

**BHARAT HEAVY ELECTRICALS LIMITED****RAMACHANDRAPURAM:: HYDERABAD::32****FACTORY CIVIL & PROJECTS DEPARTMENT**

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Tender Notice No. HY/PROJ-EC/ELEC/OT-40/2015-16

Date: 11.02.2016

**SCHEDULE-A****PRICE BID**

<b>Name of the work: Electrical Works for Cooling Water System for 125T New Balancing Tunnel and Various Blocks</b>					
<b>Scope of work ;</b>					
1) Laying and termination of power cables for pumps etc.					
2) Laying and termination of control cables for pumps etc.					
3) Shifting, fixing and commissioning of 63A CFSU for Blade tip grinding machine in GT complex etc					
4) Shifting, fixing and commissioning of 100A CFSU for 15T crane in Pumps block etc.					
5) Shifting, fixing and commissioning of 63A CFSU for 10T crane in 09 block etc.					
<b>Sl.No</b>	<b>Work Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (in Rs)</b>	<b>Total (in Rs)</b>
1	Shifting & Fixing of Pressure Transmitter in cooling Water lines. Provision for fixing PT shall be made available by BHEL.	nos	2.00	138.00	276.00
2	Shifting & Fixing of Pressure Gauges in cooling Water lines. Provision for fixing gauges shall be made available by BHEL.	nos	2.00	138.00	276.00
3	Shifting and fixing of LED Push Buttons on the Schenck Control desk in Balancing Tunnel. Job includes wiring the push buttons to appropriate terminals in the control desk	nos	4.00	76.00	304.00
4	Shifting, erection and commissioning of 63A CFSU for Blade Tip Grinding machine				
	a) 63A CFSU	nos	2.00	1,002.00	2,004.00
	b) 100A CFSU	nos	1.00	1,002.00	1,002.00
5	Shifting and laying of 1.1kV LT power cable including Dressing				
	a) 3.5C x 50 sq.mm armoured PVC Aluminium cable	mts	400.00	12.78	5,112.00
	b) 4C X 16 sq.mm copper cable	mts	50.00	13.51	675.50
6	Termination of the following cable using Aluminum/Copper lugs including providing glands. Lugs and glands are in the scope of contractor				
	a) 3.5C x 50 sq.mm armoured PVC Aluminium cable	nos	10.00	333.98	3,339.80
	b) 4C X 16 sq.mm copper cable	nos	8.00	264.95	2,119.60
7	Shifting and laying of Control/Signal PVC cable including Dressing & Tagging				
	a) 12C X 1.5 sq.mm	mts	70.00	16.62	1,163.40
	b) 4P X 1.5 sq.mm	mtrs	100.00	9.50	950.00
8	Termination of the following cable using Aluminum/Copper lugs including providing glands. Lugs and glands are in the scope of contractor.				
	a)12C X 1.5 sq.mm	nos	4.00	363.65	1,454.60
	b)4P X 1.5 sq.mm	nos	4.00	179.55	718.20

Tenderer's Signature

Issuing Authority Signature

9	Fabrication and Erection of structural steel for equipment/cable tray support etc.including red oxide painting. Supply of red oxide paint is in the scope of contractor.	tons	1.00	7,912.44	7,912.44
10	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.	Mt	50.00	20.95	1,047.50
11	Supply of Commissioning Assistance during Blade Tip Grinding machine and cooling water system for NBT				
	a) Skilled	days	1.00	753.77	753.77
	b) Un-skilled	days	1.00	624.67	624.67
				<b>Total:</b>	<b>29,733.48</b>

**NOTE 1)**The above rates are inclusive of VAT and exclusive of SERVICE TAX.

**2)** Service tax will be paid extra on submission of valid documentary proof.

**3)**The Contractor has to submit separate Service tax invoice alongwith 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 contractor shall mark with paint on all panels regarding power cables size & FROM/TO destinations.

**7)**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.

**8)**After completion of erection works, the contractor has to arrange inspection by CEA and obtain the permission for charging the sub-station. BHEL will provide all relevant drgs and pay the processing fee indicated by CEA and other necessary arrangements will be born by the contractor.

**9)**The quantities indicated are tentative and may increase or decrease.

**10)** Any other works not mentioned but required for completion of the project are to be carried out by the contractor.

**11)** The contractor should follow all the statutory requirements, Environmental Management System (EMS), Occupation Health and Safety Management System (OHSAS) while executing the work.

**12)** Payment Terms: Payment will be based on work % completion/milestone basis.

**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)** 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.

**15)** The works are to be carried out in accordance with IE rules 1956.

**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.**

Tender %	In Figures	In words
Excess		
Less		
On par with estimate		