

SCHEDULE OF WORK

Name of Work: Providing Copper Plate Earthing at Room No. 22 for PPMS Instrument under Prof. Sourav Giri, Dept. of Solid State Physics, IACS, Jadavpur, Kolkata.

Ref: NIQ No.

Item No.	Description of Item	Qty.	Unit	Rate (Rs. P)	Amt. (Rs. P)
01)	Earthing with copper plate earth electrode of size 600mm x 600mm x 3mm thick including all accessories and providing masonry enclosure with cover plate having locking arrangement and GI Watering pipe of 2.0 mtr long etc. (with charcoal & salt) as required. The work shall include providing & fixing of clay /cement barrier ring around the earth well in order to prevent land slide and to provide safety to the personnel to be deployed for earthing excavation work etc. (as per drawing enclosed)	1	Set		
02)	Providing & Fixing of 25mmx5mm copper strip on surface or in recess for connections etc. as required (inside the room).	5	Mtrs		
03)	Supplying & laying of 25mmx5mm copper strip at 0.5 m below ground as earth electrode including connection/terminating with brass/stainless steel nuts & bolts, spring washer etc. as required (jointing shall be done by overlapping and with 2 sets of nut bolt & spring washer spaced at 50mm) (outside the room horizontal run) complete with excavation & refilling etc. as required.	3	Mtrs		
04)	Supplying & laying of 25mmx5mm copper strip in 40mm dia medium class G.I. pipe (ISI mark) from earth electrode to earth pit including connection with Brass/stainless steel nuts bolts, spring washer excavation and refilling etc. as required.	2.5	Mtrs		
05)	Supplying & laying of 25mmx5mm copper strip in 40mm dia medium class G.I. pipe (ISI mark) from earth pit to earth bus along the wall surface outside the room including connection with Brass/stainless steel nuts bolts, spring washer etc. as required.	1.5	Mtrs		
06)	Providing & fixing earth bus of 50mmx5mmx 300 mm long copper strip on surface for connection etc. along with supply & fixing of FRP support including all necessary hardwars as required.	2	Nos.		
				Total (Rs.)	
	(Rupees Only)				

Note:

1)	The work shall be carried out as per CPWD specifications unless otherwise specified.
2)	The strip earth electrode has to be connected securedly with the copper earth electrode by stainless steel nuts & bolts, spring washer, soldering materials with due use of chemical etc.
3)	Before commencement of execution the materials should be brought at site should be got approved by the Engineer-in-Charge or his authorised representatives.