BILL OF QUANTITIES FOR ELECTRICAL & ALLIED WORKS AT ARAKOT BRANCH AT UTTARKASHI. UTTARAKHAND

1 We expended a control of the contr	Viring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor FRLS) wires & 1.5 sq.mm. copper earth wire in oncealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw loxes, mounting boxes, inner plates, cover plates, eiling rose etc (whereever required) and hromium plates brass screws/ rowel plug etc. The ircuit wiring starting from DB to point control box/	UNIT	QTY	RATE	AMOUNT
e. P' (I co a b co ci	exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor FRLS) wires & 1.5 sq.mm. copper earth wire in oncealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw loxes, mounting boxes, inner plates, cover plates, eiling rose etc (whereever required) and thromium plates brass screws/ rowel plug etc. The				
P (I c a b c c cl	PVC insulated 1100 V Grade copper conductor FRLS) wires & 1.5 sq.mm. copper earth wire in oncealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, eiling rose etc (whereever required) and hromium plates brass screws/ rowel plug etc. The				
(I cc a b cc cl	FRLS) wires & 1.5 sq.mm. copper earth wire in oncealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw oxes, mounting boxes, inner plates, cover plates, eiling rose etc (whereever required) and hromium plates brass screws/ rowel plug etc. The				
co a b co cl	oncealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw loxes, mounting boxes, inner plates, cover plates, eiling rose etc (whereever required) and hromium plates brass screws/ rowel plug etc. The				
a b cc cl ci	occessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, eiling rose etc (whereever required) and hromium plates brass screws/ rowel plug etc. The				
b co ci ci	oxes, mounting boxes, inner plates, cover plates, eiling rose etc (whereever required) and hromium plates brass screws/ rowel plug etc. The				l e e e e e e e e e e e e e e e e e e e
ci ci	eiling rose etc (whereever required) and hromium plates brass screws/ rowel plug etc. The				1
cl ci	hromium plates brass screws/ rowel plug etc. The				
ci					
	ircuit wiring starting from DB to point control box/I				
1 15					
	witch box using 2 X 2.5 sq.mm PVC insulated 100 V grade multi- stranded copper conductor				
	vire & 2.5 sq.mm. PVC insulated earth wire (color				
	ode to be used). (Flexible conduit/ elbow not				
	illowed). The conduit to be laid in ceiling with				
	proper clamps/ wall/ floor and flling the chase with				
	ement mortar and finishing the same in original				
	orm/ wooden partition/ above false ceiling with				
	roper clamps etc. all complete.				
('	Wherever required as per standard specifications).				
i)	Each circuit shall have independent earth wire.				
ii) Each point shall be earthed.				
	i) Circuit wiring is to be included in point wiring				
	ates.				
	One light points controlled by one 6 amp. Modular witch	Nos.	25.00		0.00
	wo light points controlled by one 6 amp. Modular witch	Nos.	15.00		0.00
iii T	hree light points controlled by one 6 amp. Iodular switch	Nos.	5.00		0.00
iv F	our light points controlled by one 6 amp. Modular	Nos.	2.00		0.00
	witch ive light points controlled by one 6 amp. Modular	Nos.	0.00		0.00
S	witch				
	One call bell point with ceiling rose/ 6amp. 3 pin	Nos.	1.00		0.00
	ocket controlled by one 6 amp. Push Modular				
	witch. With call bell				
	One wall fan/ exhaust fan point controlled by one 6	Nos.	14.00		0.00
	mp. Modular switch. The switch should be at				
S	witchboard level				<u> </u>
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	One E nin cocket controlled by one Comp. Madular				
	One 5 pin socket controlled by one 6 amp. Modular witch complete assembly includes plate box etc.				
	witch complete assembly includes plate box etc.				
a D	Dependent	Nos.	10.00		0.00
	One ceiling fan point with step type regulator	Nos.	5.00		0.00
	The second secon		2.33		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
X	Same as serial no 1 but using $2*2.5 + 1*2.5$	<u> </u>	V	10112	7
	Sqmm Copper Conductor FRLS wires from DB to				
	first 6A, 5 Pin modular socket controlled by one 6A				
	switch and looped to the nearest second point with				
	same 2*2.5 + 1*2.5 Sqmm copper conductor wires				
	FRLS insulated 1100V grade.				
а	Primary	Nos.	3.00		0.00
b	Secondary	Nos.	3.00		0.00
	Comp on social no. 1 but using 2*2 F + 1*2 F				
Χİ	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to		•		
	first 16 Amp MCB two Nos. , for Glow sign Board.				
	Thist to Amp Med two Nos. , for Glow sight board.				
	Drive and Date to	NI	2.00		0.00
a	Primary Point	Nos.	2.00		0.00
2	POWER POINTS				
	Same as serial no.1, but wiring for 16 Amp, 6-pin				
	sockets by using 2*4 sq.mm. PVC insulated 1100				
	V grade copper conductor wire with independent 1*				
	4.0 sq.mm earth wire from D.B. to first point 1st				
	socket and 1 st to 2 nd , socket with 2*2.5 sq.mm.				
	and 1*2.5 earth wire including providing and fixing				
	of 16 Amp, 6 -pin socket with 16 Amp. Switch.				
	(Modular type switch/ socket/ plate etc. complete				
	assembly).				
	.,				
<u>a)</u>	Primary point	Nos.	6.00		0.00
I n		NI	C 00		
b)	Secondary point	Nos.	6.00		0.00
			6.00		0.00
3(a)	Same as serial no.1, but wiring for A/C socket by		6.00		0.00
			6.00		0.00
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade		6.00		0.00
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0				
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects	Nos.	5.00		0.00
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip	Nos.			
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer	Nos.			
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near	Nos.			
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer	Nos.			
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/outer plates, metal box etc. and to be fixed on	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed	Nos.			
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top. COMPUTER POINTS Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets	Nos.			

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC		-		
	insulated 1100 V grade multi stranded copper				
	conductor wires in 2 mm thick PVC conduit from				
	UPS DB to computer point. Each point to have 1				
	nos. 16 amps 5 pin modular type sockets, 1				
	No's 16 amps modular swtich with all				
	accessories, inner/ outer plates, metal box etc and				
	to be fixed on wooden partitions/ by grouting on				
	wall etc as per requirement at site. The switch				
	should be fixed above the top of counter and				
	sockets under the counter. or as directed by the				
	engineer incharge for the E- lobby, Fire, Token				
	Vendina		2.00		
	Primary	Nos.	2.00		0.00
	Secondary	Nos.	2.00		0.00
В.	CONDUITING FOR TELEPHONE, COMPUTER &				
	CONDUITING, WIRING FOR T.V. SYSTEM.				
1.0	TELEPHONE SYSTEM				
1.0 1.1	Wiring for VOICE from Jack Panel in data rack to				
	computer workstation with Cat-6 voice cable in PVC				
	conduits of size 20/ 25 mm including providing				
	ferrules at both ends and termination at both ends				
	including providing & fixing frame for telephone				
	socket with shutter, RJ 47 outlet, faceplate and	Nos.	7.00		0.00
	mounting box complete of modular type. This work	11001	7.00		0.00
	includes supply and laying of CAT-6 cable in PVC				
	conduits throughout the lenght, from the I/O hub				
	to the point.				
	to the point.				
1.2	Supplying, laying, effecting terminations, testing				
	and commissioning of 0.51 mm dia Cu. Conductor,				
	twisted, colour coded with polythene capor barrier,				
	telephone cables in the existing tray or in conduit				
	including providing &fixing conduit pipe or cable				
	tray as required from building tag block to the floor				
	as required.				
a)	Supplying & fixing 50 pair krone tag box with enclosure.	Nos.	1.00		0.00
b)	P/L 10 Pair of PVC insulated PVC sheathed multi	Mtrs.	35.00		0.00
	core jelly filled armored telephone.				
2.1	COMPUTER NETWORKING Wiring for computer networking from Jack Panel in				
2.1	data rack to computer workstation with Cat-6				
	computer cable in PVC conduits of size 20/ 25 mm				
	including providing ferrules at both ends and				
	termination at both ends including providing &				
	fixing frame for Cat-6 with shutter, RJ 45 outlet,		17.00		0.00
	faceplate and mounting box complete of modular	1103.	17.00		0.00
	type, This work includes supply and laying of CAT-6				
	cable in PVC conduits throughout the lenght, from				
	the I/O hub to the point.				
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S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
2.2	Supplying and fixing 9 U (Rack with glass door,		-		
	opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1.00		0.00
2.3	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	1.00		0.00
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	10.00		0.00
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	17.00		0.00
C.	CABLES, MAINS & SUBMAINS				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and replastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	40.0		0.00
l ii	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM	10.00		0.00
— "	12 A T SYAHIII.	1311	10.00		0.00
iii	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminium conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (LIGHT DB, LIGHT PLUG DB, POWER DB, UPS Room, E-Lobby).	RM	50.00		0.00
iv	Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (for mains)	RM	40.00		0.00
D.	DISTRIBUTION BOARD				
	Supplying, installing, testing & commissiong of surface/ recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland/ knock out plate & with built in loose wire boxl, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				

Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. a 6-way TPN DB (LIGHT DB & 6A RAW) No. 0.00 0.00 GROUND FLOOR Incomer: 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:- 12 Nos.10/20 Amp (10 KA) SP MCB b 4-way TPN DB (LIGHT DB) ONE EACH ON SP NCB (100 MA) each phase Outgoing:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase	
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(100 MA) each phase Outgoing:-	
Outgoing:-	
a C way TRN DR (164 DAW DOWER DR) No. 100	
c 6-way TPN DB (16A RAW POWER DB) No. 1.00 0.00 0.00	
Incomer:-	\dashv
1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB	\dashv
(100 MA) each phase	
Outgoing:-	
12 Nos.10/20 Amp (10 KA) SP MCB	
]
d 4-way TPN DB (16A RAW POWER DB) FIRST No. 1.00 0.00	
FLOOR	\longrightarrow
Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB	\dashv
(100 MA) each phase	
Outgoing:-	\dashv
6 Nos.10/20 Amp (10 KA) SP MCB	$\neg \neg$
e 4-way TPN DB (UPS DB) No. 1.00 0.00	
Incomer:-	

S.No	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
5.110.	1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB	01111	411	IVA I L	AMOUNT
	(100 MA) each phase				
	Outgoing:-				
	6 Nos.10/20 Amp (10 KA) SP MCB				
	(0.00
f	6-way V-TPN DB (AC) GROUND FLOOR	No.	0.00		0.00
	Incomer:-				
	1 No. 63 Amp TPN 4 Pole (16KA) MCCB				
	Outgoing:-				
	5 Nos. 32 Amp (10 KA) TP MCB				
	3 Nos. 25/32 Amp (10 KA) SP MCB				
	4-way V-TPN DB (AC) ONE EACH ON GROUND	No.	0.00		0.00
g		I NO.	0.00		0.00
	& FIRST FLOOR				
	Incomer:-				
	1 No. 63 Amp TPN 4 Pole (16KA) MCCB				
	Outgoing:-				
	2 Nos. 32 Amp (10 KA) TP MCB				
	6 Nos. 25/32 Amp (10 KA) SP MCB				
h	2-way SPN DB with 40 A DP MCB (For UPS Input	No.	0.00		0.00
	/ output)				
i	12-way SPN DB (For UPS OUTPUT)	No.	2.00		0.00
•	Incomer:-	1101	2.00		0.00
	1 No. 40 Amp DP (10 KA) MCB with 40 A DP RCCB				
	(100 MA)				
	Outgoing:-				
	8 Nos.6/10/16 Amp (10 KA) SP MCB				
	4		1.00		0.00
]	4-way TPN DB (E-LOBBY DB)	No.	1.00		0.00
	Incomer:-				
	1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB				
	(100 MA) each phase				
	Outgoing:-				
	6 Nos.10/20/32 Amp (10 KA) SP MCB				
k	12-way SPN DB (For ELOBBY UPS OUTPUT)	No.	0.00		0.00
	,				
	Incomer:-				
	1 No. 25 Amp DP (10 KA) MCB with 25 A DP RCCB				
	(100 MA)				
	Outgoing:- 5 Nos.6/10/16 Amp (10 KA) SP MCB				
	D MOS.0/10/10 AMP (10 KA) SY MCB				
	(LIGHT FITTINGS & ACCESSORIES)				
E	(LIGHT FITTINGS & ACCESSORIES)				
	Supplying, installation with hanging support,				
	testing and commissioning of following light				
	fixtures with electronic Ballasts, Tubes, lamps, all				
	fixing materials including connecting wires etc. all				
	complete as per the directions of Engineer-in-				
	reompiece as per the unections of Engineer-in-	1			
	charge (All LED Light Fixures should be covered				
	charge (All LED Light Fixures should be covered with minimum 1 Years onsite replacement				
	charge (All LED Light Fixures should be covered with minimum 1 Years onsite replacement warranty).				
i	charge (All LED Light Fixures should be covered with minimum 1 Years onsite replacement				
i	charge (All LED Light Fixures should be covered with minimum 1 Years onsite replacement warranty).		17.00		0.00

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
ii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBI/Architect.	Nos.	44.00		0.00
iii	Supplying, fixing, testing and commissioning of 20 W LED T 8 fitting make As specified in tender document or approved by SBI/ Architect.		15.00		0.00
iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation supporting fittings of Led strip light (5 mtr.) make as specified in tender document or approved by SBI/ Architect.		6.00		0.00
V	Wall mounted fans 400/450 mm dia. make As specified in tender document or approved by SBI/Architect. (METAL BODY)	Nos.	10.00		0.00
vi	Ceiling fans 1200 mm dia. make As specified in tender document or approved by SBI/ Architect.	Nos.	5.00		0.00
vii	Supply & fixing of 230 mm exhaust fan with louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by SBI/ Architect.	Nos.	7.00		0.00
F.	EARTHING SYSTEM				
1	Supply, Installation, Testing and Commissioning of Maintenace Free Earthing system made up of copper-bonded rod of 10 feet length,23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	2.00		0.00
2	Supply, Installation, Testing and Commissioning of Maintenace Free Earthing system made up of copper-bonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).		1.00		0.00
3	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required eith using of copper lug at end termination	RM	90.00		0.00
ii	Providing and fixing G.I. earth link with insulator and 10 nos of nut, bolt, washer, and spring washer for earth wire connecting in UPS room.		2.00		0.00

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
G.	MAIN PANEL AND METER BOARD				
1	supply, installation, testing and commissionings of cubicle type floor/wall mounted L.T. Metal D.B of				
	reputeded make with extendeble rotary handle and				
	extended connecting links				
	1 No. 160 Amps,TPN MCCB (25 KA) with				
	standard enclosure as per manufacturer				
	specification or as approved by the	Nos.	1.00		0.00
	architect/Bank's Engineer				
2	Designing, fabrication, supply, installation, testing				
	and commissionings of front operated cubicle type				
	compartmentalised, front access, free standing on				
	75MM "[" MS channel, dust and vermin proof (IP				
	42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for				
	fault level of required value symmetrical at 415V				
	fabricated from 2 mm thick CRCA MS sheets with				
	hinged, gaskettted (Metal based neoprene) locable				
	doors having structural reinforcement including 3				
	mm thick gland plates on top and bottom, lifting				
	hooks, GI earth strip of required size with 2 nos				
	earth terminals, 2 nos 230V AC operated 250 mm				
	X 250 mm size axial fans for exhaust of heat with				
	On-Off toggle switches including 2 coated primer				
	and 2 power coated paint fnish of approved shade				
	over metal surface cleaned and treated with seven				
	tank process complete with interconnections etc as per specifications as required.main panel board of				
	approved make				
	Type of Approval as instructed by the SBI/				
	Architect). All live accessible parts shall be				
	shrouded and all equipment shall be finger touch				
	proof. The busbars insulation shall be with heat				
	shrinkable sleeves SMC/ DMC shrouds and busbar				
	supports shall be used. Padlocking facility shall be				
	provided on all outgoing feeders doors and switch				
	handles shall be locable in OFF position.				
	Suitable arrangement shall be made for				
	termination of multiple incoming cables.				
	All kA values indicated shall be Ics breaking				
	capacity				
	GA drawings shall be got approved by Architect /				
a.	SBI Floor panel shall consists of : -				
a.	INCOMER				
	1no. 160 Amp 4P On Load Changeover switch with				
	1 no. of 160A TPN MCCB (25KA) with extandable				
	rotary handle each				
	BUSBARS				
_					

S.No. DESCRIPTION OF WORKS 200 amps TPN busbar chamber of suitable length with copper busbars. One set of TPN BUS BAR for Main Raw Power DB and other TPN Bus bar for interconnection of below outgoing supply interlinked with DG set. All busbars and interconnections shall be of suitable size copper	ATE AMOUNT
with copper busbars. One set of TPN BUS BAR for Main Raw Power DB and other TPN Bus bar for interconnection of below outgoing supply interlinked with DG set. All busbars and	
Main Raw Power DB and other TPN Bus bar for interconnection of below outgoing supply interlinked with DG set. All busbars and	
interlinked with DG set. All busbars and	
interlinked with DG set. All busbars and	
strips.	
INDICATING PANEL	
Digital flush type class-1.0 accuracy multifunction	
meter showing V, A, PF etc. with 3 Nos. current	
transformers of 150/5A ratio, 10 VA Class-1.0	
metering 1 sets	
Red/Green/Amber ON/ OFF/ TRIP indicating lamps	
with 2A SP MCB backup protection	
1 set of three phase indicating lamps along with 2A	
SP MCB backup protection	
Restricted Earth fault relay with 3 Nos. current	
transformers of 150/5 ratio, 10 VA Class 5P 10	
(Numeric Relay not required)	
Undervoltage, Overvoltage & phase reversal relay	
for persisted voltage of 105-180% & 20-95% of	
rated voltage (Numeric Relay not required)	
OUTGOINGS:-	
2 Nos 40 A DP MCB (10 kA) terminals suitable to	
receive cable on one side and wire connection to	
Bus bars.	
3 Nos 63 A TPN MCB (10 kA) terminals suitable to	
receive cable on one side and wire connection to	
Bus bars. (For UPS Incomer DB, AC DB, Elobby DB)	
6 Nos 40 A TPN MCB (10 kA) terminals suitable to	
receive cable on one side and wire connection to	
Bus bars. (For Power DB, Light DB & Spare)	
, , , , , , , , , , , , , , , , , , , ,	
4 Nos 63 A 4 pole MCCB (16 kA) terminals suitable	
to receive cable on one side and wire connection	
to Bus bars. (For AC DB & power factor panel)	
The electrical panel as described above and Set 1.00	0.00
specifications complete.	
2 Cupply installation testing and commissioning of	
3 Supply, installation, testing and commissioning of	
30 KVAR capasitor as following-	
Incoming- 63A 4pole MCCB, Outgoing- 8 stage	
power factor relay with 3 nos. 50/5 current	
transformer for current sensing capasitor 1 KVR- 1	
nos, 2 KVR- 2nos., 5 KVR- 3 nos., 10 KVR- 1 no.	
Contractors and TP MCB on each complete Set 0.00	0.00
/ manual function. MS cubical having ventilation	
with wiremesh, copper conductors and copper	
busbars etc complete as per direction of Architect	
/Bank.	
H PUBLIC ADDRESS SYSTEM	

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
1	Supply and laying Wiring of 1.5 sq mm twin core shelded type of speaker cable with Providing and fixing in position the following FRLS PVC conduits including all accessories concealed/exposed in F.Ceiling/Wall complete as required including 1.6/2.0 mm thick PVC junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit. including all accessaries.		50.00		0.00
2	Supply, installation, testing and commissioning of following Philips (BOSCH) make Music Accessories / Equipments.				
a.	Ceiling Speaker Unit 6 Watts	Nos.	4.00		0.00
b	Power Amplifier, min 100 Watts with output transformer etc. complete. Plena Range/ Ahuja or as approved by the Bank capable of taking Inputs from USB Also.	Nos.	1.00		0.00
	TOTAL				0.00

Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra