

**Bharat Heavy Electricals Limited**  
**Ramachandrapuram : : Hyderabad – 502032**  
**M&S – DIVISION**  
**SCOPE OF WORK (ANNEXURE-I)**

**Tender No.:** M&S/P&S/2021/23, Dt.: 31.07.2021

**Name of Work:** Electrical Works for Clean Room in 06 Block

**DESCRIPTION OF WORK:**

S. No	Work name	Unit	Qty.	Vendor's Aceptance
1	Shifting, assembly and erection of the following switches. Switches will be issued by BHEL			
	a) 800A ICTPN Switch along with Reverse and bottom cable entry boxes	Nos	1	
	b) 100A/63A CFSU Switch along with Reverse and bottom cable entry boxes	Nos	1	
2	Shifting, laying and dressing of the following LT cables. Cables will be issued by BHEL			
	a) 1CX400 sq.mm, 1.1KV, armoured Aluminium cable	Mtrs	1800	
	b) 3.5CX35 sq.mm, 1.1KV, armoured Aluminium cable	Mtrs	100	
	c) 4CX70 sq.mm, 1.1KV, flexible copper cable	Mtrs	100	
	d) 4CX25 sq.mm, 1.1KV, flexible copper cable	Mts	20	
3	Termination of the following LT cables. The job includes supply of double compression glands of brass with nickel coating steel and cable lugs of suitable size (aluminium/copper).			
	a) 1CX400 sq.mm, 1.1KV, armoured Aluminium cable	Nos	16	
	b) 3.5CX35 sq.mm, 1.1KV, armoured Aluminium cable	Nos	2	
	c) 4CX70 sq.mm, 1.1KV, flexible copper cable	Nos	8	
	d) 4CX25 sq.mm, 1.1KV, flexible copper cable	Nos	2	

SIGNATURE AND SEAL OF CONTRACTOR

4	Supply and Erection of Special Earth Pits for Electronic earthing with 600x600x6mm Tinned copper plate, 50mm dia 2600mm long GI pipe with holes of 1/4" dia at 4" apart at random & 2nos 25x6, 2600mm long tinned copper flat material as per drawing. The work including supply of material for alternate layers of charcoal(75kgs), salt(150kgs) and making RCC/Brick chambers with MS/Cast iron cover.	Nos	1	
5	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge	m <sup>3</sup>	1	
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	0.5	
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.	Mtrs	50	
8	Shifting & Erection of cable tray upto 600mm width of ladder / perforated type. The job includes fabrication of cable tray bends wherever required.	Mtrs	10	

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