

SCHEDULE OF WORK					
Name of Work: Electrical Installation work to provide power supply to Maldi Mass Spectrometer under Dr. Sudip Malik in Room No. 301 on the 2nd Floor of the Centenary Bldg. at IACS, Jadavpur.					
Sl. No.	Description of Work	Qty.	Unit	Rate	Amount (Rs.)
01)	Supplying of 4 core XLPE insulated and PVC sheathed armoured power cable of 1.1 KV grade as required as per IS specification: 1554 (Make: CCI/Gloster/)				
	4 Core 16 Sqmm Al. Conductor	50	Mtrs.		
02)	Laying and Fixing of one number XLPE insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size on wall surface / existing cable tray as required. The M.S. clamp & hard wares as will be required to be supplied by the agency to complete the work in all respects as per direction of Engineer-in-Charge.				
	4 Core 16 Sq. mm	50	Mtrs.		
03)	Supplying and making end termination of the following XLPE insulated PVC sheathed Aluminium cond. Armoured cable with heavy duty brass compression/STAINLESS STEEL gland i/c crimping type heavy duty copper sockets; (Make: Dowel's) PVC taping etc. as required as per direction of Engineer-in-Charge.				
a)	4 core 16 Sq.mm	2	Sets		
04)	Supply, Installation, Testing & Commissioning of 40A, 4-pole MCCB (make: L & T) of breaking capacity of 30 KA in Sheet Steel enclosure. The job also includes providing suitable sizes MS bracket for mounting of MCCB enclosure as per direction of Engineer-in-Charge. The agency has to supply both the MCCB as well as the sheet steel enclosure.	1	Job		

05)	EARTHING				
a)	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	2	Sets		
b)	Supplying and laying 25 mm X 5 mm copper strip in 40 mm dia GI pipe (Class-B) along with all accessories at 0.50 metre below ground as strip earth electrode, including connection / terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	30	Mtrs.		
c)	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	30	Mtrs.		
d)	Providing and Laying of 4 mm dia copper wire on surface for loop earthing along with existing cable as required as per direction of Engineer-in-Charge.	100	Mtrs.		
e)	Providing and Fixing earth bus of 50 mm X 5 mm copper strip on surface for connections including providing & fixing of suitable size DMC support insulator along with all hardwares.	1	Metre		
			Total (Rs.)		