

Bharat Heavy Electricals Limited
Ramachandrapuram : : Hyderabad – 502032
M&S - DIVISION

SCOPE OF WORK (ANNEXURE – I)

TENDER No.: M&S/P&C/2022/62, dt. 25.11.2022

NAME OF WORK: Electrical Works for 40T Welding Positioner in 06 block.

S.No.	Description of Work	Qty.	Unit	Vendor's Acceptance
1	Supply, Shifting, Erection and Commissioning of Four-pole 100A MCCB assembly with terminal spreader kit and enclosure. Make of the MCCB: L&T/SIEMENS/ABB/Havells/Schneider Electric/GE. The MCCB should be supplied along with the following: a) Spreader terminal kit (2 sets) b) Enclosure for 100A MCCB c) Rotary Handle Door Mounting d) The MCCB should be provided with Microprocessor release Model of MCCB: IHLFEN40100 of Havells/equivalent model of other makes mentioned	1	Nos	
2	Shifting, Erection, Testing and Commissioning of PCC Panel with the following combination: 200A I/C SFU - 1no 160A O/G SFUs - 2 nos Approximate size of the panel - 1000mm (L) X 2000mm (H) X 1000mm (W) and approximate weight of the panel - 200 Kgs	1	Nos	
3	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.	20	mtrs	
4	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.	0.2	Tons	
5	Shifting, laying and dressing of 3.5C X 150 sq.mm cable. The job includes opening of trench covers, laying, dressing of the cable and closing of trench covers.	250	mtrs	
6	Shifting, laying and dressing of 3.5C X 35 sq.mm cable. The job includes opening of trench covers, laying, dressing of the cable and closing of trench covers.	30	mtrs	
7	Supply, Shifting, laying and dressing of 4C X 25 sq.mm Copper flexible elastomeric cable. The copper should be annealed tinned copper. The cable should conform to the IS: 6380-1984 Standards.	30	mtrs	
8	Termination of the following aluminium cables. The glands for the cable should be of Double Compression flame proof type. Both the glands and the cable lugs are in the scope of the contractor. a) 3.5C X 150 sq.mm cable	2	Nos	
	b) 3.5C X 35 sq.mm cable	4	Nos	
9	Termination of the following copper cable. The glands for the cable should be of Polyamide type. Both the glands and the cable lugs are in the scope of the contractor. 4C X 25 sq.mm Copper flexible elastomeric cable.	2	Nos	