

PROJECT: INDIAN BANK RAPC BRANCH AT SHASTRINAGAR PUNE					
CLIENT: ZONAL OFFICE, PUNE					
SITE ADDRESS: SHASTRINAGAR, PUNE					
RECAPITULATION					RS
Switchgear: Lauritz Knudsen, MDS, LEGRAND					
Panel: As per CPRI specs					
Cables: Finolex/polycab FLRSH					
Switches: Anchor Roma, Legrand					
Fans: BDLC Atomberg/Crompton white colour only					
Cat 6 and accessories: Dlink.					
RECAPITULATION					RS
C	ELECTRICAL WORK				
D	DATA CABLING AND COMPUTER POINTS WORK				
E	AC WORK (INSTALLATION WORK ONLY, AC UNITS WILL BE SUPPLIED BY BANK)				
1	TOTAL				
GST as applicable					
note:					
This is a existing site					
Contractor shall visit the site before submitting the bid					
The bid asked for is for completed work, any incidental work happening shall be included in the rate mentioned and no extra shall be paid.					
Bank will purchase AC from GEM portal, Bidder will have to be installation only					
B ELECTRICAL WORKS					
NO	ITEM	UNIT	qty	rate	amount
	LIGHT POINT with WIRING				
	Note: The point mention below is inclusive of circuit wiring. Aa Switch boards should be connected with separate circuit from main panel				

	Point wiring with 1100 V grade 3 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 Conduits of 25mm/20mm of 16 guage thickness (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall from light & fan switch board to light, fan & 6A socket outlet on the same switch board or separately mounted switch board. The work includes supply and fixing of all materials as specified make modular type 6A switch for each light and fan point, 6A 2/3 pin shuttered socket outlet with switch, 3 plate ceiling rose / angle or batten holder etc. as required.				
	The point wiring also includes circuit wiring with 1100 V grade 2 nos. single core 2.5 sq.mm. (1 for phase and 1 (Black colour) for neutral) + 1 no. single core 1.5 sq.mm. (Green colour for earth) PVC insulated flexible (FRLS) copper conductor cable (IS:694) through suitable size PVC. conduit as described above from DB to switch board, interconnection, mending good all damages to original finish, painting etc. as required to be completed in all respect. All connections of wires to be done by means of "Wago" type connectors. (All wiring in strong room, locker room, records & stationery room will be of surface conduit type).				
1	Primary Light Point	nos	6		
2	Call Bell Point with Push Bell (Indicator Type or Ding Dong)	nos	1		
3	1x6A 2/3 pin shuttered socket with switch on separate switch board other than fan/light switch board.	nos	4		
4	1x6A 2/3 pin shuttered socket with switch on separate switch board on than fan/light switch board.	nos	4		
5	1x16A 5 pin shuttered socket with switch on separate switch board on than fan/light switch board.	nos	2		
6	AC POWER POINT with WIRING: -	Each	1		

	A.C. power point wiring from DB with 1100 volt grade 2 Nos. single core 4 sq.mm. + 1 No. 2.5sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall. The work includes supply & fixing by chase cutting on wall, 'North-West' make A.C. power unit having 25A 3 pin 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 connections of wires to be done by means of 'Wago' type connectors.				
	LIGHT FIXTURE: -				
	Supplying, Installation, Testing & Commissioning of following light fixtures complete of approved 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 & color 84 PL tube with direct & indirect lighting, all fitting, accessories such as Chain Link Support on Ceiling/ wooden framework approved by Architect. (Before Installation Sample must be shown to Architect)				
1	PHILIPS MAKE RC 3808 LED 25 6500 PS OD WH	Nos	5		
2	PHILIPS MAKE DN 191B LED 6S -6500 PSU WH	Nos	2		
3	400mmdia wall bracket fan with all accessories (White Colour Only metal blades only)	no	1		
4	Supplying and fixing on wall call bell buzzer (approved by Consultant) suitable for 240 volt single phase A.C. supply including interconnection, etc. as required	no	1		
	TELEPHONE CABLING: -				
1	S/I/T/Commissioning of 20 pair telephone unarmoured cable from service point to Krone Box INCLUDING CONDUIT/CASING CAPPING (Make - Finolex / Delton / Polvcab)	per m	0		
2	<u>TELEPHONE JUNCTION BOX</u> Supply and fixing of 25 pair telephone junction box "Krone" make on wall /furniture/partiion with hinged cover and screwed type tag strips complete with chase cutting, mending good, painting etc. as required. Inc (Make - Krone type Delton / ITL)	per nos	0		

3	<u>TELEPHONE WIRING</u>	per m	25		
	Supplying and laying of 2 paid 0.50 mm dia Telephone 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	<u>TELEPHONE SOCKET</u>	per nos	5		
	Supply and fixing on wall / furniture / partition recessed type Legrand/North - West/Novar make Telephone socket outlet (RJ 11) with mounting box & front plate as shown in the drawing complete with chase cutting, mending good etc. as required.				
B	ELECTRICAL GRAND TOTAL				
	DATA CABLING AND COMPUTER POINTS				
	COMPUTER SOCKET POINT: - (thru UPS supply only)	Set	9		
	Computer socket outlet cluster point wiring with 1100 V grade 3 nos. 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 through 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 upto connection of 2 nos. socket clusters in 1 (one) circuit connecting by looping method. The work includes supply and fixing of socket outlet clusters components (Legrand/North - west/Novar make) as detailed below.				
	Each computer socket outlet cluster comprising the following :				
	3 nos. 6A 2/3 pin modular type shuttered socket				
	3 nos. 6A modular type controlling switch				
	1 no. 16 /6A 6 pin modular type shuttered socket				
	1 no. 16A modular type controlling switch				
	1 no. Front cover of suitable size				
	1 no. Mounting box of suitable size				
	Note:- All power supply is thru UPS DB. The Control switch is to be located in another board above table. The supply socket is located on another board below table				
	COMPUTER POINTS				
1	DATA CABLING (including conduit casing capping)				

2	SUPPLY & INSTALLATION OF CAT 6 UTP CABLE	per m	300		
3	CAT 6 INFORMATION OUTLET WITH FACE PLATE	per no	9		
4	24 PORT CAT 6 JACK PANNEL (EXISTING)	per no	1		
5	3 FT. PATCH CORD CAT 6	per no	9		
6	7 FT. PATCH CORD CAT 6	per no	9		
7	24 PORT 10/100 FAST ETHERNET SWITCH	per no	1		
8	12 U WALL MOUNTING 19" STANDARD NETWORKING RACK	per no	1		
TOTAL DATA +COMPUTER POINTS					
AC WORK					
Sr. No	SPLIT TYPE AIR CONDITIONERS				
A.	PART -A				
	HIGH SIDE WORK				
	Description	Unit	Qty	Rate	Amount
B.	PART -B				
	LOW SIDE WORK				
1	EXTRA REFRIGERANT PIPING	Mtr.	35		
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC and 2.0/3.0 TR Cassette AC (From Indoor to outdoor Units) Beyond 5 M.Item to include piping to be concealed done in chases and filled up POP. Complete				
2	DRAIN PIPING	Mtr.	35		
	Providing and fixing drain piping 25mm/35mm Hard PVC pipe up to drain as directed by the engineer in charge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, fixing with GI clamps,floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
3	AIR-CONDITIONERS STAND and Installation	Nos.	1		

SATYAJIT RANE
ARCHITECT

	MS-STAND - Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all-round. The frame shall be of angle 35mm*35mm and it shall be fixed to wall or roof with proper MS bracket to tackle the weight of outdoor unit. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the employer. Size shall be adequate for AC outdoor size & sufficient space around the outdoor suitable for servicing purpose for Outdoor unit of specified tonnage above mentioned. Complete.				
6	ELECTRICAL CABLES	Mtr.	15		
	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for tonnage mentioned above Complete Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2- 4 C / 1.5/2.5 -6.0 Sqmm) as per design requirement of Peak load calculation of specific ACs system installed at site with 1"/1/2"/2" PVC conduit pipe between indoor/outdoor unit, Complete.				
	TOTAL OF PART B				
	TOTAL AC				