

	PROJECT			
	Civil, Interiors,Electrical,Airconditiong work, branch of Maharashtra State Co.op Bank, Branch			
	<i>located at:-</i>			
	Kandivali			
	Mumbai			
	CLIENT			
	Maharashtra State Co.op Bank,			
	Fort			
	Mumbai			
	area of premises.(sft)		877 sft	
	ESTIMATE RECAPITULATION		BRANCH	
	CIVIL/INTERIOR			
	ELECTRICAL WORK			
	COMPUTER DATA			
	FIRE ALARM			
	CCTV			
	AIR CONDITIONING			
	TOTAL			
	9% CGST			
	9% SGST			
	TOTAL with TAXES			
	note:			
	INTERIOR WORK (BRANCH AND ATM)			
	SUMMARY			

A	CIVIL WORK				
B	PAINTING WORK				
C	FALSE CEILING WORK				
D	FURNITURE WORK				
TOTAL INTERIOR WORK					
1a	Grille work Providing and fixing mild steel grill work for sandwich partition windows, ventilators etc. 20 Kg./Sq.M. as per drawing including fixtures, necessary welding & painting with one coats of anticorrosive paint & two coats of oil painting complete. Item shall include staircase railing on entrance steps. Spec. No.: Bd U. 1 Page No. 537	sq.m	20		
12	Removing of old work and reassembly of the same at new site Removing of old furniture/doors/windows, cleaning of premises etc.	no	1		
CIVIL WORK					
C PAINTING					
A	OBD Painting on wall Providing & applying OBD paint of Asian Paints/ ICI Dulux/ Berger in minimum 2 coats including scrapping, opening of existing cracks, filling up of "V" cracks with epoxy expandable putty to required depths, making good weak plastered/ unplastered surfaces with cement plaster wherever required. The painting is to be done on exiting surface provided by landlord.e to receive new paint including cleaning on completion of painting work etc. complete in all respects.	sq.m	500		
C TOTAL PAINTING WORK					
D FALSE CEILING					
A	Gypsum False Ceiling	sq.m	80		

	Providing and Fixing Main Frame Suspended ceiling consisting of fixing company made GI channels of 27mm X 0.5 mm thick having one flange of 20mm and another flange of 30mm along with perimeter of the ceiling. Frame should be properly anchored to the MS frame (item no 8) . The suspending GI intermediate channels of size 45mm x 0.55 mm thick with two flanges of each from the soffit @1200 mm centers with GI hangers of 25mm x 0.5mm thick fixed to soffit with GI cleat and steel expansion Anchor fasteners and to intermediate channel with GI nut and bolt. Ceiling section of 0.5mm thickness having knurled wedge of 51.5 mm and flanges of 26mm each with clips of 10.5mm fixed to the int. channels with help of connecting clips in perpendicular direction to the intermediate channels at 450mm center, 12.5mm thick tapered Edge Gypsum plaster board is to be fixed with 25mm screws maintaining proper distance . Surface to be finished with tape and plaster. Cost to include the cutout provision for AC Grill, Light Fittings and any other gazetts as per requirement.3 coats of OBD emulsion paint. Complete				
D	TOTAL FALSE CEILING				
E	FURNITURE WORK				
1	Partitions				
	Solid/partly glazed partition				
	on ground floor	sq.m	65		
	Supplying and erecting full height solid partitions as per drawing and conforming to the following specifications				
	basic frame work :				
	Main frame - Aluminum frame work 51mmx35mm metal studs at 600mm/c c/c equivalent with extra frame below slab soffit for conduit to run above. All verticals secured to slab ceiling.				
	skin membrane : 8 mm thick plywood				
	finishing : 1.0 mm thick laminate sheet of same or combination shades as per instructions.				
	glazing :				
	8 mm. thick clear float glass fixed with continuous steam beech wood glazing beads of approved shape (finished 35 x 25 mm) all round , polished and coated with NC lacquer finish. The rate should also include cost for decorative etching film on one side of the glass.				
	The item shall Supplying and fixing in position overall 37 mm thick solid core hot pressed phenol formaldehyde bonded approved flush door shutter finished with 1.0 mm thick laminate sheet of approved shade and quality on both sides of the door shutter including cost of hardware fittings e.g. mortice locks, brass hinges, door handles etc. of approved make and quality.				
	Quoted rates shall include all necessary materials , accessories and labour and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials for wiring conduits and switch boxes shall be separately paid for.)				
	Door:				

	The item shall Supplying and fixing in position overall 37 mm thick solid core hot pressed phenol formaldehyde bonded approved flush door shutter finished with 1.0 mm thick laminate sheet of approved shade and quality on both sides of the door shutter including cost of hardware fittings e.g. mortice locks, brass hinges, door handles etc. of approved make and quality. Along with ply wood box frame finish with 1.0mm laminate Complete				
2	External Glass Door	sq.m	18		
	Providing top and bottom ENOX EAPS 32(interlocking glazing profile) member along with 12mm glass (toughened). The item shal include door of 12mm toughned glass along with Top patch EPF 601 AND EPF 602 Bottom patch, EPF 603, over panel Pivot patch, along with s.s finish handles 300 mm D type, along with EPF 735 Glass door lock with handles, EPF 752 verpanel strike box L patch, complete as per drawing shown Complete				
3	Rolling Blinds	sq.m	12		
4	Laminate panelling	sq.m	5		
	Providing & fixing on site wall panelling in 6mm ply finished with 1mm laminate. As per design shown and directed by Architect with edge8mm thk agrowoob. lipping finished in polish etc. The panelling shall have gap of 35mm from wall to be provided by 35mmx35mm thk hardwood laminate treated with anti termite for levelling surface and fixed at 600mmx600mm horizotal and vertical (for concealing conduits pipe) complete.				
5	Column Panelling	sq.m	5		
	Providing & fixing on site wall panelling in 6mm ply finished with 2mmACP . As per design shown and directed by Architect with edge8mm thk agrowoob. lipping finished in polish etc. The panelling shall have gap of 35mm from wall to be provided by 35mmx35mm thk aluminum pipe work for levelling surface and fixed at 600mmx600mm horizotal and vertical (for concealing conduits pipe) complete.				
8	STORAGE UNITS	sq.m	12		
	Providing and fixing Full / Low height Storage as PER SPECIFICATIONS.				
	Skeleton - made out of 18 mm. Thk ply at end verticals, top and bottom and verticals 450mm to 600mm Centres as shown in drawing and 6 mm thk back ply.				
	SHELVES - 10mm Thk. Glass edges to de polish, front edge to be rounded.				
	SHUTTERS-made out of 19mm thk. ply externally finished in 1.0mm thk. Laminate and Internally finished in 0.8 mm thk. Laminate as shown or directed by Architect.				
	HINGES - Each shutter shall have autoclosing hinges 3 nos per shutter of 900mm height.				
	BOLTS - Flush tower bolts from inside at top and bottom to the required shutters only - other shutters will have magnetic catch fixed top and bottom.				
	LOCKS - of approved make 4 -lever brass body dead lock with S.S. Key - master key for groups as required.				

	The complete fabrication, construction shall be done as per the detailed specification and conforming to the relevant IS. Name plate of Panel, Danger Board, incoming and outgoing feeders with Ampere rating of switches / change over switch are to be fixed up on front door above 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				
	<u>INCOMING :</u>				
	1 No. : 415V 100A 4P MCCB (25KA min.) having O/L & S/C protection device.				
	1 No. : 415V 50A TPN MCB				
	1 No. : 0-150A 96mm sq. Ammeter with selector switch (4 positions – 3 way and off);				
	1 No. : 0-60A, 96mm square Ammeter with selector switch (4 positions – 3 way and off);				
	1 Nos. : 0-500V 96mm square Voltmeter with selector switch (4 positions – 3 way and off) ; with fuse base and carrier;				
	6 Nos. : Phase indicating lamps.				
	3 Nos. : 150/5A CTS				
	<u>2 sections of PVC sleeved TPN Tinned Copper Busbar</u>				
	a) 25mm x 6mm for phases & neutral for one section &				
	b) 20mm x 5mm for phases & neutral for other section.				
	<u>G.I. EARTH BUSBAR</u>				
	25mm x 6mm covering the total length of panel.				
	<u>Outgoing</u>				
	1 nos. 415V 63A TPN MCB				
	3nos. 415V 32A /40A TP MCB				
	8 nos. 240V 32A/40A SP MCB				
	12 nos. 240V 16A/20 A SP MCB				
3.3	UPS Power Distribution Board	nos	2		
	4 Way TPN DB consist of				
	Incomer: -63 Amps DP MCB - 1 No.				
	<u>Outgoing:</u> - 10/16 Amps SP MCB - 14 Nos.				
3.4	UPS INPUT/ OUTPUT consist of	nos	4		
	63 Amps/40 Amps DP MCB in MS enclosure box				
3.6	AC POWER DISTRIBUTION BOARD	nos	1		

	4 Way TPN DB consist of				
	Incomer: -63 Amps DP MCB - 1 No.				
	Outgoing: -63 Amps DP MCB - 1 No.				
	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 required.				
2	3 .5 Core X 70 Sq.mm. Aluminum armoured cable from Meter Room to Main Power Panel with 2 Nos. of 12 SWG Copper Earth Wire. including crimping	per m	15		
3	4 Core x 6 sq.mm Copper armoured cable with 1 no. of 12 SWG earth wire from MPP to AC DB.	per m	5		
4	10 Sq.mm x 2 nos Copper PVC insulated wire from UPS output to UPS DB with 1 no of 6 sq.mm Copper earth wire.	per m	5		
5	25 sq.mm x 4 nos of lead wire from meter to Main switch in Meter room.	per m	5		
6	2x4 sq.mm +1x1.5 sq.mm thru M.S conduit from main panel to glow sign Board	per m	25		
7	3.5 Core 50 sq.mm PVC insulated Alu armoured cable with 2 nos 8 SWG G.I. wire as running earth.	per m	5		
	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 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	18		
	Two Light Point control by one switch	nos	12		
2	Wall Bracket Fan Point with 2/3 Pin socket (to be installed at Fan height and switch)	nos	4		
3	Ceiling Fan Point with supply and fixing of 2 Module step regulator/dimmer (280 W min)	nos	0		
4	Exhaust Fan Point	nos	2		
5	Call Bell Point with Push Bell (Indicator Type or Ding Dong)	nos	1		
6	1x6A 2/3 pin shuttered socket with switch on separate switch board other than fan/light switch board.	nos	5		
7	1x6A 2/3 pin shuttered socket with switch on separate switch board on than fan/light switch board.	nos	5		
8	1x16A 5 pin shuttered socket with switch on separate switch board on than fan/light switch board.	nos	5		
9	AC POWER POINT with WIRING: -	nos	3		
	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.				
10	Supply and fixing of 16/6A 6 pin shuttered socket outlet with switch & indicator, mounting box and suitable size front plate on wall just opposite to Switch Board of Strong Room / Locker Room and supply of 1.1 KV grade 3 core 2.5 sq.mm. round PVC insulated and PVC sheathed flexible copper conductor cable of 1.5 meter length having one (1) no. 16A 3 pin plug at one end and the other end will be permanently connected to the Switch Board inside the room including interconnection, chase cutting, mending good all damages to original finish, painting, etc. as required.	NO	1		
	TOTAL SECTION B				
	<u>SECTION - D</u>				
	FLOOR RACEWAYS & CONDUITS: -				

	Supplying, Installation, Testing & Commissioning of following raceways /conduits in flooring. The rate shall be inclusive of removing the flooring by cutter & back filling the same with required Sand, Cement etc. and giving the finishing upto the floor level as per instructions of Architect If conduits are required to be fixed on wall it shall be done by making chase cutting on wall through partition. The work includes making good all damages to original finish, paiting etc as required.				
1	50mm X 25mm X 2mm thick Aluminum Raceways. (<u>Make</u> - Hindustan / Jindal)	nos	0		
2	80mm X 40mm X 2mm thick Aluminum Raceways. (<u>Make</u> - Hindustan / Jindal)	nos	0		
3	25mm Dia PVC heavy conduit pipe. (<u>Make</u> - Precision / polycab)	nos	0		
	FLOOR JUNCTION BOX: -				
	Supplying, Installation, Testing & Commissioning of following MS junciton boxes in floor of 14 SWG thick duly painted. The rate shall be inclusive of providing Sand, Cement etc. and finishing the same upto the floor level as per instructions of the Architect.				
4	150mm X 150mm X 2mm thick junction box with stainless steel cover plate.	nos	0		
5	300mm X 300mm X 2mm thick junction box with stainless steel cover plate.	nos	0		
6	75mm X 75mm X 2mm thick junction box with stainless steel cover plate.	nos	0		
	TOTAL OF SECTION - D				
	SECTION - E				
	COMPUTER SOCKET POINT: - (thru UPS supply only)	Set	8		
	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.				
	TOTAL OF SECTION - E				
	SECTION - F				
	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 on Ceiling/ wooden framework approved by Architect. (Before Installation Sample must be shown to Architect)				
1	SYSKA make 600x600mm fittings LED	no	5		
2	SYSKA make LED light	no	10		
3	SYSKA make LED Tubelite	no	12		
4	SYSKA make patti tubelite	no	0		
5	Havells make exterior fitting	no	0		
6	CROMPTON CEILING FAN 1200MM dia, white colour with all accessories.	no	0		
7	300mm Exhaust fan with all accessories with mounting ring and louver Complete(white colour only) GEC make.	no	4		
8	400mmdia wall/ceiling bracket fan with all accessories (White Colour Only)	no	4		
9	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	2		
	TOTAL OF SECTION -F				
	SECTION - G				
	TELEPHONE CABLING: -				
		per m	15		
1	S/I/T/Commissioning of 20 pair telephone unarmoured cable from service point to Krone Box (Make - Finolex / Delton / Polycab)				
	<u>TELEPHONE JUNCTION BOX</u>				
2		per nos	1		
	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.				

	(Make - Krone type Delton / ITL)				
3	<u>TELEPHONE WIRING</u>	per m	120		
	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.				
4	<u>TELEPHONE SOCKET</u>	per nos	8		
	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.				
	TOTAL OF SECTION - G				
	SECTION - H				
	MISCELLANEOUS WORK: -				
3.5.1	Earthing the installation as per I.E. rules conforming to IS:3043-1987 or its latest amendment by making earth station with 600mm x 600mm x 6mm (minimum) thick copper plate electrode to be installed such that its top edge shall be at a minimum depth of 3.0 metre below ground level after preparation of ground with charcoal and salt and connecting the 25mm x 6mm copper earth lead-in-strip (upto 10 metre 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 mark embossed on conduit surface) at an average depth of 500mm below ground level.				
	The earthing installation should be provided with 300mm x 300mm and 300mm depth inside dimension masonry inspection pit with C.I. hinged cover having locking arrangement and restoring the surfaces duly rammed	Each	1		
3.5.2	Earth lead-in-strip exceeding 10 metre length as mentioned in item no. 3.5.1. with supply and fixing of 25mm x 6mm copper strip having PVC sleeved / insulated to be fixed on wall surface with tinned copper bar saddles / clamps at an interval of 300mm etc. as required to be completed in all respect. Minimum clearance between wall surface and copper earth lead-in-strip should be 6mm.	Mtr.	15		
	TOTAL OF SECTION - H				
	SECTION - i				
	DATA CABLING				
	SUPPLY & INSTALLATION OF CAT 6 UTP CABLE	per m	250		
	CAT 6 INFORMATION OUTLET WITH FACE PLATE	per no	7		

	24 PORT CAT 6 JACK PANNEL	per no	1		
	3 FT. PATCH CORD CAT 6	per no	7		
	7 FT. PATCH CORD CAT 6	per no	7		
	24 PORT 10/100 FAST ETHERNET SWITCH	per no	1		
	12 U WALL MOUNTING 19" STANDARED NETWORKING RACK	per no	1		
	TOTAL OF SECTION - i				
	SUMMARY				
	TOTAL SECTION A				
	TOTAL SECTION B				
	TOTAL SECTION C				
	TOTAL SECTION D				
	TOTAL SECTION E				
	TOTAL SECTION F				
	TOTAL SECTION G				
	TOTAL SECTION H				
	TOTAL SECTION I				
	GRAND TOTAL				
E.	FIRE ALARM & DETECTION SYSTEM				
1	<u>FIRE ALARM & DETECTION SYSTEM</u>				
	Supply , installation , testing and commissioning of 2 zone local Fire Alarm Control panel with 24 Volt maintenance free battery & changer rectifier with mounting base.	Each	1		
2	<u>SMOKE DETECTOR</u>				
	Supply , installation , testing and commissioning of following smoke detectors complete with mounting base				
2.1	Ionisation type detector	Each	8		
2.2	Optical type detector	Each	8		

3	<u>Heat Detector</u>				
	Supply, installation, testing and commissioning of Ionization type heat detector complete with mounting base.	Each	8		
4	Supply, installation, testing and commissioning of Response Indicator.	Each	8		
5	<u>MANNUAL CALL POINT</u>				
	Supply , installation , testing and commissioning of manual call point (MCP) insheet steel box with hammer & chain.	Each	3		
6	<u>HOOTER</u>	Each	2		
	Supply , installation , testing and commissioning of flasher cum electronic hooter (dual tone).				
7	<u>CABLE</u>				
	Supply, laying & termination of sockets/connectors of 2 core 1.5 sq.mm PVC insulated armoured copper cable onwall/ceiling bymeans of saddles for connection of smoke detectors / Heat Detector including manding good ,painting etc. as required.	Mtr.	120		
8	Supply and laying of 2 Nos. single core PVC insulated copper wire through suitable size flexible M.S conduit for connection of Smoke Detector (above false ceiling) with Response Indicator.	Mtr.	60		
9	Supplying and fixing of Emergency Exit Sign board of approved size on wall with photo- luminiscent tapes.	Each	5		
10	Supply and installation of CO ₂ (4.5 Kg) type fire extinguisher (ISI mark).	Each	6		
11	Supply and installation of 32 A FP changeover switch for server UPS	Each	1		
	TOTAL (FIRE ALARM & DETECTION SYSTEM)				
	CCTV (SUPPLYING, INSTALLING AND COMMISSIONING)				
1	4 CH VIDEO, 1CH AUDIO; RECORDING CAPACITY: 720P REALTIME , FULL CHANNEL PLAYBACK SYNCHRONOUSLY; SUPPORT HDD 8TB; MAKE CP PLUS HDMI, VGA;	no	1		
2	REALTIME TRANSMISSION, WHITE CASE MAKE CP PLUS GERMANY	no	6		

3	PS12/3 POWER SUPPLY 3 AMPS 12 VOLT	no	1		
5	CONNECTOR/ACCESSORIES	no	4		
6	WIRE CO-AXIAL RG 59 +2 CORE + LAYING	rm	100		
7	MONITOR DELL 18.5 INCH	no	1		
	total				
AIR CONDITIONING					
no	item	unit	Qty		
	PART A: SUPPLY OF MACHINARY				
1	Air Cooled packaged Air Conditioning System (HITACHI MAKE ONLY)				
	Supplying and erecting split type room Airconditioning unit (tonnage as mentioned below) ton capacity suitable to operate on 250 Volts, 50 cycles,A.C. supply having 1 Nos. of air handling units highwall mounting type having cooling capacity as per capacity mentioned below and the condensing unit connected with 12/9 mm copper piping upto 5 mtr. duly insulated and 3 core copper flexible cord of required length etc. and stand for condensing unit with testing etc. complete and marking Sr.No. and date of erection and remote. Complete.				
1a	Capacity of unit = 2 T SPILT AC WALL mount AC (In main Banking hall)	NO	2		
1B	Capacity of unit = 1 T SPILT AC WALL mount AC (In manager cabin)	NO	1		
	TIMER	NO			
	PART A: SUPPLY OF MACHINARY TOTAL COST				
	PART B: INSTALLATION WORK				
2	ADDITIONAL COPPER PIPING	per m	25		
	Copper piping between indoor and outdoor unit. Suction line to be insulated with elastometric nitrile rubber tubular insulation of 9mm thickness and joints sealed with black moonsoon tape, with electrical wiring Complete				
3	DRAIN PIPE	per m	35		
	Drain piping of 25mm dia PVC pipe for drainage of condensate.(Prince/supreme make)				
4	STANDS	nos	5		

	MS Stands/brackets for unit along with level adjustment.				
5	INSTALLATION CHARGES	nos	5		
6	Piping concealing work, Making chases in the wall filling with P.O.P making good the surface,	per m	50		
	PART B: TOTAL INSTALLATION WORK				
	PART A				
	PART B				
	TOTAL COST of AIRCONDITIONING				