

**BAIF Development Research Foundation, Pune**  
**Techno-Commercial Bid**

**Tender Notice: BAIF-BISLD/Solar Street Light/June 01/2026-27**

**Date- 17/06/2026**

**Last Date for Submission: 30/06/2026**

**NOTICE INVITING TENDER & BIDDING INFORMATION**

**Subject: Invitation for Bids for a Two (2) Year National Rate Contract for the Supply, Installation, Commissioning, and 3-Year Comprehensive Maintenance of Solar Street Lighting Systems across 18 States and 4 Operating Regions in India.**

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

| SN  | Parameters                        | Details                                                                                                                                                         |
|-----|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 | <b>Name of Work</b>               | Supply, Erection, Testing, Commissioning, and Comprehensive AMC (3 Years) of Solar Street Lights under a Fixed Rate Contract.                                   |
| 1.2 | <b>Tender Type</b>                | National Competitive Bidding (NCB) – Two-Part Bid System (Technical & Financial)                                                                                |
| 1.3 | <b>Contract Period</b>            | Two (2) Years (Rate Contract valid for final order placement from date of signing).                                                                             |
| 1.4 | <b>Geographical Scope</b>         | 18 States mapped across 4 Operating Regions (North, South, East, West) within BAIF's rural development network (The number of States may increase or decrease). |
| 1.5 | <b>Estimated Quantity</b>         | Multi-delivery orders released on an <i>as-required basis</i> via individual subsequent Work Orders (WOs) over 24 months.                                       |
| 1.6 | <b>Earned Money Deposit (EMD)</b> | The selected vendor has to pay ₹1,50,000/- (Rupees One Lakh Fifty Thousand Only) via NEFT/RTGS or Bank Guarantee (Exempt for registered MSMEs/NSIC).            |

**2. To become eligible, each bidder must satisfy the following requirements:**

| <b>SN</b> | <b>Criteria</b>               | <b>Specific Requirements</b>                                                                                                                                                                                                                                                                                       | <b>Documents Required</b>                                                                                                                                                                                                                   |
|-----------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 3 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 tender is valid for two years.<br>The quoted rates must remain fixed for the entire two-year period.<br>Rate revisions will only be considered if all selected vendors submit valid proof of increase in cost exceeding 5%, supported by appropriate documentation.                                            | Price Index Evidence<br>Supplier Invoices (Pre and Post)<br>Cost Comparison Sheet<br>Justification Letter from Vendor                                                                                                                       |

**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 Authorised signatory.

Requested to Submit the Proposal on or before 30/06/2026 at 5.00 pm.

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

Mr. Roshan Ahire/Mr. Mahesh Lade

**Mobile No. Numbers +91 7387905413 +91 8459205353**

**BAIF Development Research Foundation**

**BAIF Bhavan, Dr. Manibhai Desai Nagar, Warje, Pune 411058**

**Telephone No. 020-25231661 E-mail: roshan.ahire@baif.org.in**

#### **4. Disclaimer:**

- a. Multiple qualifying and capable parties will be selected for executing the work as per the given scope of work.
- b. Only shortlisted Bidders will be contacted for further negotiation.
- c. Nothing in the advertisement shall be construed as a commitment from BAIF. BAIF does not guarantee to proceed further than the Tender; this invitation for tender is neither an agreement nor an offer for award of work.
- d. For initial work, the orders will be equally divided between all the selected parties and on the basis of quality of work and feedback from the field, BAIF can increase or decrease the volume of orders assigned to a particular party.

## ANNEXURE I

### Technical Specification for Solar Street Lighting System

#### Model 1 and Model 2

#### A. Technical Sheet

| Technical Parameters                    | Model 1: MID-RANGE                                                 | Model 2: HIGH-PREMIUM                                          |
|-----------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|
| <b>1. POLE DIMENSIONS &amp; DESIGN</b>  |                                                                    |                                                                |
| Height Above Ground Level (AGL)         | 5.5 Meters to 6.0 Meters Visible                                   | 7.0 Meters Exactly Visible                                     |
| Anchor Bolt Embedment Depth             | 500 mm deep into concrete                                          | 600 mm deep into concrete                                      |
| Civil Foundation Depth (Concrete Block) | 1.0-Meter-Deep Pit                                                 | 1.2-Meter-Deep Pit                                             |
| Pole Geometry & Base Shaft              | Tubular / Round Cylindrical (IS 1161 / IS 2713 Grade YSt 240 Steel | Tapered Octagonal (IS 2062 Grade E250 Steel)                   |
| Sheet Thickness                         | Minimum 3.0 mm uniform thickness                                   | Minimum 3.0 mm uniform thickness                               |
| Diameter Matrix                         | Top: 76 mm OD   Base: 114 mm OD (Nominal Bore Pipes).              | Top: 75 mm   Base: 150 mm Across Flats                         |
| Base Plate Size                         | 200 mm × 200 mm × 10 mm thick                                      | 220 mm × 220 mm × 16 mm thick (with gussets)                   |
| Anti-Corrosion Protection               | Hot-Dip Galvanised (HDG) via IS 2629 / 4759 Standards              | Hot-Dip Galvanised (HDG) via IS 2629 / 4759 Standards          |
| Zinc Coating Film Thickness             | Minimum 65 Microns average                                         | Minimum 85 Microns average                                     |
| Wind Speed Resistance                   | Minimum 150 km/h structural survival (as per IS 875 Part 3)        | Minimum 180 km/h structural survival with gusset reinforcement |
| Bracket Material                        | Steel / HDGI                                                       | Steel / HDGI                                                   |
| <b>2. LED STREET LIGHT FIXTURE</b>      |                                                                    |                                                                |
| System Light                            | 18 Watts                                                           | 30 Watts                                                       |
| LED Chip Brand Integration              | Philips Lumileds / Osram / Cree / Nichia / Reputed                 | Philips Lumileds / Osram / Cree / Nichia / Reputed             |
| Luminous Efficacy Matrix                | Minimum 150 Lumens per Watt                                        | Minimum 170+ Lumens per Watt                                   |
| Total Luminous Flux Yield               | ~2,700 Lumens Output                                               | ~5,100 Lumens Output                                           |
| Enclosure Waterproof Integrity          | IP66 Rated                                                         | IP67 & IK08 Rated.                                             |
| <b>3. SOLAR PV</b>                      |                                                                    |                                                                |
| Cell Integration Type                   | Mono-Crystalline Silicon                                           | Mono-Crystalline PERC                                          |
| Peak Panel Capacity (Pmax)              | 75 Watts                                                           | 120 Watts                                                      |
| Module Performance Efficiency           | ≥ 19.5%                                                            | ≥ 21.5%                                                        |
| Orientation Mechanics                   | Single-Axis Manual Vertical Tilt (0° to 60°)                       | Dual-Axis 360° Omnidirectional Tilt & Rotate                   |
| <b>4. STORAGE &amp; MANAGEMENT</b>      |                                                                    |                                                                |
| Battery Chemistry Formulation           | Lithium Iron Phosphate (LiFePO4)                                   | Lithium Iron Phosphate (LiFePO4) [4]                           |
| Storage Energy                          | 12.8V, 30 Ah (384 Wh)                                              | 12.8V, 48 Ah (614.4 Wh)                                        |

|                                           |                                                |                                                    |
|-------------------------------------------|------------------------------------------------|----------------------------------------------------|
| Life Cycle Capacity                       | ≥ 2,000 cycles at 80% Depth of Discharge [4]   | ≥ 3,000 cycles at 80% Depth of Discharge [4]       |
| Charge Regulation Topology                | Smart Intelligent Pulse Width Modulation (PWM) | True MPPT Processing Engine (≥99% Tracker)         |
| <b>5. SMART AUTOMATION &amp; LIFESPAN</b> |                                                |                                                    |
| Environmental Sensor Engine               | Autonomous Dusk-to-Dawn Timer Control          | Microwave Radar Motion Sensor (Thermal-immune) [4] |
| Central Remote Utility                    | None (Standalone Smart Automation)             | Optional For RMS                                   |
| System Backup Autonomy                    | 1.5 to 2 Full Nights without solar input       | 3 to 4 Full Nights Minimum Guaranteed              |
| Design Life Horizon                       | 5 to 6 Years                                   | 8 to 10+ Years                                     |

## B. Other Terms

| SN  | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Vendor Response |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1   | <b>Scope:</b><br>Supply, Installation & Commissioning of family Solar Street lamps with supply, installation, commissioning and after sale service.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |
| 2   | <b>Locations:</b><br>Rajasthan, Uttar Pradesh, Uttarakhand, Karnataka, Telangana, Andhra Pradesh, Tamil Nādu, Bihar, Odisha, Chhattisgarh, Jharkhand, Maharashtra, Gujarat, Madhya Pradesh, Goa, West Bengal, Himachal Pradesh, Panjab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |
| 2.1 | <b>Quantity required:</b><br>Orders will be released to the selected-on requirement basis for next two years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |
| 2.2 | <b>TECHNICAL SPECIFICATIONS FOR SOLAR STREET LAMPS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |
| 2.4 | <b>Installation &amp; commissioning:</b><br>Installation and commissioning of solar street lamps to be done by the company/manufacturer's authorized and trained personnel. Vendor should ensure that each component should be transported by the vendor at respective locations and ensure complete installation, inclusive in the cost as quoted in the tender.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |
| 3   | <b>Warranty &amp; Guarantees:</b> <ul style="list-style-type: none"> <li>• The complete street lighting system (including the battery, LED fixture, and driver) will be warranted for an absolute period of five (5) years from the date of supply/commissioning for mal-functioning, manufacturing defects, bad workmanship, improper installation etc.</li> <li>• The PV module(s) will be warranted for a minimum period of 25 years from the date of supply.</li> <li>• The PV modules must carry an official OEM performance guarantee for their output peak watt capacity, which should not be less than 90% at the end of Ten (10) years and 80% at the end of Twenty-five (25) years.</li> <li>• The official printed Warranty Card to be supplied with every system must contain the full component serial details of the system.</li> </ul> |                 |
| 4   | <b>Annual Maintenance Contract (AMC) &amp; Cleaning:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |

| SN   | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Vendor Response |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|      | <ul style="list-style-type: none"> <li>The vendor shall provide a minimum of 3 years AMC from the date of commissioning covering complaint redressal visits within 48 hours and on-site parts replacement.</li> <li>The vendor shall ensure that the trained local persons clean the solar glass face once a month, monitored via a maintenance log.</li> <li>Basic training to local person for repair maintenance and troubleshooting should be provided by the vendor (minimum 2 persons for each 100 units).</li> <li>Extra set of spares and material with a complete maintenance tool kit should be handed over to the local trained person.</li> <li>Appropriate payment (mutually agreed) must be made by the vendor to the local person for any installation, repair or maintenance work done.</li> </ul> |                 |
| 4.1  | <b>Required civil work and pit digging under vendor's scope:</b> <ul style="list-style-type: none"> <li>Model 1 (6-Meter Pole): Excavation and casting of pit depth of 1.0 meter.</li> <li>Model 2 (7-Meter Pole): Excavation and casting of pit depth of 1.2 meters.</li> <li>All civil works must use high-strength M20 Grade concrete mix (1:1.5:3 ratio). Erection of the pole is permitted only after a mandatory 7-day concrete curing window.</li> </ul>                                                                                                                                                                                                                                                                                                                                                    |                 |
| 4.2  | <b>Mandatory Factory Test Reports &amp; Certificates:</b> <p>The vendor must submit the following official documentation prior to dispatch/hand over:</p> <ul style="list-style-type: none"> <li>Solar Panels Testing Certificate: OEM Flash Test reports along with IEC 61215/61730 certifications.</li> <li>Pole HDGI Quality Report: Mill test report confirming hot-dip galvanization thickness (minimum 65 microns for Option 1; minimum 85 microns for Option 2 as per IS 2629 / BS EN ISO 1461).</li> <li>LED Luminaire Test Certificate: Certified optical laboratory reports including official IESNA LM-79 and LM-80 lifetime data.</li> <li>Battery Test &amp; Safety Certificate: Factory cycle capacity test records alongside UN38.3 transport safety clearance and IEC 62133 compliance.</li> </ul> |                 |
| 4.18 | <b>Qualifying conditions:</b> <p>Training to local person for Installation &amp; repair maintenance. Provide extra spares and toolkit to the locally trained persons. Appropriate payment for Installation, Annual maintenance contract and for repair and maintenance to local person. Share the required prerequisites to BAIF team if any. Work must be completed within Two Month from the date of issuing the work order to ensure proper civil curing.</p>                                                                                                                                                                                                                                                                                                                                                   |                 |
| 5.1  | <b>1. ELECTRONICS</b> <p>The total electronic efficiency should be at least 90 %.</p> <p>Charge Controller: Type must be Smart Intelligent PWM for Option 1, and True MPPT Type for Option 2 (Cloud RMS tracking node on Option 2 is strictly Optional).</p> <p>Electronics should operate at an appropriate voltage suitable for proper charging of the battery.</p> <p>No Load current consumption should be less than 20 mA.</p> <p>The PV module itself should be used to sense the ambient light level for switching ON and OFF the lamp.</p> <p>The PCB containing the electronics should be capable of solder-free installation and replacement.</p>                                                                                                                                                        |                 |
| 5.2  | <b>2. ELECTRONIC PROTECTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |

| SN  | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Vendor Response |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|     | Adequate protection is to be incorporated under “No Load” conditions. The system should have protection against battery overcharge, deep discharge, short circuit, reverse flow of current through the PV module, and battery reverse polarity. Load reconnect should be provided at 80% of the battery capacity status.                                                                                                                                                                                                                                                                                                                                              |                 |
| 5.3 | <b>3. BATTERY</b><br>Option 1 (6-Meter System): Lithium Iron Phosphate (LiFePO4) Battery Pack — Minimum 12.8V, 30 AH capacity (384 Wh Stored Energy).<br>Option 2 (7-Meter System): Lithium Iron Phosphate (LiFePO4) Battery Pack — Minimum 12.8V, 48 AH capacity (614.4 Wh Stored Energy).<br>Battery pack should have a proper ‘Battery Management System’ (BMS) for cell balancing, over-charge, and over-temperature protection. Conforming to latest BIS/International standards.<br>Battery must be included inside the luminaire enclosure, which should be waterproof (IP66 for Option 1; IP67 & IK08 Vandal-Resistant for Option 2) and corrosion-resistant. |                 |
| 5.4 | <b>4. LIGHT SOURCE &amp; DIMMING LOGICS</b><br>The light source will be a white LED type (5500°K–6500°K). Constant light output throughout the duty cycle. Housing suitable for outdoor use. Heat sink temperature rise $\leq 20^{\circ}\text{C}$ above ambient.<br>Option 1 (18W LED) Dimming: 4 Hours at 100% → 4 Hours at 50% → 30% power output until Dawn.<br>Option 2 (30W LED) Dimming: Uses a thermal-immune Microwave Radar Motion Sensor (Runs at 20% Standby Eco-saving flux, scaling up instantly to 100% full brightness upon motion trigger, resetting back to 20% after 30 seconds idle).                                                              |                 |
| 5.5 | <b>5. PV MODULE</b><br>Indigenously manufactured crystalline silicon solar cells. Must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IECQ accredited Laboratory.<br>Model 1 Panel Capacity: Minimum 75 Wp output under STC.<br>Model 2 Panel Capacity: Minimum 120 Watts Mono-PERC output under STC (Efficiency $\geq 21.5\%$ ).<br>Nameplate fixed inside the module giving Manufacturer Name, Model, Serial Number, Year of manufacture, and an NSM-engraved or screen-printed frame sequence code.                                                                                                                  |                 |
| 5.6 | <b>6. UNIFORM TOP BRACKET ASSEMBLY (Standardised)</b><br>Material Profile: Heavy-Duty ERW Steel Pipe (Nominal Bore 40 mm to 50 mm, minimum 3.0 mm wall thickness) with a Hot-Dip Galvanized anti-corrosion layer matching the pole base standard.<br>Dimensions & Alignment: Exactly 1.0 Meter horizontal projection outreach over the road lane, with a strictly fixed $15^{\circ}$ Upward Entry Tilt Angle.<br>Hardware: Locked to the top of the pole using a sleeve slip-fitter secured by a minimum of 3 Nos. Stainless Steel (SS304) M10 anti-vibration screws.                                                                                                 |                 |
| 6.1 | <b>OPERATION AND MAINTENANCE MANUAL</b><br>An Operation, Instruction and Maintenance Manual, in English and the local language, must be provided containing: Basic principles of Photovoltaic; system block diagrams; battery voltage/capacity; W-LED technical characteristics (including LM-80 report);                                                                                                                                                                                                                                                                                                                                                             |                 |

| SN | Details                                                                                                          | Vendor Response |
|----|------------------------------------------------------------------------------------------------------------------|-----------------|
|    | indicator signals; clear pole erection/mounting instructions; regular maintenance and troubleshooting protocols. |                 |

### Terms & Conditions

1. The Vendor must have their registration, GST registration, and PAN Numbers. The duly signed copy of each document shall be submitted along with the tender.
2. The goods supplied and works executed under this contract shall conform to the latest 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 test certificates and reports for systems and components accordingly, and only components matching these approved test reports shall be supplied.
3. Defect Liability Period / Maintenance Period: The maintenance period will be 36 months for each unit from the date of satisfactory completion of work of that individual project, extending beyond the contract validity period where applicable. In case defects are found after the completion of work, the vendor shall immediately repair the defects free of cost up to 36 months. The vendor shall not claim any amount for repair work.
4. Penalty for Delay in Completion of Work: The organisation may impose a penalty for delay in completion of work except in case of natural calamities and law & order disturbances. The penalty amount shall be Rs. 500.00/day per delayed project site. The tenderer must agree to bear this penalty amount for the delay in the completion of work.
5. The basic rates offered by the Bidder/Tenderer will be inclusive of all license fees, Royalty, Octroi, interstate transit levies, labour, construction materials, all Tools & Plants, and water & power required for satisfactory completion of the work. GST shall be declared separately as per Clause 8.
6. In case of any mishap, injuries, or damage occurring at the site, or any statutory violations of local state labour laws across the execution states, it will be the sole responsibility of the Vendor.
7. The Bidder must clearly mention in their financial bid whether the quoted rates include GST or exclude GST, along with the applicable GST rate in %.
8. Payment Terms: All payments for an individual project site will be paid after satisfactory work completion and verification at that specific site.
9. Minimum 3 work experience in similar field of solar street light (Report attached).
10. The authority for the acceptance of the tender will rest with the organisation. It shall not be obligatory on the said authority to accept the lowest tender or any other tender, and no tenderer(s) shall demand any explanation for the cause of rejection of his/their tender, nor does the organisation undertake to assign reasons for declining to consider or reject any particular tender or tenders.
11. The competent authority of the organisation for the acceptance of the tender reserves the right to divide the tender amongst more than one tenderer, if deemed necessary.

12. Random Quality Audits & Allocation:

BAIF reserves the right to conduct unannounced, random quality audits at any project or storage location across all 18 execution states. Discovery of substandard materials or non-compliant workmanship will result in an immediate negative evaluation. In such cases, BAIF reserves the absolute right to cancel active tasks, reduce or terminate future quantity allocations, and reallocate pending work orders to other performing vendors without any financial liability or compensation to the defaulting party.

13. The contracted rates for streetlights shall remain firm and fixed for the first 10% of any market price increase during the two-year contract period. In the event that the market cost of materials or manufacturing increases by more than 10% relative to the baseline tender prices, the Contractor may request a price revision. Such revision shall only apply to the percentage increase exceeding the initial 10% threshold. Any revised rates shall only become effective upon the submission of valid, verifiable documentation and market proof by the Contractor, followed by the mutual execution of a formal written contract amendment by both parties.

14. Completion Period

The time schedule for total work according to the contract shall be a maximum of three months from the date of placement of individual work orders. All individual work orders under this rate contract must be successfully executed within their respective 3-month windows from issuance.

15. Service Timelines

Timely servicing / rectification of defects during the warranty period and maintenance period: After having been notified of the defects / service requirement as per Clause 4, the seller has to complete the required service / rectification within 48 hours for minor issues and 72 hours for major breakdowns, or as per the mutually agreed instruction/requirement of the owner.

16. Preventive Maintenance Visit

Vendor must conduct a pre-visit to ascertain preventive maintenance requirements.

17. Availability of Spares

The bidder shall ensure that necessary spares are always available with their service centres or local hubs near the respective project sites across the 18 states to provide necessary after-sales service during the performance guarantee period and maintenance period. Documentary evidence or a declaration letter detailing the network of service capabilities to support target execution sites should be enclosed with the offer.

18. Installation, Commissioning and Training

The installation, testing and commissioning of the equipment shall be carried out by competent engineers/technicians of the Tenderer at the work site. During installation / commissioning, the Tenderer's engineer / technician shall impart necessary training to the Owner's personnel in operating and servicing the equipment to the level of clear understanding / adoption. No separate charges will be paid by the Owner for these aspects.

19. Quantity Variation

The quantity as mentioned in the Schedule of Work/ Price Bid is indicative. The selected bidder/Vendor shall however ascertain the exact quantity required at each site, obtain approval from the owner on quantity, supply and install accordingly.

As this is a Rate Contract, the unit rates finalized shall remain fixed and firm for quantity variations up to  $\pm 15\%$  of the total contract value. Any variation or omission of items (especially cables and steel structures) extending

beyond  $\pm 15\%$  based on detailed design requirements/site conditions shall be subject to mutual rate amendment and a supplementary work order before execution.

## 20. Testing & Inspection

All materials required for the execution of the work should be new and should conform to applicable standard specifications and be approved by the Engineer-in-Charge before actual use. Commencement of work without prior approval shall be entirely at the risk and cost of the Vendor. No delay due to non-availability of the materials, tools, equipment etc. will be entertained by the Owner. In the case of certain Machinery/Equipment, the Engineer-in-Charge may inspect the item for approval, before they are brought to the site.

The Owner shall be entitled at all times at the risk of the Vendor, to inspect and/or test either himself or herself or through any independent person(s) or agency (agencies) appointed by the owner and/or to direct the vendor to inspect and/or test all material(s), items and components whatsoever is supplied or proposed for supply, for incorporation in the work, during the course of manufacture or fabrication by the Vendor and/or at the Vendors work place or otherwise, such materials or items or components.

The inspection and/or test shall be conducted at the expense of the Vendor. However, if a third-party/independent agency test is ordered by the Owner and the materials pass the specified quality standards successfully, the costs of such third-party testing shall be borne entirely by the Owner. If conducted by the Vendor, it may be directed by the Owner to be conducted by agency (agencies) nominated by the Owner and/or in the presence of witness(es) nominated by the Owner.

The Vendor shall furnish specifications, contract documents and adequate samples of material intended for incorporation in the works to the Engineer-in-Charge for approval as and when required. Such samples are to be submitted before the work commences, permitting sufficient time for tests, examination(s) thereto by the Engineer-in-Charge. All materials furnished and incorporated in the work shall conform to the sample(s) in all respects.

The Engineer-in-Charge shall be entitled to reject at any point of time, any defective materials, item or components, (including special manufactured or fabricated items or components) supplied by the Vendor for incorporation in the works.

**ANNEXURE II**  
**UNDERTAKING**

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

**To**

\_\_\_\_\_  
\_\_\_\_\_

**Ref: Tender Notice: BAIF-BISLD/Solar Street Light/June 01/2026-27**

**Date-**

**Last Date of Submission: 30/06/2026**

**Sub: Fix Rate Contract for Supply, Installation, Testing, Commissioning and Comprehensive AMC (3 Years) of Solar Street Lights**

**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 ANNEXURE III
3. List of previous works
4. If you are providing for a specific region, please specify.

### ANNEXURE III

#### Price Bid

**Tender Notice: BAIF-BISLD/Solar Street Light/June 01/2026-27**

**Date-**

**Last Date of Submission: 30/06/2026**

**Sub: Supply, Installation, Testing, Commissioning, and Comprehensive AMC (3 Years) of Solar Street Lights under a Fixed Rate Contract.at various locations of India, for next two years.**

#### **Section A:**

| Item No. | Detailed Description of Supply, Civil Works, and Services                                                                                                                                                                                                                                                                                          | Unit     | Total Basic Amount (Excl. GST) (₹) | Applicable GST Rate (%) | Total Amount (Incl. GST) (₹) |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------|-------------------------|------------------------------|
| 1        | SUPPLY PACKAGES (EX-WORKS)                                                                                                                                                                                                                                                                                                                         |          |                                    |                         |                              |
| 1.1      | Model 1 - System Materials Supply:<br>Supply of complete assembly including 6M Galvanized Swaged Tubular Pole, 18W LED Luminaire (IP66), 75W Mono Solar Panel, 12.8V 30Ah LiFePO4 Battery Pack, integrated PWM controller, and 1.0m Outreach Arm.                                                                                                  | 1 in No. |                                    |                         |                              |
| 1.2      | Model 2 - System Materials Supply (BASE UNIT):<br>Supply of complete assembly including 7M Galvanized Tapered Octagonal Pole with Gussets, 30W LED Luminaire (IP67/IK08), 120W Mono-PERC Solar Panel, 12.8V 48Ah LiFePO4 Battery Pack, standalone MPPT controller, Microwave Radar sensor, and 1.0m Outreach Arm. <i>(Excludes Cloud RMS Node)</i> | 1 Nos.   |                                    |                         |                              |
| 2        | ON-SITE CIVIL FOUNDATIONS, INSTALLATION & COMMISSIONING (Models 1 & 2)                                                                                                                                                                                                                                                                             | 1 in No. |                                    |                         |                              |
| 3        | 3-YEAR COMPREHENSIVE AMC PERIOD AND CLEANING SERVICES                                                                                                                                                                                                                                                                                              |          |                                    |                         |                              |
| 3.1      | Comprehensive AMC service for 36 months post-commissioning, including on-site part replacements, 48-hour defect redressal visits, and the mandatory monthly solar panel cleaning loop (once every calendar month per unit).                                                                                                                        | 1 in No. |                                    |                         |                              |
| 4        | OPTIONAL SEPARATE ADD-ON VALUE (RMS MODULE) with 36 Month Recharge/Subscription/Sim                                                                                                                                                                                                                                                                | 1 in No. |                                    |                         |                              |

**Section B: Transpiration Charges Region Wise**

| SN | Region                                                                           | Fixed Rate<br>Per Unit | Applicable<br>GST Rate<br>(%) | Total<br>Amount<br>(Incl. GST)<br>(₹) |
|----|----------------------------------------------------------------------------------|------------------------|-------------------------------|---------------------------------------|
| 1  | North: Rajasthan, Uttar Pradesh, Uttarakhand, Panjab, Haryana, Himanchal Pradesh |                        |                               |                                       |
| 2  | South: Karnataka, Telangana, Andhra Pradesh, Tamil Nādu                          |                        |                               |                                       |
| 3  | East: Bihar, Odisha, Chhattisgarh, Jharkhand                                     |                        |                               |                                       |
| 4  | West: Maharashtra, Goa, Madhya Pradesh, Gujrat                                   |                        |                               |                                       |

(Bidders must fill out this exact schedule clearly. Altering line-item descriptions or introducing unapproved conditional rows will result in immediate disqualification of the commercial bid.)

\*\*\*Please note that the quoted rates should be valid for at least next two years\*\*\*

Date:

Signature with seal of bidder

Note: Price Bid must strictly adhere to the above format and must be typed and printed on A4 pages.

Signature and seal required on all pages of Price Bid.

Note: A word copy of the Price Bid is available at the time of bid opening.

\*\*\*The work by selected vendors will be periodically reviewed by BAIF team and based on quality of material and service efficiency, further orders will be released.

## ANNEXURE IV

### List of previous works if any

| SN. | Location | Date of commission | No. of Streetlights | Client | References (Name, Phone No. & E-mail) |
|-----|----------|--------------------|---------------------|--------|---------------------------------------|
| 1   |          |                    |                     |        |                                       |
| 2   |          |                    |                     |        |                                       |
| 3   |          |                    |                     |        |                                       |
| 4   |          |                    |                     |        |                                       |
| 5   |          |                    |                     |        |                                       |
| -   |          |                    |                     |        |                                       |
| -   |          |                    |                     |        |                                       |
| -   |          |                    |                     |        |                                       |
| -   |          |                    |                     |        |                                       |

Signature of bidder with seal

Note: Annexure III should be typed and printed on an A4 page adhering to the above format.

You are requested to Submit the duly signed Tender in a sealed envelope till 30/06/2026 up to 5.00 PM at our Head Office – BAIF Development Research Foundation, Dr. Manibhai Desai Nagar, Warje, Pune 411058, India. Each page of the tender document must be sealed and signed. Your signature on the Tender document will be considered as your confirmation that you have read and accepted all the conditions laid down in the documents. The tender will not be accepted after the time for submission as mentioned above is over.

Application received after date and time will not be considered for shortlisting. All the hard copies have to be sent to the following address:

Mr. Roshan Ahire/Mr. Mahesh Lade  
**BAIF Development Research Foundation**  
**Dr. Manibhai Desai Nagar, Warje, Pune 411058, India**  
**Contact Numbers +91 7387905413 +91 8459205353**  
**E-mail: roshan.ahire@baif.org.in**