

**ONLY EMPANELLED CONTRACTORS OF INDIAN BANK AT LUDHIANA
ZO CAN APPLY**

INDIAN BANK

TENDER DOCUMENT

FOR

INTERIOR FURNISHING

&

ELECTRICAL WORKS

OF

INDIAN BANK AT

DUGRI ROAD LUDHIANA

**OFFICE OF THE
ZONAL MANAGER
INDIAN BANK, ZONAL OFFICE,
DUGRI ROAD,
LUDHIANA**

ARCHITECTS :

GURDEV GROUP OF ARCHITECTS

SCO 1094-95, SECTOR 22-B,
CHANDIGARH – 160 022
PHONE : 0172-2712201
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DETAILS OF TENDER

TENDER FOR THE FURNISHING & ELECTRICAL WORKS IN INDIAN BANK AT DUGRI ROAD LUDHIANA

1. Details of work to be done : Interior / Furnishing & Allied electrical works for the furnishing of Indian Bank DUGRI ROAD LUDHIANA
2. Form of Contract : Item wise rate
3. Earnest Money : Rs. 20,000/- (Twenty thousand only) in form of Demand draft in favour of Indian Bank, payable at Ludhiana.
4. Period of contract / time of Completion : 4 Weeks
5. Last Date & time for receiving: of sealed tender. : 05.04.2017 at 3:30 p.m.
6. Liquidated damages for non-completion of work in time : 10% of the contract value per week subject of the contract value.
7. Defect Liability Period : 12 months (Twelve months) from the date of virtual completion as certified by Architect / employer.
8. Retention amount for 12 months: 8% of the total bill.
9. Period of submitting of Final bill. : 15 days form the date of completion.
10. Mobilization Advance / Secured Advance : No. Mobilization Advance / secured Advance will be given to the Contractor.
11. Place and date of opening of tender : 06.04.2017 at 4:00 p.m. in the Office of the DGM, Indian Bank Z.O. Ludhiana

**Zonal Manager, Indian Bank,
Zonal Office, Dugri Road, Ludhiana.**

TENDER FOR THE FURNISHING & ELECTRICAL WORKS IN INDIAN BANK
AT DUGRI ROAD LUDHIANA

GENERAL CONDITIONS

1. The Contractor shall sign each page of this tender.
2. Payment to the Contractor Agency shall be made as per actual work done at site.
3. Quantity of work may increase or decrease at site as per requirement, which shall not affect the rates quoted by the contractor.
4. Furnishing works including electrical works etc. shall be done to the complete satisfaction of Bank and Architect-in-charge.
5. All teak / Cedar wood / rubber wood to be used should be knotless which is to be polished with all background surface preparation coarses maintaining the visibility of wood grains.
6. The rates to be quoted shall include the cost of material, labour charges, carriage, sales tax, or any / all other taxes any required hardware etc.
7. The contractor agency shall keep particular vigil on his workers / carpenters / painters etc. to maintain very good workmanship of all items, failing which no payment shall be made and no claim of material / labour used shall be made to him in any case, and the same work shall be executed by him again without charging any extra cost.
8. All rates shall be quoted in words & figures & any cutting over writing shall be signed.
9. All items to be executed as per drawings, if any change is required, the same shall be brought to the notice of Architect-in-Charge.
10. Any tender / quotation containing clerical or arithmetical mistakes shall be rejected.
11. Any addition, alteration or correction shall be signed and stamped properly.
12. Contractor agencies are advised (before quoting the rates) to inspect the site of the proposed work. He must go through all drawings and specifications and documents.
13. The Bank reserves the right to accept / reject any tender / quotation without assigning any reason.
14. The Contractor agency should have already executed works of furnishing interiors & exterior, civil works of very good workmanship.
15. Quality of material and workmanship rejected by the Architect / Concerned Authorities shall be removed immediately by the contractor and rectified / replaced.
16. No advance payment shall be made to the Contractor on supply of any material supplied at site for execution. Payment shall only be made on execution of any concerned / particular item.
17. The rates shall include the cost of coat of anti termite treatment on all wooden frame work and all commercial ply / board used for partitions and paneling, furniture etc. The contractor/s shall have to dismantle & dispose (which is/are of no use) the existing counters, tables, partitions, false ceiling and electrical items within the quoted cost of the total furnishing works.

18. Rates for partitions, paneling, wall cladding and false ceiling shall include cutting and making good of necessary cut-outs/chiseling to be made for electrical conduits, switch boards etc.
19. Bank shall not be responsible for any loss or damage to the contractor/labour due to any natural calamity during the course of construction. Contractor is liable to make good all the damages if any, till the work is completed and handed over to the Bank authorities.
20. Any payment to the contractor on account of execution of work, whether it is running payment or final, shall be verified by the Architect-in-Charge.
21. Unless, otherwise mentioned all materials to be used shall be I.S.I. marked. Failure to do so, the work may be rejected and in that case contractor shall have to remove the defective materials and replace / re-do the work for which no claim shall be entertained.
22. The total work shall be supervised by the Architect-in-Charge and he/she shall be kept fully informed by the contractor regarding the progress of work.
23. Bank may award the work in part or whole to a single party or any other party.
24. It may please be noted that the Bank is not bound to allot the work to the lowest party. And as such, the allotment of work shall be based on workability of rates quoted by the contractor on account of quality work.
25. The bank reserves the right to reject any or all the tenders without assigning any reason whatsoever.
26. The earnest money deposited shall not carry any interest and will be refunded to the unsuccessful tenderers.
27. Earnest money paid by the contractor shall be forfeited by the Bank if contractor fails to undertake the job if he is communicated about acceptance his rates/tender.
28. The contractor shall take all the necessary precautions while working and to safe guard adjacent property, Bank's property, Bank's Employees, and traffic persons.
29. All the rates quoted are inclusive of removal of existing counters, partitions, wiring, rubbish/ debris collected during the progress of work, rejected materials etc.
30. The contractor shall not directly or indirectly sublet the work to other party without written permission of the Bank.
31. The quantities mentioned in schedule are provisional and likely to increase/decrease to any extent or may be omitted thus altering the aggregate value of the contract. No claim for loss of profit / business shall be entertained on this account.
32. The Bank reserves the right to distribute the work for which quotations have been called, among more than one parties, if found necessary. No claim in this respect shall be considered and the contractor agrees to cooperate with other agencies appointed by the Bank.
33. All the workers of the contractor must be properly covered by an insurance policy under "Workman's Compensation act" and "Fatal Accidents Act". The contractor at his own expenses arrange to effect and maintain until the virtual completion of the contract, insurance policy in the joint name of Bank and the contractor against this risk to be retained by the Bank until the virtual completion of the work, and indemnify the Bank from all the liabilities arising out of such events. In case of delay, contractor shall arrange to extend insurance policy till work is completed.

34. All the work should be completed within the specified period in the tender. If the work is delayed due to the reasons beyond the control of the contractor, he should keep intimating the Bank explaining, therein the reasons for such delays, immediately and if in the opinion Bank's authorities the delay is justified, the contractor shall be granted extension in time limit.
35. The contractor shall furnish well in time before work commence at his own cost, colour samples, samples of materials or workmanship that may be called by Bank's Architect / Engineer for approval. Rates quoted shall cover for such preliminary work.
36. All the glass panes, door handles/ hinges, electric fittings, fans, furniture, records, floors etc. are to be thoroughly cleaned after the work is completed.
37. The rates quoted by the contractor shall be firm throughout the duration of contract (including extension of time if any granted) and will not be subject to any fluctuation due to variation in cost of material and labour.
38. Conditional tenders are liable to be rejected.
39. The successful tenderer is bound to carry out any item of work necessary for the completion of the job even those such items are not included in schedule of quantities.
40. If in any case of work required to be abandoned, the contractor shall not be entitled for any claims and he will be paid as per the actual work done till that period, if deemed fit.
41. Decision of the Bank shall be final and binding on any matter connected with the work. The matter of any dispute shall be decided after mutual discussions based on the terms and conditions of this contract. However, if the matter can not be resolved then the same shall be referred to the respected qualified person in agreed to both the parties and his opinion shall be binding on both the parties. However, this is precourse to any legal action in this regard.
42. If at any stage during the progress of work, it is observed that the contractor is not progressing the work with due diligence, care of lagging much behind the schedule or fails to gear up the work despite instructions from Bank's Architect, the Employer (Bank) reserves the right to terminate the contract with 7 days notice. In such case the contractor shall be liable to pay the Employer any extra cost involved for the completion of the said work and will not obstruct any way in completing the work through other agency. After completion of entire work the contractor shall be paid for the actual work executed by him at the quoted rates after deducting any claims, damages. In case of such termination the security deposit held by the Bank will be forfeited.
43. Contractor shall follow all rules / regulations in force and should possess the license for employing labour and also follow all safety measures, labour bye laws and shall be responsible for any lapse.
44. At any stage i.e. during the execution of work, any kind of change reqd. whether it is in design or specification, the same has to be in-corporated by the contractor.

CONTRACTOR

INDIAN BANK

AGREEMENT

This agreement made at _____ day of _____, between the Indian Bank, Circle Office Chandigarh, having its registered office at SCO 190-192, Sector 7, Chandigarh (herein after called the Employer which expression shall include their heirs, executors, administrators and assignees) of the one part and M/S _____ (herein after called the 'Contractor') of the other part. Whereas the employer is desirous that work should be executed as per drawings and specifications describing the work to be done, to be prepared by their approved Architects and WHEREAS the said drawings, the specifications and the price schedule of quantities have signed by or on behalf of the parties hereto and WHEREAS the contractor has agreed to execute upon and subject to the conditions set forth herein and the said priced schedule of quantities at the respective rates mentioned in the priced schedule of quantities, which as part of the tender document. And WHEREAS the contractor has deposited Rs. -----/- as the Earnest Money with the Employer, which shall become part of security deposit to be until the expiry of the Defect liability period for the due observance of the contract.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS :

1. In consideration of the said contract, payments to be made to the said conditions execute and complete the works shown upon the said Drawings and such Further detailed drawings as may be furnished to him by the said Architects and described in the specifications and the said priced schedule of quantities.
2. The employer shall pay the contractor such sums as shall become payable hereunder at the times and in the manner specified in the said conditions.
3. The said contract comprised the building above mentioned and all subsidiary works connect there within the same site as may be ordered to be done from time to time by the said Architects even, through such works may not be shown on the Drawings or described in the said specification or the priced schedule of quantities.
4. The Employer through Architect reserves to himself the right of altering the drawing and nature of the work and adding to or omitting any items of works, check of measurement, payment certificate, variation arising in view of change of scope of work and approval of rates of extra substituted items. The decision of the Employer shall be final and binding in this regard.
5. The Employer in consultation with the Architect reserves the right to exercise control on quality of work, check of measurement, payment certificate, variation arising, in view of change of scope of work and approval of rates of extra submitted items. The decision of the Employer shall be final and binding this regard balance retention money being deducted from my /our bills in accordance with the conditions of contract.
6. The following documents shall be deemed to form and constructed as part of this agreement along with the amendments, negotiated and confirmed in various subsequent letter exchanged as mentioned hereinafter and parties hereto will respectively abide by and submit themselves to the conditions and stipulations and perform the agreement on their parts respectively in such conditions contained.
 - i) Invitation to Tender.
 - ii) Instruction to Tenderers.
 - iii) General Conditions of the contract.
 - iv) Schedule of Quantities.
 - v) Employer letter date _____ / _____ / _____ to the contractors awarding the contract.
 - vi) Contractors letter date _____ / _____ / _____ to the Employer in acceptance of the award of contract.
7. All disputes arising out of or in any way connected with the agreement shall be deemed to have arisen at New Delhi only, the court in New Delhi shall have jurisdiction to determine the same.
8. The several parts of this contract have been read to us and fully understood by us.

Witness our hand this..... day of2008

SIGNED BY THE SAID
(EMPLOYED)

IN THE PRESENCE OF
ADDRESS
.....

SIGNED BY THE SAID
(CONTRACTOR)

IN THE PRESENCE OF
ADDRESS
.....

**TENDER FOR THE FURNISHING & ELECTRICAL WORKS IN INDIAN BANK
AT DUGRI ROAD LUDHIANA**

**SPECIFICATIONS / BRANDS / MAKE OF ITEMS
FOR FURNISHING WORK TO BE USED.**

a)	Board / Ply	:	Luxas / Burma / Unity / Wood Queen make (Ripsa Boards) conforming to ISI standards.
b)	Laminate	:	Merino, Century, Greenlam: 1mm th.
c)	Door Closer / Floor spring	:	Everite, Doorking, Sandhu, Nitco.
d)	Drawer & Keyboard, Slide Rails	:	Earl Bihari, Ebco (Telescopic)
e)	Glue for fixing commercial Board / Laminate	:	Fevicol (Pidilite)
f)	Glass	:	Triveni, Modi Float, Saint Gobain, Asahi.
g)	Mortice Latch & Lock	:	Godrej, Harrison.
h)	Vertical Blinds	:	Vista Levelor / Mac / Neha.
i)	Tapestry/leather foam	:	Harmony, Vimal, Bhor or as approved
j)	Aluminium Sections	:	Jindal/Mahavir/Hindalco
k)	False Ceiling	:	India Gypsum marked "Gypsteel"
l)	Synthetic Enamel	:	Asian, Nerolac, ICI, Berger
m)	Emulsion Paint/Plastic Paint	:	Asian, Nerolac, ICI , Berger

**SPECIFICATIONS / BRANDS / MAKE OF ITEMS
FOR ELECTRICAL WORK TO BE USED.**

- SFU/MCCB/ Change over switch/DB	:	L&T/ MDS/ Legrand/Havells.
- Voltmeter/Ampere meter	:	AE/L&T.
- Armored unarmored Cable	:	Gloster/ CCI/Polycab.
- PVC Insulated Wires	:	Polycab /Finolex/Havells.
- Telephone cable	:	Finolex/Delton/Havells.
- Data cables & I.O's	:	Lucent/D-link/Cat-VI.
- Modular switch / socket / call Bell	:	Havells/Legrand.
- Light fittings & Lamps	:	Philips/Crompton/Wipro/Havells.
- Ceiling fan/Wall bracket fan/Exhaust	:	Crompton/Orient/Khaitan/Bajaj.

CONTRACTOR

INDIAN BANK

TENDER FOR THE FURNISHING & ELECTRICAL WORKS IN INDIAN BANK
AT DUGRI ROAD LUDHIANA

S. No.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT (RS)
A.	<u>FURNISHING WORKS:</u>				
1.	Providing & fixing in position false ceiling in Armstrong 600 x 600 mm x 15/16 mm Dune Supreme RH 99 Prima tile as specified by Armstrong Co. with suspenders wherever required. Making necessary framework for A.C. ducting, if any, and necessary cutouts for diffusers and light fittings, taping and finishing to proper line & level, including making grooves and trap doors for A.C unit in 18mm thick M.R. Grade Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges, if any including finishing with White Plastic Emulsion Paint etc. complete in all respects. (Note: - Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves, mouldings, steps or any type of design etc.)	500	Sqft.		
2.	Providing & Fixing false ceiling at 9'-0" ht. of India Gypsum Ltd. (GMFSC-4.1) using 12.5mm thick Gypboard, paper tape, jointing compound, G.I. Sections marked "Gypsteel" to be placed at 4'-0" C/C in one direction and at 1'-6" C/C in other direction. The false ceiling shall be finished properly after cutting / making holes for fixing light fixtures including three coats of oil bound distemper paint etc. complete as per drgs.	650	Sqft.		
3.	Providing & fixing Aluminum partitions / window (powder coated of size 2 ½" x 1 ½" x 16 guage bottom section 4 ½" x 1 ¾" x 2mm th. with 5mm th. glass. And aluminum door/s: 3'-9"X7'-0" powder coated having; External frame called chowkhat: 3¼" x 1½" x 2mm thick, Internal door frame and lock rail: 3¼" x 1 ¾" & Bottom rail: 4 ½" x 1 ¾" with 5mm thick etched glass as per design. including all fittings such as al. handles, locks, stopper, tower bolts, etc. (Main entrance + Fixed glazing + Server/UPS door, windows)	300	Sqft		
4.	Providing and fixing wooden partition strictly as per drgs. made of internal frame of 1 ½" x 2" partal wood placed at 2'-0" c/c vertically and horizontally with 6mm thick commercial ply (of Lexus / Burma / Unity make all conforming to ISI standards) on both sides. The partition shall with 1.00 mm thick laminate (Merino, Century, Greenlam, .) on both sides. These partitions shall have 5.00 mm / 12mm (as specified) thick glass (etching as per design) above 2'-6" ht. or 4'-0" ht with beading ½"x1 1/2". The rate of partition shall include providing & fixing door in partitions made as per the specifications of partition, but with complete hardware required such as brass handles, latches, stopper, the low ht. partition shall have rubber-wood / teak-wood gola of size 3" x ¾" which shall be polished as per shade reqd.				
i)	Low ht. partitions with 12 mm thick glass.	130	Sqft.		
ii)	Manager Cabin's ptn. with 5mm th glass.	225	Sqft.		

iii)	a) Cash-Cabin's pts (7'-3" high)	90	Sqft.		
iv)	b) Cash cabins' as well as single windows' front ptn. with 12mm th. Glass.	30	Sqft.		
v)	Partition in strong room.	nil	Sqft.		
vi)	Rear partition & door for banking hall.	30	Sqft.		
vii)	Cost Mortice locks (with handles)	6	Nos.		
viii)	Cost of Multipurpose locks for storages, drawers etc.	40	Nos.		
ix)	Cost door closers.	8	Nos.		
x)	Cost floor springs.	1	Nos.		
xi)	Cost of Knight Latches	1	No.		
5.i)	P/F wall paneling (in customers' area only) on soft wood frame 1 ½" x 2" placed @ 2'-0" c/c horizontally & vertically @ 1'-0" C/C, finished with 6mm thick commercial ply (of Lexus / Burma / Unity make all conforming to ISI standards) finished with 1.00 mm thick laminate of (Merino, Century, Greenlam, .) . The paneling shall be closed with 2" x 1" rubber wood / teak-wood beading.	90	Sqft.		
6.	Providing & fixing SWO Banking Counters as per design of size 4'-0" x 2'-10" x 2'-6" ht. & 3'-3" ht. (2 heights). The workstation shall the keyboard, drawer, and complete shelf fro CPU at bottom . The work stn. Shall be made of 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial board , with rubber -wood Gola of size ¼" x ¾ ", finished with 1mm thick laminate of (Merino, Century, Greenlam, .) approved shade / colour complete hardware, inside shall be painted with synthetic enamel paint complete in all respects as required by Architect-in-Charge.	15	Rft.		
7.	Providing & fixing Granite 1" thick black or ruby red to be fixed on banking counters and cash cabins' customers' top area with edges moulded, grinded & polished as per design.	nil	Sqft.		
	TOTAL				
B.	FURNITURE & FIXTURE				
1.(i)	Providing & fixing office tables straight/round with/without drawer and storage below of size 2'-4½" (wide), 2'-6" (high) with the provision of key board, with sliding channels of Ebco, complete shelf for CPU at bottom and foot rest . The table shall be made of 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial board , 1mm thick laminate (Merino, Century, Greenlam, .) with rubber -wood gola of size 1 ½" x ¾ " polish, painting inside only, side golas etc., with hardware such as hinges, catchers and handles.	23	R.ft.		
(ii)	Providing and fixing side rack, 2'-3" ht. as per design. These racks shall have two drawers with storage below and be made of 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial	18	R.ft.		

	board, 1mm thick laminate (Merino, Century, Greenlam, .) with rubber-wood gola of size 1 ½" x ¾" polish, painting inside only, side golas, handles, catchers, hinges etc.				
2.	Providing & fixing storage along wall 1'-4" deep made of 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial board , 1mm thick laminate (Merino, Century, Greenlam, .) inside painting, complete finished with goals, hardware etc., drawers, front openable shutters all lockable, handles, hinges as per requirements / design / drg.	80 (Face Area)	Sqft.		
3.	Providing & fixing Manager table of size 6'-0" x 2'-9"/2'-3" x 2'-6" ht. (to be made as per detailed drg. with turn @ 45 degree) with rubber-wood Gola of size 1 ½" x ¾". as per drgs. With complete drawers, storage cabinet, key board, with sliding channels of Ebco, foot rest, space for CPU & Monitor, all as per drg. / design, the table shall be made with 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial board , 1mm thick laminate (Merino, Century, Greenlam, .) inside of table/rack shall be painted with synthetic paint, the other hardware, such as handles, locks, hinges etc. shall be complete in all respects.	6	Rft.		
4.	Providing & Fixing Cash – counters 2'-9" wide, with two levels i.e. 2'-6" & 4'-0" ht. shall be made with 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial board , 1mm thick laminate (Merino, Century, Greenlam, .). The lower portion on cashier side there will be provision of 3 nos. drawers with sliding channels of Ebco. for cash, stationery, key board, etc. Inside of cash counters shall be painted with synthetic enamel paint as per color scheme, rubber-wood beadings / gola etc.	5	R.ft.		
5.	Providing & fixing writing stand of size 3'-0"x1'-0"x1'-7.5" high (face area) as per design drg. Made of 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial board , 1mm thick laminate (Merino, Century, Greenlam, .). with rubber wood lipping etc.	3	Rft.		
6. i)	Providing & fixing notice board of size 2'-6"x 4'-0" finished with ivory colour 1mm th. laminate, 1"x1" th. rubber wood beading on all sides.	1	Nos.		
ii)	Providing & fixing soft board of size 3'-6"x 2'-0" on 10mm th. comm. ply 12mm th. soft board finished with cotton fabric , 1"x2" rubber wood beading.	1	Nos.		
iii)	Providing & Fixing cheque drop box and complaint box of size 18" x 27" as per detail.	2	Nos.		
iv)	Providing & supplying dressing table with mirror of size 1'-0"x5'-0" including sitting desk for lockers room.	nil	No.		
7.	Providing & fixing server room: Counter 2'-3" wide & 2'-6" high with key board, storage cabinet below, drawers etc. complete hardware, shall be made with 19mm thick (of Lexus / Burma / Unity make all conforming to ISI standards) commercial board , 1mm thick laminate (Merino, Century, Greenlam, .). painting etc. complete in all respects as per drgs.	6	Rft.		

	TOTAL				
C	MISCELLANEOUS WORKS:				
1.	Pin-up board finished with cotton cloth & rubber wood beading.	60	Sqft.		
2.	Providing and laying texture paint of "Heritage" Co. Granules type (in customers' area only) as per colour scheme.	0	Sq.ft.		
3.	P/F vertical blinds of vista / Mac of approved shade / colour.	0	Sqft.		
4.	Painting work on walls & cemented ceiling with oil bound distemper paint and enamel paint on shutters and grills.	3000	Sqft.		
	TOTAL				

S. No.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT (RS)
D	ELECTRICAL WIRING				
9.	<u>ELECTRICAL POINTS :</u> Providing laying, fixing & testing of electrical points including wiring fire retardant PVC insulated copper wire flame guard multi-strand copper conductor from MCB's to switches and switches to fixture, plate type switches, socket & M.S. Modular boxes with rust proof treatment size to accommodate the required nos. of switches & sockets plus circuit wiring from switches to lights/fans/fixtures etc. wherever required complete with earthing 1.00 mm ² multi strand wire in 25mm dia. Unbreakable PVC conduit ISI marked with specials under floor / wall & above false ceiling or making truff under / along work – stations including chase cutting, disposal of melba away from the site and repair of the same with cement mortar, copper conductor wires only will be used of approved make.				
a)	Electrical wiring with metal clads to be fixed/embedded in wall for Air-Conditioning: P / F 32 Amp wiring with MCB from D/B to site of outdoor and indoor A/C Unit with 4mm sq. fire retardant PVC insulated copper wire flame guard multi-strand copper conductor, with 1 mm earth wire including metal clads .	9	Nos.		
b)	Electrical wiring for UPS input-output with metal clads: P / F 32 Amp wiring with MCB 32 Amp. from D/B to the location of UPS/UPS room for input and output power supply (with 2 sets of 3-pin switch-socket of 15 Amp for each UPS) with 2 runs of 6mm sq. and one run of 1.5 sq. mm as earth wire fire retardant PVC insulated copper wire flame guard multi-strand copper conductor, with 4 Nos Metal-Clads.	2	No of UPS's		

c)	15 Amp wiring with 2.5mm sq. fire retardant PVC insulated copper wire flame guard multi-strand copper conductor & metal clad enclosure sockets.	8	Nos.		
d)	5 Amp plug point wiring with 1.5mm sq. fire retardant PVC insulated copper wire flame guard multi-strand copper conductor Plate switches, sockets, plugs. Etc.	8	Nos.		
e)	Call-bell point wiring including Ding-dong bell with 1.5mm sq. fire retardant PVC insulated copper wire flame guard multi-strand copper conductor including plate switches, sockets, etc.	1	Nos.		
f)	Wall Fan (5amp. switch socket for wall fans), lights & exhaust fan point wiring with 1.5mm sq. from D/B to switches & fittings fire retardant PVC insulated copper wire flame guard multi-strand copper conductor including plate switches, sockets, etc. (For payment no. of switches shall be counted).	50	Nos.		
10.	<u>Wiring & fixing telephone point to be left from table to outside for the connection from BSNL or so:</u> Incl. Providing and fixing of PVC conduit in wall floor incl. Telephone cable, M.S. box and two pin telephone sockets on or R.J. – 11 plates out let incl. Testing and commissioning etc. as required.	10	Nos.		
11.	Signage wiring (material & labour) – P&F of 2x4mm and 1x1mm copper fire retardant PVC insulated copper wire flame guard multi-strand copper conductor PVC conduiting of ISI make complete with all accessories like Saddles, bends modular switches etc.	1	No.		
TOTAL					

E	<u>ELECTRICAL FITTINGS & FIXTURES</u>	QTY.	UNIT	RATE	AMOUNT (RS)
1.	Providing & Fixing 2' x 2' recessed mounted LED Luminaire LCTLR-36-CDL of Crompton.	17	Nos.		
2.	Providing & Fixing 15 W LED ROUND DOWNLIGHTER LCND-15-CDL of Crompton.	15	Nos.		
3.	Providing & fixing LED tube lights 1x36W of Philips.	10	Nos.		
4. (i)	Providing & Fixing wall fans: Crompton Greaves / Orient / Bajaj / Havells.	10	Nos.		
(ii)	Exhaust Fans 12" Dia: 1400 rpm (Double ball bearing) Heavy duty Crompton Greaves / Orient / Bajaj / Havells.	2	Nos.		
iii)	Providing & Fixing ceiling fans: Crompton Greaves / Orient / Bajaj / Havells. 4' dia.	nil	Nos.		
iv)	Cost of modular regulators of Havells / Anchor ROMA makes.	1	Nos.		
5.	Providing and fixing 10 way D/B for Telephone distributions.	1	No.		
6.	Providing & fixing main electrical dist. Board duly earthed, with all internal <u>electrical and</u>				

	generator connections with 10 sq.mm multi strand copper wire, all hardware nickel coated, which shall include the following items.				
i)	Amp Meter and voltmeter set	1	Set.		
ii)	Kit-kats 100 Amp.	3	Nos.		
iii)	Aluminum bus bar 100 Amp proper tinned.	1	Nos.		
iv)	100 Amp. Main switch MCCB type.	1	No.		
v)	Change –over 63 Amp. 3-Phase of Havells make.	1	No.		
vi)	Providing and fixing different rated MCB,s for lights, fans, power supply and AC's. of Havells make.	30	Nos.		
vii)	Providing and fixing TPN's of 100 Amp of Havells make.	6	Nos.		
viii)	Making double-door powder coated M.S. Distribution board 3'x3' to accommodate the above noted electrical items.	9	Sqft.		
	UPS Supply:				
viii)	Providing and fixing (MCB type) DP of 63 Amp of Havells make for UPS supply.	6	No.		
ix)	Providing and fixing different rated MCB,s for UPS supply of Havells make.	16	Nos.		
x)	P/F single phase 8-way D/B (Quote the cost of Box only) for UPS supply for MCB's.	2	No.		
7. i)	Providing & fixing main electrical cable 4- core al. cable armored from elect. pole to meter 35mm dia.	20	Mtr.		
ii)	P/F generator wire/cable 16mm 4-core Alum. Cable armoured.	20	Mtr.		
iii)	P/F 16mm 4-core Alum. Cable from bus-bar to ATM.	10	Mtr.		
8.	MASTER SWITCHES: 10 way double door Single phase MCB Box fitted with: i) 63 Amp TPN isolators: 2 Nos. ii) 32 Amp DP: 1 No. to be installed at the main gate of the Bank to switch off main supply for lights, power/AC's and UPS supply (output) except router, Camera and UPS's Charging lines. Complete wiring with 4x6 sqmm multistrand PVC copper wire for the above said MASTER SWITCHES.	1	Set		
9. i)	P/L copper pipe with 2.5 mm fire retardant PVC insulated copper wire flame guard multi-strand copper conductor complete insulation upto outdoor unit required for 1.5 ton split type A.C.s from the place of external units upto the location of inside units.	50	Rft.		
ii)	Providing and laying 25mm dia. PVC pipe heavy duty Diplast make for drainage of water of inside units.	50	Rft.		
	TOTAL				

F	DATA-CABLING, & UPS CABLING				
1.	<p>UPS POINTS: P/L & testing electrical three point wiring /circuit wiring having individual circuits for computers with 2.5mm² fire retardant PVC insulated copper wire flame guard multi-strand copper conductor in unbreakable PVC conduits 25mm dia wall thickness 2mm thick with specials under floor / wall & above false ceiling including chase cutting, disposal of malba away from the site and repair of the same with cement mortar, incl. Switches & socket M.S. switch boxes with rust proof treatment size to accommodate the required nos. of Modular switches, sockets etc. & plate type sockets with indicator three in one plate including earthing with 1.00 mm² fire retardant PVC insulated copper wire flame guard multi-strand copper conductor complete in all respect.</p>				
i)	<p>Set of 6 amp. 4 sockets & 1 switch (Set of 4 Sockets shall be provided under the table and switch of these four sockets shall be provided on the above / side of table for easy access).</p> <p>Note: -The server shall have 2 sets of "output supply" from individual UPS.</p>	22 Sets	Each set		
ii)	<p>UPS supply to tube lights: Point wiring / circuit wiring with 1.5mm sq. fire retardant PVC insulated copper wire flame guard multi-strand copper conductor from D/B to switches & fittings multi strand PVC copper wire including plate switches, sockets, etc. (for payment no. of switches shall be counted).</p>	4	Nos.		
iii)	<p>Providing and fixing 16 Amp 3-pin power tops with 4.00 mm² copper wire for UPS in-put.</p>	2	Nos.		
2.	<p>GEL TYPE CHEMICAL EARTHING (Distance between each pit shall be min 1.5meter) (Generator + UPS + Raw Power = 3 nos)</p> <p>Supplying and installation of copper Gel Earthing station having length 3000 mm including bore-well, chamber with cover and all required civil allied works each earth pit to filled with 2 bags in 30 Kg pack of "Black-Fill Compound" (BFC)</p> <p>EARTHING CONDUCTORS:</p> <p>Wiring with 1x10 sqmm PVC insulated copper conductor wire of 650/1100 volts grade (Finolex make flame guard quality) as earth wire with concealed/exposed PVC pipe including making all the connections.</p>	2	Nos.		
3.i)	<p>Providing, laying, testing and commissioning CAT-VI/ Lucent / D-link computer networking cable in PVC conduit in floor or wall from server room to each table with I.O.'s (Socket)</p>	15	Nos.		
ii)	<p>Supplying of patch chords for computers 1m & 2m length.</p>	20	Nos.		

4.i)	Removal & re-fixing, testing and commissioning 24-port switch and patch panel / M.S. rack.	1	No.		
ii)	Providing, fixing, testing and commissioning 9-U M.S. powder coated rack for 16 port switch.	nil	No.		
TOTAL					

	<u>SUMMARY OF COSTS</u>				
A.	FURNISHING WORKS				
B.	FURNITURE & FIXTURE				
C.	MISCELLANEOUS WORKS				
D.	ELECT WIRING				
E.	ELECTRICAL FITTINGS & FIXTURES				
F.	DATA-CABLING WORKS				
TOTAL					

Quote Discount, if any = (-) RS _____

NET TOTAL = Rs _____

(Rupees _____)

CONTRACTOR

INDIAN BANK