



LBS CENTRE FOR SCIENCE AND TECHNOLOGY
(A Government of Kerala Undertaking)

Nandavanam, Palayam, Thiruvananthapuram - 695 033, Kerala
Phone: 0471 - 2324396, 2324148, 2324101; Fax: 0471 - 2337055
Email: director.lbs@kerala.gov.in; Website: www.lbscentre.kerala.gov.in

B4/2494/2026

30/09/2026

സംസ്ഥാനതല പ്രസിദ്ധീകരണത്തിന്

സോളാർ പി.വി. പരിശീലനത്തിന് താൽപര്യപത്രം ക്ഷണിച്ചു

കേരളം സർക്കാർ സ്ഥാപനമായ എൽ.ബി.എസ് സെന്റർ ഫോർ സയൻസ് ആൻഡ് ടെക്നോളജി ആരംഭിക്കാൻ ഉദ്ദേശിക്കുന്ന “സോളാർ പി.വി. സിസ്റ്റം ഡിസൈൻ ആൻഡ് ഇൻസ്റ്റലേഷൻ” പരിശീലന കോഴ്സ് നടത്തുന്നതിനായി യോഗ്യരായ സ്ഥാപനങ്ങൾ/ഏജൻസികളിൽ നിന്ന് താൽപര്യപത്രം (EOI) ക്ഷണിച്ചു. സോളാർ പി.വി. മേഖലയിൽ പ്രായോഗിക പരിശീലന സൗകര്യങ്ങൾ, ഉപകരണങ്ങൾ, വിദഗ്ധ പരിശീലകർ എന്നിവ ലഭ്യമാക്കാൻ കഴിയുന്ന സ്ഥാപനങ്ങൾക്ക് അപേക്ഷിക്കാം. അപേക്ഷിക്കേണ്ട അവസാന തീയതി 2026 ഒക്ടോബർ 17. വിശദവിവരങ്ങൾക്ക് lbscentre.kerala.gov.in സന്ദർശിക്കുക.



ഡോ. ജയമോഹൻജെ
ഡയറക്ടർ



LBS CENTRE FOR SCIENCE AND TECHNOLOGY

(A Government of Keralam Undertaking)

Nandavanam, Palayam, Thiruvananthapuram - 695 033, Kerala

Phone: 0471 - 2324396, 2324148, 2324101; Fax: 0471 - 2337055

Email: director.lbs@kerala.gov.in; Website: www.lbscentre.kerala.gov.in

B4/2494/2026

30/09/2026

EXPRESSION OF INTEREST (EOI) - INVITATION

Empanelment/Selection of Agency for Conducting Training Programme in “Solar PV System Design and Installation” in Association with LBS Centre for Science and Technology

LBS Centre for Science and Technology, an autonomous institution under the Department of Higher Education, Government of Keralam, proposes to introduce a skill-oriented training programme in “**Solar PV System Design and Installation**” with emphasis on industry-relevant theoretical knowledge, practical training and field exposure.

In order to provide adequate hands-on training and exposure to actual Solar PV systems, **Expressions of Interest are invited from competent and experienced agencies/institutions/companies engaged in Solar PV system design, installation, commissioning, operation, maintenance and/or training**, for partnering with LBS Centre for conducting the programme. The courses are to be conducted at LBS Head office Thiruvananthapuram and LBS Regional Units at Kalamassery, Thrissur and Kozhikode.

1. Objective of the Partnership

The proposed collaboration is intended to develop and deliver a comprehensive training programme that equips participants with practical skills required for the design, installation, testing, commissioning, operation and maintenance of Solar Photovoltaic systems.

The programme shall preferably provide exposure to both **grid-connected and standalone Solar PV systems**, with particular emphasis on rooftop Solar PV installations.

2. Broad Scope of the Partner Agency

The selected agency shall be expected to support LBS Centre in areas including, but not limited to:

1. Jointly finalising an industry-relevant curriculum, course duration and training methodology in consultation with LBS Centre.
2. Providing suitably qualified and experienced trainers/resource persons having expertise in Solar PV system design and installation.
3. Providing the necessary **practical training infrastructure, equipment, tools, instruments and working/demo Solar PV systems**, either at the agency's training facility or at another suitable facility arranged by the agency.
4. Conducting hands-on practical sessions covering, as applicable:

- Identification and characteristics of Solar PV modules and system components;
 - Site survey and assessment of solar potential;
 - Load assessment and system sizing;
 - Selection and sizing of PV modules, inverter, battery and other Balance of System components;
 - Design of grid-connected, standalone and hybrid Solar PV systems;
 - Preparation of system layouts, Single Line Diagrams and basic Bills of Quantities;
 - Mounting structures and module installation;
 - DC and AC cabling and terminations;
 - Earthing, lightning protection and electrical protection systems;
 - Installation and configuration of inverters and associated equipment;
 - Testing and commissioning of Solar PV installations;
 - System monitoring, performance assessment and troubleshooting;
 - Preventive and corrective maintenance; and
 - Electrical and workplace safety associated with Solar PV installations.
5. Arranging **practical demonstrations, field visits and/or exposure to actual Solar PV installations** wherever feasible.
 6. Providing training materials, manuals, practical exercises, case studies and other learning resources required for effective delivery of the programme.
 7. Supporting practical assessment/evaluation of trainees in coordination with LBS Centre.
 8. Providing exposure to industry practices, applicable standards, statutory requirements and procedures relevant to rooftop Solar PV projects.
 9. Providing information on employment, entrepreneurship and business opportunities in the Solar PV sector and, wherever possible, facilitating industry interaction, internship, apprenticeship or placement opportunities for successful candidates.

3. Role of LBS Centre for Science and Technology

Depending upon the mutually agreed implementation model, LBS Centre may undertake activities including:

- Publicity of the programme
- Registration and admission of candidates
- Coordination and administration of the programme;
- Provision of classroom facilities at identified LBS Centres, wherever required;
- Academic monitoring and quality assurance;
- Conduct of examinations/assessment in association with the selected agency; and

- Issue of certificates to successful candidates in accordance with the terms approved by LBS Centre.

The exact roles and responsibilities of LBS Centre and the selected partner shall be finalised through a mutually agreed arrangement.

4. Eligibility of Applicant Agency

Interested agencies should preferably possess:

- Relevant experience in Solar PV system design, EPC, installation, commissioning, operation, maintenance and/or technical training;
- Adequate practical training infrastructure with Solar PV modules, inverters, mounting systems, electrical protection equipment, measuring instruments, tools and other required facilities;
- Qualified trainers with suitable academic/professional qualifications and relevant industry experience;
- Demonstrable experience in conducting Solar PV or renewable-energy training programmes;
- Exposure to actual Solar PV projects/installations;
- Appropriate statutory registrations/licences, wherever applicable; and
- Capability to provide practical and field-based training to candidates.

Preference may be given to agencies having recognised accreditation/affiliation/certification, experience with Government/PSU/academic/skill-development institutions, established Solar EPC operations, or linkages with the renewable-energy industry.

5. Details to be Submitted with the EOI

Interested agencies shall submit a proposal containing the following details:

1. Profile of the agency, including year of establishment, registration details and organisational structure.
2. Details of experience in the Solar PV/renewable-energy sector.
3. Details of Solar PV projects executed during the recent years.
4. Details of training programmes conducted in Solar PV/renewable-energy technologies.
5. Details and photographs of available practical training infrastructure and laboratories.
6. List of major equipment, tools, instruments and Solar PV systems available for training.
7. Profiles and qualifications of proposed trainers/resource persons.
8. Proposed syllabus/course structure, including theory and practical hours.
9. Proposed duration of the programme and batch size.
10. Proposed methodology for practical training, project work, field visits and assessment.

11. Location(s) where practical training can be provided.
12. Details of industry tie-ups, internship/apprenticeship/placement support, if any.
13. Proposed responsibility matrix indicating the activities to be undertaken by the agency and LBS Centre respectively.
14. **Detailed financial proposal/business model**, including the proposed course fee, expenditure responsibilities, revenue-sharing arrangement or any other proposed commercial model.
15. Any additional infrastructure/support expected from LBS Centre.
16. Details of accreditation, affiliation, certification or Government/industry recognition, if any.
17. Copies of relevant registration, GST and other statutory documents.
18. Details of similar collaborations undertaken with Government, academic or skill-development institutions, if any.
19. Any other information considered relevant to the proposed collaboration.

6. Evaluation of Proposals

EOIs received may be evaluated based on factors such as:

- Experience and technical competence of the agency;
- Quality and adequacy of practical training infrastructure;
- Experience and qualifications of trainers;
- Industry experience and Solar PV projects executed;
- Proposed curriculum and proportion of hands-on practical training;
- Availability of field/project exposure;
- Proposed course duration and training methodology;
- Employment, internship and entrepreneurship support;
- Scalability of the proposed model to different LBS Centres;
- Financial viability and reasonableness of the proposed commercial arrangement; and
- Overall suitability of the proposal for achieving the objectives of LBS Centre.

LBS Centre may invite shortlisted agencies for a **presentation, technical discussion and/or inspection of the proposed practical training facility** before final selection.

7. General Terms

- Submission of an EOI shall not confer any right on an agency for selection or award of work.
- LBS Centre reserves the right to accept or reject any or all EOIs without assigning any reason thereof.

- LBS Centre may seek additional information or clarification from applicants during the evaluation process.
- LBS Centre may negotiate the academic, technical, operational and financial terms with one or more shortlisted agencies.
- The course structure, fee, revenue-sharing arrangement, certification mechanism and other conditions shall be finalised only after approval by the competent authority of LBS Centre.
- All equipment, facilities and installations used for practical training shall conform to applicable safety requirements and standards.
- The selected agency shall be responsible for ensuring proper supervision and safety of participants during practical training and field/site exposure undertaken at facilities arranged by the agency.
- The selected agency shall not use the name or logo of LBS Centre for any purpose other than the approved programme without prior written permission.
- The partnership shall initially be for a period/course/batch as decided by LBS Centre and may be extended based on satisfactory performance and mutual agreement.
- LBS Centre shall have the right to monitor the quality of training and seek modification of the training methodology wherever considered necessary.

8. Submission of EOI

Interested agencies may submit their detailed Expression of Interest along with supporting documents in a sealed cover/electronic form superscribed:

“EOI for Partnership for Solar PV System Design and Installation Training Programme”

The proposal shall reach:

The Director

LBS Centre for Science and Technology
Extra Police Road, Nandavanam, Palayam,
Thiruvananthapuram, Kerala - 695033

Last date for submission: 17 October 2026

Email: director.lbs@kerala.gov.in

Contact: 0471-2560320, 9446189453

For further details/clarifications, interested agencies may contact LBS Centre for Science and Technology.




Dr. Jayamohan J
Director