



NATIONAL AUTOMOTIVE TESTING AND R&D INFRASTRUCTURE PROJECT
(A Registered Society under Ministry of Heavy Industry and Public Enterprises)

Ref. No.439/NATRIP/GARC/EV/2019/AC CHARG/04 - NIQ

Date: 01st Oct 2019

NOTICE

Subject:- Call for Sealed quotations for Supply, Installation and Commissioning of Electric Vehicle Charging Stations and related accessories(AC charger-Low Power) at GARC.

National Automotive Testing and Research & Development Infrastructure Project (NATRiP) Implementation Society under Government of India, Ministry of Heavy Industries & Public Enterprises invites quotations from registered and authorized firms for **Supply, Installation and Commissioning of Electric Vehicle Charging Stations and related accessories(AC charger-Low Power) at GARC premises** at 'Global Automotive Research Centre (GARC) at Plot E1, SIPCOT Industrial Growth Centre, Oragadam, Mathur Post, Sriperumputhur Taluk, Kanchipuram Dist – 602 105'.

Note: Scope of work & Technical Specification shall be referred in Annexure-1.

Sealed quotations Titled "Quotation" with ref. no of this document, addressed to the **Procurement Officer, Global Automotive Research Centre (GARC), Plot E1, SIPCOT Industrial Growth Centre, Oragadam, Mathur Post, Sriperumputhur Taluk, Kanchipuram Dist – 602 105, Tamil Nadu, India** should reach latest by **03:00 p.m on 11.10.2019**. The quotations should be delivered to GARC in stipulated date and time.

TERMS AND CONDITIONS

1. It shall be the responsibility of the successful bidder to complete the job as per the technical specifications stated herein in at Global Automotive Research Centre (GARC).
2. The rates quoted by the bidder shall remain firm till the completion of the job/work order and price variation shall not be entertained.
3. The prices should be quoted both in figures and words in terms of Indian Rupees and quotations must be free from any kind of overwriting, alteration and correction.
4. The offer must include comprehensive warranty of atleast two-year from the date of installation and commissioning and acceptance of the equipments.
5. Taxes / GST, if any, should be clearly mentioned in the bids.
6. Delivery charges, if any should be clearly mentioned in the bids.
7. Work completion period should be mentioned and the date to be strictly adhered.
8. Quotes will be considered to be valid for atleast 90 days.
9. The firm shall not assign or sublet the work or any part of it to any other person or party.
10. Obtaining quotations from suppliers does not bind GARC to place orders and any terms and conditions stipulated in the quotations. Similarly GARC is not binding to place orders on to the lowest.
11. The Competent Authority of this office reserves the rights to reject any or all the quotations without assigning any reason and the decision of the competent authority of this office shall

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be final and binding.

Terms of Payment:

1. 100% payment shall be release after supply of items/Works, as certified by engineer incharge of the lab.
2. Payment shall be released within 45 days from the date of submission of work completion report signed by engineer incharge of the lab.
3. At the time of payment of bills, the taxes liable to be deducted, if any, shall be deducted at source as per Government rules and guidelines as may be prevailing at the time of payment
4. All payments to the Vendor shall be made by Account payee cheque or RTGS in Indian Rupees
5. Liquified Damages: In the event of delay on part of the supplier/contractor to achieve completion of the work within the time lines as specified in the quote/PO, the supplier/contractor liable to pay to GARC a sum equal 0.5% of the contract price for every week of delay, or part thereof, subject to the maximum of 10% of the contract price, for such default as liquified damages, which the supplier/contractor is not a penalty but a genuine pre-estimate of loss and damage likely to be suffered and incurred by GARC for every day, or part thereof, that such delay subsists till the date of actual completion. GARC may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the supplier/contractor.

GARC shall be at liberty to withhold any of the payments in full or in part subject to recovery of taxes including TDS as applicable

Rajeswar Tripathy
(Procurement Incharge)

1.0. Scope of Supply details

Description	Qty
AC charger-Low Power	3 Nos

1.1. Electric Vehicle Charging Stations Functional requirements

Brief Specifications.

The characteristics listed below shall be considered minimum requirements apart from any other characteristic required for the compliance with the standards and/or feasibility to perform the operations in the described manner.

a. AC Charger (Bharat AC001) or equivalent:

S. No.	Parameters	Min Specifications
1.	Type of Charging	AC
2.	Charger Type & Protocol	Bharat AC001
3.	No. of Outputs	3 Independent Conductive points
4.	Max Charging power per Output	3.3kW
5.	Output Voltage per Output (independent)	230V (with suitable tolerance as per Bharat AC 001 requirements)
6.	Output Current per Output (independent)	15A (with suitable tolerance as per Bharat AC 001 requirements)
7.	Protocol	OCPP (as per Bharat AC001) Requirements
8.	Connector Type	IEC 60309 Industrial Blue connectors to be used
9.	Input Voltage	3 Phase 415V ,50 Hz (5 wire AC system (3 phases + N + PE)
10.	Safety, Ingress protection and environmental Requirements	As per AIS:138 part-1
11.	On-off operation	Simple Push button
12.	Emergency Stop	Emergency Push button required
13.	Isolation	Between input and output and also between all three outputs
14.	Display	Minimum 6 inches with 720 x 480 pixels
15.	Parameters to be displayed	EVSE should display appropriate messages for user during the various charging states like <ul style="list-style-type: none"> • Vehicle plugged in / Vehicle plugged out • Idle / Charging in progress • Fault conditions; metering; units

ANNEXURE-1

Subject: Scope of work & Technical Specification (AC charger low power)

		consumption; Duration since start of charge, Time to charge, kWh etc.
16.	Cooling Type	Air Cooled
17.	Warranty	Warranty for 24 months should be available standard.
3. Documentation:		
A	One set of Operation Manual complete with drawings, parts list (with part codes), diagrams with list ratings of components and list of do's and don'ts for the main equipment as well as the sub-systems.	
B	These manuals should be in the form of hard (printed) copy in English Language as well as in electronic storage form (disc, pen drive etc).	
4. General:		
a	Installation, training and trails to demonstrate proper functioning of the system will be the responsibility of the supplier.	
b	Preference shall be given to the supplier who have their local service agents in India	