

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE					
JADAVPUR,KALKATA-32					
NIT NO;- IACS/WS/SB/14/29			DATE:-01-07-2014		
NAME OF WORK: Electrical Renovation Work at main building of Room No,127.Prof.S.K.Saha					
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 20 mm. 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,5ACrabtree/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.	5	Nos.		
2.	S&L 4 core 35 sq mm XLPE insulated PVC sheathed Arm. All-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.	30	Rm.		
3.	Four end termination of cable must be gland & fixing double heavy duties copper socket .with PVC tape , nut bolt ,etc as required.	2	Nos.		
4.	Supply & laying with cable 4 sq mm copper earth thing wire and end termination socked.	71	Rm.		

5.	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.	15	Nos.		
6.	Supplying & fixing of modular type 2x16/6A-230V 6 pin socket outlet with 2x16A-320V piano key switch of Modular type (make Crabtree/North West) or similar superior make duly approved by the IACS authority with suitable concealed M.S. box and cover plate 6 module etc .complete with inter connection etc. as required	2	Nos.		
7.	Supplying & fixing of modular type 2x16/6A-+2x6A 230V 6 pin socket outlet with 2x16A-+2x6A 320V piano key switch of Modular type (make Crabtree/North West) or similar superior make duly approved by the IACS authority with suitable concealed M.S. box and cover plate 6 module etc .complete with inter connection etc. as required	8	Nos.		
8.	Supply and fixing of SP 10 A To 20A rating MCB (Le grand make ) in a DB with connection of cable as required . The MCB s shall be of "C" curve type having 10 KA breaking capacity	13	Nos.		
9.	Supplying and fixing (Leg rand make ) 20 A 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	2	Nos.		
10.	Supplying and fixing (Leg rand make ) TPN 63A 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	2	Nos.		
11.	Supply & fixing of motor starter switch (SP) with overload protection modular type coupled with modular 25 A ,3 pin socket5 and top (Havey duties) assembled in a suitable for 2 T /1.5 T Air-condition.	2	Nos.		

12.	Supplying and fixing 8 way (4+24), Double door prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuit, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal block, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. ( But with out MCB/RCCB/Isolator).	1	Nos.		
13.	Supply & fixing of tube light fitting (make Phillips with reflector TBS669M 2xTLS 28W EBD for false ceiling ) on ceiling with GI chain & first nut bolt. as required.	4	Nos.		
14.	Supply & testing one regulator type 16 inch Havells, stand fan/ pedestal fan 450 mm.(Model Turbo Force).	1	Nos.		
15.	Wiring for power plug/AC starter/working bench etc. with multitude copper conductor FR,PVCinsulated cable (Finolex/ KDK /Havells make) in surface/recessed PVC rigid conduit (ISI mark) from separate way of MCB DB to power socket board/ switch board /AC Starter etc. complete as required including connection /end termination etc as required following size.				
a.	2x4 +1x 4 Sq mm.	19	RM		
b.	2 x 6 + 1 x 6 Sq. mm	116	RM		
				Total=	
16.	Miscellaneous Works including new work, procurement of new item as per the requirement of the Engineer in Charge to expedite the work @ 10% of the total amount up to previous item				
				Grand Total=	