Sr.No	SPECIFICATIONS	
1	Invertor	Sukam/ Sudip/ Autobat or eque
2	Exhaust Fan	Crompton//Usha/Orient
3	Light Fittings	Philips
4	Cable & Wire	Finolex /Poly cab
5	Switch & Socket	Anchor/Roma
6	Casing Capping & Accessories	Modi/Asian
7	M.S. Conduits	Asian/BFC
8	PVC Conduits	Asian
9	Ceiling Roses, Bell Push, Bells	Anchor
10	DB/MCB/MCCB	MDS/Siemens
11	Cutout	Stanley/Havells
12	Bus Bar Chambers	Stanley/Samrat
13	Cable Glands & Lugs	Siemens
14	Telephone Wire	Finolex 'Delton
15	Capacitors	Crompton / Asian

CONTRACTOR INDIAN BANK

	SUMMARY	AMOUNT
В	ELECTRICAL	
С	COMPUTER AND DATA	
	TOTAL	
	GST AS APPLICABLE	

NO	ITEMS	UNIT	QTY	RATE	AMT
	SECTION – A				
2	MAIN INCOMING PANEL (MIP)	nos	1		
	Supply installation, testing and commissioning of				
	wall / floor mounted indoor type, air insulated,				
	totally enclosed vermin- proof, dead front, cubicle				
	type, 2mm thick sheet steel enclosed main incoming				
	panel (MIP) suitable for use on 415V, 3 Ph., 4 wire,				
	50Hz A.C. system, instrumental panel, CTs, incoming				
	and outgoing cable compartment, Each unit shall be				
	accommodated in a totally separated compartment				
	having gasketted hinged door with locking				
	arrangement. The Panel shall be complete with				
	switches of following ratings, interconnection, G.I.				
	earth busbar of adequate size covering the total				
	length of switch board with drilled holes, G.I. bolts,				
	nuts,, washers, etc. The cubicle should be painted				
	with 2 (two) coats of lights grey synthetic enamel				
	paint over two coats of zinc chromate primer.				
	Danger sign board in English , and Marathi.				
	The complete fabrication, construction shall be done				
	as per the detailed specification and conforming to				
	the relevant IS. Name place of Panel, Danger Board,				
	incoming and outgoing feeders with Ampere rating				
	of switches / change over switch are to be fixed up				
	on front door or below the respective switches.				
	Short circuit I.C. of all MCBs should be of 10 KA				
	(min.) The contractor shall submit the fabrication				
	drawing for approval before fabrication.				
	The MIP consists of the following				
	INCOMING:				
	1 NO. : 415V 160A 4P MCB (25KA min.)				
	having O/L & S/C Protection device.				
	1 NO. : 415V 50A TPN MCB				
	1 NO. : 0 – 150A 96mm sq Ammeter with				
	selection switch (4 position – 3 way and off);				
	1 NO. : 0 – 60A 96mm sq Ammeter with				
	selection switch (4 position – 3 way and off);	1			
	1 NO. : 0 – 500V 96mm sq Ammeter with				
	selection switch (4 position – 3 way and off); with				
	fuse base and carrier;				
	6 Nos. : Phase indicating lamps.				
	3 Nos : 150/5 A CTS				
<u></u>	2 Section of PVC sleeved TPN Tinned Copper Busbar				
	A) 25mm x 6mm for phases & neutral for				
	one section &				
	B) 20mm x 5mm for phases & neutral for				
	one section.				
	G.I. EARTH BUSBAR				
	25m x6mm covering the total length of panel				
	outgoing]			

	1 NO. 415V 63A auto change auto reset switch.			
	2 NO. 415V 63A TPN MCB			
	5 Nos.415V 32A / 40A TP MCB			
	8 Nos. 240V 32A / 40A SP MCB			
	18 Nos. 240V 16 A / 20A SP MCB			
	10 NOS. 240V 10 A / 20A SI MIGD			
3.5	ATM BOARD : -	NOS	1	
3.3	40/32 Amps DP MCB in MS enclosure box	1105	1	
	10/32 milps b1 Mdb iii Mb chelosare box			
3.6	AC POWER DISTRIBUTION BOARD	NOS	1	
	4 Ways TPN DB consists of			
	Incomer: - 63 Amps DP MCB – 1No.			
	Outgoing : - 63 Amps DP MCB – 1No			
	TOTAL SECTION A			
	SECTION - B			
	POWER CABLE & TERMINATION : -			
1	Supplying, Installation, Testing & Commissioning of			
	LT Cable rated for 600/1100 Volts AC as per IS			
	Standard with necessary accessories and			
	termination as			
2	3 .5 Core x 50 sq.mm Aluminium armoured Cable	Per m	10	
	from Meter Room to main power Panel with 2 Nos.			
	of 12SWG Copper Earth Wire .including crimping			
3	4 Core x 6 sq.mm Copper PVC Copper armoured	Per m	10	
	cable with 1 no. of 12 SWG earth wire from MPP to			
	AC DB.			
4	10 sq.mm x 2nos. Copper PVC Insulated wire from	Per m	35	
	UPS output to UPS DB with 1 no of 6 sq.mm Copper			
	earth wire			
5	25 sq.mm x 4 nos. of lead wire from meter to main	Per m	25	
	switch in meter room.			
6	2 x 4 sq.mm + 1x1.5 sq.mm thru M.S conduit from	Per m	15	
	main panel to glow Board		1	
7	3.5 Core 50 sq.mm PVC insulated Alu armoured	Per m	10	
	cable with 2 nos.8 SWG G.I wire as running earth.			
	TOTAL SECTION B			
	SECTION - C			
	LIGHT POINT WITH WIRING			
	Note – The point mention below is inclusive of			
	circuit wiring .Aa switch boards should be			
	connected with separated from main panel.			
	Point wiring with 1100 V grade nos. single core 1.5			
	sq.mm (1 for phase, 1 (black colour) for common			
	neutral by looping method and 1 (green colour) for			
	common earth by looping method)PVC insulated			
	flexible FRLS copper conductor cable (IS : 694)			
	Through PVC conducts of 25mm /20mm of 16 gauge			
	thickness (ISI marked embossed on conduit surface			
) complete with junction box, circular box, elbows,			
	bends, couplers and other accessories on surface			
<u> </u>	Jan Jan Jan _ Jan	Ī	ı	 1

				1	
	e ceiling or concealed by chase cutting on				
	light & fan switch board to light, fan & 6A				
	let on the same switch board or				
separately	mounted switch board. The work				
includes su	apply and fixing of all materials as				
specifies n	nake modular type 6A switch for each				
_	an point, 6A 2/3 pin shuttered socket				
	switch, 3 place ceiling rose / angle or				
	der etc. as required.				
	wiring also includes circuit wiring with				
_					
_	ade 2 nos. single core 2.5 sq.mm (1 for				
	1 (black colour) for neutral + no. single				
	.mm (green colour for each) PVC				
	lexible (FRLS) copper conductor cable (IS				
	ugh suitable size PVC. Conduit as				
described	above from DB to switch board,				
interconne	ection ,mending good all damages to				
original fir	nish, painting etc. as required to be				
completed	in all respect. All connections of wires to				
	means of 'wago' type connectors. (All				
1	trong room, locker room, records &				
	room will be of surface conduit type).				
Stationary	Toom win be of surface conduit type).				
1 Primary Li	ght Point	Nos.	20		
	Light Point	Nos.	15		
	set Fan point with 2/3 Pin socket (to be	Nos.	12		
		NOS.	12		
	t fan height and switch)				
_	Point with supply and fixing of 2 Module	Nos.	4		
	ator/dimmer (280 W min)				
4 Exhaust fa	n point	Nos.	3		
5 Call Bell Po	oint with Push Bell (Indicator Type or	Nos.	1		
Ding Dong					
6 1 x 6A 2/3	pin shuttered with switch on separate	Nos.	8		
	ard other than fan / light switch board.				
	pin shuttered with switch on separate	Nos.	4		
, -	ord other than fan / light switch board.	1103.	1		
SWILLII DOG	ind other than fair / light Switch board.				
0 1 (A F !-	a shuttared goalret with gwitch an	NOC	1		
	n shuttered socket with switch on	NOS	4		
	witch board on than fan / light switch				
board					
	R POINT WITH WIRING -	Each	6		
	point wiring from DB with 1100volt grade				
_	le core 4 sq. mm. + 1no. 2.5 sq.mm (Green				
	earthing) PVC insulated flexible FRLS				
copper cor	nductor cable through suitable size M. S				
conduit (IS	I marked embossed on				
	rface) complete with junction box,		1		
	x, elbows, bends, couplers and other				
	_				
accessorie	s on surface above falls ceiling or				
	s on surface above falls ceiling or				
concealed	by chase cutting on wall. The work				
concealed includes su					

	socket with matching plug, 20A starter in sheet steel enclosure with 4 module plate, mounting box complete with interconnection, mending good all damages to original finish, painting etc. as required. All connection of wires to be done by means off 'wago' type connectors.			
10	Supply and fixing of 16/6A 6 pin shuttered socket outlet with switch and indicator, mounting box and suitable size front plate on wall just opposite 2 switch board of strong room / locker room and supply of 1.1KV grade 3 core 2.5sq.mm round PVC insulated and PVC sheathed flexible copper conductor cable of 1.5meter length having (1) no. 16A 3 pin plug at on end and the other end will be parentally connected to the switch board inside the room including inter connection, chase cutting, mending good all damage to original finish, painting etc. as required.	No	1	
	TOTAL SECTION C			
	SECTION - D			
	LIGHT FIXTURE-			

	Supplying, Installation, Testing & Commissioning of			
	following light fixtures complete of appoved make make			
	as per specification with all fitting, accessories such as			
	junction Box, Hardware, Starter, Connector, Lamps,			
	Tube etc. Fittings and make as mentioned below consist			
	of electronic ballast & colour 84 PL tube with direct &			
	indirect lighting, all fittings, accessories such as Chain			
	Link Support on Ceiling/ wooden framework approved			
	by Architect . (Before Installation Sample must be			
	shown Architect)			
a	PHILIPS MAKE RC 3808 LED 25 6500 PS OD WH	Nos.	11	
b	PHILIPS MAKE DN 191B LED 6S - 6500 PSU WH	Nos.	9	
С	PHILIPS MAKE ASTRA BN150W LED 13S – 6500 PSE OD	Nos.	15	
	GR			
6	CROMPTON CEILING FAN 1200MM dia , white colour	Nos.	3	
	with all accessories.			
7	300mm Exhaust fan with all accessories with mounting	Nos.	3	
	ring and lourve complete (white colour only) GEC make			
8	400mm dia will bracket fan all accessories (white	Nos.	10	
	Colour only)			
9	Supplying and fixing on wall call bell buzzer (approved	Nos.	1	
	by Consultant) suitable for 240 volt single phase A.C.			
	supply including interconnection, etc. as required.			
	TOTAL OF SECTION - D			

	SECTION - E			
	TELEPHONE CABLING : -			
1	S/I/T Commissioning of 20 pair telescopic unarmoured cable from service point to Krone Box INCLUDING CONDUIT / CASHING CAPPING (Make - Finolex / Delton / Polycab)	Per m	25	
2	TELEPHONE JUNCTION BOX			
	Supply and Fixing of 25 pair telephone junction box 'Krone make on wall /furniture / partition with hinged cover and screwed type tag strips complete with chase cutting, mending good, painting etc. Inc (make – Krone type Delton / ITL)	Per nos.	1	
3	TELEPHONE WIRING	Per nos		

	Supplying and lying of 2 paid 0.50mm dia telephone	Per nos	200	
	cable through pre-laid rigid PVC conduit as shown in			
	the drawing or otherwise as directed by the			
	consultant from Telephone Junction box to Telephone			
	socket outlet including interconnection, mending			
	good, etc, as required to be completed in all respect.			
	Including conduit			
4	TELEPHONE SOCKET	Per nos.	10	
	Supply and fixing on wall / furniture/ partition			
	recessed type Legrand / North – West / Novar make			
	Telephone socket outlet (RJ 11) with mounting box &			
	front place as shown in the drawing complete with			
	chase cutting, mending good etc. as required.			
	TOTAL OF SECTION - E			
	SECTION - F			
	MISCELLANEOUS WORK :-			
3.	Earthing the installation as per I.E. rules conforming			
5.	to IS: 3043 – 1987 or its latest amendment by making			
1	earth section with 600mm x 6mm (min) thick copper			
_	plate electrode to be installed such that its top edge			
	shall be at a min depth of 3.0m below ground level			
	after preparation of ground with charcoal and salt			
	connecting the 25mm x 6mm copper earth lead-in-			
	strip (upto 10m length) by bolting and then brazing			
	to the copper plate complete with copper bolts of			
	suitable length double nuts and washers including			
	supply and fixing of 50mm dia. Partly perforated G.I.			
	pipe with funnel for watering arrangement. The			
	copper earth lead-in-strip shall be PVC sleeved /			
	insulated throughout the total length and the			
	underground portion to be laid through suitable size			
	heavy duty rigid PVC conduit (ISI embossed on			
	conduit surface) at an average depth of 500mm below			
	, , , , , , , , , , , , , , , , , , , ,			
-	ground level. The carthing installation should be provided with	Each	2	
	The earthing installation should be provided with	Lacii	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	300mm x 300mm x 300mm depth inside dimension			
	masonry inspection pit with C.I. hinged cover having			

	locking arrangement and restoring the surfaces duly			
	rammed			
3.	Earth lead-in-strip exceeding 10m length as	Mtrs	15	
5.	mentioned in item no. 3.5.1. with supply and fixing of			
2	25mm x 6mm copper strip having PVC sleeved /			
	insulated to be fixed on wall surface with tinned			
	copper bar saddles . camps at an interval of 300mm			
	etc.as required to be complted in all respect. Min			
	clearance between wall surface and copper earth			
	lead-in-strip should be 6mm.			

		1	1	
	1 no. 16A modular type controlling switch			
	1 no. front cover of suitable size			
	1 no. Moulding box of suitable size			
	Note : - All power supply is thru DB. The Control switch			
	is to be located in another board above table. the			
	supply socket is located on another board below			
3.3	UPS Power Distribution Board	Nos.	2	
	4 way TPN DB Consist of			
	Incomer :- 63 Amps DP MCB - 1 NO.			
	Outgoing :- 10/16 Amps SP MCB – 14 nos.			
2.4	AND CHARLES A CHARLES OF THE CONTROL	27	1	
3.4	UPS INPUT / OUTPUT Consists of	Nos.	4	
	63 Amps / 40 Amps DP MCB in MS enclosure box			
	TOTAL OF SECTION - F			
	SECTION - G			
	DATA CABLING AND COMPUTER POINTS			
	COMPUTER SOCKET POINT :- (thru UPS supply only)	set	10	
	COMPUTER SOCKET POINT :- (thru UPS supply only)			
	Computer socket outlet cluster point wiring 1100V			
	grade 3nos.single core (1 for earth, green colour) 1.5			
	sq.mm . PVC insulated flexible FRLS copper conductor			
	cable conforming to IS: 694 through suitable size rigid			
	PVC. Conduit (ISI mark embossed on conduit surface)			
	and conduit accessories partly thorough concealed in			
	wall, embedded in floor, partly on surface above false			
	ceiling and partly through partition or through flexible			
	conduit from CDB to computer socket outlet cluster as			
	detailed below and up to connection of 2 nos. socket			
	clusters in 1 (one) circuit connecting by looping			
	method. The work includes supply and fixing of socket			
	outlet cluster as detailed below and up to connection			
	of 2 no. socket cluster 1(one) circuit connecting by			
	looping method. The work includes supply and fixing			
	of socket outlet cluster competent (legrand / north –			
	west / novar make) as detailed			
	Each computer socket outlet cluster compressing the			
	following			
	3 nos. 6A 2/3 pin modular type shuttered socket			

	3 nos. 6A modular controlling switch			
	1 no. 16/6A pin modular type shuttered socket			
	Supply and installation of Cat 6 UTP Cable	Per mt	400	
	Cat 6 information outlet with Face plate	Per Mt	10	
	24 Port Cat 6 jack panel (existing)		1	
	3 ft Patch Cord cat 6	Per No	10	
	7 ft. Patch cord cat 6	Per No	10	
	24 Port 10/100 Fast Ethernet switch (Existing)	Per No	1	
	12 Uwall mounting 19"Standard Net working Rack (Existing)	Per No	1	
	Total of G			
	SUMMARY			
	TOTAL SECTION A			
	TOTAL SECTION B			
	TOTAL SECTION C			
	TOTAL SECTION D			
	TOTAL SECTION E			
	TOTAL SECTION F			
	TOTAL SECTION G			
В	ELECTRICAL GRAND TOTAL			
	+GST			