



NATIONAL AUTOMOTIVE TESTING AND R&D INFRASTRUCTURE PROJECT

(A Registered Society under Ministry of Heavy Industry and Public Enterprises)

Ref. No: 305/NATRiP/GARC/VEL/2019-20/37 - NIQ

Date: 01/02/2020

NOTICE INVITING QUOTATION

Subject: - Call for sealed quotations for “Electrical Works for VPS Shed at Test Track” at GARC, Chennai.

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 “Electrical Works for VPS Shed at Test Track” at ‘Global Automotive Research Centre (GARC) at Plot E-1, Oragadam Industrial Growth Centre Oragadam, Mathur Post, Sriperumbadur, Taluk Kanchipuram District-602105.

2. BOQ for the subject work is as per “Annexure – 1”

3. Sealed quotations Titled “Quotation” with ref. no of this document, addressed to The Procurement Officer, Global Automotive Research Centre (GARC) at Plot E-1, Oragadam Industrial Growth Centre Oragadam, Mathur Post, Sriperumbadur, Taluk, Kanchipuram District-602105 should reach latest by 03:00p.m on 12.02.2020. The quotations should be delivered to GARC in stipulated date and time

4. Terms & Conditions:

1. The rates shall include all costs against mobilization and demobilization of your equipment and professional personnel, unskilled labors, necessary arrangement like site clearing, lights, power supply etc., GARC will not arrange any security for your equipment.
2. The offer shall include any other activity related to the scope of the work as in title above needed for the project but not explicitly mentioned above.
3. 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).
4. The rates quoted by the bidder shall remain firm till the completion of the job/work order and price variation shall not be entertained.
5. The prices should be quoted must be free from any kind of overwriting, alteration and correction.
6. Taxes/GST, if any should be mentioned separately.
7. The agency shall carryout the work within 45 days (Forty Five days) against the acceptance of the work/purchase order.
8. Prospective bidders may visit the premises to ascertain the scope of works involved, before submitting their quotation.
9. It shall be ensured by your agency that all your equipment is handled carefully while doing works without causing any damage to GARC premises.
10. Cost of any damages shall be recovered from agency.



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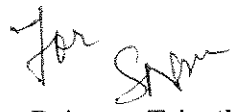
Date: 01/02/2020

11. It shall be your agency's liability to avoid any causality during the work in all respects, any kind of causality to be borne by your agency.
12. It shall be your agency's liability to avoid any losses or damages by wrongful act; or negligence; or irresponsibility; or carelessness during the work.
13. 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 be final and binding.

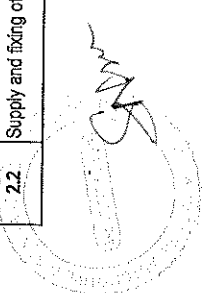
5. Terms of Payment:

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. Liquefied 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, 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 liquefied 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)

BOQ for Electrical Works for VPS Shed at Test Track at GARC, Chennai						
Sl.No	Description	UNIT	Qty	Rate	Amount	Amount
				Supply	Erection	
A	415V Sub-Distribution Board			Rate	Amount	Amount
1	Design, fabrication, assembling, wiring, supply, installation, testing & commissioning panel fabricated out of 2mm thick CRCA sheet steel provided with hinged detachable locked door at front and back, floor mounted free standing totally enclosed indoor cubicle extensible, compartmentalized, front operational, dust and vermin proof, suitable reinforcement by pressed sheet steel angle, channels, T section or flat wherever necessary. Cable gland plate shall be provided at the bottom of the panel. Panel enclosure shall be treated with all anti-corrosive process (7 tank process) before powder coating as per specification with approved shade. 2 nos earthing terminals shall be provided for all distribution panel. Panel shall be suitable for 415V/3 phase, 4 wire, 50 Hz supply system. Lifting hooks shall also be provided. Approval shall be obtained for each panel in the form of shop drawing before fabrication. The panel(s) shall have the switch gears metering instrument and accessories as specified. (MAKE: ABB/SCHNEIDER/SIEMENS)	Nos	1			
	<u>INCOMER:</u> 125 Amps, 25KA, 4P type TM based Module Case Circuit Breaker over current and short circuit Thermal magnetic releases - 1 set.					
	<u>BUSBARS</u> 150 Amp 4W 25KA, 3 Phase bus bars of high conductivity electrolytic quality aluminium alloy with coloured heat shrinkable insulated sleeve.-1 Set					
	<u>OUTGOING:</u> 63 Amps 4.P MCCB - 1 No					
	40 Amp 4P MCB - 2 Nos.					
	32 Amp 4P MCB - 3 Nos.					
B	<u>INTERNAL, EXTERNAL LUMINAIRES, CEILING FANS AND EXHAUST FANS</u> Supplying, receiving, storing, handling, assembling, fixing in position, testing and commissioning of following light fitting and fixtures as described on ceiling/wall complete with all fixing accessories and control gear box etc. (Price including Scaffolding)					
2.1	LED 50W with Al pressure cast housing suitable for road and mounted in the building structure street light F	Nos	8			
2.2	Supply and fixing of single arm GI pipe suitable for streetlight, bracket dia 32-50mm dia pipe with fixing clari	Nos	8			



BOQ for Electrical Works for VPS Shed at Test Track at GARC, Chennai			
		Nos	12
2.3	LED 80W Fitting complete with all accessories, similar to Philips model 325P LED 100S 6500K . All fixing	Nos	
2.4	Supply , installation, testing commissioning of 24 inch air circulators heavy duty industrial type 600mm sweep 3 blade wall mounted fan including Bird Protection cover and with mounting accessories.(MAKE: ALMONARD)	Nos	6
C	INTERNAL WIRING, OFFICE AND GENERAL AREAS		
3	Points wiring using 2runs of 2.5sqmm + 1runs of 2.5sqmm PVC insulated 1100v grade multi stranded FRLS copper wires of approved make drawn in 20mm dia 2mm thick high density surface MS conduit of approved make including all conduit accessories such as bends, junction boxes etc., The wiring shall be done in complete looping & loopout system. The switches used shall be moulded Clipsal opal range as per approved, Boxes made Integral G.I box units with clear earthing facility. The wiring shall be complete with ceiling, switches and consumables. Approved makes only	RM	750
D	SWITCH, SOCKETS AND ACCESSORIES		
4	Supply, fixing and testing of following sizes of modular type switch's/sockets with modular plate and switch box for UPS power sockets/Raw power socket in work station/work shop.(Anchor roma)		
4.1	Switch 10A one way	Nos	20
4.2	switch 16A one way	Nos	8
4.3	Socket 6/16A 6 Pin (Shuttered)	Nos	6
5	Supply and fixing following modules / size, GI box along with modular base and cover plate for modular switches in recess as required. (Anchor roma)	Nos	4
5.2	3 (#00mmx75mm)	Nos	4
5.3	6Module (200mmx75mm)	Nos	6
5.4	Supply and fixing of surface mounting boxes with cover plate, one number of 16A socket for fan	Nos	3
5.5	Supply and installation of 4 pole Enclose box with 32A 4P MCB	Nos	1
5.6	Supply and installation of 4 pole Enclose box with 63 A 4P MCB	Nos	
E	Cables		
6	Supply, receiving, unloading and storing of following sizes of 1.1 kV XLPE insulated		
6.1	PVC sheathed Copper conductor armoured control cable .Approved makes only	RM	190
6.2	4C x 10 Sq.mm Cu.conductor cable (FRLS)	RM	40
6.3	4C x 4 Sq.mm Cu.conductor cable	RM	
	3C x 2.5 Sq.mm Cu.conductor cable		
7	Supply, unloading, storing and commissioning of following sizes of 1.1 KV XLPE insulated Aluminium conductor armoured cables as per IS-7098(P-1) / 1988 laid on overhead cable trays or over MS supports in masonry trenches including providing the MS supports and clamps for fixing to supports in an approved manner complete as required and as per specifications.(Note:The cost of trench and excavation ,M.S angles supports are not included)(Approved Makes only)		
	Armoured Aluminium conductor cable		
7.1	3.5C x 70 Sq.mm XLPE Al conductor cable	RM	150

BOQ for Electrical Works for VPS Shed at Test Track at GARC, Chennai		RM	30
7.2	4C x 16 Sq.mm XLPE Al.conductor cable		
F	LT CABLE TERMINATION		
8	Supply and making end termination with flame proof double compression brass gland and aluminium thimbles for XLPE insulated and PVC sheathed aluminium conductor cable of 1.1kv grade of the following sizes as required.(Approved Makes only)		
	Aluminium conductor power cables		
8.1	3.5C x 70 Sq.mm XLPE Al.conductor cable	Nos	2
8.2	4C x 16 Sq.mm XLPE Al.conductor cable	Nos	2
9	Supply and making end termination with brass compression gland and Copper thimbles	Nos	
9.1	4C x 10 Sq.mm Cu.conductor cable (FRLS)	Nos	8
9.2	4C x 4 Sq.mm Cu.conductor cable	Nos	8
G	EARTHING		
10	Supply, installation, testing and commissioning of earth pits comprising 600 x 600 x 6 m	Nos	2
11	Supply laying and termination of following sizes of earth flats and wires laid in under ground at 600mm deep / on cable trays drawn through pipe and sleeves along with column wall for safety earthing. All G.I conductor joints in the runs of conductor shall be cad welded and welded joints shall be protected with bitumen paint. All Cu. conductor joints shall be brazed or riveted. The equipment tape connection shall be bolted using galvanized hardware or bolted by using passivated hardware.(Approved Makes only)		
11.1	25 x 3 G.I strip	RM	20
11.2	Termination of 1C x 2.5 Sq.mm Cu.conductor cable with proper lugs (Equipment Earthing)	RM	40
H	CONDUITS		
12.1	supply and installation of 25mm dia 2mm thick MS conduit with 14 swg pull wires RM required for Power / Lighting / data and Tel point wiring complete with all accessories like bends, elbows and junction boxes etc.. (Approved Makes only)		732
12.2	Supply and installation of 25mm Flexible hose (Approved Makes only)	RM	45
			Sub Total
			GST, if any
			Total Amount
			Grand Total Amount(Round off)
Amount in words:			
Work Completion Period:			

