

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE					
JADAVPUR, KALKATA-32					
NIT No:- IACS/WS/ADM/EL-Renovation/08/2015-16 DATE:- 12/11/2015					
NAME OF WORK: Electrical Renovation Work at Computer Building					
Sl. NO.	Description of Work.	Qty.	Unit	Rate	Amount
1	Wring for light pt/fan/ with 3x1.5 sq mm. multistarand.11kv.Gratde(Finolex/ KDK/ Havells make) in surface/recessed through heavy duty ISI marked rigid PVC conduit for 20mm.dia. embedded on wall after necessary chase cutting up to true ceiling/ false ceiling height etc. as will be required in order to make only drop line concealed and thereafter on wall/ ceiling by PVC saddle at an interval of 0.5 meter. maximum including supply & fixing of required PVC boxes and other PVC fitting complete with Modular Switch 5A Crabtree/Roma/ABB/North-West or similar superior make duly approved by IACS authority in connection MS. box with cover plate etc . and interconnection etc. complete as required with ceiling rose (3plate) having average run of 6Mtrs.	28	Nos.		
2	Wring for power plug/AC starter/working bench etc. with (2x4+1x4) sq. mm. sized multitude copper conductor FR PVC insulated cable (Finolex/ KDK /Havells make) in surface/recessed PVC rigid conduit (ISI mark) from separate way of MCB DB to power socket broad/ switch board /AC Starter etc. complete as required including connection /end termination etc as required.	211	RM		
3	Wring for power plug/AC starter/working bench etc. with (2x6+1x6) sq. mm. sized outstand copper conductor FR PVC insulated cable (Finolex /KDK/ Havells make) in surface/recessed PVC rigid conduit (ISI mark) from separate way of MCB DB to power socket broad/ switch board /AC Starter etc. complete as required including connection /end termination etc as required.	175	RM		

4	Supply and fixing of TPN 63 A rating MCB (Legrand make) in a DB with connection of cable as required . The MCBs shall be of "C" curve type having 10 KA breaking capacity.	2	Nos.		
5	Supply and fixing of SP 10 A To 32A rating MCB (Legrand make) in a DB with connection of cable as required . The MCBs shall be of "C" curve type having 10 KA breaking capacity.	24	Nos.		
6	Supplying and fixing (Legrand make)16 A to25A DP MCB rating.240/415 volts "C" curve, miniature circuit breaker suitable for inductive load of following poles in the Four poles enclosure ms box with connections, testing and commissioning etc, as required.	25	Nos.		
7	Supply, & fixing of modular type 3x6A and 1x16A 230V 6 pin socket outlet and 3x6A &1x16A piano key Modular type switch (make Crabtree//North West) or similar superior make duly approved by the IACS authority with suitable concealed M.S. box and cover plate 12 module etc. complete with inter connection etc. as required.	30	Nos.		
8	Supplying and fixing (Legrand make)50A TPN MCB rating 415 volts "C" curve, miniature circuit breaker suitable for inductive load of following poles in the Four poles MS enclosure box with connections, testing and commissioning etc, as required.	2	Nos.		
9	Supplying and fixing (Legrand make)30A TPN MCB rating 415 volts "C" curve, miniature circuit breaker suitable for inductive load of following poles in the Four poles MS enclosure box with connections, testing and commissioning etc, as required	4	No		
10	Supply & fixing of 15w Green LED light fittings (as per Phillips CAT no BBS170 Color- White) with lamps of hangings the ceiling on the falls ceiling 2 ft /2 ft ¾" Plywood with fast nut bolt with GI chain as required.	11	Nos.		

11	GI chain & first nut Supply & fixing of tube light fitting (make Philips with reflector & light TBS669M 2xTLS 28W EBD for false ceiling) on ceiling with bolt. as required.	18	Nos.		
12	Four end termination of cable must be gland & fixing double heavy duties copper socket .with PVC tape , nut bolt ,etc as required.	8	Set.		
13	Supply & laying with cable 4 sq mm copper earth thing wire and end termination socked.	120	RMS		
14	Supply & fixing 2 pair 0.5 sq mm FR PVC insulated annealed copper conductor ,Unarmored telephone cable in the existing surface/recessed PVC conduit with RJ II socket as required one Point.	5	RMS		
15	Supply, & fixing of modular type 1x16A 230V 6 pin socket outlet and (make Crabtree//North West) or similar superior make duly approved by the IACS authority with suitable concealed M.S. box and cover plate And 16A Plug top etc. complete with inter connection etc. as required.	10	Nos.		
16	S&L4 core, 6 sq mm XLPE insulated PVC sheathed Arm. Copper conductor cable of Gloater/NICCO make on surface with 1/2mrt.gape aluminum saddles along with all necessary hardwires etc. as required as per direction of Engineer- in- charge.	74	RMS.		
17	Supply and fixing following way Double door pre wired TP&N MCB distribution board of steel for 415 volts on surface/recess complete tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthling etc. as required. (But without MCB/RCCB/ISOLATOR).8 way (4+24), Double door. Make Legend.	1	Nos.		

18	Supplying and fixing 8 way Double door surface recess mounting, vertical type, 415 volts, TPN MCB DB of lose wire box terminal connection of all incoming and outgoing circuits dully rewired with adequate size of FRLS PVC insulated copper conductor up to terminals connector sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth for bar, din bar for mounting as required, interconnection between incomer MCB and bus bars (but without MCB's)as required (Note: Vertical type MCB TPDB is normally used where TPN outlets are required)	1	No.		
19	Dismantling old ,tube set, wiring about 250 met. and switch board 2 DB ,50 sq mm Some cable but Lab Running condition -1 Job.				
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