

Estir **Electrical renovation works to Pilot Plant Shed No. 4 in Chemical Engineering Div. at NEIST Jorhat**

SI No	Particulars of the item	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	Wiring for light/fan point with 1.5 sq. mm. Size PVC insulated coper wires of 1.1 KV grade (Havells make) approved by the department single core copper conductor cable in surface PVC cashing caping wiring system including 6A flash tyep mini modular switch (Maru Neo speed 201), cover plate ,ceiling rose , angle holder (Maru Neo speed), 4x4 PVC switch board (Presto Plast) etc in 19 mm size flate PVC cashing caping (Presto Plast Make) complete as required and directed by deptt. Group-C	22	Each		
2	Wiring for 5 pin 16 A power plug point with 4 sq. mm PVC insulated unsheathed (Havells Make) single core copper conductor cable in surface PVC cashing caping (Presto Plast) wiring system including providing and fixing 5 pin 16 A flush type switch (Maru Neo speed) and socket (Maru neo speed) , fitted on 8 x 6 size PVC switch board cover including earth continuity with 2.5 sq.mm copper conductor cable to the third pin of the plug socket etc complete as required and specified by deptt. (a) Medium point up to 6.00 M (b) Long point up to 10.00 M (c) Extra long point up to 15.00 M	4 5 8	Each Each Each		
3	Wiring as above item No. 02 when 5 pin 16 A plug point with switch and socket with cover plate fixed on same board (Maru Neo speed)	17	Each		
4	Wiring for sub-main wiring with the following size of PVC insulated, unsheathed copper conductor, single core cable (Havells Make) in surface PVC cashing caping (presto Plast) as required. (a) With 2 x 2.5 sq. mm. + earth continuity 1 x 2.5 sq. mm. PVC insulated unsheathed single core copper in PVC cashing caping. (b)With 2 x 6.0 sq. mm. + earth continuity 1 x 2.5 sq. mm. PVC insulated unsheathed single core copper cable in PVC cashing caping. (c)With 4 x 6 sq. mm. + earth continuity 1 x 2.5 sq. mm. PVC insulated unsheathed single core copper cable in 32mm dia PVC casing caping. (d)With 4 x 10 sq. mm. + earth continuity 1 x 4.0 sq. mm. PVC insulated unsheathed single core copper cable in 32mm dia PVC casing caping.	20 170 60 35	Mtr Mtr Mtr Mtr		
5	Supplying with fitting and fixing 4+12 way sheet steel phosphatised, power painted double door surface mounting vertical MCB TPN MCB DB incorporated with 63 AMP 4-pole MCB, 12 nos, 6-32 A MCB-SP ,bus bar, neutral link, earth bar and din rail etc.. complete with making necessary connection as specified and directed by deptt. (Havells Make DHDNTH0DPW04)	3	Each		
6	Supplying with fitting and fixing 40 A 2 Pole MCB DP with sheet steel phosphatised, power painted 2 way MCB enclosure complete with necessary connection etc as specified and directed by deptt. (Havells Make)	13	Each		

7	Supplying with fitting and fixing 4 way sheet steel phosphatised, power painted double door surface mounting vertical MCCB TPN DB incorporated with 1 no. 16 kA 100 A 3 pole MCCB , 4 nos, 63A MCB-TP ,bus bar, neutral link, earth bar and din rail etc.. complete with making necessary connection as specified and directed by deptt. (Havells Make DHDLVDRWNTB04)	1	Each		
8	Supplying, installation, testing and commissioning of decorative striplite luminaries of 1 x 28watt FTL-T5 prewired light fitting including connection with 1.5 sw. mm. Single core copper wire as required and directed by deptt. (Havells Make LHIT05128032)	2	Each		
9	Supplying, installation, testing and commissioning of 400mm sweep 3 blade double ball bearing wall mounted fan (Havells) complete with necessary connection as required and directed by deptt.	4	Each		
10	Supplying, installation, testing and commissioning of 4 step hum free modular type ceiling fan regulator complete with all accessories and necessary connection as required . (Kolors Make. Cat No. KK-1042A)	2	Each		
11	Supplying, installation, testing and commissioning of 300mm sweep 3 blade heavy duty exhaust fan (Havells) including making hole , air shutter, necessary connection as required and directed by deptt.	2	Each		
12	Supplying, installation, testing and commissioning of 1 x 23 watt CFL ceiling mounted down light h complete with all necessary connection etc as required and directed by deptt. Havells Make	8	Each		
13	Providing and fixing of 23 watt general holder type CFL lamp (Orpat Make) on the existing lamp holder complete with all necessary connection as required.	14	Each		
14	Supplying and laying following sizes of PVC/XLPE insulated and sheathed 11 kV grade armored aluminium stranded U.G. conductor cable laid in ground and partially in air (10 % of cable length) including excavation of cable trench up to 30C X 75 cm, refilling , protective 1st class brick covering, sand cushioning etc. complete as specified and directed by the deptt. Havells Make (a) 4 x 35 sq. mm	70	Mtr		
15	Making good by damage done including painting etc.	L/S			500.00
	Total Tender Cost in Rs.				500.00

Rupees :

Estir **Service connection to newly installed water pump at NEIST colony Jorhat**

Sl No	Particulars of the item	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	Supplying ,installation, testing and commissioning of Load Bank ready made prewired distribution out door type floor mounted feeder box made of 2mm thick CRCA sheet steel of size 630 mm width x 165 mm depth x 1054 mm height made of phosphatised powder painted wall mounting panel board complete with necessary cement grounding , 2 x 6 way LH & RH cable alley, copper bus bar, Din rail, neutral bar, earth bar etc. for accomodation of 1 no. 4 pole MCCB incomer and as specified and directed by the deptt constina of the following : (a) MCCB –125 A, 4P : 1 No. (b) Copper bus bar 200A : 1 No. (4 strip)	3	Each		
2	Installation of Earth Station with 42.90 mm. (1.5 inch) dia and 4.50 mtr. Long GI pipe with necessary GI reducing socket 42.90mm x 20mm size, 8 SWG bare copper conductor (10 Mtr) locking arrangement with cover plate, funnel, GI nut & bolts etc. salt (5kg) and charcoal (64 kg) complete as required.	2	Each		
3	Supplying and laying following sizes of PVC/XLPE insulated and sheathed 11 kV grade armored aluminium stranded U.G. conductor cable laid in ground and partially in air (10 % of cable length) including excavation of cable trench up to 75 cm, refilling , protective brick covering, sand cushioning etc. complete as specified and directed by the deptt. including providing and fixing cable flag at 5 meters interval of cable route of size 1m in height with arrow mark as specified by the department (i) 3.5 x 35 sq.mm.	468	Mtr		
4	Supplying and laying following sizes of PVC/XLPE insulated and sheathed 11 kV grade armored aluminium stranded U.G. conductor cable laid in pucca trench/road crossing and partially in air (10 % of cable length) including excavation of cable trench up to 75 cm, refilling , protective brick covering, sand cushioning etc. with 3 inch dia medium quality GI pipe (Jindal Make) complete as specified and directed by the deptt. (i) 3.5 x 35 sq.mm.	36	Mtr		
Total Tender cost Rs					

NB ; any damage caused to the existing cables at the time of execution of work will have to be borne by the contractor.

Estir Replacement of Old Distribution Boxes in Bio-Technology Div. at NEIST Jorhat

SI No	Particulars of the item	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	Wiring for light/fan point with 1.5 sq. mm. Size PVC insulated copper wires of 1.1 KV grade (Havells make) approved by the department single core copper conductor cable in surface PVC casking caping wiring system including 6A flash tyep mini modular switch (Maru Rainbow-651), cover plate (Maru=683) ,ceiling rose (Maru Neo speed), 4x4 PVC switch board (Presto Plast) etc in 19 mm size flate PVC casking caping (Presto Plast Make) complete as required and directed by deptt. Group-C	14	Each		
2	Wiring for 5 pin 16 A power plug point with 4 sq. mm PVC insulated unsheathed (Havells Make) single core copper conductor cable in surface PVC casking caping (Presto Plast) wiring system including providing and fixing 5 pin 16 A flush type switch (Maru 677) and socket (Maru 679) , cover plate approved fitted on 8 x 6 size PVC switch board cover including earth continuity with 2.5 sq.mm copper conductor cable to the third pin of the plug socket etc complete as required and specified by deptt. (a) Medium point up to 6.00 M	9	Each		
3	Wiring as above item No. 02 when 5 pin 16 A plug point with switch and socket with cover plate fixed on same board (Maru Rainbow Mini modular Make. Cat 677 & 679)	9	Each		
4	Wiring for sub-main wiring with the following size of PVC insulated, unsheathed copper conductor, single core cable (finolex Make) in surface PVC casking caping (presto Plast) as required. (a) With 2 x 2.5 sq. mm. + earth continuity 1 x 2.5 sq. mm. PVC insulated unsheathed single core copper in PVC casking caping. (b)With 2 x 6.0 sq. mm. + earth continuity 1 x 2.5 sq. mm. PVC insulated unsheathed single core copper cable in PVC casking caping. (c)With 4 x 10 sq. mm. + earth continuity 1 x 4.0 sq. mm. PVC insulated unsheathed single core copper cable in 32mm dia PVC casing caping. (d)With 4 x 16 sq. mm. + earth continuity 1 x 6.0 sq. mm. PVC insulated unsheathed single core copper cable in 32mm dia PVC casing caping. (e)With 4x 25 sq. mm. + earth continuity 1 x 10.0 sq. mm. PVC insulated unsheathed single core copper cable in 32mm dia PVC casing caping conduit.	100 60 293 100 60	Mtr Mtr Mtr Mtr Mtr		
5	Supplying with fitting and fixing 4+12 way sheet steel phosphatised, power painted double door surface mounting vertical MCB TPN MCB DB incorporated with 63 AMP 4-pole MCB, 12 nos, 6-32 A MCB-SP ,bus bar, neutral link, earth bar and din rail etc.. complete with making necessary connection as specified and directed by deptt. (Havells Make DHDNTH0DPW04)	9	Each		

6	Supplying with fitting and fixing 40 A 2 Pole MCB DP with sheet steel phosphatised, power painted 2 way MCB enclosure complete with necessary connection etc as specified and directed by deptt. (Havells Make)	6	Each		
7	Supplying with fitting and fixing 4 way sheet steel phosphatised, power painted double door surface mounting vertical MCCB TPN DB incorporated with 1 no. 16 kA 100 A 3 pole MCCB , 4 nos, 63A MCB-TP ,bus bar, neutral link, earth bar and din rail etc.. complete with making necessary connection as specified and directed by deptt. (Havells Make DHDLVDRWNTB04)	6	Each		
8	Supplying, installation, testing and commissioning of decorative striplite luminaries of 1 x 28watt FTL-T5 prewired light fitting including connection with 1.5 sw. mm. Single core copper wire as required and directed by deptt. (Havells Make LHIT05128032)	12	Each		
9	Supplying, installation, testing and commissioning of 300mm sweep 3 blade heavy duty exhaust fan (Havells) including making hole , air shutter, necessary connection as required and directed by deptt.	2	Each		
10	Making good by damage done including painting etc.	L/S			
	Total Tender Cost Rs.				