SUMMARY FOR FURNISHING AND ELECTRICAL WORK PUNJAB & SINDH BANK AT DAMPEIR NAGAR MATHURA(U.P.)		
S.NO	**DESCRIPTION**	**AMOUNT (Rs.)**
A	**FURNISHING WORK**	
B	**ELECTRICAL WORK**	
	TOTAL SCHEDULE " A "	
	* GST EXTRA AS APPLICABLE	

BOQ FURNISHING AND ELECTRICAL WORKS FOR PUNJAB & SINDH BANK AT DAMPEIR NAGAR, MATHURA					
A	SCHEDULE - 'A' (FURNISHING WORK)				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1	SUSPENDED FALSE CEILING				
1.1	FALSE CEILING (GYPSUM BAORD)				
	Providing and fixing Gypsum false ceiling as per drawing including of providing and fixing G.I. Frame work shall comprise of G.I. perimeter channel (MF-6A) of size 0.50mm thick having one flange of 19.6mm and another flange shall be of size 29.6mm and a web of 26.6mm along with perimeter of ceiling, screw fixed to the beam to the required curvature with nylon sleeves and screws at not exceeding 610mm centers. Then suspending G.I. intermediate channel (MF-7) of size 45mm, 0.9mm thick with two flanges of 15mm each bent to the required curvature by cutting both its flanges. Suitable bracing to be provided where ever the flanges are cut with 0.9mm G.I. Flat and nuts and bolts at specific positions and thereafter at1220mm centers with ceiling angle of width 25mm x 10mm x 0.50mm thick fixed to soffit with G.I. cleats and steel expansion fasteners as per specification of India gypsum at a distance of 2'0" c/c both ways complete with 12.5mm board and all necessary perimeter channels etc. The joints to be properly mended with paper tapes and gypsum compound all complete. The boards are to be jointed and finished which includes filling and finishing the tapered and square edges of the boards with jointing compound and fiber tape suitable for Gypsum board. A layer up to of 3.00mm thickness of Veneer Plaster is applied followed by two coats of topcoat (primer) at the face of board to give smooth seamless finish. 2 or more coats of plastic emulsion paint (roller finish) of approved shade and make shall be applied.The rate should include the full completion of the ceiling. At the time of handing over the site all necessary repairing work to be considered if required. The work to be completed as per specification , approval of the bank. No Drop or design(if any)will be considered as extra measurement it will be considered flat ceiling. (Only plan area to be measured for payment) .No extra payment will be made for the cutting of light points , stain glass,cove lighting etc. The measurement will be taken in one level , rate should include the drops	Sq.Ft.	555		
1.2	FALSE CEILING (ARMSTRONG CEILINGS – FINE FISSURED MICROLOOK EDGE WITH SILHOUETTE GRID (BLACK REVEAL)				
	Providing and fixing false ceiling system manufactured by M/s. Armstrong World Industries using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36MM gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 42 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire laying FINE FISSURED MICROLOOK WITH SILHOUETTE GRID(BLACK REVEAL) ceiling tiles manufactured by M/s. Armstrong World Industries, of size 600mmx600mmx15mm having NRC 0.55, Light reflectance of >84% (WT), thermal conductivity k = 0.052-0.057 W/m0K, Humidity Resistance of 99% , having Fire Performance CLASS O / CLASS 1 (BS 476), surface having 3 coats of white paint with Fine Fissured, back of the tile duly sanded and finished with a coat of protective paint over the formed grid complete.(Branch & ATM)	Sq.Ft.	655		
	TOTAL OF SUSPENDED FALSE CEILING				

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
2	**PARTITIONS WORK**				
2.1	**FULL HEIGHT SOLID PARTITION**	Sq.Ft.	280		
	Full ht. Solid Partition including flush door & strong room partition up to 7' only :- Providing and fixing solid partition , the framing shall made out of aluminium hollow section of 65mm x 37mm size 1.5mm thick of JINDAL / INDAL as internal frame structure placed horizontally & vertically at max distance of 2'-0" x 2'-0" center to center. Fixing 12MM thick commercial ply on both sides with 1.0mm thick laminate on top of approved shade with groove pattern as per instructions of Architect. The rate shall include the cost of providing skirting of 100mm wide lined with 1mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1mm thk laminate complete. Laminate Should be considered up to two or three color combination. The edge beadings with steam beach wood should be finished with melamine polish if required, frame work above false ceiling done shall not be measured but contractor may factor it while quoting there rates as measurment up to false ceiling lvl.. The rate inclusive of providing & fixing of required flush door of 37mm thick approx. with 1.0mm th.laminate both side with steem beech wood chowkhat of size 75mm x 65mm approx and Item includes Heavy-duty SS ball bearing butt hinges 100 x 5.5 mm (4 Nos. per shutter) with screws etc.The shade of laminate finish to be got approved from Bank. . All as per the design and instructions Bank.				
	Note :- For the purpose of payment partition shall be measured including the area of door/door frames up to false ceiling heaight.				
	Framework shall be regidly secured to floor, bottom of slab & exisitng walls at 2'-0" c/c with dash fasteners.				
2.2	**Partition with one side laminate & other with Gypsum**	Sq.Ft.	105		
	As of the above but Providing and fixing double skin partition using aluminium frame as specified above along with 6mm thick Commercial ply wood lined on one side and lining with 1mm thk laminate and on other side lined with 6mm thick gypsum board of approved shade and make along with grooves.				
2.3	**Single skin partition above ceiling**	Sq.Ft.	110		
	As of the above but Providing and fixing single skin partition above false ceiling(where false ceiling is provided only on one side) for a height of up to 600mm or near about soffit of roof using aluminium frame as specified above along with 6mm thick Commercial ply wood lined on only one side and lining with 1mm thk laminate of approved shade and amke along with grooves.				
2.4	**Full Height Partly Glazed partition**	Sq.Ft.	235		
	Same as of Solid ht. partition , providing 8mm thick Modi/saint Gobin float glass above 1'-0" / 3'-0" & up to 7'-0" fixed with steam beech wood beading of finished size 1 1/2" X 1" all along the edge. All edge-to-edge glass joint to be machine cut and polished and sealed with silicon sealant. joint shall be located strictly as shown in the drawing. All exposed woodwork to be mealamine polished. Item includes frosted/striped/designer glass film of 3m, Avery Dennison or equivalent (basic rate of Flim Rs. 50/ Sq.ft.) on existing glass as per manufacturer's specifications. All as per the design and instruction Bank.				
2.5	**Low. Height Semi Glazed Partition**	Sq.Ft.	115		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Same as above but of Low height as per design including 10mm Toughened glass with edges polished to be used. All other specs are same as of above, Edges of the partition to be covered with 3" X 1.5" Steam beech wood duly melmine polished moulding. 38mm thick flush door: wicket gate also shall be included for a measurement. All as per the design and insturction bank.				
2.6	**Glazed Partition**	Sq.Ft.	45		
	Providing & fixing 10mm thick toughened clear float glass to shape for front side of the cash counters including cutting the holes and providing & fixing TW beading polished and tinted to approved shade. (including SWO/Chief Cashier front Glass).				
	TOTAL OF PARTITIONS WORK				
3	**DOOR & ACCESSORIES**				
3.1	**Main Entrance Door PT Door**	Sq.Ft.	50		
	Providing and fixing toughend glass door shutters of 12mm thickness in opening of glazed partitions with stainless steel patch fittings of approved make (DORMA/ DLINE / GEZE or approved equivalent) including heavy duty double action floor-spring with steel cover plate of approved make, pull handle SS brussed finishes 24" long thick 25mm on both sides of door shutters, locking arrangement of Dorma / D Line or equivalent or better quality as approved by Engineer-in-charge. Exposed edges of glass shall be machine cut & polished. Cost includes cutting and making good the floor, walls, ceiling etc. for fixing floor spring and patch fittings. All complete as per approval of the Architect.				
3.2	**Main Entrance Fixed PT Glazing**	Sq.Ft.	70		
	Providing and fixing toughend glass partition of 12mm thickness with stainless steel patch fittings of approved make (DORMA/ DLINE / GEZE or approved equvalant as approved by Engineer-in-charge. Exposed edges of glass shall be machine cut & polished. Cost includes cutting and making good the floor, walls, ceiling etc. for fixing patch fittings. All complete as per approval of the Architect.				
3.3	Supplying and fixing of Dorma/GEZE Dline / Hardwyn/Godrej or approved equivalent Door Closed for wooden door for Branch manager, Banking ahll, Chief Cashier.	Nos	4		
3.4	Supplying and fixing of mortice door lock of hardwyn make HML-480 Lock Body 304 Stainless Stell. (in BM Cabin , Store room . Cash cabin shall be Godrej Night latch (atm 1 No.)	Nos	4		
3.5	Supplying and fixing of door stopper SS Grade 304, HESSF-2C hardwyn make.	Nos	4		
	TOTAL OF DOOR & ACCESSORIES				
4	**WORKING COUNTER**				
4.1	**CASH/STAFF COUNTERS**	Rft.	5.0		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Providing and fixing Chief Cash Counter in split-levels @ 2'-6" (height 750mm) & 18" (1140mm) with 2'-6" & 15" wide each respectively . Both Upper and Lower tier shall be made of 19 mm thick ply wood finished in 1.0 mm thick laminate. Exposed edge having steam beech wood edging of size 1 ½" x 1". Vertical face shall have 19mm thick ply wood over pine wood framework as per requirement of design. All exposed surfaces shall be finished with 1.0mm thick laminate of approved shade and colour.				
	1 no. prefabricated metal computer key board tray including drawer slides 12.5" x 22" tray with 14" telescopic slides including L – brackets for securing to the table top. Chest of drawers (size 1'-4" x 2'-0" x 2'-5") made of 19mm thick commercial ply wood having three drawers finished with 1.0mm thick Laminate on all sides. Each drawer shall have locking system and 6" long S.S. brushed finished handle, drawer slides etc. of approved make. All exposed edges of ply wood sealed with Steam beech wood beading of size ¼" x ¾". All beading and exposed wood shall be melamine polished and non-laminate surface to be enamel painted. Item includes readymade metal powder coated CPU trolley, grommet, footrest for each seat. All complete as per approval and instructions of the Architect / employer.The rate also include providing and fixing painting a foot rest using hard wood 100 x 25mm size 1st class seasoned country frame. Payment will be made only on the centerline measurement. The rate shall include the cost of providing skirting of 100mm wide lined with 1.0mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1.0mm thk laminate comlpete.				
4.2	**RUNNING COUNTER**	**Rft.**	**20**		
	Providing and fixing staff counter/SWO @ 2'-6" (750 mm) High. It is made up of 19mm thick ply wood and finished in 1.0mm thick laminate. Working top having steam beech wood edging of size 1 ½" x 1". Vertical face shall have 19 mm thick commercial ply over pine wood framework as per requirement of design. All exposed edges of ply wood sealed with Steam beech wood beading of size ¼" x ¾". All exposed surfaces shall be finished with 1.0mm thick laminate of approved shade.				
	The item includes Chest of drawers (size 1'-4" x 2'-0" x 2'- 5") made of 19mm thick commercial ply wood having One drawers at top and a storage cabinet below having shutters of 19mm thick ply wood finished with 1.0mm thick Laminate on all sides. 1 no. prefabricated metal computer key board tray including drawer slides 12.5" x 22" tray with 14" telescopic slides including L – brackets for securing to the table top for each seat. All beading and exposed wood shall be melamine polished and non-laminate surface to be enamel painted. Item includes 1'-3" high 12mm thick toughned glass above upper tier and readymade metal powder coated CPU trolley, grommet, foot rest for each seat. All complete as per approval and instructions of the Architect / employer.The rate also include providing and fixing painting a foot rest using hard wood 100 x 25mm size 1st class seasoned country frame. Payment will be made only on the centerline measurement. The rate shall include the cost of providing skirting of 100mm wide lined with 1.0mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1.0mm thk laminate comlpete.				
	TOTAL OF WORKING COUNTER				
5	**TABLE & FURNITURE**				

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
5.1	**MANAGER TABLE (Size:- 5'-6" x 2'-6") ht. 2'-6"**	Nos	1		
	Providing and fixing tables made out of 19 mm thick commercial ply over hard wood frame work finished with 1.5mm thick laminate of approved shade. Top having steam beech wood edging of size 2" x 1 ¾". 10mm thick clear float glass with beveled edges shall be provided on the finished to 19mm thk Comm.ply wood of approved make cladded with 1mm thk. laminate(color with vertical grain) as per design in all visible areas. All the exposed edges to be covered with wooden steam beech lippings and mouldings duly malamine polish. The drawers to be made out of 19mm thk ply wood with 1.0 mm laminate finish in the front , and bottom to be made out of 6mm plywood and it should play in drawer sliding telescopic channels. The inside of the drawer to be duly paint & Table back side wil be 1mm laminate. A leg rest to be provided duly polished made out of 3"x2" Wooden Section. A shutter to be made by 19mm ply wood cladded with1.0mm laminate .The necessary locks handles to be provided in each drawers and shutters. 3" x 1/2" wooden skiritng to be provided in all visible areas duly polished. The necessary wire managers(SS) to be provided on the tables and provision for lights to be kept if required in the front of the table. All the exposed areas to be duly malamine polished The work to be completed as per design and approval of the Bank. The table should have key board tray and CPU Trolly to be Modular. All as per the design and instructions Bank .				
5.2	**OFFICER TABLE (Size:- 5'-0" x 2'-6") ht. 2'-6"**	Nos	0		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Providing and fixing tables made out of 19 mm thick commercial ply over hard wood frame work finished with 1.5mm thick laminate of approved shade. Top having steam beech wood edging of size 2" x 1 ¾". 10mm thick clear float glass with beveled edges shall be provided on the finished to 19mm thk Comm.ply wood of approved make cladded with 1mm thk. laminate(color with vertical grain) as per design in all visible areas. All the exposed edges to be covered with wooden steam beech lippings and mouldings duly malamine polish. The drawers to be made out of 19mm thk ply wood with 1.0 mm laminate finish in the front , and bottom to be made out of 6mm plywood and it should play in drawer sliding telescopic channels. The inside of the drawer to be duly paint & Table back side wil be 1mm laminate. A leg rest to be provided duly polished made out of 3"x2" Wooden Section. A shutter to be made by 19mm ply wood cladded with1.0mm laminate .The necessary locks handles to be provided in each drawers and shutters. 3" x 1/2" wooden skiritng to be provided in all visible areas duly polished. The necessary wire managers(SS) to be provided on the tables and provision for lights to be kept if required in the front of the table. All the exposed areas to be duly malamine polished The work to be completed as per design and approval of the Bank. The table should have key board tray and CPU Trolly to be Modular. All as per the design and instructions Bank .				
5.3	**SERVER TABLEE (2'-0" WIDE)**	Rft.	0		
	Providing and fixing of Utility//Server Counter 2'-0" wide top made up of 19mm thick commercial pasted on 1.0 mm thk. laminate. The Top of table will be finish with 1.00 thk laminate.all hardware fittings fixtures etc. The drawers to be made out of 19mm thk board with 1.0 mm laminate finish in the front ,sides to be made out of 12mm plywood and bottom to be made out of 6mm plywood and it should play in drawer sliding telescopic channels. The inside of the drawer to be duly paint. All exposed edges to have wooden lipping stained to match the desk and melamine finished.Design and detail of the table shall be as per design. (As per Site, Designing of Table and specification may be Changed). The works to include a keyboard try and CPU trolly to be modular. All as per the design and instructions Bank. (S.S. Finish Lock & Handle to be included)				
5.4	**ROLLING BLINDS**	Sq.Ft.	0		
	Providing and fixing Roller blinds of approved design and shade by the Architect,incl all std fittings as per manufacturer's specification. The work to be completed as per specification and approval of the architect. (approved brand Vista, Hunter Dogulus)				
	TOTAL OF TABLE & FURNITURE				
6	**STORAGE & SIDE UNIT**				
61	**Side and Back Unit**				

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Providing and fixing Side Unit/ Back unit 400 mm depth made out of 19mm ply wood finished with 1.0mm laminate in all exposed areas and top shall be 1.5 mm thick . The drawers to be made out of 19mm commercial plywood and cladded with 1.0mm laminate and bottom made out of 6mm comm ply duly painted in matching tone and it should play on drawer sliding channels . The shutters to be made out of 19mm commercial ply wood and should play on drawer sliding castors on powder coated channels. The necessary locks , handles, etc to be provided . 3" x1/2 wooden skirting to be provided duly polished as per matching tone all along the visible areas . Inside of the unit to be enamel painted in matching tone . All the exposed edges of the boards/ply woods to be coverd with woden lippings/mouldings duly polished all complete. The work to be completed as per approval and specification of the Architect.	Sq.Ft.	9		
6.2	**LOW HT cabinet UNIT**	Sq.Ft.	215		
	Providing and fixing Full /Low height Cabiner400mm deep made out of 19mm thk plywood finished with 1.0mm laminate in all exposed areas . The Shutter to be made out of 19mm ply wood in the front cladded with 1.0mm laminate(color, vertical grain) . and bottom made out of 6mm plywood duly painted in matching tone and shelves 19mm thk comm ply wood to fixed inside storage. The shutters to be made out of 19mm ply wood . The necessary locks , handles, etc to be provided . 3" x1/2 wooden skiritng to be provided duly polished as per matching tone all along the visible areas . Inside of the unit to be enamel paint finish . All the exposed edeges of the boards/plywoods to be coverd with wooden lippings/mouldings duly polished all complete.All as per the design and instructions Bank.				
6.3	**Main Electrical Panel Cabinet**	Sq.Ft.	45		
	Providing and fixing of DB Shuttering formed of 12mm thk plywood wood on 12mm thick Gypsum board (fire Proof) with finsih as per Item no 1 for inside and out side shutters finished with laminate on outer surface with SS (4Nos) louvre perforation and necessary hardware,hinges etc complete as per details. All as per the design and instructions Bank.				
	TOTAL OF STORAGE & SIDE UNIT				
7	**OTHER MISCELLANEOUS ITEMS**				
7.1	**PIN UP / NOTICE BOARD**				
	Providing and fixing soft board with necessary framework with 12mm BWR plywood on top 12 jolly board to be fixed finished with fabric @Rs80 , with necessary mouldings duly polished along the periferi. All as per the design and instructions Bank.	Sq.Ft.	12		
7.2	**PAINTING PLASTIC PAINT**	Sq.Ft.	0		
	Applying 2 Coat putty with primer and Providing and applying Plastic emulsion paint (asian) of approved make and shade on walls including scrapping off, preparing the base & applying 3 or more coats of approved make, color and shade to give an even and smooth surface on new work including necessary scaffolding, coat of cement primer etc. all complete as per direction of Bank. (only banking hall.)				

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
7.3	Applying 2 coat of Plastic emulsion paint (asian) of approved make and shade on walls including scrapping off, preparing the base ect color and shade to give an even and smooth surface on new work including necessary scaffolding, coat of cement primer etc. all complete as per direction of Bank. (Other than banking hall.)	Sq.Ft.	0		
7.4	**WRITING LEDGER**	NO.	1		
	Providing and fixing writing ledge as per design minium 5 ft length made out 19mm comm. board with necessary grove patterns with 1.0mm laminate. 10mm thk machine polished glass to be provided on top of the writing ledge. Small boxes to be made out of 12mm comm. ply to be made on top of the writing ledge finished with 1.0 mm laminate, inside enamel painted and rate should be included providing fixing of sugestion box & Cheque deposit box as per approval of bank .The work to be completed as per design and approval of the architect.				
7.5	**Cheque & sugestion box**	NO.	2		
	Providing and fixing writing ledge as per design minium 5 ft length made out 19mm comm. board with necessary grove patterns with 1.0mm laminate. 10mm thk machine polished glass to be provided on top of the writing ledge. Small boxes to be made out of 12mm comm. ply to be made on top of the writing ledge finished with 1.0 mm laminate, inside enamel painted and rate should be included providing fixing of sugestion box & Cheque deposit box as per approval of bank .The work to be completed as per design and approval of the architect.				
7.6	**Outer Shutter Boxing**				
	Overhead outside shutter box: p/f sal wood frame fixing of 12mm				
	plywood with 1mm thk. Laminate finish and openable shutter for out				
	side area inside shall be 2 coat enamel paint with primer	Sq.Ft.	120		
7.7	**PILLAR & FRONT FACIA ABOVE MAIN ENTRANCE : WOODEN PANELLING**	Sq.Ft.	735		
	Fabricating and fixing wall/column paneling, the framing shall made out of aluminium hollow section of 65mm x 37mm size 1.5mm thick of JINDAL / INDAL at spacing not exceeding 600mm bothways (horizontal and vertical). Paneling framework to be secured to wall surface/column surface.Paneling framework to be clad on one side with 9mm thick ply finished with 1.0mm thk laminate including skirting of 100mm high & 12mm x 12mm groove at skirting level. All as per the design and instructions Bank.				
	TOTAL OF OTHER MISCELLANEOUS ITEMS				
	GRAND TOTAL FOR FURNISHING (A)				
B	**SCHEDULE - 'B' (ELECTRICAL WORK)**				
1	**ELECTRICAL WIRING & EARTHING**				
	Supply,laying,connection & testing of light,fan point, wiring by 2x1.5mmsq(2x3/.029) +1x1mmsq PVC insulated, multistrand single core copper conductor FRLS wire maintating the colour code as per direction in PVC conduite of 20mm with ISI mark 1.5mm thickness to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawaing including 3 point ceiling rows wherever required GI saddle to be used for fixing metal flexiable/PVC flexiable pipe				

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.1	saddle to be used for fixing,metal flexiable/PVC flexiable pipe may use if requied in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe,light, fan & plug point complete with modular type switch plate & MS box . rate Including the main circuite line 2x2.5mmsq+1x1.5mmsq earth PVc insulated Cu. Wire from DB to switch board ,maintaining the colour code. Circuite line for lighting switch board & 6Amps plug board are to be drawn from lighting DB to Lighting board & plug point board (independent), 6/16 Amps plug point line are to be				
a)	1 light by 1 switch (ATM 1 No)	**Nos.**	**27**		
b)	2 light by 1 switch (for Branch 12 & ATM 2)	**Nos.**	**18**		
c)	3 light by 1 switch	**Nos.**	**0**		
d)	4 light by 1 switch	**Nos.**	**0**		
e)	Ceiling fan point with step type electronic regulator	**No**	**1.00**		
f)	Same as above, but for exhaust fan excluding regulator.	**No**	**2.00**		
g)	Same as above 5A Point in the switchboard itself. (for branch 7 No & ATM 1 No)	**No**	**8.00**		
h)	same as above Wiring for call-bell point including buzzer	**No**	**1.00**		
i)	Wiring (2x2.5mmsq+1x1.5mmsq from power DBs) for independant 6A multi pin socket along with 6A modular type switches housed in painted MS box (upto 3 independent plug points can be taken in one circuit). For Fan	**No**	**9.00**		
1.2	Supply and installation of modular type 2 nos 6A & multi pin sockets with 2 nos 6 Amp one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer including wiring for Raw power socket outlet using 2 R runs of 2.50 Sqmm and single run of 1.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 20mm PVC conduit to be laid in floor, partitions, etc. complete with all accessories (looping 2 sets of 2x6A socket outlet in one circuit- from DB) (Raw power). for counter	**No**	**8.00**		
1.3	Supply and installation modular type 16A, 5-pin socket with 16A one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer , the rate shall include wiring fusing 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories (for line printer : or optional).(upto 2 independent plug points can be taken in one circuit)	**Nos.**	**5.00**		
1.4	Supply and installation of power supply disconnection arrangement for strong room consisting of 1 no 10A DP MCB housed in manufacturer's powder coated MS box to be fixed inside the strong room and connected with 1 no 3-pin metal clad plug with 2 metre long 3 core 2.5 sqmm PVC insulated flexible copper conductor cable	**Set**	**1.00**		
1.5	**Acs electrification :-**				

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
(a)	Supply and fixing 25 Amps 3-pin modular socket with 25 Amp one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall includding Wiring using 2R 6.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for cassette unit AC units) -(from Stabilzer to IDU)Supply.	**Nos**	**3.00**		
(b)	Supply and fixing 25 Amp - 3 pin metal clad socket with plug controlled by a 25 Amp SP MCB (for Ac wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 6.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for casstte AC units) from AC DB to Stablizer	**Nos**	**3.00**		
(c)	Supply and fixing 20A 3-pin modular socket with 20A one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall includding Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) -(from Stabilzer to IDU)Supply (2 Nos for ATM).	**Nos**	**2.00**		
(d)	Supply and fixing 20A - 3 pin metal clad socket with plug controlled by a 20A SP MCB (for Ac wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) from AC DB to Stablizer (2 Nos for ATM)	**Nos**	**2.00**		
2	**LAYING OF CABLE :**				
2.1	Supply laying fixing main power with 50mm sq 3.5 core PVC insulated,PVC sheated Alu.Conductor, 1100 v. grade armoured cable complete with 02 nos 8 SWG bear GI.wire as running	**Mts.**	**20**		
2.2	End termination of 50mmsq 3.5 Core armoured cable,complete with brass cable gland , Alu. Lug, PVC tape.	**Nos**	**4**		
2.3	- Do - 3.5 x 16 sqmm with 02 nos 8 SWG bear GI.wire as running earth. for Light D.B	**Mts**	**15**		
2.4	- Do - 3.5 x 25 sqmmth with 02 nos 8 SWG bear GI.wire as running earth. for POWER & A.C D.B , UPS & ATM	**Mts**	**15**		
2.5	- Do - termination of 25 & 16 Sqmm 3.5 Core	**Nos**	**10**		
3	**Out door type glow sign board wiring :-**				
3.1	Supply laying of main line with 2x2.5 +1x1.5 mmsq through MS conduite from main panal to glow sign board.	**Mts**	**20**		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
3.2	Supply installation of 16 amps DP MCB at main entrance Glow sign board & With Electronic timer as required.	**Set**	**1**		
4	**EARTHING STATION :**				
(i)	Earthing installation as per I.E. rule conforming				
	to **IS 3043-1987** or its latest amendent by making earth station with **600x600x3mm**(mini-mun) thick copper plate electrode to be installed such that is top edge shall be at a minimum depth of 3.3mts below ground level after preparation of ground with charcoal, sand ,& salt, connecting the **25x3mm** thick copper lead in strip (upto 10 mts length) by bolting and brazing to the copper plate complete with Brass bolt of suitable length double nuts & washer including supply & fixing of 50mm dia 3.3Mts long partly perforated C.I. Pipe with funnel for				
	N.B :- **The Copper plate to be buried under 3.3Mts depth from ground level, including C.I. Pit 300x300mm with necessary brick wall (For UPS earthing).**	**Set**	**2**		
(ii)	Supply laying 2x8SWG copper bear wire from earth spike to main panal.(Electrolite wire)	**Mts**	**25**		
5	**MAIN ELECTRICAL DISTRIBUTION**				
	Main Panel (wall Mounted Type)				
	Supply, fabricating,assembling,internal- connection, testing & connceting with incomming, out going power cables & lines as required to complete the job of cubical type electrical panal made from 14SWG CRC. M.S. sheet with proper earthing terminal(Nut- bolt &washer) 02 No.outside of panal, same nut-bolt to tighten with internal earth busbar of panal situated inside loose wire box(on top portion of panel) On top side of panel cable entry arragement to be done for incomming & out going of lines. Painting powder coating electrical grey/ seimensgrey to be done.one 6"x4" enamal type 440Volt Danger board to fix up on main panal bus-bar cover, components are as follows :-All switches are front handle operated & all MCB knob should be visual, all component to provide in separate compartment only DBs in one compartment.				
	Incomer - 100A 4P MCCB 25Ka with adjustable thermal & Magnetic trip unit -1 Nos				
	OUTGOINGS -				
	63 Amps 4 pole MCB. = 04 Nos.(AC & Power DB,ATM ,UPS,spare) 40 Amp 4 Pole MCB :2 nos (Lighting DB,Spare) 25 Amps DP MCB = 02 Nos.(sign board , Fire Alarm) Amps Meter 0-100 Amps with 3 Nos. CT & selector switch 96x96mm 01 Set (Changeover should be ON-LOAD type.)				
	100Amps 4pole Cu. Bus Bar. 01 Set. 100Amps 4 pole Change over switch. 01 No. 100 Amps FP MCCB 25KA as Gen - Set main incoming 01 NO.				
	Volt meter 0-500volt A.C. 50 Hz.96x96mm with selector switch. AE make.n 01 Set				
	20mmdia LED indicator lamp 06 Nos.				

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	02 Amps Sliding Fuse. 06 Set.				
	150x100mm enamal **Danger** board 440 volt.				
	(to set on bus bar cover). 01 No.				
5.1	Cable entry from top & bottom - removable gland plates (bottom at 2 points) c/w powder coated Grey paint (two coats) with name labels for all incoming & outgoing feeders. The panel shall be complete in all respects including all accessories such as earthing bus, Air ventilators, lifting hooks etc.	**Set**	**1**		
	POWER DB & AC DB. Make standard/Legrand/ABB				
	6 way TPN MCB DB with				
	63 TP&N MCB as main				
	16Amps SP MCB - 9 Nos+32AMPS SP X9 NOS.				
5.2	including Neutral Bar. 01 Set	**Set**	**1**		
	LIGHTING DB Make standard/Legrand/ABB				
	6 way TPN MCB DB with				
	63A TP&N MCB as main				
	16 Amps SP MCB - 03 Nos.+				
	10 Amps SP MCB - 09 Nos.				
5.3	Including Neutral Bar. 01 Set	**Set**	**1**		
6	**UPS SYSTEM (Branch)**				
6.1	**UPS Main DB** Supply, erection, testing and commissioning of three phase 4 WAY, TPN MCB DB double door type with "C" Curve MCBs, IP 42 powder coated for UPS with 63A 4P MCBs – 1No as INCOMER 32A TP MCBs – 4 Nos. as OUTGOING Including all interconnections & accessories etc MAke standard/Legrand/ABB	**Nos**	**1**		
6.2	**UPS DB-1 & 2**				
	12 Way SPN MCB DB with 'C" curve MCBs. **Incoming :** 2 No. 40A DP MCB **Outgoing : 4** Nos 6/10A SPO MCBs Make standard/Legrand/ABB	**Nos**	**1**		
	Supply and installation of modular type 3 nos 6A multi pin sockets with 2 nos 6A one way switch with indicator housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer including making connections complete the rate inclusive of Supplying and running of 3 runs of 2.5 sq.mm UPS DB's to individual powerstation through .(looping 2 sets of 3X6 A socket outlet in one circuit / or as per SLD the following size of 660 volts grade, Finolex brand PVC insulated wire (For UPS point only).(For B.M. , Server & C.C.) & ATM 1 No. from separate ATM UPS.	**Nos**	**12.00**		
	SUB TOTLA I				
7	**ELECTRICAL FITTINGS (S/I/T/C**				
7.1	2' X2' PLUTO NEO PANEL 4000K, CAT NO. LHEWEJP6PL 1W034, **PHILIPS/WIPRO MAKE (ATM 2 No)**	**Nos.**	**21**		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
7.2	DOWNLIGHTER - INTEGRA 15W, 3000K, LHEBGTP5Z1W015, **PHILIPS/WIPRO MAKE (ATM 2NOS)**	**Nos.**	**36**		
7.3	TUBELIGHT - TITANIA SLEEK NEW T5 LED TUBELIGHT 18W, LHLDCNVENL8Z018, **PHILIPS/WIPRO MAKE. ATM 1 No**	**Nos**	**6**		
7.4	HANGING LIGHT - LHECDOL5PW1W040 (40WATTS), **PHILIPS/WIPRO MAKE**	**NOS.**	**0**		
7.5	225 mm dia Heavy Duty Exhust fan 230 voltA.C.**(Havells / Crompton make).(UPS & Toilet)**	**Nos**	**3**		
7.6	Wall mountaing fan 400 mm dia 230 volt A.C. **PHILIPS/WIPRO MAKE**	**Nos.**	**8**		
7.7	36" CEILING FAN WHITE COLOUR(ORIENT/KHAITAN).(UPS,Strong room & Store room)	**Nos.**	**1**		
	SUB TOTAL II				
8.0	**TELEPHONE SYSTEM**				
8.1	Wiring for telephone points with 2 pair 4/5 pair .51mm dia ATC (annealed tinned Cu wire) with PVC insulated PVC sheathed telephone cable from tag block to the point including providing ferrules at both ends and termination at both ends including providing & fixing RJ 11 outlet, faceplate and mounting box complete of modular type 9 where 2 such points are shown, 2 such wires shall be provided) This work includes providing PVC conduits in chases from the raceway to the point. (1 each for branch manager, C.C. P. officer & Clerck).	**Nos.**	**6**		
8.2	Supplying, laying effecting terminations, testing and commisioning of 0.51mm dia Cu. Conductor, twisted, colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit includinig providing & fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
8.3	1 X 10 pair armoured cable from telephone connection in the premises to the crone box.	**rmt**	**60**		
8.4	Supplying & fixing 20 pair krone tag block with enclosure.	**Nos.**	**1**		
9.0	**DATA SYSTEM - CONDUITING & CABLING**				
9.1	providing and laying UTP Cat 6 data cable for nodes through 25mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from main Hub to building tag block(BSNL) & Branch to ATM	**rmt**	**350**		
9.2	Wiring for computer networking from I/O hub to computer workstation with UTP Cat-6 computer cable including providing ferrules at both ends and termination at both ends including providing & fixing frame for with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes providing PVC conduits (1/2", 3/4" size or as required0 in chases from the I/O hub to the point. The cost includes testing, commisioning etc complete. Note : Do not run more than 3 wire in single pipe & should be concealed. (2Nos of ATM)	**Nos.**	**12**		
9.3	Supply of Cat - 6 D-Link patch cord 7' 0" (ATM 1No)	**Nos.**	**12**		
9.4	Supply of Cat - 6 D-Link patch cord 3' 0"(ATM 1No)	**Nos.**	**12**		
9.5	Supply & fixing 24 Port Jack Panel Make:-D-Link	**Nos.**	**1**		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
9.6	19" Rack 9U with Glass Door , Locking system Make: APW	Nos.	1		
9.7	24PORT 10/100Mbps Switch	Nos.	1		
	SUB TOTAL III				
	AC WORK				
10	Air cooled Hi Wall Split AC Units Comprising Of:				
	Supply , installation & commisioning of aircooled split AC complete with indoor & outdoor . **copper coil for IDU & ODU Only**				
	unit with cordless remote control as required(Copper Coil for IDU & ODU)				
(I)	3-Star rated Hi-wall spilt airconditioner of 2.0 TR Capacity **(Make - Blue Star,Hitachi , Voltas).**	NO	3		
(II)	3-Star rated Hi-wall spilt airconditioner of 1.5 TR Capacity **(Make - Blue Star,Hitachi , Voltas).**	NO	2		
(III)	3-Star rated Hi-wall spilt airconditioner of 1.0 TR Capacity **(Make - Blue Star,Hitachi , Voltas).**	NO	0		
	Note :- Rate including copper pipe free 5 rmt with 12mm thick insulation & 25 HDPE condenstate pipe with insulation . Size of the Copper pipe & Gauge as per the Manufacturer standared for 1,tr,1.5 tr, & 2 Tr.				
11	**Supply installation testing & comisioning of**				
	Voltage Stabilizer of approved make				
	5KVA for 2.0Tr Hi-wall Split/Cassette type	NO	3		
	4 KVA for 1.5/1.0 Tr Hi-Wall Split	NO	2		
	Note: All voltage stabilizer is sufficient for				
	A.C.should have time delay facility.				
12	**Additional Copper Refrigerant Piping :**				
	Installation & commissioning of Soft copper piping with 12 mm thick niotrle rubber insulation	RMT	75		
	complete fiting & insulation				
13	**Drain Piping**				
	Hard PVC insulated drain water piping wprk of size 25 mm with 12 mm thicjk nitilr rubmmer insulation.	RMT	75		
	dia with complete fiting Etc.				
14	**Frame Work**				
	Providing and fixing standard powder coated support brackets & including grille gauge of 20mm square at 100mm c/c spacing with locking arrangemnet for the above split / cassette units including fasteners and other accessories as required.	NO	5		
	SUB TOTAL IV				
	TOTAL FOR ELECTRICAL WORK(B)				
	TOTAL FOR FURNISHING AND ELECTRICAL WORK				
	* GST EXTRA AS APPLICABLE				