



**EXPRESSION OF INTEREST (EOI)
FOR
ESTABLISHMENT OF CENTRE OF
INNOVATION & INDUSTRY 4.0 IN
UT OF LADAKH**

**Information Technology Department,
March 2025**

REQUEST FOR EXPRESSION OF INTEREST

(For technical partnership with industry leader in Electrical, Energy Management and Automation Technology for Establishment of Centre of Innovation & Industry 4.0 in UT of Ladakh)

Objective: Establishment of Centre of Innovation & Industry 4.0 in UT of Ladakh

Location: Ladakh

Expression of Interest:

1. Ladakh Autonomous Hill Development Council (LAHDC) intends to transform the current landscape of the skill development and employment as a development objective and increase the number of labor-market-relevant highly skilled workers through various interventions.
2. LAHDC, through Department of Information Technology, UT Administration Ladakh, invites industry leaders (OEMs/ authorized channel partners) to submit EOI for the establishment of the **Centre of Innovation & Industry 4.0 in UT of Ladakh** in Smart manufacturing, Automation Technologies and Energy Management along with suitable courses linked to better career prospects of the trainees. A tender will follow the Eoi after finalizing the equipment and courses.
3. **Background:** LAHDC is in the process of establishing a **Centre of Innovation & Industry 4.0 at Ladakh**, located near _____ . A dedicated space of 5000 Sq. Ft. is allocated for the CIII 4.0, it is strategically being developed to cater to the counselling needs of youth, high end skill training, Faculty development Center and Overseas placements etc.

In the process of establishing the Center **of Innovation & Industry 4.0 at Ladakh** in the campus, LAHDC through Department of Information Technology plans to approach and interact with various industry leaders and Multinational corporations in the Electrical, Energy Management and Automation Technology domain to understand the latest technological developments and skill training needs before finalizing the high-end equipment and courses required across the below envisaged training areas, procurement of high-end equipment is envisaged for the following training areas mentioned below:

Sr. No	Sector / Field	Training Areas
1	Electrical Technology	Electrical Installation, Industrial Controls
2	Building Automation	CCTV, Fire Alarm system, Home Automation
3	Facility Management and services	Building Management System including HVAC
4	Industrial Automation	PLC, HMI and Sensors
5	Energy Management	LV Panel
6	Energy Management	Solar Technology, EV Charging

4. Considering the high end and latest technology of the machinery planned for procurement and the objective of training and placing candidates as highly skilled workforce in India and overseas, REoI is floated to invite all the potential applicants (OEMs or Authorized Channel partners) of repute to submit their EoI for shortlisting and finalizing the equipment before releasing the RFP for procurement and establishment. The industry partners are expected to fill the relevant formats attached including few organization details like prior experience, turnover etc. and Lab equipment and course details.
5. The department is looking forward for turn-key solution provider/s who will not only establish the Lab, but also provide the course content and depute 1 instructor at the COE for at least 1 years. The detailed RFP will be released in succession. The interested proposers are requested to append any further details worthwhile sharing as **Appendix-1** including but not limited to Lab design, detailed equipment specifications, brochures etc.
6. The potential applicants are envisaged to be the OEMs of Electrical, Automation and Energy Management products and solutions or their authorized dealers, OEM must have an annual average turnover of at least INR 100 Cr over last 3 years, experience in establishment / providing majority equipment to a CoE (or Advanced technical training institute) and prior experience of working with government in the space of vocational education/ skill development in the relevant field/area. The OEM must support the center in course curriculum development, Lab Design, Evaluation Methodology, Joint Certification from the OEM and Industry Collaboration for the Placement of candidates.
7. Further information can be obtained at the address below during office hours from 1000 to 1700 hours or by attending a pre-consultation meeting to be held _____ . Queries can also be emailed

on **it.departmentladakh@nic.in** for seeking clarifications on or before _____ . Attending the pre-consulting meeting is not mandatory.

8. The Eligible Firms need to send their proposal as per the Expression of Interest in hard copy (sealed and signed) on their letterhead to the undersigned at the address mentioned below.

Table below shows the list of tentative courses that can be covered in the envisioned COE

Sr. No	Course Name	QP-Number	NSQF Level	Content Covered	Duration
1	Industrial Automation Specialist (IAS)	ASC/Q6807	6	Industrial Control & Wiring, VFD, Soft-starter, Ultra-motor starter	4-Month
				Compact PLC termination and configuration	
				Industrial PLC interfacing with various application modules	
				HMI Screen design	
				Industrial Communication and SCADA	
2	Industrial Automation Technician (IAT)	ELE/Q7306	4	Industrial Control & Wiring, VFD, Soft-starter, Ultra-motor starter	3-Month
				Compact PLC termination and configuration	
				Industrial PLC interfacing with various application modules	
				HMI Screen design	
3	Advance Diploma Automation (ADA)	IAS/Q8005	5	Industrial Control & Wiring	3-Month
				Compact PLC termination and configuration	
				Industrial PLC interfacing with various application modules	
				HMI Screen design	
				Industrial Communication and SCADA	
4	Building Automation Specialist (BAS)	IAS/Q3006	5	Residential Control & Wiring	4-Month
				Semiautomatic Control Devices	
				Industrial Control wiring (Basic)	
				Home Automation using KNX Technology	
				Addressable Fire Alarm system (FAS)	
				CCTV & Access Control	
				Building management System (BMS)	
				HVAC System	
5	Building Automation Technician (BAT)	ELE/Q4608, ELE/Q4605,	4	Residential Control & Wiring	3-Month
				Semiautomatic Control Devices	
				Industrial Control wiring(Basic)	
				Home Automation using KNX Technology	
				Addressable Fire Alarm system (FAS)	
				CCTV & Access Control	
6	Solar PV-Technician	SGJ/Q0102	4	Residential Control Wiring	3-Month
				Semi-Automated control Devices	
				Basics of Solar Technology	

				Different Solar panel & Their Connection	
				Solar Rooftop Connection	
				Site Survey & Report preparation	
				Hybrid Solar System	
				Load Calculation	
				Case study of 1KW & 3KW solar system	
				LV charger configuration	
7	Electrical Operation & Maintenance Engineer	ASC/Q6803	3	Residential Control Wiring	3-Month
				Semi Automation control Devices	
				Industrial Control & Wiring	
				VFD configuration using Software	
				Soft-starter, Ultra-motor starter	
				Study of LV panel	
8	Domestic Electrician	PSS/Q6001	3	Residential Control Wiring	2 Months
				Semi Automation control Devices	
9	Building & Industrial wiring Technician	CON/Q0603	4	Residential Control Wiring	3 Months
				Semi Automatic control Devices	
				Industrial Control & Wiring	
				VFD configuration using Software	
				Soft-starter, Ultra-motor starter	
				Study of LV panel	
10	Home automation installer and programmer	IAS/Q0202	4	Residential Control & Wiring	3 Month
				Semiautomatic Control Devices	
				Home Automation using KNX Technology	
				CCTV System	
11	Assistance Electrician	CON/Q602	3	Residential Wiring	3 Months
				Industrial Control Wiring	
				LV Panel wiring	

** Note this is just a tentative list, the actual courses will be decided during the course of EOI*

Annexure – 1
(Declaration Format on Organization Letter head)

To,

Secretary
Department of Information Technology
UT of Ladakh

e-mail:

We, (Name of the Organization), with Head office / registered office / Corporate office located at (Address), are interested to partner with Administration of UT Ladakh to participate in the establishment of the proposed technology labs:

We would like to declare that our OEM meets all the desired requirements mentioned in the EOI for participating in the proposal process for technical partnership in establishment of advanced lab Ladakh. The details of the OEM are as mentioned below:

Name of the OEM:

Registered Office Address:

Factory Address:

S. No.	Criteria	Details	Docs required to be submitted along with EOI
1.	Existence in India (no. of years)		Certificate of Incorporation, GST registration certificate
2.	Experience of supplying equipment/ establishment of Lab for CoE/ Advanced technical training in India		Past PO/ Completion docs
3.	Average turnover in last 3 years		Balance sheets/ CA certificate for Turnover (2021-22,2022-23, 2023-24)

We are interested in participation for establishment of advanced Lab in Ladakh. Thanks and Regards

Representative name Designated position, Organization name and address
Organization PAN Details, Contact Details (Contact Number, Alternative Contact number, Email etc)

Annexure – 2
(Past Experience)

S. No.	COE Name	Location	Year of Establishment	Area (Sq. Ft.)	Technology details

Thanks and Regards

Representative name Designated position Organization Name

**Annexure – 3
(Equipment Details)**

Details to be filled by the bidder:

Sr .No	Sector	Training Areas	Space required (In Sq. Ft)	Details of Equipment offered and Proposed quantity
1	Electrical Technology	Electrical Installation, Industrial Controls		
2	Building Automation	CCTV, Fire Alarm system, Home Automation		
3	Facility Management and services	Building Management System including HVAC		
4	Industrial Automation	PLC, HMI and Sensors		
5	Energy Management	LV Panel		
6	Energy Management	Solar Technology, EV Charging		
Total Price in INR for above equipment (Including Supply, Installation, commissioning, Facility development):				
Total Price in INR for deputation of 1 Master trainer for 1 year				
Grand Total (INR)				

***Please Note:**

a) Details mentioned above need to be submitted on bidder's letter head

Thanks and Regards

Representative name

Designated position

Organization Name