

INDIAN INSTITUTE OF TECHNOLOGY GOA

At Goa Engineering College Campus

Farmagudi, Ponda, Goa 403401

E-mail: purchase_r.d@iitgoa.ac.in

GSTIN: 30AABAI1653D1ZF

PAN: AABAI1653D

TAN: BLRI08261B

Enquiry No: IITGOA/R&D/2020-21/002

Date: 25/11/2020

IIT Goa invites sealed quotations in two bid form for the supply of below mentioned item.

Sl. No.	Description of Item	Qty
1	Electric Vehicle (EV) Integrated Photovoltaic (PV) based Micro-grid (Detailed specifications attached as Annexure-A)	01 Set.

Terms & Conditions

1. Quotation must be valid for at least 90 days.
2. The GSTIN should invariably be mentioned in your offer.
3. Kindly attach a compliance certificate along with the technical quote.
4. Prices: Prices should be quoted in INR – F.O.R., IIT Goa basis only.
5. Payment terms: Within 30 days after the delivery and successful installation of item at IIT Goa.
6. Delivery and installation should be made within 4 weeks of getting a confirmed order.
7. Supplier should provide minimum one-year warranty for the above stated items.
8. The suppliers shall provide the banking details along with their quote on their letterhead duly signed and stamped.
9. The successful bidder has to submit a Performance Guarantee Bond for 3% of the Purchase Order value and valid till one year plus 60 days OR up-to warranty period whichever is later from the date of issue of Purchase Order. Performance Guarantee Bond may be submitted within 15 (Fifteen) days from the date of order acknowledgment as a successful bidder.
10. Quotations shall be submitted in two parts;
Part – I (Technical) should contain all the technical details and specification of the product. It should contain unpriced bid along with terms and conditions, compliance

certificates, proprietary certificates (if applicable), any other certificates/details etc. This envelope should be marked as “Technical Bid”

Part -II (Financial) The financial bid of the above item should be in a sealed envelope marked as “Financial Bid” and should contain financial terms and conditions.

11. IIT Goa reserves the right to accept and/or reject any/all bids without assigning any reason in public interest.
12. For any clarification, you may kindly contact Prof.Bidyadhar Subudhi (email: bidyadhar@iitgoa.ac.in) and Research & Development office (purchase_r.d@iitgoa.ac.in) till 04.12.2020.
13. All sealed quotations must be super scribed with the tender enquiry number and should reach to the Assistant Registrar (Research & Development), IIT Goa, at Goa College of Engineering Campus, Farmagudi, Ponda, Goa, 403401 by 17.00 Hrs. on or before 16.12.2020.

Sd/-

Asst. Registrar (R&D)

Specification

Sr.No	Item Description	Qty.
1	Solar PV Panels - ≥ 250 W	8 Panels
2	Lithium-ion Battery- ≥ 12 V 40 AH	2 Nos.
3	Compatible to point 1. and 2. Above 1 kW Single Phase sine Wave grid connected Inverter and with battery charging capability and should be able to work in Off grid mode as well. Also it should have provision of RS 485 communication port.	2 Nos.
4	SCADA for the above integrated system (It should record all the voltages, currents, real power, Power factor and should be visible through the internet - with single line http command from the web). it should have Wi-Fi capability	2 Nos.
5	<p>A lab view controlled fully operative two stage 1 kW solar PV grid integrated system with the following specifications.</p> <p>The inverter and its controller AC Voltage:- 415 Volt AC Current:- 35 Amp DC link voltage: ≥ 700V Switching Frequency: ≥ 10KHz Fundamental Frequency 50 Hz Type of Cooling:- Forced Air Ambient Temp:- 25 Deg</p> <p>The DC/DC converter Isolated Compatible with the above inverter MPPT regulated</p> <p>The Labview program in d-q domain with customer modifiable GUI needs to be provided.</p>	2 Nos.
6	6-kW DC charger, GB/T Cord with the gun, for Mahindra E Verito Vehicle with single line http current control from web, with required applicable GB/T protocol through a command line	1Nos.
7	<p>Mahindra E Verito Second Hand Vehicle LabView software will be provided by the institute.</p>	1Nos.
8	Laboratory suitable Single line diagram with detail feedback control architecture need to be provided inside the technical bid envelope. A narration on design in one paragraph is to be attached	1 No.

Terms and Conditions: -

1. Partly quote is not allowed
2. Civil work for Panel installation is the responsibility of the vendor
3. Laying the electrical infrastructure is the responsibility of the vendor

Note: Lab View Software and SBRIO is not in the scope of the project

PRICE BID FORMAT**(To be printed on letterhead of the bidder)**

S.No.	Item description	Qty.	Rate	Total
A	Electric Vehicle (EV) Integrated Photovoltaic (PV) based Micro-grid (Detailed specifications attached as Annexure-A)			
B	GST _____ % of (A) HSN Code/ SAC Code _____			
Grand Total(A+B)				

Amount in Words _____ only.

#HSN Code: "Harmonized System of Nomenclature Code No." and SAC Code: "Service Accounting Codes Code No."

1. Delivery Mode: Delivery at IIT Goa, at site only.
2. Terms of payment: 100% payment within 30 days after the successful delivery and installation of the item at IIT Goa.
3. Validity of the bid: 90 days from the date of submission of quotation/tender.

Place: Signature.....
Name
Company Name & Address:

Date: Affix Rubber Stamp:

Note: Price Bid should be submitted in given format only. For additional information items above format may be typed and used.