

# BAIF Institute for Sustainable Livelihoods and Development (BAIF Livelihoods)

BAIF-MITTRA Bhavan, Opp. Niwas Homes, Behind Bodhale Nagar, Nashik-Pune Road, Nashik 422011  
Telephone No. 0253-2416057/58, E-mail : [bisldpurchase.mh@baif.org.in](mailto:bisldpurchase.mh@baif.org.in)

## **Tender for Quotation for Bids for the Supply, Installation, Testing, Commissioning, and One Year Defect Liability Support of a 10 KW Hybrid Solar Solution.**

O. No. O.No.BISLD/NASHIK/ 1947/26

Date: 31/07/2026

You are invited to submit your most competitive quotation for the following product:

| Brief Description of the Product                                                                                    | Approx. Quantity required (No.) | Place of Delivery, Installation | Expected Month for Delivery /installation of Material |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|-------------------------------------------------------|
| Supply, Installation, Testing, Commissioning, and 1-Year Defect Liability Support of a 10 KW Hybrid Solar Solution. | 01 No.                          | Peint Campus, Dist. Nashik      | Oct-Nov. 2026                                         |
| Details Specification enclosed                                                                                      |                                 |                                 |                                                       |

### **Detailed Description of the Product 10 KW Hybrid Solar Solution. – As above**

#### **1. Quoted Price:**

- The Quotation shall be valid up to **31/10/2026** for the above described products.
- The bidder shall quote for goods/services in the format of the quotation attached.
- All duties, taxes, F.O.R. and other levies payable by the bidder shall be included in the goods/services and shall stand final.
- The rates quoted for each good/service shall be fixed for the duration of the validity of the quotation and shall not be subject to adjustment.
- Corrections if any, shall be made by crossing out, initialing, dating and rewriting.
- The prices shall be quoted in Indian Rupees only.
- The work quantity may vary.
- Estimate is subject to change in future Orders.
- Bidder has to mention location (s) of work where service can be provided.

#### **2. Each bidder must submit only one quotation. Bidder shall not contact other bidders in matters related to this Quotation.**

#### **3. Validity of quotations: The quotation shall remain valid up to 31/10/2026.**

#### **4. Evaluation of quotations:**

Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which are properly signed and confirm to the terms and conditions and specifications in the following manner.

- a. The evaluation will be done exclusive of GST.
- b. The evaluation would be done for all the goods/services put together. The items for which no rates have been quoted would be treated as zero and the total amount would be computed accordingly. We will award the contract to the responsive bidder whose total cost for all the items put together will be the lowest or best suited to the specifications/quality as decided by the Procurement Committee.
- c. Will compare terms & conditions and specifications.

**5. Award of contract:**

- a. Purchase will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest price as per Para 4 (b) above.
- b. Purchaser prior to the expiry of the validity period of the quotation will notify the bidder whose quotation has been accepted for award of contract. The terms of the accepted offer shall be incorporated in the Purchase Order or Work Order.
- c. Notwithstanding the above, the purchaser reserves the right to accept or reject any quotation, cancel the bidding process, and reject all quotations at any point of time before the award of the contract.

**6. Payment shall be made immediately within 15 days after delivery of goods.**

7. Normal commercial guarantee / warranty shall be applicable to the supplied goods and its installation.

**8. Cost of Procurement Processing:**

The bidder shall pay a "Tender Fee" of **Rs.500/-** only Bhim UPI VPA /QR Code through Detailed process is enclosed as Annexure. Prior to submission of Bid, Transaction No. and date are to be mentioned while submitting the bid/quotation.

**9. Earnest Money Deposit:**

EMD for this tender will be 2% of the total cost of the PO. BISLD Nashik will compare all the bids and the Purchase Committee will award the contract to the Selected Vendor. Selected Vendor will be informed of the selection for supply of goods/services by E-mail. Selected Vendor has to transfer the EMD amount within two working days and inform about the Transaction No. and date by return E-mail. After confirmation of EMD amount being deposited in BISLD Bank Account, BISLD will issue the Purchase Order/Work Order. In case of failure to pay EMD, BISLD Purchase Committee reserves the right to decide further course of action.

The same will be refunded (interest free) after obtaining the work completion report of the total scope of work or guarantee/warranty period, for at least one monsoon season period whichever is applicable. The earnest money shall be liable to be forfeited, if the successful bidder, after submitting the tender rescinds from or modifies the offer after acceptance of the tender.

After acceptance of Work Order/Purchase Order and payment of EMD, if work is not completed or material is not supplied within the validity period of the Work Order/Purchase Order, the Vendor will not be eligible for refund of EMD and will also not be eligible to participate in future tender process of BAIF for a period of one year.

**10. Submission of quotations:**

Sealed Envelope mentioning "**10 KW Hybrid Solar Solution**"– As above on it.

- Transaction No. and date for payment of tender fee.
- List of Similar Works Undertaken with details of clients etc. if any.
- **Last date of Submission is 14/08/2026** latest by 5:30 pm.
- The quotation must be submitted strictly in accordance with the specifications we have provided.
- Address: **Purchase Department, BAIF Institute for Sustainable Livelihoods and Development, BAIF-MITTRA Bhavan, Opp. Niwas Homes, Behind Bodhale Nagar, Nashik Pune Road, Nashik 422011**

11. Sealed Envelope mentioning "**10 KW Hybrid Solar Solution**" on it.

We look forward to receiving your quotations.

Yours sincerely



**(Dr. Raviraj Jadhav)**  
**Regional Director**  
**BISLD West Region**



Encl.: Format of Quotation

(To be printed on Pre-numbered Quotation format or if same is not available, then on Letterhead with unique number and date)

**FORMAT OF QUOTATION**

| Sr. No. | Description of Goods | Specifications                | Qty. | Unit | Quoted Unit Price | Total Amount |
|---------|----------------------|-------------------------------|------|------|-------------------|--------------|
|         |                      |                               |      |      |                   |              |
|         |                      |                               |      |      |                   |              |
|         |                      |                               |      |      |                   |              |
|         |                      | <b>Total</b>                  |      |      |                   |              |
|         |                      | <b>Taxes@ .....% (if any)</b> |      |      |                   |              |
|         |                      | <b>Grand Total</b>            |      |      |                   |              |

**Terms and Conditions:**

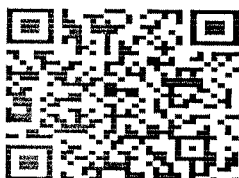
1. GST Number –
2. HSN Code-
3. Type of GST- Composite / Regular
4. Transport -
5. Validity of Quotation –
6. Warranty / Guarantee –
7. Expiry date of the material (wherever applicable) –
8. Days required to fulfil the order -
9. Damaged material will not be accepted.
10. Payment Terms –
11. MSME Registration – Yes/No
12. Manufacturer certificate – Yes/No

Signature with Stamp of Firm  
Name of Authorised signatory

**Annex 1 - Tender fees & EMD amount Collection**

1. This is to be used for payment from Scan QR Code of BHIM UPI Mobile App or any bank mobile app or Paytm or Google pay

ICICI Bank BHIM UPI QR Code



2. BHIM UPI VPA: bisld@icici

1. After making the payment, the vendor/bidder will receive an online receipt, as well as the Transaction No. as confirmation of payment
2. Vendor / Bidder has to inform the “Transaction No.” and “Amount” to the Purchase Dept. Nashik immediately through E-mail and also at the time of submitting the quotation in case of Tender Fee and before receiving PO / WO in case of EMD.

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Telephone No. 0253-2416057/58, E-mail: bisldpurchase.mh@baif.org.in

### Techno-Commercial Bid

Date- 31/07/2026

**Last Date of Submission: 14/08/2026**

### **NOTICE INVITING TENDER & BIDDING INFORMATION**

**Subject: Invitation for Bids for the Supply, Installation, Testing, Commissioning, and One ear Defect Liability Support of a 10 KW Hybrid Solar Solution.**

#### **1.0 DETAILED BID SCHEDULE (TENDER INFORMATION SHEET)**

| Sr. | Parameter                  | Details                                                                                                                                                                                                         |
|-----|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 | Name of Work               | Supply, Installation, Testing, Commissioning, and 1-Year Defect Liability Support of a 10 KW Hybrid Solar Solution.                                                                                             |
| 1.2 | Tender Type                | Firm Fixed-Price Turnkey Contract (One-Time Execution)                                                                                                                                                          |
| 1.3 | Completion Period          | The entire work must be successfully completed, synchronized, and commissioned within <b>three (3) months</b> from the date of issuance of the Work Order (WO).                                                 |
| 1.4 | Geographical Scope         | Peint Campus<br>Tal – Peint, Dist. Nashik                                                                                                                                                                       |
| 1.6 | Earned Money Deposit (EMD) | An amount equal to <b>2% of the total project cost</b> will be retained as security. This 2% will be released to the vendor only after the successful completion of the 12-month Defect Liability Period (DLP). |

#### **2. To become eligible, each bidder must satisfy the following;**

| SN. | Criteria         | Specific Requirement                                                                                                                   | Documents required                                                                         |
|-----|------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| A.  | Applicant Entity | Legal entities and duly registered firm under the Companies Act 1956/2013 or public/semi-public entities, which are financially sound. | Certificate of incorporation / registration<br>GST Registration Certificate<br>PAN details |

|    |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
|----|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B. | Technical                     | The Vendors shall have experience of having successfully carried out and completed similar works during the last 2 years ending last day of the previous month in which applications are invited.                                                                                                                                                                                                                                           | Work Completion certificate for similar nature of work (copy of work order and satisfactorily completion report)                                                                                                                            |
| C. | Financial                     | Net worth should be positive.<br>The bidder should submit the following,<br>I] Valid Income Tax Clearance Certificate<br>ii] Balance Sheet for the last 3 years.<br>iii] Profit & Loss account for the last 3 years<br>(*If not available, proper justification will have to be submitted.)                                                                                                                                                 | Proof of Income tax return, audited balance sheet and profit & loss account                                                                                                                                                                 |
| D. | Other Technical Requirements: | The bidder shall be fully equipped with the required Infrastructure & facilities as per scope of work.<br>The bidder shall have qualified & experienced manpower and skilled workers as per the scope of work.<br>The bidder shall provide training to 5 local persons and shall pay them for AMC and site survey.                                                                                                                          | Proof address; registered office and operational sites<br>List of available infrastructure and facilities at operational sites located all over INDIA<br>List of skilled staff with the company giving their experience and qualifications. |
| E  | Validity of quoted rates      | The quoted turnkey rates must remain <b>firm, fixed, and valid for a period of three (3) months</b> from the date of bid submission. Bidders are explicitly notified that this is a one-time project contract. Consequently, the finalized prices shall remain completely static throughout the entire execution period, and <b>no price revisions, market escalations, or cost adjustments shall be permitted under any circumstances.</b> | Price Bid Evidence                                                                                                                                                                                                                          |

### 3. How to apply:

Interested applicants who meet the pre-qualification criteria may furnish their tender with all the necessary documents in a sealed cover along with the covering letter duly signed by an Authorized signatory.

Requested to Submit the Proposal on or before **14/08/2026 upto 5.30 pm**

Applications received after date and time will not be considered for shortlisting. The request for the expression of interest has to be send to the following address:

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**ANNEXURE I****Part A -Tentative Bill of Materials and Technical Specification**

| Engineering Bill of Materials |                                      |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |
|-------------------------------|--------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|
| Sr. No                        | Description of Equipment / Component | Make                                               | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Qty.        |
| A                             | <b>Generation &amp; Storage</b>      |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |
| 1                             | Solar Modules                        | Luminous / Waaree / Adani / Jinko / Reputed Tier-1 | N-Type Mono-Crystalline / Topcon high-efficiency solar modules. Minimum individual module capacity shall be $\geq 550\text{Wp}$ up to $630\text{Wp}$ . Features an anti-reflective coating, a minimum module efficiency of 21.5%, a positive power tolerance, and a performance warranty minimum of 25 years                                                                                                                                                                             | Wp   | 11000 (Min) |
| 2                             | MC4 Connectors                       | NBJH / Reputed                                     | Standard outdoor weather-proof MC4 Connectors (Male-Female Pairs) suitable for UV-protected 4/6 Sq.mm solar DC cable termination.                                                                                                                                                                                                                                                                                                                                                        | Set  | 10          |
| 3                             | Solar Module Mounting Structure      | Reputed / Customized                               | High-grade Hot-Dip Galvanized (HDG) steel elevated mounting structure with a minimum ground clearance of 7 to 8 feet to allow complete utilization of the space underneath. Fabricated using heavy-duty MS columns, rafters, and purlins with a minimum galvanization thickness of 80 microns. Structure must be anchored securely via robust RCC foundation pedestals (M25 grade concrete) and structurally certified by an engineer to safely withstand wind velocities up to 150 km/h | Set  | 1           |

|                                |                                  |                                   |                                                                                                                                                                                                                                                                                                                                                                                           |     |   |
|--------------------------------|----------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 4                              | DC Distribution Box (DCDB) Panel | Reputed / Industrial Custom       | IP65/IP66 rated weatherproof Polycarbonate enclosure with integrated DIN rail, transparent inspection window, and pre-installed cable glands. Must be sized to cleanly house and isolate the DC Fuses, DC SPDs, and DC MCBs for the independent solar strings.                                                                                                                            | No. | 1 |
| 5                              | 3 Phase Hybrid Solar Inverter    | Growatt / Solis / Deye / Sungrow  | 10kW 3-Phase Low-Voltage (48V/51.2V) Hybrid Solar Inverter with built-in dual MPPT trackers, native Wi-Fi/GPRS remote monitoring system, IP65 weather-proof rating, and RS485/CAN communication bus interface for seamless low-voltage Lithium battery BMS integration.                                                                                                                   | No. | 1 |
| 6                              | Lithium Battery Bank             | Loom Solar / Deye / CAML / Dyness | Low-Voltage (48V/51.2V nominal) Stackable/Parallel LiFePO4 (Lithium Iron Phosphate) battery modules. Minimum 10kWh total usable storage capacity, equipped with an integrated intelligent Battery Management System (BMS) supporting standard cell balancing, over-charge/discharge protection, and a minimum 6,000 cycle life at 80% DOD. Available with rack mount or wall mount types. | Set | 1 |
| <b>B AC Distribution Panel</b> |                                  |                                   |                                                                                                                                                                                                                                                                                                                                                                                           |     |   |
| 7                              | AC Distribution Box Panel        | Reputed / Industrial Custom       | IP65 rated dust and weatherproof polycarbonate/sheet-metal enclosure to house all internal AC breakers, distribution rails, and auxiliary indicators.                                                                                                                                                                                                                                     | No. | 1 |
| 8                              | AC MCB                           | Schneider / Siemens / Reputed     | 4-Pole AC MCB to safely handle and isolate the 10-kW continuous output per phase.                                                                                                                                                                                                                                                                                                         | No. | 1 |
| 9                              | RCCB                             | Schneider / Siemens / Reputed     | 4-Pole Residual Current Circuit Breaker (RCCB)                                                                                                                                                                                                                                                                                                                                            | No. | 1 |



|                                                                                    |                        |                                   |                                                                                                                                                                                              |     |    |
|------------------------------------------------------------------------------------|------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 10                                                                                 | SPD                    | SE/LK/Reputed                     | 3-Phase + Neutral (4-Pole) AC Surge Protective Device, Type-II, 415V class rating for transient grid surge containment.                                                                      | No. | 1  |
| 11                                                                                 | Changeover Switch      | SE/LK/Reputed                     | By Pass Change Over 4P, 63A                                                                                                                                                                  | No. | 1  |
| <b>C Cabling System (Note: Cable lengths are tentative estimates for bidding.)</b> |                        |                                   |                                                                                                                                                                                              |     |    |
| 1                                                                                  | Solar DC String Cable  | Polycab / KEI / Finolex / Reputed | UV cable - 4/6 Sq mm - 1 core copper                                                                                                                                                         | Mts | 40 |
| 2                                                                                  | Inverter to Battery    | Polycab / KEI / Finolex / Reputed | Single-Core flexible copper cable with heavy rubber insulation to safely handle continuous high-amperage battery charging/discharging loops without voltage drops.                           | Mts | 25 |
| 3                                                                                  | Inverter to ACDB       | Polycab / KEI / Finolex / Reputed | 6 Sq.mm or 10 Sq.mm 4-Core Aluminum ARMOURED Cable (XLPE insulated, PVC sheathed) for ruggedized, outdoor/wall-mounted structural runs between Inverter, ACDB, and Main Grid Panel.          | Mts | 60 |
| * Note: Cable lengths are tentative estimates for bidding.                         |                        |                                   |                                                                                                                                                                                              |     |    |
| <b>D Earthing, Safety &amp; Fitting Accessories</b>                                |                        |                                   |                                                                                                                                                                                              |     |    |
| 1                                                                                  | Lightening Arrestor    | Reputed                           | Solid Copper multi-spike conventional Lightning Arrestor complete with base plate mounting assembly for high-altitude roof protection.                                                       | No. | 1  |
| 2                                                                                  | Main Earthing Down-Run | Polycab / KEI / Finolex / Reputed | 25x3 mm Hot-Dip Galvanized (HDG) Iron Flat Strip OR 10 Sq.mm Single-Core Green PVC Insulated Flexible Copper Earthing Cable for connecting Equipment / Structures to Chemical Earthing Pits. | Mts | 40 |

|          |                                                 |                                  |                                                                                                                                                                                                                                                                                                                  |     |   |
|----------|-------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 3        | Chemical Earthing Pits                          | Reputed                          | Maintenance-free Chemical Earthing Pits (1200mm,25mm Dia mild steel Rod Electrode core and dual-component grounding Backfill Compound mix).                                                                                                                                                                      | No. | 4 |
| 4        | Fire Protection Units                           | Reputed                          | Portable fire extinguishers complete with wall-mounting wall brackets                                                                                                                                                                                                                                            | No. | 2 |
| 5        | Roof Walkway & Maintenance Access               | Reputed                          | Roof safety maintenance structural units including heavy-duty walkways, structural ladder access, and specialized life-line anchorage wires as per layout site conditions.                                                                                                                                       | LS  | 1 |
| 6        | Cable Lugs & Terminal Pins                      | Dowells / Braco / Reputed        | Heavy-duty, tinned-copper and bi-metallic terminal lugs (Pin, Ring, and Fork types) manufactured as per DIN/IEC standards. Sizing must exactly match all AC, DC, and earthing cable cross-sections used in the project, complete with matching PVC insulating sleeves/boots.                                     | Lot | 1 |
| 7        | Balance of System Accessories                   | Reputed                          | Supply and installation of miscellaneous balance of system (BOS) fitting accessories—including HDG/aluminum cable trays with covers, UV-resistant ties, alphanumeric cable ferrules, GI/SS fasteners, heavy-duty PVC/GI conduits, PU Foams, earthing caps, weather-proof canopies, and hazard/safety signboards. | LS  | 1 |
| 8        | Solar Module Cleaning Brush System              | Kenbrook / Zoom Solar / Tomahawk | Water-fed cleaning system featuring an extendable telescopic handle (min 20ft), soft non-scratch nylon brush head, and quick-connect water coupling.                                                                                                                                                             | No. | 1 |
| <b>E</b> | <b>Utility Metering &amp; Project Execution</b> |                                  |                                                                                                                                                                                                                                                                                                                  |     |   |
| 1        | Generation Meter                                | LK/Secure / HPL / Discom App.    | Generation Meter should be matching local state grid inspection recording protocols.                                                                                                                                                                                                                             | No. | 1 |
| 2        | Net Metering                                    | Discom App.                      | Net Meter should be matching local state grid inspection recording                                                                                                                                                                                                                                               | No. | 1 |

|   |                                             |                     |            |                                                                                                                                                                                                                                                                                                                                                            |       |
|---|---------------------------------------------|---------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|   |                                             |                     | protocols. |                                                                                                                                                                                                                                                                                                                                                            |       |
| 3 | Liaisoning<br>Charges                       | & State<br>Approved | Utility    | Formal processing of net-meter application documentation, coordination of local utility (Discom) laboratory calibration testing, field inspection tracking, and formal net-metering synchronization.                                                                                                                                                       | No. 1 |
| 4 | Installation<br>Commissioning               | & Reputed           |            | Complete mechanical assembly of structures, mounting of solar modules, routing and termination of all AC/DC/Earthing cables, installation of inverters/distribution panels, pre-commissioning testing, system synchronization, and commercial plant commissioning. including submission of As-Built drawings, test reports, and OEM warranty certificates. | Job 1 |
| 5 | Civil                                       | standard            |            | Execution of all civil works including design and casting of concrete anchor foundation blocks (pedestals/mud-phadi) on the roof, curing, water-proofing treatment around anchors, hacking, masonry work, and surface restoration to ensure structural stability against 150 km/h wind loads.                                                              | Job 1 |
| 6 | Transportation &<br>Logistics               | Installer           |            | Safe transit, handling, on-site heavy equipment offloading, and storage security of all components up to the installation layout boundaries.                                                                                                                                                                                                               | No. 1 |
| 7 | Defect Liability<br>Period (DLP)<br>Support | Installer           |            | Comprehensive onsite warranty and rectifications for all installation defects, loose connections, and workmanship errors for a period of 12 months from the date of successful commissioning.                                                                                                                                                              | No. 1 |

#### B. Other Terms & Project Requirements (Section 1 to 5)

## SECTION 1: BIDDER ELIGIBILITY & PRE-QUALIFICATION CRITERIA

1. **Statutory Registrations:** The Vendor must possess a valid corporate registration certificate, GST registration, and Permanent Account Number (PAN). Legally valid, duly signed and stamped copies of each document must be submitted along with the Technical Bid.
2. **Financial Turnover:** The Bidder must have achieved a minimum average annual financial turnover of **₹50 Lakhs (Rupees Fifty Lakhs Only)** during the previous three (3) consecutive financial years. Audited balance sheets and profit & loss statements must be attached as proof.
3. **Technical Experience:** Bidders must possess a minimum of **two (2) years of active operational experience** in the successful turnkey engineering, supply, and installation of similar solar power systems. Verified copies of past work orders and matching client completion certificates must be provided.
4. **Mandatory Documentation & Technical Datasheets:** Submission of complete manufacturer technical data sheets, brochures, and valid testing certificates matching the project specifications for the Solar PV Modules, Hybrid Inverters, and Lithium Batteries is strictly mandatory. Bidders must also enclose a comprehensive electrical Single Line Diagram (SLD) of the system layout.
5. **Capacity Guarantee:** The component capacities specified in the technical specifications for the Solar PV Modules and Lithium Battery Storage represent absolute baseline minimum thresholds. Any downward technical deviation or delivery falling below these specified metrics will result in immediate, non-negotiable material rejection and complete technical disqualification.

## SECTION 2: SITE ASSESSMENT & TECHNICAL SPECIFICATIONS

6. **Tentative BOQ Framework & Site Pre-Visit:** The tentative Bill of Materials (BOM) / Bill of Quantities (BOQ) provided in Annexure I represents the baseline minimum configuration for the project. Bidders must note that actual field layout paths, structural elevation routing, and exact physical lengths for cabling, conduits, or earthing accessories may vary based on localized field conditions. It is a mandatory prerequisite that the bidder conducts a thorough on-site pre-visit to ascertain the exact layout and engineering variables before submitting their bid. No claims for financial escalation, price variations, or supplementary work orders arising from a lack of site familiarity shall be entertained by the Owner under any circumstances.
7. **Compliance with Approved Makes & Substitutions:** All equipment, active components, and structural accessories supplied under this contract must strictly adhere to the specific makes, brands, and models designated in the technical specifications. The deployment of unapproved brands or alternative manufacturers is strictly prohibited. If a specified make becomes completely unavailable due to documented market supply constraints, the contractor must formally submit a comprehensive technical justification along with comparative evaluation data sheets to the Owner. The vendor shall not procure, dispatch, or install any alternative components without obtaining explicit, prior written technical clearance from the designated Engineer-in-Charge. Delivery of unapproved components will lead to immediate rejection of the materials at the vendor's sole risk and cost. Specifically for the inverter, solar panels, and batteries, the vendor must provide only the exact approved makes matching the technical details submitted in the bid.
8. **Remote Monitoring System (RMS):** The hybrid inverter must feature a real-time remote monitoring module connected to the site's local Wi-Fi network. The vendor is responsible for testing the Wi-Fi signal during their site pre-visit and completing all cloud portal setup so the owner can track generation, loads, and battery status at no extra cost.

9. **Comprehensive Technical Compatibility & Performance Indemnity:** The EPC Vendor shall assume sole, end-to-end responsibility for the absolute technical compatibility and synchronized operation of the low-voltage (LV) hybrid inverter, stackable low-voltage Lithium battery bank, integrated management system (BMS), distributed protection panels, and protective switchgear. Any technical challenges, firmware mismatches, voltage-drop corrections, component shortages, or communication errors discovered during engineering design, site execution, or testing must be resolved, bypassed, or upgraded to an equivalent or superior configuration by the Vendor strictly at their own cost. No deviations, oversights, or performance deficiencies shall be entertained, and no extra financial claims or variations shall be permitted by the Owner.
10. **Execution Manpower & Training:** The installation, testing, and commissioning of the equipment shall be carried out exclusively by competent engineers and skilled technicians deployed by the Turnkey Tenderer at the designated work site. During the commissioning loop, the Tenderer's engineers shall impart necessary operational training to the Owner's designated personnel covering system operations, troubleshooting, and daily servicing to the level of clear adoption. No separate charges will be paid by the Owner for these services.
11. **Strict Workmanship Standards, Occupational Safety, and Mandatory PPE Compliance:** The Vendor guarantees that all engineering activities—including structural steel welding, mechanical anchoring, roof waterproofing treatments, high-voltage electrical terminations, and cable dressing—shall be executed to the highest industry standards by certified, competent professionals. The Vendor must ensure that 100% of their on-site engineering crew, technicians, and labourers are equipped with and actively utilize certified personal protective equipment (PPE) including industrial high-visibility jackets, steel-toe safety shoes, shock-resistant electrical gloves, and full-body safety harnesses with double-lifeline lanyards securely anchored during all elevated rooftop activities. The Vendor is solely responsible for establishing secure cordons, safety signage, and physical barricades around material lifting zones and excavation pits. The Owner maintains a zero-tolerance policy for safety violations; any hazardous shortcuts or personnel working without mandatory PPE will result in an immediate operational halt, and the Vendor shall fully indemnify the Owner against all legal claims, medical liabilities, and statutory penalties arising from any on-site mishaps, injuries, or fatalities.
12. **Hybrid Backup Power and Essential Load Routing:** As the system is a hybrid solution, it must provide uninterrupted backup power to designated essential loads within the campus during grid failures. The Vendor is responsible for identifying the essential circuits and performing only the necessary modifications within the existing main distribution panels or switchgear to route these specific lines to the hybrid inverter backup output. Full rewiring of the campus is explicitly excluded from the vendor's scope.

### **SECTION 3: TESTING, QUALITY CONTROL & REJECTION**

13. **Regulatory Quality Frameworks:** The goods supplied and works executed under this turnkey contract shall conform strictly to the latest regulatory guidelines of the Ministry of New and Renewable Energy (MNRE), the Bureau of Indian Standards (BIS), or the Indian Standards Institution (ISI). The Bidder shall submit all valid factory test certificates and laboratory reports for systems and components accordingly, and only components exactly matching these approved test reports shall be supplied.
14. **Material Quality Verification:** All materials required for the execution of the work must be brand new, unused, and conform to applicable standard engineering specifications. All components must be formalised and approved by the Engineer-in-Charge before actual deployment on site. Commencement of work without prior approval shall be entirely at the risk and cost of the Vendor. No project delays

due to non-availability of baseline materials, tools, or installation equipment will be entertained. The Engineer-in-Charge reserves the right to inspect machinery and equipment for approval before they are permitted on-site.

15. **Right to Inspect and Test:** The Owner or an appointed independent inspection agency shall be entitled at all times, at the risk of the Vendor, to inspect and test all materials, items, and components proposed for supply, whether during the course of manufacture at the vendor's workplace or directly at the construction site.
16. **Cost of Quality Audits:** General inspection and testing shall be conducted entirely at the expense of the Vendor. However, if a third-party/independent laboratory test is ordered by the Owner and the materials successfully pass the specified quality standards, the structural costs of such third-party testing shall be borne entirely by the Owner. If the components fail, all audit costs fall on the vendor. The Vendor must furnish specifications, contract agreements, and adequate physical samples of material intended for incorporation in the works to the Engineer-in-Charge for approval before work commences.
17. **Absolute Right of Rejection:** The Engineer-in-Charge shall be entitled to reject, at any point of time during execution, assembly, or testing, any defective materials, items, or components (including specialty manufactured or fabricated structures) supplied by the Vendor.
18. **Verification of Minimum Requirements:** During testing, commissioning, and final handover, all items will be physically verified against the Minimum Technical Requirements specified in the Annexures I. The system will not be accepted if any component falls below these stated minimum performance or material standards.

#### **SECTION 4: COMMERCIAL TERMS & PAYMENTS**

15. **Turnkey All-Inclusive Rates:** The basic rates offered by the Bidder/Tenderer will be fixed and inclusive of all license fees, royalties, octroi, interstate transit levies, labour costs, construction materials, engineering tools, machinery, plant assets, and the water or power required for the satisfactory completion of the work. GST must be declared separately as per Clause 16.
16. **GST Declaration:** The Bidder must clearly mention in their financial bid schedule whether the quoted turnkey rates include GST or exclude GST, along with specifying the exact applicable GST rate in percentage (%).
17. **Fixed Quantity Variation Capping:** The quantity mentioned in the Schedule of Work/Price Bid is indicative of baseline site design. The selected vendor shall ascertain the exact quantities required through their site pre-visit and obtain formal approval from the owner prior to dispatch. As this is a fixed turnkey single project, the unit rates finalized shall remain fixed and firm for quantity variations up to of the total contract value. Any variation extending beyond based on critical design modifications shall be subject to a mutual written rate amendment and a supplementary work order before execution.
18. **Payment Payout Terms:** All payments for the turnkey project will be released as a single lump sum only after satisfactory completion of all engineering works, successful grid synchronization, Discom net-metering validation, and formal physical inspection and sign-off by the Owner's designated engineer at the project site.
19. **Single Vendor Tender Award Right:** The authority for the final acceptance of the tender rests entirely with the organization. It shall not be obligatory to accept the lowest tender, and no bidder shall demand written explanations regarding the cause of rejection of their proposal. The competent

authority reserves the absolute right to award the entire turnkey execution package to a single qualified bidder to maintain the performance indemnity outlined in Clause 8.

20. A bidder shall submit only one tender. Submission of multiple tenders by the same party, either directly or under different names, affiliates, or joint ventures, will result in the immediate rejection and disqualification of all bids submitted by that party.

## **SECTION 5: TIMELINES, PENALTIES & WARRANTY**

20. **Project Completion Period:** The strict time schedule for the total turnkey scope of work according to the contract shall be a maximum of **three (3) months** from the date of issuance of the formal Work Order (WO).
21. **Liquidated Damages for Delay:** The organization reserves the right to impose a financial penalty for any unexcused delays in completion. The penalty amount shall be **₹300.00/day** per delayed day beyond the 3-month completion window, capped at a maximum of 10% of the total contract value. Penalties will be waived only in documented instances of force majeure, natural calamities, or regional law & order disturbances.
22. **Defect Liability Period (DLP):** The comprehensive site maintenance and defect liability period will be **12 months** from the date of satisfactory completion, grid commissioning, and final engineering sign-off of the project. If any component failure, engineering flaw, or workmanship defect is discovered within this 12-month window, the vendor shall immediately repair or replace the components free of cost. The vendor shall not claim any financial amount for localized repair works, component transits, or structural servicing during this period.
23. **Emergency Service Timelines:** For timely rectification of defects during the warranty and defect liability period, the seller must complete the required service / engineering rectification within **48 hours for minor issues** and within **72 hours for major structural breakdowns** from the time of receiving formal written/email notification from the owner.
24. **Site Safety Indemnity:** In the case of any operational mishaps, personnel injuries, structural site damage, or statutory violations of local state labour laws occurring during the transit, unloading, assembly, or testing of the system, the entire legal and financial responsibility will rest solely and exclusively with the Vendor.
25. **Settlement of Disputes:** Any dispute arising out of or in connection with this contract shall be settled amicably through mutual discussions. Failing an amicable settlement, the dispute shall be referred to arbitration under the Indian Arbitration and Conciliation Act, and the legal jurisdiction for all proceedings shall be Pune, Maharashtra, India.

**UNDERTAKING**

Date: \_\_\_\_\_

To

\_\_\_\_\_

**Ref: Tender notice: BISLD/Solar for Peint Campus /July-Aug 01/2026-27**

**Date- 31/07/2026**

**Last Date of Submission: 14/08/2026**

**Supply, Installation, Testing, Commissioning, and 1-Year Defect Liability Support of a 10 KW Hybrid Solar Solution.**

**Dear Sir,**

In response to the tender invited by you, I/We have examined the notice, conditions, specifications and terms of the Tender and I/We agree to abide by all the instructions in these documents attached hereto and hereby bind myself/ourselves to execute the work as per the schedule stipulated in the tender notice.

I/We further agree to sign and execute all agreements/bonds as may be required by BAIF to abide by all conditions of the Tender and to carry out all work as per specifications, failing which, I/We shall have no objection for the forfeiture of the security money deposited with BAIF.

I / We also undertake that I / We have not been blacklisted by any entities any time.

I / We enclose herewith the required documents.

Yours sincerely

Signature of bidder with seal

Encl.:

1. Techno-commercial bid with supporting documents
2. Price bid
3. Requested Technical Documents