

Schedule of Work						
Name of Work: Electrical Renovation Work for PHYSICS LAB situated in the CCRES 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 copper 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)	9	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	10	Metre			
b)	2X4sq.mm +1X4sq.mm earth wire	255	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	10	Nos			
b)	6 Module	13	Nos			
c)	8 Module	7	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)	5 pin 5/6 amp socket	14	Nos.			
b)	6 pin 15/16A Socket	38	Nos.			
c)	15/16 amp switch	40	Nos.			
5	Supply & drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor unarmoured telephone Cable in the existing surface/recessed steel/pvc conduit as required.	15	MT.			
6	Supply 36W,Metal,Squre(2'x2') recess mounting type LED light fitting (as per crompton Polaris Neo-I Cat. No. LCTLRNE-36-FO-CDL(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	8	Nos.			
7	Installation, testing and commissioning of pre-wired, LED fitting / compact Led 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.	8	Nos.			
8	Supplying & Fixing of modular type 25Amp A.C. starter switch with GI/PVC Box complete surface/recessed in wall.	5	Nos.			

Item No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs)	Remarks
9	Supplying and fixing of variable timer(National refrigeration make or equivalent make) to run both the AC periodically inside the room with complete connections,testing and commissioning etc. as required.	2	No.			
10	Supplying , fixing , connection, testing & commissioning 48"of 1200 mm sweep ceiling mounting type fan (CROMPTON/HAVELL'S make) complete with all accessories ,hardwares etc. as	1	Nos.			
11	supply and fixing of TPN(4P) sheet steel enclosure on surface/recess for 32A TPN MCB complete with connections,testing and commissioning etc. as required.	2	No.			
	XLPE armoured Al.& Copper cable: -					
12	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)	4cx35 sq.mm (ALUMINIUM)	25	mt.			
b)	4cx10 sq.mm (COPPER)	22	mt.			
c)	3cx 6 sq.mm (COPPER)	25	mt.			
13	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)	4cx35sq.mm(clamped with1mm thick saddle)	25	mt.			
b)	4cx10 sq.mm (clamped with1mm thick saddle)	22	mt.			
c)	3cx6 sq.mm (clamped with1mm thick saddle)	25	mt.			
	Cable Termination: -					
14	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)	3.5cx35 sq.mm	2	nos.			
b)	4cx10 sq.mm	4	nos.			
c)	3cx 6 sq.mm	2	nos.			
15	Providing & Fixing 4mm dia copper wire on surface/recess for loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.	144	mt.			
16	Supplying and fixing of following modular type Fan Regulator on the existing modular plate & switch box including connections but excluding plate etc. as required.	1	No			
17	supply and fixing of DP sheet steel enclosure on surface/recess along with 25/32 A 240 V "C" curve DP MCB complete with connections,testing and commissioning etc. as required.	2	No.			

Item No.	Description		Unit	Rate (Rs.)	Amount (Rs)	Remarks
18	supply and fixing of 32A,415V, TPN Industrial type socket outlet,with 4 pole and earth,metal enclosed plug top alongwith 32A "C" curve,TPMCB in sheet steel enclosure on surface/recess with chained metal cover for the socket out let complete with connections,testing and commissioning etc. as required.	1	No.			
19	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	1	No..			
b)	20 A MCB, SP	18	Nos.			
c)	16 A MCB, SP	8	Nos.			
d)	32 A MCB SP	2	Nos.			
e)	32 A MCB TP	2	Nos.			
20	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 with provision for mounting 4pole MCCB (But without MCB/RCCB/Isolator).					
a)	100A,12way(4+36) TPN DB	1	No.			
21	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle(mentioned above)panel board including drilling holes in cubicle					
	125 A,36 KA 4P MCCB	1	No.			
22	Installation,testing and commissioning of ceiling fan,including downrods of standard length with 1.5 sq.mm FRLS PVC insulated,copper conductor,single core cable etc.as required	1	No.			
				TOTAL		
	(Rupees.-					
i)	GST No.-					
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.					