

**SUMMARY OF BOQ FOR COMPOSITE WORKS FOR INDIAN BANK AT KHEMPUR,
MORADABAD**

A	SCHEDULE - 'A' (INTERIOR FURNISHING WORK)	
1	INTERIOR FURNISHING WORK	
A	Doors	
B	Partitions	
C	Counters	
D	Paneling	
E	False Ceiling	
F	Electrical Wiring	
G	Ups Wiring	
H	LAN/Data	
	TOTAL FOR FURNISHING WORK	
	* GST TAX EXCLUDING AS APPLICABLE	

BOQ FOR FURNISHING WORKS FOR INDIAN BANK AT KHEMPUR, MORADABAD

S.NO.	DESCRIPTION OF ITEM	QTY	UOM	RATE (Rs.) (Excl. GST)	AMOUNT (Rs.) (Excl. GST)
1.0	DOORS				
1.1	ENTRANCE DOORS - WITH ALUMINIUM FRAME	55.00	Sq. Ft.		
	Providing and fixing of Aluminum door with blue powder coated Aluminum sections of size 3.25"X 1.75" for door opening size of 2 x 2'-6" x 7'-0" in double panes (Branch entrance) & 1 x 2'-9" x 6'-6" (ATM Entrance) in single pane or as per drawing. Item shall include providing & fixing in position 6mm thk clear glass on door panes with bank's logo & frosting film of aproved make with approved artwork. Film shall be of approved make, self-adhesive with bubblefree installation. Item shall also include all the required hardware & fittings of approved makes such as heavy duty floor spring, D type matt finish SS handles of size 1'-3" of both sides of the door, 3 round dead lock arrangement, tower bolts of matching colour, self-adhesive pushpull indication stickers on both sides etc complete.				
	TOTAL FOR DOORS				
2.0	PARTITIONS WORK				
2.1	FULLY GLAZED ALUMINIUM PARTITION				
	Providing & fixing Aluminium powder coated blue coloured frame of sections 1.75" X 1.75" of 16 gauge (1.6mm) or higher thickness and 6 mm thk clear fixed glass. Item shall include all fixtures & fittings like neoprin rubber beading, springs etc complete. Item shall also include supply and installation of frosting film of aproved make with approved artwork. Film shall be of approved make, self-adhesive with bubblefree installation to be done on clean glass.	75.00	Sq.Ft.		
	In case a ceiling type formation is to be prepared for enclosing the entrance vestibule of the branch / ATM from top due to avoid site nuisance of dust, pests etc where false ceiling is not carried out, the top of the partition vestibule shall be fabricated with aluminium frame as above and finished with approved make pre-laminated board panels of blue colour on the visible surface. Note - The additional ceiling partition item (if carried out) shall be measured on plan area and shall be added to the partition item quantity.				
2.2	PLYWOOD/WOODEN PARTITION WITH ALUMINIUM SECTION				
	Frame Work: Providing and fixing in position Full Height partition in framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50mm X 50mm heavy duty Aluminium Sections (1.5 mm) with 12 mm thick ply on both sides finished with 1 mm thick laminate as mentioned below.				
	Note: a) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of partition, average height shall be considered. c) Openings/ door/ glass shall not be measured for payment and shall to measured and paid under seprate relevant item.				
	Laminate: 1.0 mm thick frosty/off white/orange laminate (shade and design as per Bank's Scheme) pasted over 12mm ply with approved adhesive. Laminates shall be combination of 2 colours - White,and orange to be approved from the bank prior to application. Partition shall have 100mm high skirting above finished floor level and a 100mm high top band below the soffit/ceiling/visible top of the partition in Bank's orange shade. Partition shall have 100 mm thick skirting in approved bank's orange shade at 2'-6" above from the finished floor level. Remaining Area to be covered with frosty/off White laminate.				
	The necessary openings and provisions in the frame work for Electrical Conduits, modular electrical boxes, AC Grills & pipes, AC Ducts / louvers, doors / glazing etc. should be provided as per site requirements while keeping the structural integrity and strength of the framing intact. The Alu. frame members shall be fixed rigidly to the floor, columns, RCC Ceiling and beams				
2.2.1	SINGLE SKIN PARTITION ABOVE CEILING	50.00	Sq. Ft.		
	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 9mm thick ply board wood lined on only one side and lining with 1mm thk laminate of approved shade and amke along with grooves.				

2.2.2	SOLID PARTITION (FULL HEIGHT)- BOTH SIDE LAMINATE	165.00	Sq. Ft.		
	Proving and fixing both side laminated solid partition using framing, ply and laminate as per details mentioned in Sr. No.3.3 All exposed edges of partition shall be fixed with Steam beechwood lipping of appropriate thickness enough to cover the entire exposed edges and frame opening for doors chowkhat (75mmx75mm thick sections or as per site) with 2 coats of melamine/PU polish. The rate quoted must be inclusive of the 32-35mm thick door (Size - 7'-0"x3'-0") made with approved plywood / board of approved make with 1.0 mm thick approved laminate pasted over plywood along with skirting and top band on both sides of the door as per bank's colour scheme. The rate quoted must also include installing / affixing all necessary fittings like 4 Nos. SS Butt Hinges (100mmx5.5mm size), screws, Hydraulic Door Closer, Mortise Lock Assembly, SS Handles on both sides & Brass Door Stopper etc as per approved makes. The exposed edges of the door must be finished with Steam beechwood lipping with 2 coats of melamine/PU polish.				
2.2.3	SOLID PARTITION (FULL HEIGHT)- CEMENT FIBRE BOARD FOR UPS ROOM AND ELECTRIC PANEL	100.00	Sq. Ft.		
	Proving and fixing both side solid partition using framing and laminate as per details mentioned in Sr. No.3.3 The inner side of the partition shall be made out of 10mm thick cement fiber board and finished with required putty to make it even surface finished with 2 coats of ivory white enamel paint on the internal side (not visible from the customer lobby). Other side the partition towards customer having 12mm thk Ply shall be finished with 1mm thick laminate of approved shade and scheme on the customer side (visible to customers) .The rate quoted must be inclusive of the providing one panel door for UPS room (Size - 7'-0" x 2'-9") & 2 panes door (Size-7'-0" x 2'-0" for electrical panel) or door sizes as per site requirements in combination of 10mm thk cement fibre board and 19mm thick approved block board pasted / screwed together to form a single entity and finished as per matching scheme. The block board shall be on the outer side and shall be pasted with 1.0 mm thick laminate along with matching skirting & top bands as per bank's scheme and the cement fiber side of the door shall be on the inside with 2 coats ivory white enamel paint over a coat of primer. Exposed edge of door thickness shall be finished with Steam beechwood lipping & melamine/PU polish.				
	Item shall include installing / affixing 12" X 6" aluminium louvers at the horizontal centre of the door panes at suitable height along with all other necessary hardwares & fittings such as 4 Nos. SS Butt Hinges (100mmx5.5mm size), screws, mortice lock / brass tower bolt, SS Handles on both sides, magnetic ball catchers etc of approved makes. Note - For the purpose of contractor's payment in case of Electrical panel cabinet, only front elevation area shall be measured. BUT the partition shall be erected till soffit of the actual ceiling along with the board concealing the entire area and not just till the false ceiling.				
2.2.4	PARTLY GLAZED PARTITION (FULL HEIGHT)				
A	Cash Cabin Partition (Height 7'-6")	65.00	Sq. Ft.		
	Proving and fixing both side laminated Solid partition for cash cabin using framing, Ply and laminate as per details mentioned in Sr. No.2.2 The partition shall be solid till 3'-0" height and thereafter an opening of 3'-6" Height & 3'-0" width (or of appropriate size as per site requirement) for Aluminium Decorative Grill (12mm thick having hexagonal openings) which shall be provided with double side 2 coat melamine/PU polished Steam beechwood beading. Rest of the height shall be solid partition till the height of 7'-6" from the finished floor. All exposed edges of Ply shall be fixed with Steam beechwood lipping of appropriate thickness (75mmx75mm thick sections or as per site) enough to cover the entire exposed edges and frame opening for aluminium grill / doors chowkhat / windows etc.) with 2 coat melamine/PU polish.				

	The rate quoted must be inclusive of the 32-35mm thick door (Size - 7'-0"x3'-0") made with commercial plywood / board of approved make with 1.0 mm thick laminate pasted over plywood along with skirting and top band on both sides of the door as per bank's colour scheme along with making 10mm thk glass opening of size 18"(W) X 48"(H) positioned at the horizontal centre & 5'-0" height for visibility with proper Steam beechwood framing and polishing. The exposed edges of the door must be finished with Steam beechwood lipping with 2 coats of melamine/PU polish. Item shall also include supply and installation of frosting film of aproved make with approved artwork. Film shall be self-adhesive with bubblefree installation to be done on clean glass.				
	A 2" deep slip tray made of 12mm Ply covered with 1.0 mm thick white matt laminate with edges finished with Steam beechwood beading and 2 coats of melamine/PU polish to be affixed at a height of 4'0" from the finished floor on the side partition adjacent to the passing Officer's counter at an appropriate slot to ensure convenient usage by both staff members. The slip tray must be 6" wide 10" long and must be positioned such that it must be emanating 4" on either side of the partition. The front edges of the partitions i.e., the edges visible to the customers, shall be finished with 1.0mm thick laminate of bank's approved shade. The rate quoted must also include installing / affixing all necessary fittings like 4 Nos. SS Butt Hinges (100mmx5.5mm size), screws, Hydraulic Door Closer, Night latch, SS Handles on both sides & Brass Door Stopper etc as per approved makes.				
2.3	Low Height Partition (Height 4'-0") - Between working Counters, cubicles & support for Flap door)	125.00	Sq. Ft.		
	Providing and fixing both side laminated solid partition using framing, Ply and laminate as per details mentioned in Sr. No.3.3 The partition shall be solid till 3'-0" then glazing with 10 mm thick toughened glass of 1'-0" Height & supported on 4" wide solid partition pillars on both sides of the glass. The exposed edges of the glass shall be bevelled, grinded and machine finished to render smooth edges. The glass in the partitions shall be fixed with beading / moulding on both sides. All exposed edges of partition shall be fixed with Steam beechwood lipping of appropriate thickness (75mmx75mm thick sections or as per site) enough to cover the entire exposed edges and frame opening for fixed glazing / doors / windows) with 2 coat melamine/PU polish. Item shall also include supply and installation of frosting film of aproved make with approved artwork. Film shall be self-adhesive with bubblefree installation to be done on clean glass.				
2.4	Flap Door (4'0" High)	15.00	Sq. Ft.		
	Providing and fixing of flap door using 19mm thick block board of approved make laminated on both sides with 1mm thick laminate of approved shade as mentioned above. The exposed edges of the board shall be finished with Steam beechwood beading of appropriate thickness (enough to cover the entire exposed edges). The rate quoted must also include a vertical brass tower bolt assembly, 2 Nos. SS Butt Hinges (100mmx5.5mm size), screws & magnetic ball catchers etc of approved makes. There shall be 100mm high skirting above finished floor level of the door in Bank's orange shade. Partition shall have 150 mm thick skirting in approved bank's orange shade at 2'-6" above from the finished floor level.so as to match the surrounding scheme.				
	TOTAL FOR PARTITIONS				
3.0	COUNTERS & TABLES with 1½" thick post-form factory made Tops				
	Providing & Fixing Box type Tables and counters of size mentioned below as per branch drawing and layout. The tables / counters are made out of 19mm thick approved ply / block board frame work for verticals, apron, sides, drawer unit with shelves, shutters, customer top, foot rest. The sides, sliding shutters, front apron of drawer unit shall be made out of 12.0mm thick approved ply while backs & bottom of drawer unit shall be made with 9mm thick approved ply. The drawer unit of 450mm width x 750mm height x 500mm depth or size approved by the bank shall be placed on a suitable side of the table / counter as per layout. The drawer unit shall consisting of 3 nos. drawers of equal height to cover the entire height of the unit & each must be 450mm deep OR of size & number as approved by the bank. Each drawer shall have SS handles with multipurpose concealed lock. The drawers shall be fixed with telescopic SS sliding channels of approved make with easy push-pull mechanism.				

	A uniform 100mm high skirting shall be provided at the visible bottom of the side unit with 1.0mm thick laminate of bank's approved shade. A fixed footrest made with T.W. member of size 4"x1.5" finished with french polish shall also be provided at the bottom of the inside of the tables / counters at a comfortable height. The working top of All counters / tables shall be provided with 10mm thick clear glass on top with edges bevelled and machine finished to render smooth edges. Grooves / openings for cable managers shall also be provisioned in the table and glass along with supply & fixing of cable manager. The shape of the top glass shall be prepared / cut in such a manner that the entire surface of the working top of the table / counters should be covered by the top glass.				
	All the open surfaces of the tables / counters / drawer units shall be completely covered with 1mm thick laminates. The front apron and visible side apron(s) of the counters / tables shall be provided with 100mm top band of & 100mm skirting of 1.0mm thk laminate of bank's approved shade. The remaining area shall be provided with 1.0mm thick white laminate. The counter / table top shall be provided with 1.0mm thick laminate of off White Shade. The other exposed edges shall be finished with Steam beechwood lipping & 2 coats of melamine/PU polish. All inner surfaces shall be finished with approved 0.8 mm thick laminate of ivory / white shade of approved make.				
	All table / counters shall be provided with sliding key board unit of size 12"x20" made of 19mm thick approved board finished with 1.0mm thick white laminate and mounted with telescopic channels of approved make on the sides made out from 12mm thk approved board with 1.0mm thick white laminate. All exposed edges to be finished with Steam beechwood beadings of appropriate size and 2 coats of melamine/PU polish along with all other finishes / hardware / fittings etc required to complete the job.				
	For CASH COUNTER- Same as above but the cash counter shall have two working tops viz. one working top at height of 2'-6" for staff & other, the customer top, at height of 4'-6" for customer use. The customer top shall be 450mm wide of length as mentioned below and shall be fabricated such that it is projected 150mm outwards i.e. towards the customer. The rate quoted must include full front portion and customer top of mentioned height and style made out of 19mm approved ply and 1.0mm thick laminate of design as approved by the Bank, along with 10-12mm plain toughened front glass which should be 3'-0" high over and above the customer top and of required length as mentioned below. A support partition shall also be provided on top of the glass till a height of 7'-6" from the finished floor. The partition over the glass shall be made out of 19mm thk approved board finished with 1.0mm thick laminate of bank's approved shade. The front glass shall be fixed rigidly over the customer top with Steam beechwood beadings on both sides finished with 2 coats of melamine/PU polish. Two openings / slits shall be provided in the front glass - one opening of 300mmx150mm on the horizontal centre at the bottom of the glass and another 3" wide horizontal slit at the vertical centre of the front glass for convenient cash and voice transaction. The glass edges shall be bevelled on all exposed edges on both faces to ensure safe & smooth edges.				
3A	Staff Counters (Width of working top: 2'6"; Height: 2'6")	10.00	R. Ft.		
3B	Cash Counters (Width of working top: 3'0" & width of customer top: 1'6"; Heights as per description above)	5.00	R. Ft.		
	Total for Counters				
4.0	PANELING				
4.1	WALL / COLUMN PANELING (Full Ht. - till soffit of false ceiling) (IN Walls in Manager Cabin / Walls in Cash cabin / Independent pillars in branch hall / Side wall adjacent to Officer Table ONLY)	20.00	Sq. Ft.		

	<p>Providing and fixing in position wall panelling in 600 X 600 mm grid (horizontally and vertically) comprising of 25 mm X 50 mm heavy duty Aluminium frame Sections (1.5 mm) with 9 mm thick ply finished with 1 mm thick laminate finish of approved shade and make. The soffits of the doors / windows shall also be covered with paneling as well. Item shall include 100mm high skirting above finished floor level and a 100mm high top band below the soffit/ceiling/visible top of the partition in Bank's orange shade and 150 mm thick skirting in approved bank's orange shade at 2'-6" above from the finished floor level. Remaining area shall be finished with 1.0mm thk white laminate of approved make.</p> <p>Note - No paneling shall be provided behind the storage / cabinets / tables sides or any other surface which is not visible (no payment for same shall be entertained by the bank). Entire paneling shall be provided only on visible surfaces as per approved layout or as directed by the Bank. Also, no paneling shall be provided on the columns embedded in walls. The paneling should be provided on independent pillars in the branch hall only that too till soffit of false ceiling.</p>				
	Note:- In case of wall not being true to plumb extra shims of aluminium section shall be provided. Nothing extra shall be payable in this regard.				
	<p>Note:</p> <p>a) In case of false ceiling, area of panelling payable will be below the false ceiling only.</p> <p>b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of panelling, average height shall be considered.</p> <p>c) Openings/ door/ glass shall not be measured for payment.</p>				
4.2	ACP WALL PANELLING (For outside front walls and outer pillars only)	60.00	Sq. Ft.		
	<p>Providing & fixing in position ACP (Aluminium Composite Panel) wall panelling having minimum ACP thickness of 3mm and minimum foil thickness of 0.25 mm on both sides with Aluminium framing tube sections of min 1.5" X 1" (20 gauge or down) @ 2'-0" C/C both ways. Panels shall be neatly fixed to the frame with 3M or equivalent adhesive and joints shall be finished with silicon based sealant. ACP shall be of approved make and in Ivory & bank's approved shade as per bank's approval. Item shall include providing & fixing additional sections as required for fixing Indoor AC units, proper access panel for power point, proper locking arrangement for plug point by providing additional framing etc complete.</p> <p>Note - For the purpose of payment, the measurements shall be taken up to the visible height / false ceiling level only.</p>				
	TOTAL FOR PANELING				
5.0	FALSE CEILING (Branch)				
5.1	FALSE CEILING - GYP BOARD	560.00	Sq. Ft.		
	<p>Providing and fixing ½" thk. Gypsum India board false ceiling at levels as shown in the drg. From FFL. Rate shall be inclusive of all Gypsum India components contained G.I. perimeter channels of size 0.55 thick having one flange of 20mm and another flange of 30mm and a web of 27mm alongwith perimeter of ceiling, screw fixed to brickwall/partition with the help of nylon sleeves and screws, at 610mm centres. The suspending G.I.intermediate channels of size 45mm, 0.9mm thick with two flanges of 15mm each from the soffit at 1220mm centres with ceiling angle of width 25mm x 10mm x 0.55 thick fixed to soffit with G.I. cleat and steel expansion fastners at every 610mm c/c. Ceiling sections of 0.55mm thickness having knurled web of 51.5mm and two flanges of 29mm each with lips of 10.5mm are then fixed to intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm centres. 12.5mm tapered edge Gypboard is then screw fixed to ceiling section with 25mm drywall screws driver or drilling machine with suitable attachment.</p>				
	<p>The boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edge of the boards with jointing compound & joint paper tape. Rate shall be inclusive of Cut outs for A/c machiness, spot lights, light fixtures, A/C. Grills, fire and security systems cut outs, All Sections should adhere to the manufacturers guidelines. Vertical sides visible will be measured.</p>				
5.2	MODULAR FALSE CEILING - FINE FISSURED MICROLOOK WITH SILHOUETTE GRID(BLACK REVEAL)	560.00	Sq. Ft.		

	<p>Providing and fixing false ceiling system manufactured by M/s. Armstrong World Industries using hollow 25mmx50mm Aluminium Tube section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36 mm 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 600mmx 600mmx 15mm 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).</p>				
	TOTAL FOR FALSE CEILING				
	GRAND TOTAL (Rs.)				

BOQ INTERIOR WORKS FOR INDIAN BANK AT KHEMPUR, MORADABAD

BOQ INTERIOR WORKS FOR INDIAN BANK AT KHEMPUR, MORADABAD					
A	SCHEDULE - 'A' (ELECTRICAL WORK)				
SL No	PARTICULARS	UNIT	QTY	RATE	AMOUNT
1	ELECTRICAL WIRING & EARTHING				
1.1	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 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 draw from power DB.as per DBschedule /SLD				
a)	1 light by 1 switch (ATM 1 No)	Nos.	40		
b)	2 light by 1 switch (for Branch 12 & ATM 2)	Nos.	15		
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	4.00		
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	6.00		
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	4.00		
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.	4.00		

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 :-				
(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 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 cassette unit AC units) -(from Stabilizer to	Nos	0.00		
(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	0.00		
(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 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 Stabilizer to IDU)Supply (2	Nos	4.00		
(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	Nos	4.00		
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 earth .(Meter panel to Main Panel & Dgset to Main Panel)	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	10		
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	12		
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	15		
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				
	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	20		
	TOTAL FOR ELECTRICLA WIRING				
5	UPS SYSTEM (Branch)				
5.1	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		
5.2	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	2		
5.3	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	9.00		
	TOTAL FOR UPS WIRING AND POINTS				
	TOTAL FOR ELECTRICAL WORK (B)				
	* GST EXTRA AS APPLICABLE				

BOQ LAN AND TELEPHONE WORKS FOR INDIAN BANK AT KHEMPUR, MORADABAD

B SCHEDULE - 'B' (LAN & TELEPHONE WORK)					
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.0	TELEPHONE SYSTEM				
1.1	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.	1		
1.2	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 including providing & fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
1.3	1 X 10 pair armoured cable from telephone connection in the premises to the crone box.	rmt	15		
1.4	Supplying & fixing 20 pair krone tag block with enclosure.	Nos.	1		
2.0	DATA SYSTEM - CONDUITING & CABLING				
2.1	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	150		
2.2	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.	9		
2.3	Supply of Cat - 6 D-Link patch cord 7' 0" (ATM 1No)	Nos.	9		
2.4	Supply of Cat - 6 D-Link patch cord 3' 0" (ATM 1No)	Nos.	9		
2.5	Supply & fixing 24 Port Jack Panel Make:-D-Link	Nos.	1		
2.6	19" Rack 9U with Glass Door , Locking system Make: APW	Nos.	1		
2.7	24PORT 10/100Mbps Switch	Nos.	1		
	GRAND TOTAL FOR LAN & TELEPHONE (D)				
	* GST EXTRA AS APPLICABLE				