

Indian Bank, Zonal Office Patna, invites competitive sealed tenders in the prescribed format on item rate basis system from the empanelled contractors of Indian Bank and Erstwhile Allahabad Bank for Interior Work at Khajpura Branch (Metro) at Jagdeo Path, Patna, Bihar, 800001.

Summary of tender is as under:

1	Name of work	Furnishing, Electrical & Data Cabling at Khajpura Branch, Jagdeo Path Patna Patna
2	Estimated Cost	Rs.10,37,003.00 + GST
3	Publication of Tender	17.10.2022
4	Last day of Submission of Tender	25.10.2022 up to 03:00 pm
5	Opening of Tender	25.10.2022 at 3:30 pm
6	Date of commencement	7 days from date of issue of letter awarding the Job
7	Time of completion of Job	Maximum 30 calendar days from the date of issue of work order
8	Defect Liability Period	12 months from virtual completion of work as certified by the Architect, provided to satisfaction of Bank
9	Liquidated damage of Delay	If the work is not completed within the stipulated period of time an amount of Rs.1500/- to be deducted from each day of delay
10	Payment Terms	No Advance will be paid. Payment will be made on satisfactory completion of the job on the basis of actual measurement. Income tax will be deducted as per rules. Retention money 10% will be deducted from the bill and to be released after 12 months from the date of virtual completion provided no defects is observed during this period.
12	Retention Money	10%

The duly filled in offer completed in all respect and superscribing "Interior Work at Khajpura Branch" on top and name, address & contact no. of the vendor at bottom left corner should be addressed to

The Zonal Manager
Indian Bank Zonal Office,
Budh Marg Patna, 800001

The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tender without assigning any reason whatsoever. Late / delayed tender shall not be accepted after due date and time of submission of tender.

Date: 17.10.2022
Place: Patna

(Zonal Manager)



**BILL OF QUANTITY OF INTERIOR DESIGN AND FURNITURE WORKS FOR INDIAN BANK , AT
KHAJPURA BRANCH PATNA**

Sl. No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Note-I: Anti-termite with Chloropyrphos of approved band and make to be done on all wooden surfaces.				
	Note-II: Wherever painting items are mentioned, these always include the base coats of primer required and a minimum of 2 coats of the Final paint. Anti-termite with Chloropyrphos of approved brand and make to be done on all wooden surfaces.				
1	(FULL HEIGHT PARTITION ,UPS &STATIONARY) :- Providing and fixing full height double skin all partitions shall be Calcium Silicate Board /FRC with painted finish. Aluminum section shall be used Preferably 66mmx37 mm size 1.5 mm thick as internal frame . 66 mm thick metal stud partition comprising of a composite framework which includes a 48 mm branded stud of 0.55 mm thick and having two unequal flanges of 48 and 50 mm each placed at 610 mm center to center in 50 mm floor and ceiling branded channel with two equal flanges of 32 mm each fixed to floor and ceiling at 600 mm centre, with the help of nylon sleeves and wood screws or Anchor Fastner. Calcium Silicate Board boards of 12 mm thick square/tapered edge on both sides are then screwed to the studs and channels at 200 mm centres on both sides of the frame work, with 25mm long self drilling and tapping hilux screws having Phillips head with under cutter, for the first and second side boards respectively. The Board's joints are to be staggered to avoid through passage. and with one coats of putty, two coats of approved primer, and three coats of approved lustre paint (The Necessary door openings and switch box cutting to be provided before Jointing and Finishing as per instructions. Door Opening measurements will be deducted; switch box area will not be deducted) Edges of the facing boards are to be jointed and finished so as to have a seamless finish which includes filling and finishing with specially formulated Jointing Compound and 48 mm wide self-adhesive fibre tape. Cement primer(Oil/Water based)to be provided on the entire surface before putty/painting				
	Laminates shall have a number of horizontal / vertical grooves and the ply under such grooves shall be painted with approved colours.				
	All items necessary for completing the above mentioned work are deemed to be included in the scope of work, whether or not they are specifically mentioned in the B.O.Q / tender documents / drawings.as per design and instructions by Architect /Bank.				
2	(FULL HEIGHT & SEMI GLAZED PARTITION) Providing and fixing fullheight double skin partitions in cabins etc. with frames of 2" x 2" (finished size) seasoned hardwood members (hollock / malaysian sal) at max.partition with frames of 50mm x38mm (finished size) GI frame work Steel section /Aluminium section /50mmx38mm (finished size) intervals of 2'-0" x 2'-0" c/c with provision of bigger members at skirting, fixing to door frames, etc, all wood work to be treated with 1st quality anti-termite paint, and covered with 6 mm thick Plywood of approved make covered with various finishing layers as per design and details including 1 mm thick laminate. (All visible wood to be of 1st quality "ghambhar") and shall be painted with Premium 1st quality paint / polished as per instructions of Bank. Laminates shall have a number of horizontal / vertical grooves and the ply under such grooves shall be painted with approved colours. Opening for communication / conversation shall be provided as required as per detailed design and nothing extra shall be paid / deduction for the same.All doors including sliding doors / openable doors, with all fittings including ISI Marked Floor Springs. Bolts,Hinges etc., shall be included in the same price. Doors shall be of heavy sections matching the partition, and shall have 8.0 mm thick etched glass as per design. All items necessary for completing the above mentioned work are deemed to be included in the scope of work, whether or not they are specifically mentioned in the B.O.Q / tender documents / drawings.as per design and instructions by Architect /Engineer	S.Ft.	272.00		
		S.Ft.	205.00		



3	(HALF HEIGHT PARTITIONS-FULLY PANELLED) (4'6" ht) The partition between the level 3'-0" to 4'6" have 12 mm thk Float glass .Providing and fixing half height double skin partitions in cabins etc. with frames of 2" x 2" (finished size) seasoned hardwood members (hollock / malaysian sal) at max. partition with frames of 50mm x 38mm (finished size) GI frame work Steel section /Aluminium section /50mmx38mm (finished size)intervals of 1'-6" x 1'-6" c/c with provision of bigger members at skirting, fixing to door frames, etc, all wood work to be treated with 1st quality anti-termite paint, and 6 mm thick Plywood of approved make covered with various finishing layers as per design and details including 1 mm thick laminate. (All visible wood to be of 1st quality "gamhar") and shall be painted with Premium 1st quality paint / polished as per instructions of Bank.Ghambhar Frame shall be neatly painted / polished to a glossy finish with premium quality paint / polish. All necessary hardware such as hinges, bolts, etc, and any other hardware required for the wicket door, shall be included in the price.Laminates shall have a number of horizontal / vertical grooves and the ply under such grooves shall be painted with approved colours. All electrical wires, accessories, telephone wires, etc, shall be run in the partition without any extra charges for the same.All exposed wooden surfaces are to be painted with Premium quality paint as per Specifications.	S.Ft.	133.00			
4	(HYDRAULIC DOOR CLOSER) Providing and fixing Hydraulic door closers of specified brand, all complete as per instructions of Architect / Employer.					
5	(LOCKS) Providing and fixing "Godrej Night Latch" / "Godrej Mortice Lock" in required places, all complete with fixing, fitting, etc.	Each	7.00			
6	(EXECUTIVE TABLES) Providing and Placing new executives tables alongwith matching credenza of plan size (basic) as given below and credenza of plan size as given below, table top to be made of 19 mm thick plywood of approved make, edged with beading of 2" x 1-12" approx), cut to required shape, top of table to have 1.0 mm thick laminate, and teakwood beading to be polished to required colour and finish. Table to have a vertical modesty panel of 19 mm thick commercial plywood of approved make laminated/Plain with laminate (1.0 mm thick) from the outer side and painted with minimum 2 coats of premium 1st quality paint on the inner side. Modesty partition to have 1st quality beading on top as per design and specifications and Quality Enamel paint over appropriate priming coat on the internal surface.	Each	7.00			
	Laminate to have a no. of grooves as per design and t s drawings. Achest of drawers shall support the table on 1 side (except in the case of staff tables of 4'-0" width, where the table shall be supported on one side by the credenza unit) integrally connected to the modesty partition, made of 19 mm thick commercial plywood of approved make, drawers to slide on drawer slides (EBCO / Equivalent), and made of 19 mm thick grade bwp board for all sides and bottom cabine shutters of 19 mm thick commercial plywood of approved make, cabinet hinges to be t-type, self closing, EBCO / Equivalent, all edges of all blockboard / plywood to be sealed with 1st quality teakwood edging, including blockboard members touching the ground.					
	Drawers and cabinet shutters to be laminated on all external surfaces with 1.0 mm thick laminate, and painted on all visible internal surfaces with premium 1st quality enamel paint as Specified above.					
	All drawers and cabinets (both in tables and credenza) to provided with high quality 'Gogrej' locks, and high quality handles as per Item No. B above.					
	The other end of the table to be supported / integrated with a credenza unit of basic 2'-6" height, or as required, top, back and sides made out of 19 mm thick commercial plywood of approved make laminated/Plain , top to be finished with 1.0 mm thick laminate and teakwood beading o/o 1" x 1", carved as per design, and finished as per table Specifications above.					
	Drawers and cabinets, cabinet shutters, etc. to be as described in table specifications above, including all finishing details, and one glazed cabinet shutter in 1st Quality Teakwood frame, finished with laminate also to be laminated with 1.0 mm thick laminate grooves as / design.					



	Keyboard unit as per design and specification to be included in the rate.				
	Table edges should not be sharp it should be smooth finishes with EDGE Banding. (Rahau or equivalent. Company)				
	Laminate pasting pattern /design as per banks design guideline/detail/reference.				
a)	Bm table (6'-0" x 2'-6" x 2'-6")	Each	1.00		
b)	officer table (5'-0" x 2'-6" x 2'-6")	Each	0.00		
c)	Credenza (3'-0" x 1'-3" x 2'-6"), (3'-9" x 1'-3" x 2'-6")	Each	4.00		
7	(Full Ht cabinet & Sill Ht cabinet) :- Providing and erecting in position side cabinet units with shutters of approx size of 400mm deep x 750mm, high made of 19mm thick BWP grade block boards including intermediate shelves as per drawing / instructions. Exposed surfaces shall be finished with 1.00mm laminate of approved shade and make. Inner faces shall be painted with two coats of synthetic enamel paint of approved shade & quality over a coat of primer. Free edges of block board shall be finished with polished white or steam beech wood half round moulds (out of 20 x 20 mm sections). Inner faces shall be painted with two coats of synthetic enamel paint of approved shade & quality over a coat of primer. Painted as directed. Inner faces of cabinet including shutters shall be painted in approved shade. Shutters will be hung by auto-closing hinges, locks, magnetic door catcher and satin finished S. S. handles etc. of approved make. Skirting: 100mm high laminate of approved make & shade all as directed. (elevation area calculation)				
8	(WORKING TABLE / LEDGER COUNTER) Providing and fixing COMPUTER COUNTERS (formerly from asRUNING TABLE) made out of 19 mm thick commercial plywood of approved make and as per the attached drawing, all complete with 1.0 mm thick laminate (Greenlam/Century) on all visible surface, tabletops, customer top, etc. and all drawers etc. to be painted with 1 coat of primer and 2 coats of 1st quality enamel paint). 12 mm thick glass, MODIGUARD/ASAHI, branded, to be used on top of the COMPUTER COUNTER. Keyboard Tray to be provided on Special Keyboard Slides, and wristrest to be given. Drawer Slides to be used for all drawers. All locks to be of Godrej / Linc. All drawers, cabinets, Keyboard, etc. to be lockable. Footrest to be provided. (See Detailed drawing attached). The Front of the Computer Counter shall have decorative finishing in ply and laminate as shown in the drawing attached.	SFT	67.00		
9	(CASH COUNTERS) Providing and fixing Cash Counters, to be made entirely of 19 mm thick commercial plywood for all surfaces, with the working top of 3'-6" width at 2'-6" level, and the customer top of 1'-6" width at 4'-0" level. Chest of drawers (lockable) with Godrej / Links to be provided and on cabinet just below drawer. The working top to be 3'-0" wide, fully detailed out with overhangs and supports as per detail drawings, all edges to be sealed with teakwood beading, polished / painted as per directions, all complete with footrest of ghambar wool of section 4" x 2", all complete with all hardware, supporting clips, etc. The front of the Counter shall have decorative features, all complete, as per the designs and drawings attached.	R.Ft.	14.00		
10	(COMPUTER CASH AND CASH CAGE PARTITIONS - SIDES & REAR) Providing and fixing cash cage partition, as per specifications given in Item No. 1a above, modified in height and the openings required to suit the requirements of cash cages, with the exception that in addition to 8.0 mm glass, aluminium mesh shall be given in all cash cage partitions, etc. from 4'-0" to 7'-0", along with supporting members all doors, as per specifications given in Item No. 1 above, all hardware for doors excluding door closers, godrej night latches which shall be paid for separately, all complete. The front of the cash cage shall be done in a decorative design, as shown in the attached drawings and details.	RFT	9.50		
		S.Ft.	248.00		



11	<p>Main Entrance Door: Full ht. Glass Partitions (WITH DOOR) Entrance side Providing and fixing 12 mm thk. full ht. Toughened Glass partitions with etched horizontal liner of 1" ht. and 1/2" clear space in between as per design. Rate should be inclusive of additional Aluminium profile fixed in the flooring and above finished false ceiling level with necessary patch fittings as required to hold the glass partition. All exposed edges surfaces should be machine polished edges. The Rate shall be also inclusive of floor spring, necessary hardware 3'-0" ht. Matt steel door handles with floor locking arrangement of Enox co. etc. Complete as per designs and details from the Architects. The rate shall be Inclusive of Horizontal Etched Lining in between 3' to 6' ht. horizontal etched lining of 1" frost and 1/2" clear as per design etc. complete. Supplying and fixing banks logo - sticker as per drawing and design. Glass wall as per design and instruction by Architect /Engineer</p>	S.Ft.	125.00			
12	<p>(FALSE CEILING) Gypsum board false ceiling with Vertical band /drop of per detail drawing & instructions of Architect</p>					
	<p>(Any alteration / change in drawing & design (as per given by architects) shall be bear by contractor at his/her on cost)</p>					
	<p>Gypsum board false ceiling</p>					
	<p>Providing and fixing in position Gypsum Board False Ceiling including Two coats of Plastic emulsion Paint of appd. quality as per manufacturer's specifications and instructions with 12.5 mm thick 'Gypboard' Screw-fixed to the underside Of suspended G.I. grid. G.I. grid should be Constructed and suspended from the main ceiling as per manufacturer's instructions and as per specifications using Original Co. Specified Framework Sections G.I. 24 gauge The Gypboard should be fixed to G.I. grid with 25 mm long Drawali Screws. The 'Gypboard' to be used should be 12.5mm thick tapered edge boards. The boards should Be taped and filled from underside to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels openings for light fixtures, A.C. ducts, vertical drops, offsets, etc.</p>					
	<p>Additional Intermediate channels should be fixed to strap hangers for additional support to prevent strap hangers from buckling/swaying at every 1200 mm. Item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs supports for A.C. grills, light fixtures, speakers etc. Make: Gypsum board-India Gypsum. Paint make-Asian/ICI</p>					
	<p>The rate should include necessary additional ceiling sections and intermediate channels openings for light fixtures, A.C. ducts, vertical drops, offsets, and with two coats of putty, two coats of approved primer, and three coats of approved lustre paint</p>					
II	<p>New Technologies & Materials (Grid False Ceiling)</p>	SQ.FT.	550.00			
	<p>Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part-4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall SS screws. The work shall be carried out as per specifications, drawing and as per directions of Engineer-in-Charge With semi perforated 10 mm thick micro tegular edged false ceiling tiles.</p>	SQ.FT.	416.00			



13	PANELING WITH LAMINATE FINISH :- Providing & Fixing laminate finish paneling for walls, columns etc. made out of 2" X 1" C.P.T. Wood frame work at every 1'6" c/c (vertical/horizontal) both ways, covered with 10mm thick ply.All exposed surfaces of the paneling shall be finish with approved color 1.00 mm thk laminate complete as per detail drawing & instructions of Architect. (upto 8'0" height/False ceiling)				
14	Panel box covering : Shall be made up of 19mm th BWP boarer free ISI marked -Fire resistant ply on all the sides. shutter shall be of 19mm th block board of BWPgrade ISI marked-Fire resistant (Minimum 2 hr.) and shall have holes 1/2" dia (25nos.) for ventilation and have glass piece (9"x9") for meter reading and shall be finished with 1.00mm laminate of approved shade on all exposed sides and inside finished with 0.8 mm thick laminated. The rate is inclusive of all locks of Godrej or equivalent make, SS tower bolts, SS handles, heavy duty SS hinges etc.all hardware complete. Prior confirmation shall be obtained from the officer in charge for all the hardware, locks and fixture etc. complete. (Note :- Box should not touch the ground)	SQ.FT.	0.00		
TOTAL		SQ.FT.	42		
G.S.T(Extra as applicable)					
Notes:-					
Contractor to Note that:-					
a)	Footrests to be provided (laminated) with each table / counter without any extra charges, @ 1 per person.				
b)	Extra members, wherever required for stability / otherwise, to be provided with the required finish without ant extra charges.				



**BILL OF QUANTITY OF ELECTRICAL WORKS N/W: PROVIDING ELECTRICAL WORKS FOR
INDIAN BANK, KHAJPURA BRANCH PATNA**

BRANCH					
A	SUB HEAD-I (WIRING)				
B	SUB HEAD-II (DISTRIBUTION BOARDS & PANELS)				
C	SUB HEAD-III (SUPPLY OF FIXTURES & FANS)				
D	SUB HEAD - IV (ERECTION OF FIXTURES)				
E	SUB HEAD-V (SUPPLY OF CABLE MAIN & SUBMAIN)				
F	SUB HEAD-VI (SUPPLY & MAKING OF EARTHPITS)				
TOTAL-					
GST AS APPLICABLE					
SL. NO.	ITEM OF WORK	UNIT	QTY	RATE	AMOUNT
SUB HEAD - I (WIRING)					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm FR PVC insulated copper condtr single core cable in surface/ recessed PVC conduit with modular switch, modular plate, suitable GI box and earthing the 3rd point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as required.	Each	38		
2	Wiring for ups light point with 1.5 sq mm FR PVC insulated copper condtr single core cable in surface/ recessed PVC conduit with modular switch, modular plate, suitable GI box and earthing the 3rd point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as required.	Each	4		
3	Wiring for A.C. Point with 2 x 4 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	105		
4	Wiring for Light D.B.CKT with 4 x 6 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with 2X6 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	20		
5	Sub main Wiring between UPS to UPS feed DB with 2 x 6 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with 1X 6 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	21		
6	Wiring for RAW Power with 4 x 6 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with 2X6 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	22		
7	Sub Main Wiring from LT Panel to UPS Panel with 4 x 10 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with 2X6 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	25		
8	Wiring for UPS and RAW feed computer point with 2 x 2.5 sqmm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required. (3 outlets, i.e 3 points each with 1 switch and 3 sockets shall be under one circuit	Mtr.	305		



9	Light Circuit wiring with 2 x 1.5 sqmm FRLS PVC insulated copper conductor single core cable surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 1.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	95		
10	15A/16A Power point Circuit wiring with 2 x 2.5 sqmm FRLS PVC insulated copper conductor single core cable surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	35		
11	Supply & fixing suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 5 pin 5/6 amp modular socket outlet and 5/6 amps modular switch, connection, painting etc as reqd.	Set	10		
12	Supply & fixing suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 6 pin 15/16 amp modular socket outlet and 15/16 amps modular switch, connection, painting etc as reqd.	Set	3		
13	Supply & fixing remote controlled call bell buzzer suitable for 230 V AC/ Battery operated with remote type bell push as reqd.	nos.	1		
14	Supply & fixing of computer point with 3 no. 5 pin 5/6 amp modular socket with modular type switch for UPS Power and 2 no. 5 pin 5/6 amp modular socket with modular type switch phenolic laminated sheet suitable size PVC/G.I. box. As per instruction of Bank/Ele.Er./as required.	nos.	10		
15	Supply & fixing AC controller unit consisting of one no 25 amp AC controller having overload protection starter, one no 20/25 amp SPN MCB and socket outlet, all fixed on a modular plate complete with metal box and recessed in wall as reqd.	Set	4		
16	Supply & fixing of approved make including square face plate and M.S. housing box with RJ-45 socket etc complete in all respect including cat-6 Data cable conduits, identification of the hub				
	a) RJ-45 socket	Set	8		
	b) Cat-6 Data cable with PVC conduit	Mtr.	265		
17	Supply & fixing of approved make including square face plate and				
	a) RJ-11 socket	Set	5		
	b) Supplying and drawing 2 pair 0.5 sqmm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/PVC conduit as required.	Mtr.	85		
18	Supplying and drawing fixing 8 SWG copper conductor wire for loop earthing as required.	Mtr.	40		
19	Supply & fixing Commissioning of 20 line Net-working hub all complete as required.	Set	1		
20	Supply & fixing Commissioning of 2 Meter Patch Cord as required, all complete as per requirement.	Set	10		
21	Supply & fixing of following sizes of PVC conduit along with				
	a) 20 mm	Mtr.	20		
	b) 25 mm	Mtr.	25		
	TOTAL SUB HEAD-I				
SUB HEAD - II (DISTRIBUTION BOARDS & PANELS)					
1	Supplying & Fixing following ways three pole and neutral sheet steel MCB DB, 415 volts on surface/ recessed complete with tinned copper busbar, neutral busbar, earth bar din bar detachable gland plate interconnections, phosphatised and powder painted i/c earthing etc as reqd. (But without MCB / RCCB/Isolator)				
a	4 Way double door VTPN DB.	Each	1		
b	16 Way double door SPN DB.	Each	2		



2	Supply & fixing 5 amps to 32 amps rating 240 V 'C' series MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
a	10/16 A 10 KA SP MCB "B"	Each	36		
b	63 A 10 KA FP MCB "C"	Each	1		
c	40A 10 KA DP MCB	Each	2		
3	Supply & fixing of indoor cubicle extensible type fully compartmentalized Distribution panel suitable for operation on 415 volts 50 Hz 3 phase 4 wire AC distribution system, suitable for 35 KA short circuit rating, confirming to IP:42 degree of protection, made up of 1.6 mm thick CRCA sheet, wall/ floor mounted, dust & vermin proof enclosure, having hinged and earthed cover on front, having neoprene gasket/ katings stuck to the doors, duly painted with 65- 75 microns thick dry epoxy powder paint after 7 tank process of degreasing, derusting etc comprising of the following switchgears complete with all interconnections with suitable size of copper strip/hard drawn PVC insulated copper cable i/c keeping the panel in position, minor civil works as necessary, painting, sign writing etc complete as required (as per specifications of Panel attached)	Set	1		
	INCOMING:				
	a) 100 amp 4 pole MCCB not less than 25 KA having Thermo magnetic type release for a range of 80% to 100% for Overload and short circuit complete with rotary handle etc as reqd.: 1 no				
	b)63 amp 4 pole heavy duty I-II-I type cubicle changeover switch: 1 no				
	METERING:				
	a) Multifunctional meter displaying A/V/PF & Hz along with 3 nos				
	Suitable size CTs & HRC type protection fuse etc as reqd: 1 nos				
	c) LED type phase indicating lamp in phase distinguishing colors with HRC fuse : 6nos				
	BUS BAR:				
	Main Bus Bar: 4 strip 200 amp bus bar made of electrical grade aluminium strip enclosed in separate bus bar chamber, provided with DMC/ SMC bus bar support duly insulated with heat shrinkable sleeves in distinct colours as reqd: 1 set				
	Emergency Load Bus Bar: 4 strip 150 amp bus bar made of electrical aluminium copper strip enclosed in separate bus bar chamber, provided with DMC/ SMC bus bar support duly insulated with heat shrinkable sleeves in distinct colours as reqd: 1 set				
	OUTGOINGS:				
	40 amp, 10 KA D Series FP MCB : 3 nos.				
	40 amp, 10 KA D Series DP MCB: 2 nos.				
	25 amp 10 KA C series SPN MCB: 7nos.				
	63 A rotary type Phase selector: 2 no				
	63 amp DP Manual Change Over For UPS Charging-1 nos.				
4	S/I/T/Commissioning of UPS PRIMARY & SECONDARY consist of:-25 Amps and 32Amps DP MCB with 2 Nos 32Amp power socke in MS Enclosure Box as required, all complete as per instructions of Bank / Architect.	Set	2		
	TOTAL SUB HEAD-II				
	SUB HEAD - III (SUPPLY OF FIXTURES & FANS)				
1	Supplying of 6W/9W LED batten suitable for indoor application.	Each	3		
2	Supplying of stepped type electronic fan regulator on the existing modular plate switch box i/c connection but excluding modular plate etc as reqd.	Each	2		
3	Supplying of 36W LED (2'X2') surge protection LED luminaire suitable for armstrong ceiling and grid ceiling complete with separate electronic drive/approved make by architect/Ele.Consultant etc as reqd.	Each	14		



4	Supplying of recess mounted circular LED (dia-6") downlighter 9/12 Watt LED suitable for armstrong ceiling and grid ceiling complete with separate electronic drive/approved make by architect/Ele.Consultant etc as required.	Each	20		
5	Supplying, installation, testing & fixing of 1X36 W tube light fitting powder coated batten with PC tube.	Each	5		
6	Supplying of Exhaust fan 300mm sweep HEAVY DUTY EXHAUST	Each	3		
7	Supplying of 1200 mm sweep energy efficient ceiling fan, connection with 1.5 sqmm PVC ins copper condtr, testing, commissioning etc as reqd.	Each	2		
8	Supplying of oscillating and tilting type wall bracket fan of 400 mm sweep i/c fixing the same on wall, connection with 1.5 sqmm PVC insulated copper conductor, testing, commissioning etc as required.	Each	10		
TOTAL SUB HEAD-III					
SUB HEAD - IV (ERECTION OF FIXTURES)					
1	Installation, testing and commissioning of ceiling fan and regulator including wiring the down rod of standard length (upto 30 cm) with 1.5 sq. mm PVC insulated, copper conductor, single core cable, i/c pvdg earthing wire etc. as required.	Each	2		
2	Installation, testing and commissioning of 400MM wall fan including wiring with 1.5 sq. mm PVC insulated, copper conductor, single core cable etc. as required.	Each	12		
3	Installation of exhaust fan up to 300mm sweep in the existing opening, including making the opening / hole to suit the size of the above fan, making good the damages, connections, testing, commissioning etc. as required.	Each	3		
4	Installation, testing and commissioning of 1X36watt tube Light or 1 X 18/23 watt LED with tube /bulb and other all cover provide all fitting.	Each	40		
TOTAL SUB HEAD- IV					
SUB HEAD - V (SUPPLY OF CABLE MAIN & SUBMAIN)					
1	Supply & laying for sub main from L.T line & DG line following sizes and core PVC/XLPE insulated PVC sheathed, heavy duty, armored electrical cable with aluminum conductor for working voltage up to and including 1100 volts.(Conforms to IS:1554, part-1) with 8 no. SWG die bare copper conductor wire for loop earthing, proper laying on wall or roof, thumbnail clipping and use proper size cable gland for cable sport etc. as required. all complete as per instructions of Elec.Er. / Architect.				
	(i) 25 sq.mm, 3.5 core LT Cable	Mtr.	0		
	(ii) 35 sq.mm, 3.5 core LT Cable	Mtr.	35		
TOTAL SUB HEAD-V					
SUB HEAD - VI (SUPPLY & MAKING OF EARTHPITS)					
1	Earthing with CU earth plate 600mm x 600mm x 3 mm thick accessories and pdg masonry enclosure with cover plate having locking arrangement and watering pipe etc (but without charcoal or coke and salt) complete as required.	Set	3		
2	Extra for using charcoal and sal for copper earth plate electrode as required	Set	3		
3	Providing & laying earth connection from earth electrode with 4 mm dia copper wire in 15 mm dia. GI pipe from earth electrode as required.	Mtr.	34		
4	S/L 4 mm dia copper wire on surface or in recess as reqd.	Mtr.	38		
TOTAL SUB HEAD-VI					

