

**BHARAT HEAVY ELECTRICALS LIMITED**

RAMACHANDRAPURAM:: HYDERABAD::502032

PROJECTS DEPARTMENT

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Tender Notice No. HY/PROJ-EC/ELEC/OT-01/2017-18 Dt. 27.04.2017					
Name of work: Shifting of 2000 kVA transformer and associated HT & LT electrical works					
SCHEDULE-A					
PRICE BID					
Scope of work:					
1)Removal of all the existing cables draining oil out, dismantling, loading on truck, shifting, assembly, erection, testing and commissioning of transformer etc.					
2)Shifting, laying and dressing of LT cables etc.					
3)Supply of cable lugs for LT cables, termination of cables etc.					
4)Shifting, Fabrication and Erection of structural steel etc.					
5)supply and apply of Aluminium paint.					
6)Supply of Commissioning Assistance during machines & other systems commissioning etc.					
S. No	Work Description	Unit	Quantity	Rate/Unit in Rs.	Total amount in Rs.
1	Removal of all the existing cables (3R X 1C X 630sq.mm, XLPE, 20R X 1C X 400 sq.mm, 2RX3CX2.5sq.mm), draining oil out, dismantling, loading on truck, shifting, assembly, erection, filtration of oil, connection of HT cable of size 3C X 95 sq.mm, 11kV (UE), XLPE, testing and commissioning of 2000KVA, 11kV/415V oil filled indoor type distribution transformer of Voltamp make frp,p, 70 Pumps. The transformer shall be placed on foundation with MS channel. The job includes oil filling, filtration, BDV test, all protection checks etc as per IS: 2026. The approximate weight with oil is 6.3T and dimensions are 2850(L) x 3075(W)x 2800(H)mm & Oil Qty:1005 litres. Oil will be issued free of cost by BHEL. The transformer is to be shifted from factory to the transformer room in new Sewerage Treatment Plant outside the factory. The job also includes making hole in the HT gland plate and connection of existing 3C X 95 sq.mm cable. clamping the cable to lessen load on bus post insulators and sealing the HT cable box after connection of the cable to prevent entry of foreign elements	Nos	1.00	68,000.00	68,000.00
2	Shifting, laying and dressing of the following LT cables.				
	a) 1C X 630 sq.mm LT armoured PVC Aluminum cable	Mts	300.00	17.10	5,130.00
	b) 1C x 400 sq.mm LT armoured PVC Aluminium cable	Mts	500.00	16.38	8,190.00
	c) 12C X 1.5 sq.mm LT armoured PVC Copper Cable	Mts	50.00	16.62	831.00
	d) 1C X 240 sq.mm copper flexible cable	Mts	50.00	44.00	2,200.00

3	Supply of cable lugs for the following LT cables a) 1C x 400 sq.mm LT armoured PVC Aluminium cable.	Nos	25.00	89.76	2,244.00
4	Termination of the following cable on MCC panel side in STP. Cable glands (Single compression heavy duty type) and other items are in the scope of the contractor. a) 1C x 400 sq.mm LT armoured PVC Aluminium cable.	Nos	40.00	548.52	21,940.80
5	Termination of the following cable. Copper/Aluminium lug, glands and other items are in the scope of the contractor. a) 1C X 630 sq.mm LT armoured PVC aluminum cable b) 12C X 1.5 sq.mm LT armoured PVC Copper Cable b) 1C X 240 sq.mm copper flexible cable	Nos Nos Nos	6.00 2.00 4.00	744.18 363.85 424.00	4,465.08 727.70 1,696.00
6	Shifting, Fabrication and Erection of structural steel for equipment/cable tray support etc.including 2 coats of red oxide painting. Supply of red oxide paint is in the scope of contractor.	Tons	1.00	9,066.00	9,066.00
7	Shifting & Earthing of Equipment from nearest Earth riser with 50x6mm/ 25x3mm GI flat. Work includes supply and apply of Aluminium paint at each welding points.	Mts	50.00	22.00	1,100.00
8	Supply of Commissioning Assistance during machines & other systems commissioning. i) Skilled ii) Unskilled	days days	5.00 5.00	743.10 615.15	3,715.50 3,075.75
				Total	132,381.83

Total: Rupees One lakh thirty two thousand three hundred and eightyone and paise eightythree only

NOTE:

- 1) Above rates are inclusive of VAT
- 2) Service Tax, SBC & KKC will be paid extra as applicable on submission of valid documents.
- 3) The Contractor has to submit separate Service tax invoice along with RAB (Running Account Bill)
- 4) The quantities indicated in the schedule are tentative and may increase or decrease or delete.
- 5) Any other works not mentioned but required for completion of the project are to be carried out by the contractor with mutually agreed rates and vetted by finance.
- 6) The works are to be carried out in accordance with IE rules 1956
- 7) The contractor shall mark with paint on all panels regarding power cables size & FROM/TO destinations.
- 8) The contractor should follow all the statutory requirements, Environmental Management System (EMS), Occupation Health and Safety Management System (OHSAS) while executing the work.
- 9) Contractor shall shift the materials from different locations inside the factory to the project site and return back the left over materials after completion of the work to the project stores or as per the instructions of the site engineer.
- 10) All the unused/excess materials issued by BHEL shall be returned to the store / or as directed by the site engineer after use.
- 11) Contractor has to ensure neatness of the site by removing unwanted materials/scrap materials.
- 12) Safety : Contractor has to ensure usage of safety shoes, safety helmets, safety belts, safety net & anchoring rope, hand gloves etc. during erection and commissioning for all his personnel.
- 13) Penalty: 0.50 % of the gross value of work will be levied for every week's or part thereof delay by the agency subject to a maximum of 10 % gross value of the work executed after the schedule period of completion.
- 14) Payment Terms: Payment will be based on work % completion/milestone basis.
- 15) The agencies are advised to visit the site to understand the nature of work/quantum of work in its true perspective to avoid any complications.

- 16)Tenderer should have valid HT Electrical license issued by competent authority.
- 17) GST: All the terms and conditions of the contract with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).
- 18) After completion of erection works, the contractor has to arrange inspection by CEA and obtain the permission for charging the transformer. BHEL will provide all relevant drawings and pay the processing fee indicated by CEA and other necessary arrangements shall be born by the contractor.

Note: The bidders are required to quote the tender value on percentage(%) basis at excess or less or on par with estimate value in figures and words.

PERCENTAGE	IN FIGURES	IN WORDS
LESS		
EXCESS		
ON PAR WITH ESTIMATES		