

Schedule of Work						
Name of Work: Electrical Renovation Work in Old registrar Room & Installation of Dedicated earthing for Super resolution Microscope situated in the Main Building of IACS						
Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5sq.mm FRLS PVC insulated coper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate , suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.					
	Group C (as per CPWD Categorisation)	6	Point			
2	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.					
a)	2X2.5 sq.mm+ 1X2.5 sq.mm earth wire	30	Metre			
b)	2X4sq.mm +1X4sq.mm earth wire	80	Metre			
c)	2X6sq.mm +1X6sq.mm earth wire	20	Metre			
d)	2X16sq.mm +1X16sq.mm earth wire	25	Metre			
3	Supplying and fixing of following size/ modules, GI/PVC box along with modular base & cover plate for modular switches in recess etc. as required.					
a)	2 Module	5	Nos			
b)	6 Module	8	Nos			
4	Supplying and fixing of following modular switch/socket on the existing modular plate & switch box including connections but excluding plate etc. as required.					
a)	6 pin 15/16A Socket	15	Nos.			
b)	15/16 amp switch	12	Nos.			
c)	6 amp socket	4	Nos.			
d)	6 amp switch	4	Nos.			
5	Supply 36W,Metal,Squre(2'x2') recess mounting type LED light fitting (as per MES CAB RoSUN MPLSK 36W(2x2) with LED tube or equivalent model) complete with all accessories including connection with 1.5 sq.mm FRLS PVC insulated copper conductor ,single core cable and earthing etc. as required	4	Nos.			
6	Supply 18W,Round recess mounting type LED light fitting (as per MES CAB M-Slim surface Round metal panel cool day light white Cat No-MPLRSK2-18W recess Mount Ceiling Lam[p] with LED tube or equivalent model) complete with all accessories including connection with 1.5 sq.mm FRLS PVC insulated copper conductor ,single core cable and earthing etc. as required	1	Nos.			
7	Supplying & Fixing of modular type 25Amp A.C. starter switch with GI/PVC Box complete surface/recessed in wall.	2	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
7	Installation, testing and commissioning of pre-wired, LED fitting / compact Led fitting/UV fitting of all types, complete with all accessories and tube etc. directly on ceiling, including connection with 1.5sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	5	Nos.			
8	Supply & fixing following way,single pole and neutral,sheet steel,MCB distribution board,240V,on surface/recess,complete with tinned copper bus bar,earth bar,interconnections,powder painted including earthing etc.as required(But without MCB/RCCB/Isolator)					
a)	8 way,double door	1	No.			
9	Supplying & Fixing 4-pole Sheet Steel enclosure on surface/recess along with 63amp 415V 'C' curve 4-pole MCB complete with connection, testing & Commissioning etc. as required	2	No.			
10	Distribution Board - (PDB): Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415Volts on surface/recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FRLS PVC insulated copper conductor upto the terminal connector/neutral link, earthing etc as required (But without MCB/RCCB/Isolator).					
a)	4 way(4+12) Double Door	1	No.			
12	supply and fixing of commercial type Air Curtain 230V ,50Hz,Air velocity-15 m/s noise level<75dB on surface (Make- Airotek, model-AT-415 or equivalent)complete with connections, testing and commissioning etc. as required.	1	No.			
	XLPE armoured Al. cable: -					
13	Supplying of XLPE insulated and PVC sheathed armoured heavy duty aluminium conductor cable of CC/Universal/POLYCAB make 1.1KV grade as per relevant IS specifications for the following sizes:					
a)	4cx16 sq.mm	20	mt.			
14	Laying & Fixing of 1no. PVC insulated and PVC sheathed/XLPE power cable of 1.1KV Grade of following size on wall surface as required.					
a)	4cx16sq.mm(clamped with1mm thick saddle)	20	mt.			
15	Supply and Fixing single pole blanking plate in the existing MCB DB complete etc.as required	10	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
	Cable Termination: -					
16	Supplying and making end termination with brass compressor gland and copper lugs for following size of XLPE insulated and (PVC sheathed aluminium conductor cable of 1.1KV grade as required).					
a)	4cx16 sq.mm	2	nos.			
17	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	40	mt.			
18	Supplying and fixing following rating 415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections,testing and commissioning etc. as required.					
a)	10 A MCB,SP	3	Nos.			
b)	16 A MCB,SP	8	Nos.			
c)	20 A MCB,SP	2	Nos.			
d)	25 A MCB,SP	2	Nos.			
e)	25 A MCB,DP	1	No.			
f)	32 A MCB,DP	2	Nos.			
g)	63 A MCB,4P	2	Nos.			
	DEDICATED EARTHING					
18	Earthing with copper earth plate 600 mm x 600mm x3mm 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	set			
19	Providing & fixing of 25mm x 5mm Copper strip (wrapped with good quality PVC sleeve and to be fixed on wall with proper insulator) in 40mm Dia G.I pipe from earth electrode including connections with brass nut,bolt,spring washer excavation and refilling etc as required.	90	Metre			
20	Providing & fixing earth bus of 50 mm x 5mm copper strip on insulator surface for connections etc. as required.	1	Metre			
21	1x16 sq.mm ISI marked,FRLS PVC insulated,single core copper conductor.	20	Metre			
22	Supplying and laying of 25 mm diameter steel armoured flexible pvc conduit as required	20	Metre			
				TOTAL		
	(Rupees					
i)	GST No.-	GST=CGST -9%, SGST-9%				
ii)	SAC No.-					
iii)	Please enclosed GST Registration certificate copy					
	Note: The quoted rate shall be inclusive of all taxes & duties,levies,cess etc i/c GST also Nothing extra will be paid to the Contrator except the accepted rate.i,ii & iii is mandetory.					

