BILL OF QUANTITIES FOR ELECTRICAL, LIGHTING & DATA NETWORKING WORKS AT STATE BANK OF INDIA, HAMIRPUR RBO at, HAMIRPUR (H.P)

S.No.	Item / Specifications	Qnty.	Units	Rate	Amount
PART-I :	COMPUTER POINTS & DISTRIBUTION				
1.1	Supply all material, storing, handling, fixing and laying of 3X2.5 Sq. mm.	98	each		
	of PVC insulated PVC sheathed armoured cable of 1100 V (IS 1554, Part				
	1) and fixing of cable on wall with suitable size of clamps /saddles or				
	laid in floor/recess wall including cutting of wall /floor and making				
	good the damages etc for computer points in suitable size of box				
	fabricated with 16 G MS sheet including providing 3 nos 5 amps 3 pin				
	modular sockets to be provided under table top and controlled by 1				
	no 5 A moduler type switch, (to be provided above the table top in				
	partition) with moduler cover plate & suitable brass gland with				
	termination etc complete as required., indicator and fuse mounted				
	on 3 mm thick ISI marked hylam sheet and painting of box etc				
	complete as required Note; max. two computer points are to be				
	provided on one circuit.				
1.2	As per item 1 above but with 2 Nos. 15 A 5 pin socket controlled by 1	10	each		
	no 15 A switch and indicator.(ON UPS POWER)				
1.3	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)	2 X 6 sq. mm + 1 X 2.5 sq. mm earth wire for UPS Output Supply	45	Mtr		
b)	4 X 6 sq. mm + 1 X 2.5 sq. mm earth wire for UPS input Supply	45	Mtr		
,					
1.4	Wiring for light point/ Ceiling fan point/ exhaust fan point with 1.5				
	sq.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. including				
	circuit wiring with 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire as				
	required.				
A	1 no. light controlled by 1 no. switch	60	no		
В	2 no. light controlled by 1 no. switch	85	no		
С	5/6 pin 6 amp plug point with 6 amp switch	20	no.		
D	Primary Wall fan point controlled by 5 AMP socket controlled by 5amp	22	no.		
	switch		-		
E	1 no. 15Amp 5 Pin Socket controlled by 1 no. 15 Amp. Switch	48	no.		
	One Circuit for maximum 2 points				
1.5	As per item 1 above for <u>air conditioning points</u> complete with Supply	9	each		
_	installation testing and commissioning of 3 pin 20/25 A 3 pin metal				
	clad industrial type plug and socket arrangement with plug top, cap				
	and chain controlled by 1 no 32 A SP MCB.(1.5 TR Acs) Note;				
	Independent circuit for AC point is to be provided starting from				
	distribution system.				
1.6	Supply installation testing and commissioning of 3 pin 30A 3 pin metal	10	each	<u> </u>	
	clad industrial type plug and socket arrangement with plug top, cap		50011		
	and chain controlled by 1 no 32 A DP MCB.(For 2 TR Acs) Note;				
	Independent circuit for AC point is to be provided starting from				
	distribution system.				
1.7	Supply, installation testing and commissioning of factory fabricated			+ +	
1.7	distribution board rust inhibited				
	powder coated sheet fabricated comprising of incoming and outgoing	1			
	isolator & MCBs neutral link or neutral bus, top and bottom				
	detachable entry earthing bolts interconnection and grouting bolts etc				
	complete as required as per details below				

a)					
	12-way SPN MCBDB Double Door in recessed wall including cutting of	5	no.		
, '	wall and making good the damages comprising 1 no 63 A DP Isolator				
	and 10 Nos. 6/10 A MCBS etc complete as required.				
b)	8-way SPN MCBDB Double Door in recessed wall including cutting of	2	no.		
	wall and making good the damages comprising 1 no 63 A DP Isolator				
	and 6 Nos. 6/10 A MCBS etc complete as required.				
c)	4 way SPDB comprising 1 no 63 A Four Pole TPNMCB (for UPS).	2	no.		
d)	4 way SPDB comprising of 2 nos 63A DP MCB (for UPS).	4	no.		
<u> </u>					
e)	4 Way TP MCBDB Double Door in recessed wall including cutting of	4	no.		
	wall and making good the damages comprising 1 no 100 A 4P				
	TPNMCB and 6 Nos. 32 A DPMCBS etc complete as required. (
	AC DB)				
f)	4 Way TP MCBDB Double Door in recessed wall including cutting of	6	no.		
	wall and making good the damages comprising 1 no 100 A 4P TPN and	-			
	12 Nos. 6-32 A SPMCBS etc complete as required.2 x (LIGHT /POWER				
	Dbs)				
1.8	Supply installation testing and commissioning of following 3 pin metal				
	clad industrial type plug and socket arrangement with plug top, cap				
	and chain controlled by 1 No MCB				
(-)		4			
(a)	20 Amps. with 20 Amp. SP MCB.	4	no.		
(b)	30 Amps. with 63 Amp. DP MCB.	3	no.		
1.90	Providing and fixing of suitable size MS box fabricated with 16 G MS	1	job		
	sheet either in recess wall or on surface to accommodate dedicated				
	earth from earth electrode and further distribution of earth to				
	computer points including providing of 5 mm bakelite on base				
	connector strip and painting of box etc as required.				
1.11	Providing and fixing of suitable size MS floor box to be fixed in floor for				
	wiring with multiple inlet and outlets and covered with SS Sheet with				
	screws. The Top SS sheet to be made champhered from all sides to				
	match with floor level. Sizes as mentioned below				
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ļ		4			
а	18" x 18"	4	no		
a b	18" x 18" 16" x 16"	4 12	no no		
	18" x 18"				
b	18" x 18" 16" x 16"	12	no		
b	18" x 18" 16" x 16"	12	no		
b	18" x 18" 16" x 16" 12" x 12"	12	no		
b c	18" x 18" 16" x 16" 12" x 12" TOTAL OF PART -I	12	no		
b c	18" x 18" 16" x 16" 12" x 12"	12	no		
b c <u>PART-II</u>	18" x 18" 16" x 16" 12" x 12" TOTAL OF PART -I : PANELS & CABLES	12 20	no no		
b c	18" x 18" 16" x 16" 12" x 12" TOTAL OF PART -I	12	no		
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AMI 2.3 Esse pan type gask GI e solid suit of e with INCO	 MCCB Breaking Capacity 35 KA 200 Amp 3Pole , 4 no x 25 KA 100 P 3Pole DN Series, L&T make. ential Panel: Supply at site installation testing and commissioning of the fabricated with 16 G MS sheet. The panel shall be free standing to totally enclosed dust and vermin proof construction with rubber kets. The floor mounting panel shall have ISMC mounting channels, earth busbar, busbar chamber ,cable alleys interconnection with d bar/PVC insulated copper conductor as per requirement, and table supports of busbars. The panel shall be painted with two coats enamel paint (Grey shade) over primer and shall also be provided th designation of Incoming and outgoing feeder as details below: OMING D MCCB Breaking Capacity 35 KA 200 Amp 4P , DN Series, L&T make 	1	set		
2.3 Esse pan- type gask GI e solid suita of e with INCO	ential Panel: Supply at site installation testing and commissioning of the fabricated with 16 G MS sheet. The panel shall be free standing to totally enclosed dust and vermin proof construction with rubber kets. The floor mounting panel shall have ISMC mounting channels, earth busbar, busbar chamber ,cable alleys interconnection with d bar/PVC insulated copper conductor as per requirement, and table supports of busbars. The panel shall be painted with two coats enamel paint (Grey shade) over primer and shall also be provided h designation of Incoming and outgoing feeder as details below: OMING				
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	o mees breaking capacity as have be winp in , bit series, ear make				
1 nc					
	o 0 -500V digital Voltmeter in separate compartment and digital				
Am	p meter and one set of CTs (3 Nos) with CT Ratio 200/5 A with LED				
type	e phase Indication Lamps with protection fuses in a separate				
250	Amps capacity 4 strips Aluminium bus bars.				
	TGOING				
2no	MCCB Breaking Capacity 25 KA 100 Amp, 5 no x 25 KA 63 AMP	1	set		
	le DN Series, L&T make.				
2.4 Sup	ply, Installation, testing & commissioning of PVC insulated PVC				
	athed armoured cable of 1100 V (IS 1554 Part 1) and fixing of				
cabl	le on wall with suitable size of clamps /saddles or laid in				
floo	or/recess wall including cutting of wall /floor and making good the				
dam	nages etc complete as required of following sizes (ISI marked)				
a) 3.5X	X70 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	60	mtr.		
b) 3.5X	X50 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	70	mtr.		
c) 3.5X	X35 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	40	mtr.		
d) 3.5×	x25 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	50	mtr.		
e) 4X1	.0 sq. mm aluminum conductor with one no 8 SWG GI wire.	45	mtr.		
f) 3X6	sq. mm copper conductor armoured .	220	mtr.		
g) 3X2	.5 sq. mm copper conductor armoured for ACS	90	mtr.		
	termination with brass compression glands including providing of				
_	s/ferrules and making necessary connection etc complete as				
	uired of the following sizes:	-			
	X 70 sq. mm aluminum conductors	6	no.		
	X 50 sq. mm aluminum conductors	6	no.		
	X25 sq. mm aluminum conductors	10	no.		
	.0Sq.mm aluminum conductor	22	no.		
	sq. mm copper conductor	14	no.		
f) 3X2	.5 sq. mm copper conductor	16	no.		
2.6 Prov	viding and fixing the following switch on suitable size of MS base				+
	angle iron frame of suitable size and strength for installation on				
	I /floor including grouting of frame & painting etc. complete as				
	uired.				
	0.4 pole 315 Amps capacity change over switch with adaptor box	1	no.		+
	viding and fixing 16 G MS sheet adopter box and also base frame				
	installation of MCB DBs plug and socket arrangements and to cover				
	les in system room including painting etc complete as required.				
	its in system room including painting ete complete as required.				
for	UPS input/output distribution	5	no.		1
		-			1
тот	FAL OF PART -II				
PART-III : EA	ARTHING				

3.1 Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering plate accessories such as watering plate plate and the second station of plate including all accessories such as watering plate and funce of plate plate including all accessories such as watering plate and funce and plate accessories such as watering plate and funce and plate including all accessories such as watering plate and funce and plate accessories such as watering plate and funce and plate including all accessories such as watering plate and funce and plate including all accessories such as watering plate and funce and plate including all accessories such as watering plate and funce and plate including and fixing of slat charcol. plate is excavation of pit, supplying and fixing of slat charcol. plate is excavation of pit, supplying and fixing of slat charcol. plate is excavation of pit. 2 set 3.3 Supply fixing and termination of 2X03 mm copper strip with earth station below ground level et as required. 6 mtr. a Supply fixing and termination of 2X03 mm copper strip with earth station below ground level et as required. 100 mtr. b Providing and fixing of SSWG Gig earth wire in the recess for loop earthing et as a required. 100 mtr. 3.4 Supply fixing and termination of 2X03 mm copper strip with earth station below ground level for a required. 100 mtr. 4.1 Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from each electrobe to UPS room for computer declicated earthing including bed for eacos strip as a strip with ear		1				
providing masonry enclosure at to y with cover plate is excavation of pL supplying and filling of site charactering in the plate including all accessories such as watering pipe and funnel and providing masonry enclosure at to y with cover plate is excavation of plate including all accessories such as watering pipe and funnel and providing masonry enclosure at to y with cover plate is execavation of plate including all accessories such as watering pipe and funnel and providing masonry enclosure at to y with cover plate is execavation of plate including and filling of sit charcol, refilling of plate to complete as required. 2 set 3.3 Supply filling and termination of 2X0 mm copper strip with earth station below ground level et as required. 3 mtr. a Supply filling and termination of 2X0 mm copper strip with earth station below ground level et as required. 6 mtr. b Providing and filling of S SWG Glearth wire in the recess for loop earthing etc. as required. 300 mtr. c Providing and filling of S SWG Glearth wire in the recess for loop earthing etc. as required. 10 Providing and filling of SWG Glearth wire in the recess for loop earthing etc. as required. 10 3.4 Supply and laying following dia 2 mm in thickness PVC pipe under filling etc. as required. 10 10 c Providing and filling with statibal stadles or chanps, providing sutable sites of sleeves for passing refrigerant pipe from indoor to utdoor unit including making neccessary arangement etc. complete as required. 10 <tr< td=""><td>3.1</td><td>Supply and fix copper plate earth station with 600X600X3mm copper</td><td>1</td><td>set</td><td></td><td></td></tr<>	3.1	Supply and fix copper plate earth station with 600X600X3mm copper	1	set		
pit, supplying and filling of aith charcoal, refilling of pit tet complete as		plate including all accessories such as watering pipe and funnel and				
required as per IS 3043-1387. The voltage between neutral and earth must be below 1.V. Image: Supply and fix Gi plate earth station with 600X600X6mm Gi plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate is execuation of nit, supplying and filling of salt charcoal, refilling of plate to complete as required as per IS 3043-1387. Set 3.3 Supply fixing and termination of 20X3 mm copper strip with earth station below ground level et as required. 3 mtr. a Supply fixing and termination of 23X6 mm G.I. strip with earth station below ground level et as required. 6 mtr. b Providing and fixing of 8 SWG Gearth wire in the recess for loop earthing etc. as required. 150 mtr. 3.4 Supply and laying following dia 2 mm in thickness. PVC pipe under floor or in recessed walls from earth electrode to UB? room for computer deflacted earthing including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. 2.5 Jost PART 4II 1 1 1 4.1 Supply sublable size of soleses for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. 1 1 4.1 Supply sublable size of L3. Striply. rock 2. Striply. Copper pipe size (1/2* 8.1/4*) 180 mtr. 4.1 Supply sublable size of L3. Striply. rock 2. Striply. Copper pipe size (5/8* 8.4/8*)		providing masonry enclosure at top with cover plate i.e excavation of				
required as per IS 3043-1387. The voltage between neutral and earth must be below 1.V. Image: Supply and fix Gi plate earth station with 600X600X6mm Gi plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate is execuation of nit, supplying and filling of salt charcoal, refilling of plate to complete as required as per IS 3043-1387. Set 3.3 Supply fixing and termination of 20X3 mm copper strip with earth station below ground level et as required. 3 mtr. a Supply fixing and termination of 23X6 mm G.I. strip with earth station below ground level et as required. 6 mtr. b Providing and fixing of 8 SWG Gearth wire in the recess for loop earthing etc. as required. 150 mtr. 3.4 Supply and laying following dia 2 mm in thickness. PVC pipe under floor or in recessed walls from earth electrode to UB? room for computer deflacted earthing including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. 2.5 Jost PART 4II 1 1 1 4.1 Supply sublable size of soleses for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. 1 1 4.1 Supply sublable size of L3. Striply. rock 2. Striply. Copper pipe size (1/2* 8.1/4*) 180 mtr. 4.1 Supply sublable size of L3. Striply. rock 2. Striply. Copper pipe size (5/8* 8.4/8*)		pit, supplying and filling of salt charcoal, refilling of pit etc complete as				
must be below 1 v.						
3.2 Supply and fix (I) plate earth station with 600x600X6mm GI plate including all accessories such as watering pipe and funnel and providing masomy enclosure at top with cover plate to exavation of pit, supplying and filling of salt charcoal, relilling of plate to complete as required as per is 3043-1867. 2 set 3.3 Supply fixing and termination of 20X3 mm copper strip with earth station below ground level et as required. 3 mtr. a Supply fixing and termination of 23X6 mm GL strip with earth station below ground level et as required. 6 mtr. b Providing and fixing of 8 SWG Capper earth wire in the recess for loop carthing etc. as required. 30 mtr. 3.4 Supply faily and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good 150 mtr. 25mm 200 mtr. 200 mtr. 25mm 200 mtr. 200 mtr. 4.1 Supply installation, esting & commissioning of refrigeration pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. 180 mtr. 4.3 Supply installation, esting & Comper pipe size (5/8" & 3/8") 185 mtr 4.4 Supply installation, esting & Commissioning of refrigeration pipe including cutting of a core						
Including all accessories such as watering pipe and fumel and providing masomy enclosure at top with cover plate i.e exavation of pit, supplying and filling of sait charcai, refilling of pit etc complete as required as per is 3043-1987. Image: Supplying and termination of 20X mm copper strip with earth station below ground level etc as required. a Supply fixing and termination of 20X mm Col. Strip with earth station below ground level etc as required. Image: Supplying and Supplying Supplying and Supplying Supplying Supplying and Supplying and Supplying Supplying and Supplying Sup	3.2		2	cot		
masonry enclosure at top with cover plate Le excavation of pit, supplying and filling of silt charcoal, refilling of pit etc complete as required as per 15 3043-1987. 3.3 Supply fixing and termination of 20X3 mm copper strip with earth station below ground level et as required. 3 a Supply fixing and termination of 23X6 mm GL strip with earth station below ground level et as required. 6 mtr. b Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. 30 mtr. 3.4 Supply faind and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. 2.5 Supply not alwaying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. 2.5 Supply Nutstallation, testing & commissioning of refrigeration pipe including suitable sizes of sleeves for passing refrigerant pipe from pipe including suitable sizes of sleeves for passing refrigerant pipe from theor to outdoor unit including making necessary arrangement etc. complete as required. 350 mtr 4.1 Supply Ng & laying of 3 core 2.5sq.mm. FRLS copper pipe size (5/4° 8.3/4°) 180 mtr 4.2 Supply Ng l	5.2			301		
supplying and filling of site charcal, refilling of pit etc complete as required. a 3.3 Supply fixing and termination of 2x03 mm copper strip with earth station a a Supply fixing and termination of 2x05 mm G.1. strip with earth station a b Providing and fixing of 8 SWG GD earth wire in the recess for loop earthing etc. as required. a0 c Providing and fixing of 8 SWG GD earth wire in the recess for loop earthing etc. as required. a0 3.4 Supply fixing and terming form earth elactode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. a 2.5mm 200 mtr. a c TOTAL OF PART - III a a a PARTUY : AC PROVISIONING (COPPER PIPE, WIRING ETC) a a a 4.1 Supply installation, testing & commissioning of refrigeration pipe incoming suitable sadels or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor uni including making neccessary arrangement etc. complete a srequired. a a 4.1 Supplying & laying recessed in wall Rigid ISI Mark PV Carin pipe of at for AC drain pipe size (1/2" & 1/4") 180 mtr. 4.2 Supply kalwing do 3 core 2.5sq.mm. FRLS copper fibile cable for HWS 320 mtr 4.3 Supply kalwing do 3						
a.3 Supply fixing and termination of 20X3 mm copper strip with earth station below ground level et as required. a mtr. a Supply fixing and termination of 20X3 mm copper strip with earth station below ground level et as required. ft ft a Supply fixing and termination of 20X6 mm G.I. strip with earth station below ground level et as required. ft ft b Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. ft ft c Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. ft ft 3.4 Supply and laying following dia 2 mm in thickness. PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing, including bends Tees Etc. making good the damages etc. wherever required. ft ft 2.200 mtr. mtr. ft ft PARTLY 's AC PROVISIONING (COPPER PIPE, WIRING ETC) ft ft ft 4.1 Supply, histallation, testing & commissioning of refrigeration pipe including suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making necessary arrangement etc. ft ft 2.3 Supply Rayin 2 (La 1 STR), copper pipe size (L/2" & J/4") 180 mtr. ft 4.4 Supply R						
3.3 Supply fixing and termination of 20X3 mm copper strip with earth station 3 mtr. a Supply fixing and termination of 32X6 mm G.1. strip with earth station 6 mtr. b Providing and fixing of 8 SWG Gop earth wire in the recess for loop 30 mtr. c Providing and fixing of 8 SWG Gop earth wire in the recess for loop 150 mtr. c Providing of Sing of 8 SWG Gol earth wire in the recess for loop 150 mtr. c Providing of Sing following dia 2 mm in thickness. PVC pipe under 150 mtr. floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good mtr. 160 2Simm 200 mtr. 160 160 160 4.1 Supply, installation, testing & commissioning of refrigeration pipe including suttilag suitable saddles or clamps, providing suitable saddles or sign refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. 180 mtr. a) Hi Wall Split AC (10.6 1.STR), copper pipe size (J/2" & 1/4") 180 mtr. 180 4.2 Supplying & laying of a core 2.5sq.mm. FRLS copper file size (J/2" & 1/4") 180 mtr. 180 4.3 <						
sation below ground level etc as required. Image: Constraint of 32x6 mm G.I. strip with earth station 6 mtr. a Supply fixing and termination of 32x6 mm G.I. strip with earth station 6 mtr. b Providing and fixing of 8 SWG Copper earth wire in the recess for loop 30 mtr. c Providing and fixing of 8 SWG Clearth wire in the recess for loop 30 mtr. 3.4 Supply sund laying following dia 2 mm in thickness. PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing. Including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. 2Smm 200 mtr. Image: Computer dedicated earthing. Including bends Tees Etc. making good the damages etc. wherever required. Image: Computer dedicated earthing. Including bends Tees Etc. making good the computer dedicated earthing. Including for farfigeration pipe including cutting of wall & fixing with suitable saddles or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making necessary arrangement etc. Image: Complete as required. 4.1 Supply, Installation, testing, U raps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drain spite apt (2/2* & 1/4*) 180 mtr. 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 150.00 mtr Image: Complete with fittings, U raps etc. & as specified to the damages etc. wherever required. 300 mtr						
a Supply fixing and termination of 32x6 mm G.I. strip with earth station 6 mtr. b Providing and fixing of 3 SWG copper earth wire in the recess for loop 30 mtr. c Providing and fixing of 8 SWG clearth wire in the recess for loop 150 mtr. 3.4 Supply and laying following dia 2 mm in thickness PVC pipe under 150 mtr. floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good mtr. ZSmm 200 mtr. mtr. A Supply installation, testing & commissioning of refrigeration pipe including cutting of wall & fixing with suitable saddles or clamps, providing suitable isses of sleves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. mtr. complete as required. 180 mtr. mtr. a) Hi Wall Split AC (10 & 1.5TR), copper pipe size (1/2" & 1/4") 180 mtr. b) HWS / Cassette AC (2.0TR & 3.0TR) copper gene size (5/8" & 3/8") 185 mtr 4.3 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 150.00 mtr casette AC (2.0TR & 3.0TR) copper flexible cable for HWS 300 mtr A.3 Supplyig & laying of 3 core 2.5sq,	3.3		3	mtr.		
below ground level etc as required. Image: Second sec						
b Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. 30 mtr. c Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. 150 mtr. 3.4 Supply and laying following dia 2 mm in thickness. PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. 2 Z5mm 200 mtr. 200 7 TOTAL OF PART-III 200 mtr. 200 PART-IV: AC PROVISIONING (COPPER PIPE, WIRING ETC) 200 200 200 4.1 Supply, Installation, testing & commissioning of refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. 200 200 a) Hi Wall Split AC (1.0 & 1.5 TR), copper pipe size (5/8" & 3/8") 185 mtr. b) HWS / Cassette AC (2.0 TR & 3.0 R) copper pipe size (5/8" & 3/8") 185 mtr. c/2 00m dia complete with fittings, U traps etc. & as specified to the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply ing klaying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO	a	Supply fixing and termination of 32x6 mm G.I. strip with earth station	6	mtr.		
earthing etc. as required. Image: constraint of the second of the se		below ground level etc as required.				
c Providing and fixing of 8 SWG Gi earth wire in the recess for loop earthing etc. as required. 150 mtr. 3.4 Supply and laying following dia 2 mm in thickness. PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. 25mm 200 mtr.	b	Providing and fixing of 8 SWG copper earth wire in the recess for loop	30	mtr.		
earthing etc. as required. Image: Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. Image: Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for Computer dedicated earthing including bends Tees Etc. making good mtr. ZSmm 200 mtr. TOTAL OF PART -III Image: Supply installation, testing & commissioning of refrigeration pipe including cutting of wall & fixing with suitable saddles or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. Image: Supply installation, testing & compression pipe size (1/2" & 1/4") B HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (1/2" & 1/4") Image: Supply installation in door or in recessed walls for AC drain pipe of size including cutting of walls, bends & Tees. making good the damages etc. wherever required. Image: Supply installation and testing bit Suppremeint in the supplement etc. 4.3 Supply & laying of 2 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEK / POLYCAB / HAVELLS / PYEMEN / ECKO Image: Supply and and got accepter required. Image: Supply and any of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEK / POLYCAB / HAVELLS / PYEMEN / ECKO Image: Supply and any of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEK / POLYCAB / HAVELLS / PYEMEN / ECKO Image: Supply and any		earthing etc. as required.				
earthing etc. as required. Image: Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. Image: Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for Computer dedicated earthing including bends Tees Etc. making good mtr. ZSmm 200 mtr. TOTAL OF PART -III Image: Supply installation, testing & commissioning of refrigeration pipe including cutting of wall & fixing with suitable saddles or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. Image: Supply installation, testing & compression pipe size (1/2" & 1/4") B HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (1/2" & 1/4") Image: Supply installation in door or in recessed walls for AC drain pipe of size including cutting of walls, bends & Tees. making good the damages etc. wherever required. Image: Supply installation and testing bit Suppremeint in the supplement etc. 4.3 Supply & laying of 2 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEK / POLYCAB / HAVELLS / PYEMEN / ECKO Image: Supply and and got accepter required. Image: Supply and any of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEK / POLYCAB / HAVELLS / PYEMEN / ECKO Image: Supply and any of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEK / POLYCAB / HAVELLS / PYEMEN / ECKO Image: Supply and any	с	Providing and fixing of 8 SWG GI earth wire in the recess for loop	150	mtr.		
3.4 Supply and laying following dia 2 mm in thickness. PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. 25mm 200 mtr. TOTAL OF PART - III 200 mtr. PART-IV: AC PROVISIONING (COPPER PIPE, WIRING ETC) 200 mtr. 4.1 Supply, Installation, testing & commissioning of refrigeration pipe including cutting of walls fixing with suitable saddles or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. 180 mtr. a) Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (5/8" & 3/8") 185 mtr 4.2 Supply,ing & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 200m dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.3 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 10 10 7.44 Supply & laying of						
floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required. 200 mtr. ZSmm 200 mtr.	3.4					
computer dedicated earthing including bends Tees Etc. making good Image: Set Computer dedicated earthing including bends Tees Etc. making good Image: Set Computer dedicated earthing including bends Tees Etc. making good Z5mm 200 mtr. Image: Set Computer dedicated earthing including provide as regular definition provide including of walls & commissioning of refrigeration pripe including of walls & fixing with suitable saddles or clamps, providing suitable sizes of seeves for passing refrigerant pripe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. Image: Set Computer dedicated earthing including provide as the set of						
the damages etc. wherever required 200 mtr. Z5mm 200 mtr. TOTAL OF PART -III 200 mtr. PART-IV : AC PROVISIONING (COPPER PIPE, WIRING ETC) 200 200 4.1 Supply, Installation, testing & commissioning of refrigeration pipe including cutting of wall & fixing with suitable saddles or clamps, providing suitable size of sleves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. 200 mtr. 9 Hi Wall Split AC (10 & 1.5TR), copper pipe size (1/2" & 1/4") 180 mtr. 200 9 HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 185 mtr 200 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toiler / drain point under floor or in recessed walls for AC drains. including cutting of valls, bends & Tees. making goot the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / mark - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 5.1						
25mm 200 mtr. mtr. TOTAL OF PART-III Image: Constraint of the second seco						
TOTAL OF PART -III Image: Constraint of the image:			200			
PART-V: AC PROVISIONING (COPPER PIPE, WIRING ETC) Image: Comparison of the string		25mm	200	mtr.		
PART-V: AC PROVISIONING (COPPER PIPE, WIRING ETC) Image: Comparison of the string						
4.1 Supply, Installation, testing & commissioning of refrigeration pipe including cutting of wall & fixing with suitable saddles or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. Image: Complete as required. a) Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4") 180 mtr. b) HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 185 mtr 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 7 TOTAL OF PART - IV 40 no. 9 Miring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providin		TOTAL OF PART -III				
4.1 Supply, Installation, testing & commissioning of refrigeration pipe including cutting of wall & fixing with suitable saddles or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. Image: Complete as required. a) Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4") 180 mtr. b) HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 185 mtr 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 7 TOTAL OF PART - IV 40 no. 9 Miring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providin						
including cutting of wall & fixing with suitable saddles or clamps, providing suitable sizes of sleeves for passing refrigerant pipe from indoor to outdoor unit including making neccessary arrangement etc. complete as required. Image: Complete as required. a) Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4") 180 mtr. b) HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 185 mtr 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 7 OTAL OF PART - IV Image: Provide and the second secon						
providing suitable sizes of sleeves for passing refrigerant pipe from Image: Size of Sizeves for passing refrigerant pipe from a) Hi Wall Spit AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4") 180 mtr. b) HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 185 mtr 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 150.00 mtr 20mm dia complete with fittings, U traps etc. & as specified to the damages etc. wherever required. (Make: Diplast/Supreme) 150.00 mtr 4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 5.1 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.1. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. no. 5.2	4.1					
indoor to outdoor unit including making neccessary arrangement etc.						
complete as required.Image: complete as required.a)Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4")180mtr.b)HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8")185mtr4.2Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)350mtr4.3Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO300mtr4.4Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO300mtr5.1Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd.40no.5.2Supply installation and testing of Tag Block 20 pair for telephone connections2no.		providing suitable sizes of sleeves for passing refrigerant pipe from				
a) Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4") 180 mtr. b) HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 185 mtr 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 5.1 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. no. 5.2 Supply installation and testing of Tag Block 20 pair for telephone connections 2 no. 5.3 Supply and fixing 20 Pair Telephone Cable 60 mtr		indoor to outdoor unit including making neccessary arrangement etc.				
b) HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 185 mtr 4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme) 150.00 mtr 4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 350 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 7 OTAL OF PART - IV 40 0 0 0 9 ART-V : TELEPHONE , CCTV & SMOKE DETECTOR WIRING 40 no. 0 5.1 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.1. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. 0 no.		complete as required.				
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4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme) 350 mtr 4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr 5.1 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. 40 no. 5.2 Supply installation and testing of Tag Block 20 pair for telephone connections 2 no. 5.3 Supply and fixing 20 Pair Telephone Cable 60 mtr	b)	HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8")	185	mtr		
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drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)Image: Comparison of						
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4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 350 mtr 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 300 mtr TOTAL OF PART - IV 1 1 PART-V : TELEPHONE , CCTV & SMOKE DETECTOR WIRING 40 no. 5.1 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. 100 5.2 Supply installation and testing of Tag Block 20 pair for telephone connections 2 no. 5.3 Supply and fixing 20 Pair Telephone Cable 60 mtr						
/ Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO300mtr4.4Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO300mtrTOTAL OF PART - IVImage: Comparison of the comparison of	12		250	mtr		
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AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKOImage: Constant of the second secon			200			
TOTAL OF PART - IVImage: Constraint of the second seco	4.4		300	mtr		
PART-V : TELEPHONE , CCTV & SMOKE DETECTOR WIRINGno.5.1Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd.no.5.2Supply installation and testing of Tag Block 20 pair for telephone connections2no.5.3Supply and fixing 20 Pair Telephone Cable60mtr						
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front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd.Image: Connection of the telephone of te						
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connections 60 mtr	E 2		2			
5.3 Supply and fixing 20 Pair Telephone Cable 60 mtr	5.2		2 ×	10.		
IUIAL OF PART - V	5.3		60	mtr	ļ	
		IUTAL OF PART - V				

<u>PAR</u> T-V	I : NETWORKING			
6.1	Wiring for computer net working starting from mounting rack with UTP	92	No	
	Cat 6 cable in 2 mm thick 25 mm dia ISI marked PVC conduit pipe with	-		
	accessories such as bends, junction boxes including providing and fixing			
	I/O plates and SMB complete with all networking accessories etc			
	complete as required			
6.2	Supply & Installation testing and commissioning of Patch Panel 24 port	4.00	no.	
0.2	e			
6.3	Supply and installation, testing and commissioning of mounted rack	2.00	no.	
	15U hight made of powder coated MS sheet			
6.4	Supply Fixing and commissioning of Patch cable cat 6 of complete			
	with 2 nos of connectors etc complete as required.(factory			
	manufactured)			
	(a) 1 meter long	92	No	
	(b) 2 meter long	80	No	
6.5	Supply and laying of CAT 6 cable in PVC conduit of suitable size with	150.00	mtr	
	connectors as required., complete in all respects.			
	TOTAL OF PART - VI			
PART-V	II : SITC OF FANS & FIXTURES			
7.1	SITC of 2'-0" x2'-0" Celing grid 33-36 watt LED panel fixtures with	27	no.	
	essential driver in false ceiling including making necessary			
	arrangement for mounting the fixtures and connection with 2 x 1.5			
	sq.mm insulated copper cable from adjacent point in PVC flexible pipe			
	etc Complete as reqd. Make Philips cat. RC 380 B- LED-30-6500PSE OD			
	WH or equivalent of Wipro / Bajaj / Crompton. Note: No			
	additional payment will be made for providing frame for light fixing			
	in Gypsum ceiling.			
7.2	SITC of 2'-0" x2'-0" FIXTURE 33W (WIPRO : VERGE LN 29 /LM 29 - 451-	11	no.	
	XXX-57-XX) with essential driver in false ceiling including making			
	necessary arrangement for mounting the fixtures and connection with			
	2 x 1.5 sq.mm insulated copper cable from adjacent point in PVC			
	flexible pipe etc Complete as reqd.equivalent of Philips / Bajaj /			
	Crompton. Note: No additional payment will be made for providing			
	frame/ hanging for light fixing in Gypsum ceiling.Also, no extra proce			
	will be paid for any change in light color temprature or body color)			
7.0		110		_
7.3	SITC of 15 watt recess mounted LED down light with assembly	110	no.	
	complete with including making necessary connections etc. Complete			
	as reqd. (M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj)			
7.4	SITC of 15 watt surface mounted LED down light (WIPRO : MOLLIS	8	no.	
	SURFACE /LD 06 X - 171-XXX-57SMG1) with assembly complete with	Ŭ		
	including making necessary connections etc. Complete as regd. (M/s			
	Crompton Cat No. Or equivalent of Philips/ Bajaj)			
		4	no.	
7.5	SITC of 15 watt Hanging LED down light (WIPRO : HALO+ /LD 99 - 151-			
7.5	SITC of 15 watt Hanging LED down light (WIPRO : HALO+ /LD 99 - 151- XXX-57SMWH) with assembly complete with including making	-		
7.5	XXX-57SMWH) with assembly complete with including making	-	10.	
7.5	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No.	-		
7.5	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be	-		
7.5	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be made for providing frame/ hanging for light fixing in Gypsum	-		
7.5	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be made for providing frame/ hanging for light fixing in Gypsum ceiling.Also, no extra proce will be paid for any change in light color	-		
	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be made for providing frame/ hanging for light fixing in Gypsum ceiling.Also, no extra proce will be paid for any change in light color temprature or body color)			
7.5	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be made for providing frame/ hanging for light fixing in Gypsum ceiling.Also, no extra proce will be paid for any change in light color temprature or body color) SITC of 6 watt LED spot/COB light (WIPRO : Fokus /LD 07 - 600-040-57-	40	no.	
	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be made for providing frame/ hanging for light fixing in Gypsum ceiling.Also, no extra proce will be paid for any change in light color temprature or body color) SITC of 6 watt LED spot/COB light (WIPRO : Fokus /LD 07 - 600-040-57- WH/CH/RG) with assembly complete with including making necessary			
	XXX-57SMWH) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be made for providing frame/ hanging for light fixing in Gypsum ceiling.Also, no extra proce will be paid for any change in light color temprature or body color) SITC of 6 watt LED spot/COB light (WIPRO : Fokus /LD 07 - 600-040-57- WH/CH/RG) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or			
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7.8 SITC of Track LIGHTS (WIPRO : LD54-261-20-57-WG1) with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/ Bajaj) Note: No additional payment will be made for providing frame/ hanging for light fixing in Gypsum ceiling.Also, no extra proce will be paid for any change in light color temprature or body color) 8 no.	
7.9 Supply of 450 mmm sweep metal body wall fan complete as reqd. 22 no. Model turbo 180, USHA Make or equivalent of Crompton/Havells/Bajaj 22 no.	
(M/s Crompton Hi-Flo or equivalent of Khaitan / Bajaj	
7.11 SITC of Exhaust Fan 12inch dia, m etal body of CROMPTON / BAJAJ 8 no. /KHAITAN /KHAITAN 8 No.	
7.12 Supply Installation, testing & commissioning of 5 W LED STRIP light 90 mtr with driver and Accessories complete as required (MS CROMPTON or equivalent of WIPRO , PHILLIPS, BAJAJ etc. 90 mtr	
7.13 SITC of 18 /20 watt of T5 LED fixtures directly on ceiling / wall including 9 no. making necessary connections with 2x1.5 sq.mm insulated copper 9 no. cable conductor wire etc. complete as reqd Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro / Bajaj.	
7.14 SITC of 1200 mm CEILING fans complete as reqd. (M/s Crompton High Breeze or equivalent of USHA / Bajaj) including modular regulator. 4 no.	
7.15 SITC of 30 watt Street light /Flood light for lighting the front side of the branch(M/s Crompton Cat No. LSTS-30-CDL or equivalent of Philips/Wipro . 2 no.	
TOTAL OF PART -VII	
SUMMARY	
TOTAL OF PART I-VI(A)	А
TOTAL OF PART - VII (B)	В
TOTAL (A+B)	С