

**ELECTRICAL INSTALLATION WORK AT ANDREW YULE & CO LTD**

SL NO	Description of work	Qty	Rate	Amount
	<b><u>PART - A</u></b>			
1	<b><u>SUB MAIN WIRING</u></b> Supplying and lying submain wiring with PVC insulated 1.1 KV grade FR single core stranded copper wire in rigid PVC conduit as required, with all accessories partly surface / partly recess including chasing the wall and mending good the damages and making connections.			
a)	2 x 2.5 sq.mm. + 1 x 1.0 sq.mm (as earth) PVC insulated single core copper wire in 20mm dia rigid PVC conduit.	1310 M		
b)	2 x 6.0 sq mm + 1 x 1.5 sq.mm (as earth) PVC insulated single core copper wire in 20mm dia rigid PVC conduit.	50 M		
c)	4 x 6.0 sq.mm + 1 x 2.5 sq.mm (as earth) PVC insulated single core copper wire in 25mm dia rigid PVC conduit.	70 M		
2	<b><u>SPN DISTRIBUTION BOARD (MCB TYPE) :</u></b>  Supplying installation and testing 250V single phase and neutral, double door MCB type distribution board, complete with MCBs, phase bar, earth & neutral bar, din channel, internal PVC insulated copper wiring, including connections and mending good all the damages etc. as required.  Havell's Make 12 way S.P.N. DB with 32A DP MCB (10KA) as incomer with 5 Nos. 16A SP and 5 Nos. 10A SP MCB as outgoing	2 Nos		
3	<b><u>TPN DISTRIBUTIONB BOARD (FOR A.C.)</u></b>  Supplying, installation and testing Triple Pole & Neutral, double door MCB type distribution board, complete with MCBs, phase bar, earth & neutral bar, din channel, internal PVC insulated copper wiring, including connections and mending good all the damages etc. as required.  4 way T.P.N. with 63A 4P MCB (10KA) as incomer & 8 Nos. 25A SP MCB as outgoing	3 Nos		

4	<p><b><u>TPN DISTRIBUTION BOARD (FOR COMPUTERS) :</u></b></p> <p>Supplying, installation and testing Triple Pole &amp; Neutral, double door MCB type distribution board, complete with MCBs, phase bar, earth &amp; neutral bar, din channel, internal PVC insulated copper wiring, including connections and mending good all the damages etc. as required.</p> <p>4 way T.P.N. with 40 A 4P MCB (10KA) as incomer &amp; 12 Nos. 20A SP MCB as outgoing</p>	2 Nos			
5	<p><b><u>CABLE :</u></b></p> <p>Supply &amp; Lying Havells make 1.1 KV grade XLPE insulated armoured aluminium cable on wall by G.I. saddle of the following sizes :</p> <p>a) 3.5 Core x 70 sq.mm Al Cable</p> <p>b) 3.5 Core x 35 sq.mm Al Cable</p> <p>c) 3.5 Core x 25 sq.mm Al Cable</p> <p>d) 2 Core x 10 sq.mm Al Cable</p>	<p>50 M</p> <p>106 M</p> <p>-</p> <p>105 M</p>			
6	<p><b><u>END TERMINATION</u></b></p> <p>End termination of the following cable by crimping method with single compression brass cable gland and Dowells' make aluminium lugs</p> <p>a) 3.5 Core x 70 sq.mm Al Cable</p> <p>b) 3.5 Core x 35 sq.mm Al Cable</p> <p>c) 3.5 Core x 25 sq.mm Al Cable</p> <p>d) 2 Core x 10 sq.mm Al Cable</p>	<p>4 Nos</p> <p>8 Nos</p> <p>-</p> <p>2 Nos</p>			
7	<p><b><u>CHANGEOVER SWITCH :</u></b></p> <p>a) Supply and fixing and connection Havells make 100 A 4 Pole on-load Changeover Switch</p> <p>b) Supply and fixing and connection Havells make 32 A Single Phase Off-load Changeover Switch</p>	<p>1 No.</p> <p>2 Nos</p>			

8	<b><u>SWITCH / MCB :</u></b>			
a)	Supply, fixing and connection Havells make 200 A TPN Switch Fuse Unit (rewirable type) complete with cable end box	1 No		
b)	Supply, fixing and connection Havells make 100 A TPN Switch Fuse Unit (rewirable type) complete.	1 No		
c)	Supply, fixing and connection Havells make 16A DP MCB with Enclosure	28 Nos		
9	<b><u>BUSBAR :</u></b>			
a)	Supply, installation, testing & commissioning 200A TPN Copper Busbar Box with angle iron frame	2 Nos		
b)	Supply, installation, testing & commissioning 100A TPN Copper Busbar Box with angle iron frame	1 No		
	<b><u>CABLE END BOX :</u></b>			
a)	Supply & installation of Cable End Box for 200A TPN SFU with 16 swg sheet with detachable bottom plate	4 Nos		
b)	Supply & installation of Cable End Box for 100A TPN SFU with 16 swg sheet with detachable bottom plate	1 No		
11	Running earth for cables with 16 swg G.I. wire	300 M		

SL NO	Descrip of work	Qty	Rate	Amount
	<b><u>PART - B</u></b>			
1	<b><u>POINT WIRING FOR LIGHT &amp; FANS</u></b>  Point wiring with 1.1 KV grade 3 x 1.0 Sq.mm PVC insulated FR single core copper wire partly in surface / partly recess with 20 mm dia rigid PVC conduit pipe with all accessories and supply and fixing piano type switch, sockets, ceiling rose, switch board with hylam cover & step type electronic fan regulator etc, cutting the wall and mending good the damages. (Average Point Length is 8 Meter & more)			
a)	1-Light point controlled by 1 switch	32 Nos		
b)	2-Light point controlled by 1 switch (Avg. PL Length - 18 M)	12 Nos		
c)	Ceiling Fan point with electronic fan regulator	17 Nos		
d)	6A 5 pin Socket point on switch board	12 Nos		
e)	6A 5 pin Socket point away from SB	12 Nos		
f)	Call bell point with buzzer	10 Nos		
2	<b><u>POINT WIRING FOR (A.C.) :</u></b>  Point wiring A.C point with 1.1 KV grade 2 x 4.0 Sq.mm + 1 x 2.5 sq.mm PVC insulated FR single core copper wire partly in surface / partly recess with 20 mm dia rigid PVC conduit pipe including supply and fixing of PVC Conduit pipe with all accessories & cutting the wall and mending good the damages.	300 M		
3	<b><u>FOR COMPUTER :</u></b>			

	Wiring for first point of a multiple point switch system complete with supplying and fixing 20 mm dia PVC Conduit with all accessories, wiring from DB to first power point with 2 x 2.5 Sq.mm + 1 x 1.5 sq.mm PVC insulated copper wire and all connections (3 point in 1 circuit)	525 M		
4	Supply & installation of 6/16A piano type socket outlet complete with the following	28 Nos		
a)	1 No. 16A piano type switch			
b)	3 Nos 6A 6 pin piano type socket			
c)	1 No. GI box with hylam cover to accommodate the above			
d)	All hardware and electrical interconnections			
5	Supply and installation of Window AC outlet point comprising of 1 No. 20A DP MCB (motor protection series), 1 No. 2 pin and earth 30A industrial socket and 1 No. A/C Starter 1.5 TR North West make housed in a recessed metallic enclosure	12 Nos		
6	<b><u>TELEPHONE / UPS AND LAN :</u></b>  Conduit laying for Lan & Telephone wiring ISI marked medium duty rigid PVC with 2mm thickness complete with all accessories etc.			
a)	20 mm dia	1000 M		
b)	25 mm dia	400 M		
7	<b><u>LAN POINT</u></b>  Supplying and providing modular type LAN cord outlet points including supplying and fixing of recessed metallic box, switch plate and all civil works	31 Nos		
8	<b><u>TELEPHONE POINT :</u></b>  a) Supplying and providing modular type RJ 11 telephone jack including supplying and fixing of recessed metallic box, switch plate and all civil works	27 Nos		
b)	Wiring for Telephone Point with two pair 0.5 mm dia PVC insulated tint telephone wire	480 M		
9	Dismantling in all rooms & passage of existing wiring Light, Fans, Switch Board Main Switch, D.Bs, Cables from No.(1-17) in all electric accessories etc.	10 Nos		

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10	FIXING OF LIGHT FITTINGS & FANS			
a)	Surface mounted 1 x 40 W Luminaries Philips type TMS 2001/140 HF or equivalent	65 Nos		
b)	Surface mounted 2 x 40 W Luminaries Philips type TMS 2001/140 HF or equivalent	-		
c)	Supply installation connection and commissioning of 1400mm sweep ceiling fan on ceiling. (Orient / Havells) make	-		
d)	Supply installation connection and commissioning of 1200mm sweep ceiling fan on ceiling. (Orient / Havells) make	28 Nos		
	<b><u>PART - C</u></b>			
1	POINT WIRING FOR LIGHT & FANS  Point wiring with 1.1 KV grade 3 x 1.0 Sq.mm PVC insulated FR single core copper wire partly in surface / partly recess with 20 mm dia rigid PVC conduit pipe with all accessories and supply and fixing piano type switch, sockets, ceiling rose, switch board with hylam cover & step type electronic fan regulator etc, cutting the wall and mending good the damages. (Average Point Length is 8 Meter & more)			
a)	1-Light point controlled by 1 switch	21 Nos		
b)	2-Light point controlled by 1 switch (Avg. PL Length - 18 M)	-		
c)	Ceiling Fan point with electronic fan regulator	11 Nos		
d)	6A 5 pin Socket point on switch board	10 Nos		
e)	6A 5 pin Socket point away from SB	10 Nos		
f)	Call bell point with buzzer	07 Nos		
2	<b><u>POINT WIRING FOR (A.C.) :</u></b>			

	Point wiring A.C point with 1.1 KV grade 2 x 4.0 Sq.mm + 1 x 2.5 sq.mm PVC insulated FR single core copper wire partly in surface / partly recess with 20 mm dia rigid PVC conduit pipe including supply and fixing of PVC Conduit pipe with all accessories & cutting the wall and mending good the damages.	250 M		
3	<b><u>FOR COMPUTER :</u></b>  Wiring for first point of a multiple point switch system complete with supplying and fixing 20 mm dia PVC Conduit with all accessories, wiring from DB to first power point with 2 x 2.5 Sq.mm + 1 x 1.5 sq.mm PVC insulated copper wire and all connections (3 point in 1 circuit)	305 M		
4	Supply & installation of 6/16A piano type socket outlet complete with the following	17 Nos		
a)	1 No. 16A piano type switch			
b)	3 Nos 6A 6 pin piano type socket			
c)	1 No. GI box with hylam cover to accommodate the above			
d)	All hardware and electrical interconnections			
5	Supply and installation of Window AC outlet point comprising of 1 No. 20A DP MCB (motor protection series), 1 No. 2 pin and earth 30A industrial socket and 1 No. A/C Starter 1.5 TR North West make housed in a recessed metallic enclosure	10 Nos		
6	<b><u>TELEPHONE / UPS AND LAN :</u></b>  Conduit laying for Lan & Telephone wiring ISI marked medium duty rigid PVC with 2mm thickness complete with all accessories etc.			
a)	20 mm dia	250 M		
b)	25 mm dia	100 M		
7	<b><u>LAN POINT</u></b>  Supplying and providing modular type LAN cord outlet points including supplying and fixing of recessed metallic box, switch plate and all civil works	15 Nos		



8	<b><u>TELEPHONE POINT :</u></b>			
a)	Supplying and providing modular type RJ 11 telephone jack including supplying and fixing of recessed metallic box, switch plate and all civil works	12 Nos		

b)	Wiring for Telephone Point with two pair 0.5 mm dia PVC insulated tint telephone wire	220 M		
9	Dismantling in all rooms & passage of existing wiring Light, Fans, Switch Board Main Switch, D.Bs, Cables from No.(1-17) in all electric accessories etc.	07 Nos		
10	FIXING OF LIGHT FITTINGS & FANS			
a)	Surface mounted 1 x 40 W Luminaries Philips type TMS 2001/140 HF or equivalent	21 Nos		
b)	Surface mounted 2 x 40 W Luminaries Philips type TMS 2001/140 HF or equivalent	-		
c)	Supply installation connection and commissioning of 1400mm sweep ceiling fan on ceiling. (Orient / Havells) make	-		
d)	Supply installation connection and commissioning of 1200mm sweep ceiling fan on ceiling. (Orient / Havells) make	11 Nos		
	<b><u>PART - D</u></b>			
1	POINT WIRING FOR LIGHT & FANS  Point wiring with 1.1 KV grade 3 x 1.0 Sq.mm PVC insulated FR single core copper wire partly in surface / partly recess with 20 mm dia rigid PVC conduit pipe with all accessories and supply and fixing piano type switch, sockets, ceiling rose, switch board with hylam cover & step type electronic fan regulator etc, cutting the wall and mending good the damages. (Average Point Length is 8 Meter & more)			
a)	1-Light point controlled by 1 switch	56 Nos		
b)	2-Light point controlled by 1 switch (Avg. PL Length - 18 M)	04 Nos		
c)	Ceiling Fan point with electronic fan regulator	19 Nos		
d)	6A 5 pin Socket point on switch board	21 Nos		
e)	6A 5 pin Socket point away from SB	16 Nos		

f)	Call bell point with buzzer	12 Nos		
2	<b><u>POINT WIRING FOR (A.C.) :</u></b>  Point wiring A.C point with 1.1 KV grade 2 x 4.0 Sq.mm + 1 x 2.5 sq.mm PVC insulated FR single core copper wire partly in surface / partly recess with 20 mm dia rigid PVC conduit pipe including supply and fixing of PVC Conduit pipe with all accessories & cutting the wall and mending good the damages.	200 M		
3	<b><u>FOR COMPUTER :</u></b>  Wiring for first point of a multiple point switch system complete with supplying and fixing 20 mm dia PVC Conduit with all accessories, wiring from DB to first power point with 2 x 2.5 Sq.mm + 1 x 1.5 sq.mm PVC insulated copper wire and all connections (3 point in 1 circuit)	440 M		
4	Supply & installation of 6/16A piano type socket outlet complete with the following	23 Nos		
a)	1 No. 16A piano type switch			
b)	3 Nos 6A 6 pin piano type socket			
c)	1 No. GI box with hylam cover to accommodate the above			
d)	All hardware and electrical interconnections			
5	Supply and installation of Window AC outlet point comprising of 1 No. 20A DP MCB (motor protection series), 1 No. 2 pin and earth 30A industrial socket and 1 No. A/C Starter 1.5 TR North West make housed in a recessed metallic enclosure	08 Nos		
6	<b><u>TELEPHONE / UPS AND LAN :</u></b>  Conduit laying for Lan & Telephone wiring ISI marked medium duty rigid PVC with 2mm thickness complete with all accessories etc.			
a)	20 mm dia	720 M		
b)	25 mm dia	100 M		
7	<b><u>LAN POINT</u></b>			

	Supplying and providing modular type LAN cord outlet points including supplying and fixing of recessed metallic box, switch plate and all civil works	23 Nos		
8	<b><u>TELEPHONE POINT :</u></b>			
a)	Supplying and providing modular type RJ 11 telephone jack including supplying and fixing of recessed metallic box, switch plate and all civil works	13 Nos		
b)	Wiring for Telephone Point with two pair 0.5 mm dia PVC insulated tint telephone wire	260 M		
9	Dismantling in all rooms & passage of existing wiring Light, Fans, Switch Board Main Switch, D.Bs, Cables from No.(1-17) in all electric accessories etc.	16 Nos		
10	<b>FIXING OF LIGHT FITTINGS &amp; FANS</b>			
a)	Surface mounted 1 x 40 W Luminaries Philips type TMS 2001/140 HF or equivalent	60 Nos		
b)	Surface mounted 2 x 40 W Luminaries Philips type TMS 2001/140 HF or equivalent	-		
c)	Supply installation connection and commissioning of 1400mm sweep ceiling fan on ceiling. (Orient / Havells) make	-		
d)	Supply installation connection and commissioning of 1200mm sweep ceiling fan on ceiling. (Orient / Havells) make	19 Nos		