quantum of the work will not vitiate the contract.
- p. Conditional bids are liable to be rejected.
- q. Canvassing for support in any form for the acceptance of any tender document is strictly prohibited.
- r. If the bidder whose tender is accepted fails to deposit the security amount and to execute the agreement within the notified period for any reason whatever, earnest money deposit with the tender document shall be forfeited and acceptance of the bids cancelled.
- s. The payment will be made through online mode only.
- t. Deduction of GST TDS / Income Tax TDS at source shall be done as per the law. It is open to the bidder as the case may be to make an application to the officer concerned and obtain from him a certificate authorizing the prayer to deduct tax such lower rate or deduct no tax as may be appropriate to his case. Such certificate will be valid for the period specified therein unless the officer concerned cancels it. The bidder whose tender document has been accepted will have to execute the agreement in the prescribed form within seven days of the receipt of the communication of the acceptance of his tender. Failure to do so will result in the earnest money being forfeited and tender document being cancelled.

- u. In case of delay or extension of the work beyond the stipulated period, the Deputy Director, Similipal North WL Division, Jashipur may at its discretion issue a time extension letter only after obtaining proper justification.
- v. All the terms and conditions of the Notice Inviting Tender (NIT) and appendices/ Annexure referred to herein before will be binding on the bidders.
- w. Warranty:
 - i. The vendor will provide minimum 60 months of comprehensive Onsite Warranty including spare parts etc.
 - ii. In case of any claim arising out of this warranty, the Purchaser/ Consignee shall promptly notify the same in writing to the vendor.
 - iii. Upon receipt of such notice, the vendor shall, within 48 hours respond to take action to repair or replace the defective equipment or parts thereof, free of cost, at the ultimate destination. The vendor shall take over the replaced parts/ equipment after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/equipment thereafter. The penalty clause for non-replacement will be applicable as per the penalty clause.
 - iv. In the event of replacement of defective equipment during the warranty period, the warranty for the replaced equipment shall be extended for a further period.
 - v. If the vendor, having been notified, fails to respond to take action to replace the defect(s) within 48 hours, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the vendor and without prejudice to other contractual rights and remedies, which the purchaser may have against the vendor, including forfeiture of the performance security/ bank guarantee.

X. Delay in the Vendor's Performance & Penalty:

- i. The time and the date schedule of delivery of the equipment mentioned in the Supply order/ Incorporated in Contract shall be deemed to be of the essence of the contract and the delivery must be completed no later than the date as specified in the contract/ supply order.
- ii. Subject to the provisions of the tender, any unexcused delay by the vendor in maintaining its contractual obligations towards delivery of the equipment and performance services shall render the vendor liable to any or all of the following sanctions:
 - a) Imposition of liquidated damages,

- b) Forfeiture of its performance security and
- c) Termination of the contract for default.
- d) Blacklisting the vendor.

IV. TENDER PROCEDURE

The tender will be in two-bid system: Part-A & Part-B.

Part-A will contain EMD, Tender document charges and the details as mentioned. If all the clauses of part-A is complied, then only Part-B will be opened.

Part-B Financial Bid will be opened for Bidders who have technically qualified and also have complied to all the eligibility, prequalification criteria mentioned herein.

V. PAYMENT TERMS

1. 60% payment will be released within seven days of installation at the site.
2. Balance 40% payment will be released on successful functioning.
3. Deputy Director, Similipal North WL Division reserves the right to negotiate the prices with the most technically competent Bidder irrespective of the prices quoted in the financial bid.

VI. SPECIFICATION OF THE MATERIALS

The Solar Power System will be comprised of following materials with specifications.

INSTALLATION AND COMMISSIONING OF AUDIO-VISUAL SYSTEM FOR SIMILIPAL (NORTH) WILDLIFE DIVISION

Technical Specification / Requirement:

20 KILO WATT POWER GENERATING SYSTEM TECHNICAL SPECIFICATION

(Type-I)

CATEGORY	SPECIFICATION
1- PV MODULE	Total Plant Capacity: 20 kWp Module Type: Mono PERC / Polycrystalline Solar PV Modules Individual Module Rating: ≥550 Wp (or equivalent) Module Efficiency: ≥20% Cell Type: Crystalline silicon Front Glass: High transmission tempered glass Frame: Anodized Aluminum frame Junction Box: IP67 rated Standards: IEC 61215 / IEC 61730 compliant Performance Warranty: 90% output for 10 years

	80% output for 25 years
2. Solar Inverter (Off-Grid Type) Inverter Capacity: 20 kVA / 20 kW	Inverter Capacity: 20 kVA / 20 kW Type: Pure sine wave off-grid inverter Input Voltage: Suitable for PV array configuration Output Voltage: 230V / 415V AC, 50 Hz Efficiency: ≥95% THD: <3% Protection Features: Overload protection Short circuit protection Over voltage protection Reverse polarity protection Over temperature protection Standards: IEC 61683 / IEC 62109 compliant
3. Battery Bank	Battery Type: Tubular Lead Acid System Voltage: 240V Battery Capacity: Suitable for minimum 5–6 hours backup Cycle Life: Lead Acid: ≥1500 cycles
4. Solar Charge Controller	Type: MPPT based charge controller Controller Efficiency: ≥95% Protection: Overcharge protection Deep discharge protection Reverse polarity protection Short circuit protection Temperature compensation
5. Mounting Structure	Type: Hot dip galvanized MS mounting structure Material Thickness: ≥3 mm Tilt Angle: Adjustable (as per site latitude) Wind Load Resistance: Up to 150 km/h
6. Cables & Wiring	DC Cables: Copper solar cables, UV resistant AC Cables: Copper armored cables Cable Standards: IEC / IS standards Conduit: UV resistant PVC or GI conduits
7. Protection & Safety	DC Distribution Box (DCDB) with: DC isolator DC MCB / fuse Surge protection device (SPD) AC Distribution Box (ACDB) with: MCCB / MCB SPD Energy meter Earthing: Minimum 3–4 earth pits Separate earthing for lightning, equipment, and structure Lightning Arrester: Provided for system protection
8. Monitoring System	Display: Voltage, current, power, battery status Data logging facility
9. System Performance	Average Energy Generation: 80–90 kWh per day (depending on location)

	Plant Availability: ≥98% Performance Ratio: ≥75%
10. Installation & Commissioning	Complete installation, testing, and commissioning Site survey and system design Cable laying and termination Foundation for mounting structure
11. Environmental Conditions	Operating Temperature: –10°C to +55°C Humidity: Up to 95% RH Suitable for outdoor installation
12. Warranty	Solar Modules: 25 years performance warranty Inverter: 5 years Battery: 5 years Complete System: 5 years

40 KILO WATT POWER GENERATING SYSTEM TECHNICAL SPECIFICATION

(Type-II)

CATEGORY	SPECIFICATION
1- PV MODULE	Total Plant Capacity: 40 kWp Module Type: Mono PERC / Polycrystalline Solar PV Modules Individual Module Rating: ≥540 Wp (or equivalent) Module Efficiency: ≥20% Cell Type: Crystalline silicon Front Glass: High transmission tempered glass Frame: Anodized Aluminum frame Junction Box: IP67 rated with bypass diodes Standards: IEC 61215 / IEC 61730 compliant Warranty 90% power output up to 10 years 80% power output up to 25 years
2. Solar Inverter (Off-Grid Type) Inverter Capacity: 40 kVA / 40 kW	Inverter Capacity: 40 kVA / 40 kW Type: Pure sine wave off-grid inverter Input Voltage: As per PV array configuration Output Voltage: 415V AC, 3-Phase, 50 Hz Efficiency: ≥95% Total Harmonic Distortion (THD): <3% Protection Features: Overload protection Short circuit protection Over voltage protection Reverse polarity protection Over temperature protection Standards: IEC 61683 / IEC 62109 compliant
3. Battery Bank	Battery Type: Tubular Lead Acid System Voltage: 360V Battery Capacity: Suitable for minimum 5–6 hours backup Battery Cycle Life: Lead Acid: ≥1500 cycles

4. Solar Charge Controller	Type: MPPT based charge controller Controller Efficiency: ≥95% Protection: Overcharge protection Deep discharge protection Reverse polarity protection Short circuit protection Temperature compensation
5. Mounting Structure	Material: Hot dip galvanized mild steel (MS) Structure Thickness: ≥3 mm Tilt Angle: Adjustable as per site latitude Wind Load Resistance: Up to 150 km/h
6. Cables & Wiring	DC Cables: Copper solar cables, UV resistant AC Cables: Copper armored cables Cable Standards: IS / IEC compliant Cable Conduit: UV resistant PVC / GI conduits
7. Distribution Panels	DC Distribution Box (DCDB) DC isolators DC MCB / fuse Surge Protection Device (SPD) AC Distribution Box (ACDB) MCCB / MCB protection Energy meter Surge Protection Device
8. Earthing and Lightning Protection	Minimum 4 earth pits 1 for lightning arrester 1 for solar structure 1 for inverter 1 for electrical equipment Lightning arrester installed as per IS standards
9. Monitoring System	Digital monitoring system for: Solar generation Battery status Voltage and Current System faults
10. System Performance	Average Daily Generation: 160–180 kWh per day (location dependent) Plant Availability: ≥98% Performance Ratio: ≥75%
11. Installation and Commissioning	Site survey and plant design Civil foundation for module structure Installation of modules, inverter, and battery bank Cable laying and termination Testing and commissioning of the system
12. Environmental Conditions	Operating Temperature: –10°C to +55°C Humidity: Up to 95% RH Suitable for outdoor installation
13. Warranty	Solar Modules: 25 years performance warranty

	Inverter: 5-year warranty Battery: 5-year warranty Complete System: 5-year warranty
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60 KILO WATT POWER GENERATING SYSTEM TECHNICAL SPECIFICATION (Type-III)

CATEGORY	SPECIFICATION
1- PV MODULE	Total Plant Capacity: 60 kWp Module Type: Mono PERC / Monocrystalline Solar PV Modules Individual Module Rating: ≥540 Wp or equivalent Module Efficiency: ≥20% Cell Type: Crystalline silicon Front Glass: High transmission tempered glass Frame: Anodized Aluminum frame Junction Box: IP67 rated with bypass diodes Standards: IEC 61215 / IEC 61730 compliant Warranty 90% output up to 10 years 80% output up to 25 years
2. Solar Inverter (Off-Grid Type) Inverter Capacity: 60 kVA / 60 kW	Inverter Capacity: 60 kVA / 60 kW Type: Pure sine wave off-grid inverter Output Phase: 3 Phase Output Voltage: 415 V AC ±10% Frequency: 50 Hz Efficiency: ≥96% Total Harmonic Distortion (THD): <3% Protection Features Overload protection Short circuit protection Over voltage protection Reverse polarity protection Over temperature protection Standards: IEC 61683 / IEC 62109 compliant
3. Battery Bank	Battery Type: Tubular Lead Acid System Voltage: 384V DC Battery Backup: Minimum 5–6 hours backup at full load Battery Cycle Life Lead Acid: ≥1500 cycles Battery rack with insulated terminals
4. Solar Charge Controller	Type: MPPT charge controller Controller Efficiency: ≥95% Protection Over charge protection Deep discharge protection Reverse polarity protection Short circuit protection Temperature compensation
5. Mounting Structure	Material: Hot dip galvanized mild steel Structure Thickness: ≥3 mm Tilt Angle: Adjustable according to site latitude

	Wind Load Resistance: Up to 150 km/h wind speed
6. Cables & Wiring	DC Cables: Copper solar cables with UV resistant insulation AC Cables: Copper armored cables Cable Standard: IS / IEC compliant Cable Routing: Through UV resistant PVC / GI conduits
7. DC Distribution Box (DCDB)	Includes: DC isolators String monitoring DC fuse / MCB Surge Protection Device (SPD)
8. AC Distribution Box (ACDB)	Includes: MCCB / MCB protection Energy meter SPD protection Phase indication
9. Earthing and Lightning Protection	Minimum 4–5 earth pits Solar structure earthing Equipment earthing Inverter earthing Lightning arrester earthing Lightning arrester installed as per IS standards
10. Monitoring System	Digital monitoring system for: Solar generation data Battery status Voltage, current and power Fault indication
11. System Performance	Average Daily Generation: 240 – 270 kWh/day Plant Availability: ≥98% Performance Ratio: ≥75%
12. Installation and Commissioning	Scope includes: Site survey and system design Civil foundation work Installation of solar modules and structures Installation of inverter and battery bank Cable laying and termination Testing and commissioning
13. Environmental Conditions	Operating Temperature: –10°C to +55°C Humidity: Up to 95% RH Suitable for outdoor installation
14. Warranty	Solar Modules: 25 years performance warranty Inverter: 5-year warranty Battery: 5-year warranty Complete System: 5-year warranty

:-Installation: The seller shall include transportation, Installation, GST within the scope of supply.

:-Test Report: Availability of Test Report from Central Govt/NABL/ILAC/MNRE Accredited Lab or Competent Authority to Prove Conformity to Specification on Installation.

❖ **With included Annual Maintenance work, with no cost paid by the undersigned for maintenance work during 01st year maintenance after completion of warranty period and next year can be added to the cost for maintenance.**

❖ *Note: The 'Authority' reserves the right to accept/reject any or all tenders at any time without assigning any reason thereof and to reject the material if the same is not found conforming to the specifications, with further right to affect risk and cost of the purchases.*



**GOVERNMENT OF ODSHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT**

**OFFICE OF THE DEPUTY DIRECTOR,
SIMILIPAL NORTH WL DIVISION, JASHIPUR**

Last date of filling the tender: 13.03.2026 up to 1 PM
Date of opening of the technical Bid: 13.03.2026 at 03.30 PM

Signed
Photograph
of the
Tenderer

PART- A (TECHNICAL BID)

Tender for Supply, supply and installation of solar power system for different nature camps of Similipal north wildlife division, Jashipur in Mayurbhanj District of Odisha

1. Name & Address of the Agency/ Firm/ Dealer/Supplier (along with contact Nos., E-mail ID if any)	:	
2. Registration Number of the Agency/ Firm/ Dealer/ Supplier	:	
3. PAN No. (copy enclosed)	:	
4. GST No. & Period of clearance of GST (copy enclosed)	:	
5. Voter ID Card / Aadhaar Card (copy enclosed)	:	
6. Amount of EMD & DD/FDR No. & Date	:	
7. Cost of Tender Document details enclosed	:	
8. The name of manufacturer/ Makes/ Brand of the equipment with period of warrantee / guarantee which are to be utilized for commissioning	:	

"Certified that I have read the terms and conditions of tender appended with this form and I agree to the terms and conditions of the Tender Documents."

Place:

Signature of Tenderer

Date:



ଆମ ଶିମିଲିପାଳ
ଆମ ଗର୍ବ



OUR SIMILIPAL
OUR PRIDE

**GOVERNMENT OF ODSHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT**

**OFFICE OF THE DEPUTY DIRECTOR,
SIMILIPAL NORTH WL DIVISION, JASHIPUR**

PART- B (FINANCIAL BID)

Name of the work: Tender for Supply and installation of solar power system for different nature camps of Similipal North Wildlife Division, Jashipur in Mayurbhanj District of Odisha

Tender No.

Date:

Name & address of the Tenderer:

Telephone/ Mobile No. & Email ID:

Signed
Photograph
of the
Tenderer

Particulars	Quantity	Amount in Rs.
20 KILO WATT POWER GENERATING SYSTEM (Type-I)	01	
40 KILO WATT POWER GENERATING SYSTEM (Type-II)	01	
60 KILO WATT POWER GENERATING SYSTEM (Type-III)	01	
	Total:	

(Rupees _____) only

Place:

Date:

Signature of Tenderer

UNDERTAKING

It is certified that I/ my Firm/ Agency/ Company has never been blacklisted by any of the Departments/ Autonomous Institutions/Reputed Educational Institution/ PSUs of the Government of India or any other State Government and no criminal case is pending against the said firm/ agency as on _____.

Signature of the Tenderer

Name of the Signatory

Name of the Firm/Agency

Seal of the Firm/Agency

Place:

Date: