

**VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY  
THALAKKOTTUKARA**

**VAST Campus, Thalakkottukara PO, Thrissur - 680 501**

**Tele: 04885 287751/52 Fax: 04885 288366**

**No. VAST/Ele Works/01/2019-20**

**24-05-2019**

**QUOTATION NOTICE**

Sealed Competitive Quotations in the *prescribed format* are invited from experienced and established suppliers/ contractors for the works described below. All terms and Conditions pertaining to the quotation should invariably be furnished at the first instance itself. Documents if any to prove authentic representation of the product/work quoted and previous experience in the field may be attached along with the quotation.

SI No	Description	Unit	Qty	Rate	Amount
1	<b>MSB-1</b>				
1.1	<p><b>Panel Boards: -</b> Supply, Design, fabrication, erection, testing and commissioning of cubical type fully compartmentalized L.T Switch Boards dust tight and vermin proof fabricated out of 16 SWG CRCA sheet, chemically treated and painted with 2 coats of primer and two coats of stoving enamel paint of approved shade.</p> <p>The Switch Boards should have a set of suitably rated TPN aluminium busbars with the specified current and fault level, insulated with heat shrinkable, colour coded PVC sleeves and supported using DMC/SMC type busbar supports. The design should be as per the standards of Kerala State Electrical Inspectorate. All panels are to be provided with indicators.</p>				
	<b>Incomer</b>				
	1. 630 A,35 ka 4Pole MCCB (Isolation duty) with E/F release				
	set at 420 A ( from 315 KVA Xmer				
	2. 400 A 4 pole isolator-1 no ( From MSB-2)				
	3.400 A 4 pole isolator -1 no( From 125 kva DG)				
	Stand by low set earth fault relay - 1no				
	RYB indication - 3 sets				
	Digital compination meter with Parameters of V,A,P,F and KWH - 3 sets				
	Castle key inter lock between incomer ( 3 lock 1 key) 1 set				
	200/5A,CL:1,15 VA, CT for DMFM- 3 sets (125 kva dg)				
	300/5A,CL:1,15 VA, CT for DMFM- 3 sets (from msb-2)				
	500/5A,CL:1,15 VA, CT for DMFM- 3 sets (incomer)				
	500/5A,CL:1,15 VA, CT for APFC relay- 3 sets				
	TPA Bus bar as ISS				
	<b>Out going:-</b>				
	250A 25 ka TP MCCB set at 125 A -1 no ( Capacitor panel)				
	250A 25 ka TP MCCB set at 160 A with the provision for fixing of CT operated				
	Energy meter and cut outs -1 no (Production lab)				
	250A 25 ka TP MCCB set at 125 A with the provision				

SI No	Description	Unit	Qty	Rate	Amount
	CT operated Energy meter and cut outs -1 no( SSb)				
	250A 25 ka TP MCCB set at 200 A with the provision for fixing of				
	CT operated Energy meter and cut outs 1 nos and Earth fault relay with CT (OH-1)				
	250A 25 ka TP MCCB set at 160 A with the provision for fixing of				
	CT operated Energy meter and cut outs 1 nos and Earth fault relay with CT (OH-2)				
	400A 25 ka TP MCCB set at 320 A with the provision for fixing of				
	CT operated Energy meter and cut outs 1 nos( admn block)				
	400A 25 ka TP MCCB set at 320 A with the provision for fixing of				
	CT operated Energy meter and cut outs 1 nos( to MSB-2)				
	250A 25 ka TP MCCB set at 125 A with the provision for fixing of				
	CT operated Energy meter and cut outs 1 no( Spare)				
	The rate inclusive of suitably rated TPN Bus bar with the specific current and fault level including jumber connection etc				
	Supply	No	1		
	Labour	No	1		
<b>1.2</b>	<b>MSB-2 EXTENSION</b>				
	800 A 4 pole EDO ACB with out protection-1 (as bus coupler)				
	400 A 4 Pole MCCB with ROH, speders etc-2 nos				
	Castle key inter lock between ACB and 400 4 P MCCB ( 2 lock 1 key) -1 set				
	The rate inclusive of suitably rated TPN Bus bar with the specific current and fault level including jumber connection etc				
	Supply	No	1		
	Labour	No	1		
<b>2.</b>	<b>Cable Laying :-</b> Supply, Laying, testing and commissioning of following PVC insulated armoured L.T cables (AYFY / AYWY) / H.T cables (XLPE) through excavated / built up cable trenches, cable trays, hume pipes including supply and fixing of clamps, nut and bolts, screws, identification tags, route markers etc. required for clamping as necessary.				
2.1	L.T cables: -				
a	3.5 x 240 Sqmm (Msb 1 to msb-2)				
	Supply	Mtr	30		
	Labour	Mtr	30		

SI No	Description	Unit	Qty	Rate	Amount
3.0	<b>Termination :-</b>				
3.1	L.T cables: - Supply of all materials and termination of the following PVC insulated aluminium crimping sockets, including gland earthing using copper conductor of adequate size etc.				
a	3.5 x 300 Sqmm				
	Supply	No	3		
	Labour	No	3		
b	3.5 x 240 Sqmm				
	Supply	No	5		
	Labour	No	5		
c	3.5 x 185 Sqmm				
	Supply	No	2		
	Labour	No	2		
d	3.5 x 120 Sqmm				
	Supply	No	2		
	Labour	No	2		
e	2 x 4 Sqmm				
	Supply	No	4		
	Labour	No	4		
4.0	<b>Earthing conductors: -</b> Supply and laying of following sizes copper strips / wires for effective earthing of the system.				
a	25 x 3 mm Cu Strip				
	Supply	Mtr	10		
	Labour	Mtr	10		
b	32 x 3 mm Cu Strip				
	Supply	Mtr	10		
	Labour	Mtr	10		
5.0	Supply, fabrication and erection of cable trench covers using 5 mm thick M.S chequered plates for covering cable trenches in switch boards room				
	Supply	Kg	100		
	Labour	Kg	100		
6.0	<b>Cable trays</b> Supply, fabrication and erection of cable trays / cable supports fabricated out of M.S angles and M.S flats of adequate size with sufficient width and spacing between successive cross members and supported at adequate spacing. The cable trays and support shall be painted with 2 coats of Zince chromate primer and 2 coats of enamel paints				
	Supply	Kg	200		
	Erection	Kg	200		
7.0	Labour charge for existing MSB-1 feeder cables and earthing conductors removing and rearraging of existing SB in the Electrical room.				
	Labour	LS	1		
8.0	Rubber mat				
	Supply	Nos	5		

SI No	Description	Unit	Qty	Rate	Amount
9.0	<b>Documents &amp; Approval</b>				
	Charges for preparation of necessary forms, documents, drawings etc and procuring energisation certificate from the Elecl Inspectorate (all expenses except statutory charges shall be met by the contractor).	LS	1		
	<b>Total</b>				
	<b>GST</b>				
	<b>Grand Total</b>				
	<b>(Rs..... only)</b>				

## Terms & Conditions

A	Last Date of Receipt	30-05-2019
B	EMD	0
C	Validity	30 days
D	Price	Inclusive of all Taxes
E	Delivery Period / Period of Completion	1 month
F	Guarantee	1 Year from the date of completion against
G	Payment Terms	After satisfactory completion of work and verification
H	Agreement	Agreement to be executed in stamp paper worth Rs.200/-
I	Security Deposit	5% of contract value
J	Invoice	To be prepared in favour of The Executive Director, VICT, Thrissur
K	Bank Charges	At contractor's Account
L	Acceptance	A signed copy of this order to be returned in token of acceptance

  
  
**Executive Director**  
 VICT, VAST Campus  
 Thalakkottukara

**Contractor**

## Make of Materials

1. HT & LT Cables (XLPE) : Rallison / Polycab / Gloster
2. ACB, MCCB and Relay : L & T
3. Digital Meters : HPL Socomec / Mecco / Elmeasure
4. HT Cable termination Kit (Heat Shrinkable Type) : Denson / M-Seal
5. Indicating Meters : HPL Socomec / L & T / Mecco
6. Current transformer : Kappa / PGR power tech / Sree Ganga
7. Cable Gland : Dowels / Lalkar
8. Crimping sockets : Dowell's / Jainson / Lalkar
9. Switch fuse units / isolators : L & T / GE
10. PVC Conduit : Balco/Toms