

College of Engineering Trivandrum, Thiruvananthapuram

NOTICE INVITING TENDER

P3/950/19/CET

22.11.2019

Tender No.	:30/19/P3/EEE
Superscription	:Purchase of Electric Vehicle DC Fast chargers for Electric Two Wheelers/ Cars/ Rickshaws for the Department of Electrical Engineering of this institution
Last date and time of receipt of tender on the website (www.etenders.kerala.gov.in)	:19/12/2019 3 PM
Date and time of opening of tender	:21/12/2019 11 AM
Date up to which the rates are to be firm	:21/06/2020
Bidding fee	:Rs.1298/-(Rs.1100/-+18% GST)
EMD required	:Rs.5500/-
Address of the Officer to whom hardcopy is to be send.	:THE PRINCIPAL, COLLEGE OF ENGINEERING TRIVANDRUM, THIRUVANANTHAPURAM-695016, GSTIN:32AAAAGC0358L1ZP

E- Tender Id: 2019_DTE_324568

General conditions

- 1.The price quoted should be inclusive of all taxes, freight charges, unloading charges, installation and commissioning charges and should be furnished unambiguously.
- 2.Payment: 100 % after successful supply, installation, commissioning and demonstration.
- 3.Delivery Period: Maximum Delivery period will be 60 days from the date of receipt of supply order.
- 4.Agreement as per NIT 2 in Rs.200/- Kerala Stamp Paper and tender form should be uploaded.
- 5.5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
- 6.Date of opening of tender: In case the proposed date declared as holiday, the tender will be opened on the next working day
- 7.Warranty. 3 years.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual.

The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0471 2577088, 0471 2577188, 0471 257388, 0471 2515760.

**Sd/-
PRINCIPAL**



Technical Specifications of Fast Charger for EVs

Electric Vehicle DC Fast Chargers for Electric Two Wheelers/Cars/Rickshaws with the following specifications

1. Power rating	15kW
2. Input AC Power:	
AC Input	3 Ph 4 Wire
	20kW
3. Output 1 (Active):	
Power	15kW
Voltage	0-100V DC
Charging Current	0-200A DC
Termination	GB/T 20237 Type B
4. Output 2 (Option)	
Power	3.8kW
Voltage	0-100V DC
Current	0-100A DC
Termination	NA
5. Protections:	
Short Circuit	
Overload	
Over Voltage	
Residual Current Protection	
Grid Failure Detection	
Car connector plug-out Detection	
Insulation Resistance Test	
6. Mechanical	
Operating temperature	0°C - 50°C
Storage temperature	-10°C to 60°C
Relative Humidity	Up to 95% non-condensing
Noise level	50-60 dBA
Altitude	< 200 meters above sea level
Ingress protection	IP-54
Cooling	Forced Air Cooled
7. User interface	
LED Indicators	Charging/Idle (Green)
	Fault (Red)
LCD Display Parameters	SOC of Car
	Max Cell Voltage
	Charger Voltage

	Charger Current
	Time to Charge
	Charge Time Expired
	Energy Consumption
	Bill Amount
	Car/User Identification
	System Faults
Switch Control	Charger ON for 15kW
	Charger ON for 3.3kW
8. Protocol	Barath EVSE protocol
9. Applications	<ul style="list-style-type: none"> • EV Charging for Electric Cars (15kW) built with Barath EVSE protocol • Provided with hooks for Charging Electric Rickshaws (3.8kW) in future built with Barath EVSE protocol

