

VISAKHAPATNAM PORT TRUST  
MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT

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Name of the Work : Removal and shifting of LT / HT panels, 6 pole structure  
near DM Gate area (SS-I) – Reg.

Tender No. 45/IM&EE/MOF/Elec/EMP/1119/ DT. 29 -11-2019.

Last Date and time of Receiving of Tenders in C.M.E's office on 06 -12-2019, at 14.30 hrs.

WORK SCHEDULE

Part - A

S.No	Description	Qty	Unit	Rate	Amount
1	Laying and drawing of 3C X 35-50 Sq.mm 11 KV(E) grade HT Cable XLPE insulated & PVC sheathed, armored, PVC overall sheathed multi stranded aluminum conductor Cable through in the existing trench with sand cushioning and brick protection or through GI pipe complete as directed by Engineer-in-charge including all materials labour, tools and tackles. (Note: Cable will be supplied by VPT at free of cost)	200	Mtrs		
2	Laying and drawing of 4C X95 Sq.mm 1100 V grade LT Cable XLPE insulated & PVC sheathed, armored, PVC overall sheathed multi stranded aluminum conductor Cable through in the existing trench with sand cushioning and brick protection or through GI pipe complete as directed by Engineer-in-charge including all materials labour, tools and tackles. (Note: Cable will be supplied by VPT at free of cost).	150	Mtrs		
3	Transportation and stringing , of HT/LT 3 phase 3/4 wire overhead line with AAA conductor on the existing insulators including making cut points, jumpers etc. as directed by Engineer-in-charge including all materials , labour tools and tackles. Note: conductor will be supplied will by VPT at free of cost)	0.4	RKM		
4	Making of Heat shrinkable straight through joint kit of 3C 35-50 Sq.mm 11KV (E) HT cable, XLPE, PVC insulated & PVC sheathed, armored, aluminum conductor Cable with all accessories and suitable clamps etc., as directed by Engineer-in-charge including all material labour, tools and tackles. (note: heat shrinkable straight through joint kit will be supplied by VPT at free of cost)	3	Nos		

5	Making of Heat shrinkable Outdoor end termination kits of 3C X 35-50 Sq.mm 11KV(E) HT cable XLPE, PVC insulated & PVC sheathed, armored, aluminum conductor Cable with all accessories and suitable clamps etc., as directed by Engineer-in-charge including all material labour, tools and tackles. (Note: Outdoor end termination kits will be supplied by VPT at free of cost.)	3	Nos		
6	Disconnecting, dismantling and removing of 6 pole structure duly removing the existing cross arms, channels etc, from the 6 / 4 pole structure including cutting the nut & bolts and handover of the same to E/M section store /general stores with all labour, tools & tackles as directed by Engineer in charge.	1	Jobs		
7	Disconnecting, dismantling and removing of LT / HT Distribution panels from the substation-I without damage, including handover to the E/M store /general stores with all labour tools and tackles s directed by Engineer in charge.	1	Job		
8	Fixing of 11 KV Pin insulators / disc insulators with GI hard ware as directed by engineer-in-charge including all materials, labour tools and tackles. Note: Pin / disc insulators with hard ware will be supplied by VPT at free of cost.	42	Nos		
9	Laying of 100 mm dia medium grade GI pipe / HDPE of approved brand in the existing trench as directed complete with all labour, tools and tackles. Note: pipes will be supplied by VPT at free of cost.	100	Mtrs		
10	Excavation of pit/trench of required width and depth for laying of HT/LT cable/pipe, erection of pole/strut, earth pit/stay set etc. Refilling and making the surface good to match the surroundings including removal of debris complete with all labour, tools, tackles and materials as directed by engineer in charge.				
	a) Hard / Dense Soil	40	M <sup>3</sup>		
	b) Soft / loose soil	20	M <sup>3</sup>		
	c) WBM Road surface	30	M <sup>3</sup>		
11	Transportation and placement of 11 to 13 mtrs long B.G rail / Spun / PCC poles in position for poles / struts in the existing pits duly welded with suitable size base plate including providing of two coats of red oxide paint as directed complete with all labour and material, including loading and unloading. (Note: poles will be supplied by VPT at free of cost)	6	Nos		

12	Formation of 4 / 6 pole structure on existing BG Rail / Spun / PCC poles with existing clamps duly Drilling, welding,& hoisting etc., fixing of clamps with suitable size nuts, bolts etc., with all labour, tools & tackles as directed by Engineer in charge.	1	Job		
13	Formation of bus on the existing 2 / 4pole structure including jumpring, binding along with fixing of Disc / Pin insulators with 33 KV grippers including G I hardware, on the existing cross arms with existing clamps, nuts bolts etc., with all labour, tools & tackles as directed by Engineer in charge. Note: materials will be supplied by VPT at free of cost.	2	Job		
14	Fixing testing and commissioning of 400 Amps 11KV, Single break triple pole gang operated horizontal mounting A.B switch 40/38 mm dia medium grade GI pipe and locking arrangement in 'ON' and 'OFF' positions complete with all material, labour tools & tackles as directed Engineer-in-charge. Note: A.B switches will be supplied by VPT at free of cost.	4	Nos		
15	Fixing and commissioning of 11 KV HG fuse set with all standard accessories such as coppers horn gap rods on the existing structure as directed by engineer in charge complete with all materials labour tools and tackles. Note: HG Fuse set will be supplied by VPT at free of cost.	1	Nos		
16	Supply and providing of CI earth station using 100mm dia flanged CI pipe of length 2.5 mtrs duly perforated as per IS 3043 in a pit of suitable depth filled with alternate layers of salt and charcoal as per the enclosed drawing including masonry pit with RCC slab cover complete with all labour material tools & tackles as directed by engineer in charge.	2	Nos		
17	Supply and fixing/running of 50 X5/6 mm GI earth strip including connecting as open/recessed/clamped to the wall/pole and hot dip galvanized confirming to IS with latest amendments as directed by engineer in charge including all labour tools and tackles	50	Mtrs.		
18	Supply and providing of P.C.C. 1:3:6 with 20 mm graded granite as coarse aggregate and river sand as fine aggregate (220 Kgs of cement per M3of finished concrete) including mixing, depositing in position, tamping, finishing and curing for base concreting, road cutting, coping etc. as directed by Engineer-in-charge including all labour and tools.	5	M <sup>3</sup>		

19	Fabrication of steel i.e flats, angles, channels & cable root marker of required sizes to provide required cross arms, back clamps for formation of 2 / 4 pole structures, for fixing of HT/LT pin/disc/shackle insulators, lightning arrestors, H.G Fuse sets, A.B. Switches including cutting, bolting, riveting, drilling, welding hoisting etc. and providing one coat of zinc rich epoxy primer paint complete as directed by Engineer- in-charge. Note: steel will be supplied by VPT at free of cost.	1100	Kgs		
20	Shifting, transportation, placement and commissioning of 11/0.433 KV transformer (DTR capacity upto 100 / 250 / 400 / 600 KVA) as directed by Engineer in charge complete with all materials, labour, tools and tackles including loading / unloading and transportation. Note : Transformer shall be supplied by VPT	1	Job		
21	Connecting testing and commissioning LT section Distribution box for double feeder ie., including terminating incoming & outgoing cables duly providing suitable size lugs / tumble, complete with all labour tools tackles and material as directed by Engineer-in-charge. Note: LT DB will be supplied by VPT at free of cost.	1	Nos		
Total					

**Note:**

The Estimate cost is Rs. 1,96,700/-

**Pre-Qualification Criteria:-**

1. The firm has to pay the Tender Documents cost of Rs.200/- in the form of B C / P O / D.D. drawn on any Nationalized Bank in favour of F.A & C.A.O,V.P.T.
2. The firm has to pay EMD Rs. 3934/- in the form of Bankers Cheque/pay order/DemandDraft of Nationalized Banks drawn in favour of F.A & C.A.O., VPT.

**Note:** All the eligible Bidders, who are registered with NSIC / Ministry of MSME are exempted from payment of EMD amount and Tender Document Cost, subject to fulfilling the following conditions:-

- a) The Bidder has to submit the self-certified copy of the Registration Certificate issued by NSIC / Ministry of MSME for the works / services relevant to the "Subject Tender".
- b) The above Registration certificate should have validity on the date of opening of the technical bid.
- c) In case the Registration certificate issued by NSIC / Ministry of MSME is found to be invalid (date expired) or irrelevant works or services i.e. other than the tendered works/ services, then the above Registration certificate cannot be considered for exemption of EMD & Tender Document Cost and the Bid received will be treated as "Bid submitted without EMD and Tender Document Cost", which would attract disqualification under clause No. (1) & (2) of the Pre-qualification criteria.

d) Copy of “Application for obtaining NSIC/ MSME Registration” or pending renewal of NSIC/MSME certificates will not be entertained. Such offers will be treated as Offers received without EMD and Tender document cost.

3. Solvency: Firm has to submit solvency certificate from a nationalized Bank / Scheduled Bank to the extent of Rs.75 (seventy five) thousand obtained within last one year from the date of opening of the tender.

(The firms, who are not complying with any one of the above criteria, their tender will be summarily rejected)

Terms and conditions:

1. The Contractor has to submit the offer duly super-scribing the name of the work on the envelope.
2. According to GST rules, every firm/dealer is liable to be registered, whose turnover exceeds Rs.20 Lakhs for supply of Goods/Services/Executing any work contract and firm has to submit the GST No.
3. Firm's quoted rate shall be exclusive of GST component.
4. Payment will be made against TAX INVOICE as prescribed under the GST Act/Rules and the supplier/contractor is required to remit GST as per the TAX SERVICE and file the details in GSTR1 as per the fresh guide lines to enable VPT to claim input tax credit, otherwise the said tax invoice will be kept pending for payment.
5. Validity of offer should be 02 months from the last date of receipt of the offers.
6. Statutory deductions will be made from the bills.
7. Conditional offers will be rejected.
8. In case of any clarification, please contact at phone No. 2873193.
9. The workmanship and materials used in this work shall be guaranteed for a period of 12 months from the date of completion of the work.
10. The subject work should be executed in Co-ordination with civil construction works and to be completed within 21days from the date of Site clearance excluding departmental hindrance.
11. The work shall be completed within the stipulated period, failing which a penalty @ ½% will be levied for every week of delay, on the part of the contractor subject to maximum 10% on total contract / executed value.
12. Firms, who have not worked earlier in VPT, they have to submit the documentary evidence towards proof of experience of execution of any electrical 11KV HT works in other Government Organizations/ PSUs/ Govt. Ports /PPP Projects.
13. The firm has to submit valid electrical licence issued by any Competent Authority to work in A.P

Sealed Quotations are to be addressed to:

Executive Engineer (Elec)-I  
Mech & Electrical Engg.Dept.  
Visakhapatnam Port Trust,  
VISAKHAPATNAM-530035.

CONTRACTOR

EXECUTIVE ENGINEER(Elec)-I

