



TENDER DOCUMENT

FOR

CIVIL/ INTERIOR FURNISHING/ ELECTRICAL&
DATA CABLING WORKS

AT

UCO BANK, BANKURA UNIVERSITY CAMPUS
DIST- BANKURA
WEST BENGAL

ARCHI SPACE CONSULTANT

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UCO BANK, BANKURA UNIVERSITY CAMPUS
DIST- BANKURA
WEST BENGAL

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UCO BANK
UCO BANK, BANKURA UNIVERSITY CAMPUS
DIST- BANKURA
WEST BENGAL

TENDER NOTICE NO:01/22-23

Dated:18/04/2022

NOTICE INVITING TENDERS

1. Sealed tenders in the prescribed form are invited by the UCO Bank, Head Office from the enlisted contractors of UCO Bank on item rate basis for Civil/ interior furnishing/ electrical & data cabling works of UCO Bank, Bankura university campus.
2. The tender documents for the work can be obtained on production of up to date income tax, sales tax, professional tax clearance certificate from the office of the Zonal Office, Durgapur and also from Bank's WEBSITE on payment of Rs 500.00 (Rupees Five Hundred) only on any weekdays on or from 18-04-2022 to 25-04-2022 between 10:00 am to 2:00 pm. Downloaded tender had to submit a DD Of Rs 500.00 (Rupees Five Hundred) favoring Uco Bank, Zonal Office, Durgapur.
3. A Demand Draft or Pay Order for 2% cost of the quoted Value favoring UCO BANK, Zonal Office, Durgapur Payable in Durgapur as Earnest Money to be submitted along with the tender documents. Any tender which is not accompanied by the EMD shall be summarily rejected. EMD of unsuccessful bidder will be returned within a week of award of work to successful bidder without any interest.
4. Tenders should be submitted in sealed covers with the name of work written on the envelope & shall be received up to 2.00 p.m. 25-04-2022 at the office of the Zonal Manager, Zonal Office, Durgapur and will be opened on 25-04-2022 at 3.00 pm at the above office in presence of attending tenderers or their authorized representative (not more than one at a time). Tender documents will not be issued or received by post.
5. The Bank does not bind itself to accept the lowest bid and reserve the right to split up the order as and when necessary and accept or reject any or all tenders without assigning any reason whatsoever.
6. The Bank will not be bound to accept the lowest tender and reserves the right to reject any or all tenders without assigning any reason thereof.
7. Clarifications, if any, required for details, can be obtained from our Consultant, **M/S ARCHI SPACE CONSULTANT. PACIFIC WIND, 69/3A, RAJA S.C. MALLICK ROAD, 2ND FLOOR, NEAR BAGHAJATIN HOSPITAL, KOLKATA - 700047. CONTACT: - 9830006396 / 9830061408**
8. The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all tenders/ application without assigning any reason whatsoever.

Condition of Tender

1. Attested copies of up to date contractor's license, Income tax, value added tax and professional tax clearance certificates will have to be submitted along with the tender, without which the tender will be considered as incomplete and liable for rejection.
2. The tender shall remain valid for three months from the date of opening of the tender.
3. The tenderer is to quote his rate in ink in both English figures and in English word.
4. All corrections in the tender should be initialed by the tenderer before submission of the tender.
5. Each page of the tender documents must be signed by the tenderer.
6. Canvassing in any form is strictly prohibited and any tenderer found to have resorted to canvassing should be liable to have his tender rejected summarily.
7. In the event of the tender being submitted by a firm, it must be signed by a person holding a power of attorney authorizing him to do so, such power of attorney should be produced along with the tender.
8. Time is the essence of this contract and preference is likely to be given to a tender who will be in a position to complete the works in all details within the shortest possible time. The tenderer is required to specially mention in his tender the time he will require for completion of all work within the scope of this tender. Maximum time permitted is 20 calendar days from the date of issuing work order. If the contractor does not complete the work within the stipulated time, the contractor shall be liable to pay UCO Bank liquidation damage for delay as a penalty @ 2% (two percent) of the value of the work in respect of every day of delay or part thereof, subject to a maximum of 20% (Twenty percent) of the value of the work executed by the contractor.
9. When the work is awarded and the letter of intent issued, these documents shall become an integral part of contract.

GENERALCONDITIONSOFCONTRACT

Unless otherwise provided for in the contract documents, these general conditions shall apply to the work of all the specification attached herewith.

1. The contractor shall provide all the necessary supervision during the execution of the works as long as the Architect may consider necessary (which approval may at any time be withdrawn). The Supervisor/ representative of the contractor are to be constantly on the work site & shall give his/ her whole time to the supervision of the same. Such authorized agent or representative shall receive on behalf of the contractor, directions and instructions from the Architect or Architect's representatives.
2. The contractor shall employ only such persons as are skilled and experienced in their trade. The Architect's shall be at liberty to object and call the contractor to remove from the site any person employed by him/ her for the execution of the work who in the opinion of the Architect misconduct's himself or is incompetent or negligent in the proper performance of his duties and such persons shall not be again employed upon the works without permission of the Architect.
3. The contractor shall inspect and examine the site and its surrounding and shall satisfy himself before the submission of his/her tender as to the nature of the site, the qualities, quantities and materials necessary for the completion of the works and in general shall obtain all necessary information's like risk contingencies which may influence or effect his tender& the execution of work in case it is assigned to him/ her.
4. Rate quoted shall cover all the items like transport, octroi, value added tax, incidental charges, duties service tax, any other statutory taxes, etc., for completing the works. No claim will be entertained by the bank due to any fluctuation in the rate of labour, material, freights, taxes, duties etc. at any stage. The rate quoted will be firm during the entire period of work.
5. The contractor has to arrange photos passes in prescribed proforma for the men working in the site. The contractor has to pay all legal dues to the workman engaged by him during the work as per law in force. Contract labor (Regulation & Allowance 1970). P.P. Act 1952, Bonus Act 1965, Est. Act 1972, West Bengal House Rent Allowance Act 1974, Gratuity Act 1972, and latest amended Acts are to be complied for execution of the work.
6. If the contractor fails to pay legal dues to labour or any workmen, UCO Bank will reserve the right to deduct such due, from the final bill of the contractor and arrange for disbursement to the concerned labour or workmen.
7. Work has to be carried out at the site without affecting the normal activities of the staff. The contractor will be responsible for any damage caused during the period of work and has to pay the damage.

8. The successful tenderer to whom the contract is awarded will have to deposit as "initial security deposit" (ISD) a further sum to make up of the value of the accepted tender including the Earnest Money. ISD may be submitted in the form of Demand Draft/ Pay Order. The initial Security Deposit will have to be made within 7 days from the date of acceptance of tender, failing which the Bank at its discretion may revoke the letter of acceptance and forfeit the Earnest Money deposit furnished along with the tender. ISD will be refunded along with the final bills.
9. If the contractor does not complete the work within the stipulated time, the contractor shall be liable to pay UCO Bank liquidation damage for delay as a penalty @ 2% (two percent) of the value of the work in respect of every day of delay or part thereof, subject to a maximum of 20% (Twenty percent) of the value of the work executed by the contractor.
10. Material and workmanship shall conform to relevant ISI specification. Contractor has to follow the instruction of the Architect or his authorized representatives during the period of work.
11. The quantities given in schedule approximate and may vary as per requirement of the site. Payment shall be made on the basis of actual measurement of the work to be certified by Architect. Measurement shall be made as per relevant IS code except wherever otherwise mentioned.
12. The contract is time-bound and the works are to be completed within the time limit. Maximum time to complete the work is 20 calendar days from the date of issue of work order.
13. 90% payment will be released after successful completion of work against bill duly verified & certified by the Consultant Architect & Branch Manager as well. Remaining 10% billed amount will be released after completion of 01 year, provided there is no deficiency/ defects observed in terms of quality & quantity of works. There would neither be any advance payment nor any payment against progressive bills.
14. The contractor has to clear all the materials, debris, tools, tackles, scaffolding etc. after completion of work for which no payment to be made.
15. The Bank shall not be liable for or in respect of any damage compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the contractor and the contractor shall indemnify and keep indemnified the bank against all such damages and compensation (save and except as aforesaid) and against all claims, demands, proceeding costs, charges and expenses in respect thereof or in relation thereto.

FORM OF TENDER

To
The Dy General Manager,
UCO Bank
Zonal Office, Durgapur

TENDERNOTICENO:

dated:

**CIVIL/ INTERIOR FURNISHING/ ELECTRICAL & DATA CABLING WORKS OF
UCO BANK, KOLKATA MAIN BRANCH**

Sir,

I/We the undersigned have examined the tender documents and the site of works as hereby submit this tender amounting the sum of Rs and should the same be accepted hereby undertake to execute, complete and maintain all works as set forth in the schedule of quantities and specifications in accordance with the conditions of tendering, general conditions of contract, and the rates quoted by us in the aforesaid schedule of quantities all here to annexed or in default there of to forfeit and pay to UCO Bank the sum of money mentioned in the aforesaid documents.

I/We agree to abide by this tender for the period of three months from the date fixed for opening of the same.

I/We undertake to complete and deliver the whole of the works covered under this tender within a period of 20 calendar days from the date of issue of work order.

I/we shall be bound by the terms and conditions of the tender documents and our accepted tender.

Witness.....

Signature of Tenderer.....

Name.....

Name.....

Address.....

Address.....

Date.....

Date.....

LIST OF APPROVED MATERIALS FOR INTERIOR FURNISHING WORK		
Sl.No.	Items	Approved make
1	False Ceiling	Armstrong/ India Gypsum
2	PVC Board	Century /Green Ply/ GreenPanel
3	Wood Frame Work / Wood Section	Malaysian Sal
4	Wood Skirting / Moulding / Lipping / Bidding	White Beach/ White Ceder
5	Door frame	Teak wood / Sal Wood
6	BWR Ply / Block board with ISI mark	Century/ Green Ply/ GreenPanel/ Austin/ Sylvan
7	Flush Door	Century/ Green Ply/ GreenPanel/ Austin/ Sylvan
8	Laminate (1.5/1.0 mm thk.)	Century/ Formica/ Sunmica/ Greenlam
9	Door Closure (Heavy Duty)	Godrej / Archi / Sterling (DC 2000)
10	Floor Spring (Heavy Duty)	Godrej / Archi / Sterling (FS 3000)
11	Door Lock (Dead)	Godrej / Hafele /Hettich / Kich /Doorset / 4C Acme (ML – REG – SS)
12	Door Handles ('H' Shape)	Godrej / Hafele /Hettich / Kich /Doorset / 4C Acme (PHG – HSS)
13	Drawer / Storage Handle (4"/ 6")	Kich /Neki / Hassley/EGL (HMS –B – 9122 / 9123)
14	Drawer / Storage Lock (Multipurpose)	Ebco / Hafele /Hettich / Doorset / Godrej / Kombo (502)
15	Screws	GKW / Nettle fold
16	Hinges	CIEF
17	Sliding Telescopic Drawer Channel	Ebco / Kombo
18	Key Board Tray (Metal)	Ebco / Innofitt Systems (KD 510. M)
19	Cable Organiser	Ebco / Innofitt Systems (CM 63.C)
20	Adhesive	Fevicol SH / Fevimate TL
21	Aluminium Frame	Jindal
22	Soft Board	Jolly Board
23	Vertical Blinds	Mac / Annums / Window Fashion
24	Glass	Modi /Ashai / Saint Gobain
25	A.C.P	Alu Decor / Alu Bond / Alstone
26	Ceramic Tiles	Johnson/ Bell Ceramics Ltd
27	Vitrified Tiles	Johnson/ Bell Ceramics Ltd
28	Paints	Berger/ Azo Nobel India Ltd./ Asain Paints
29	SANITARY FIXTURES & FITTINGS	CERA/ JAGUAR/ PARRY WARE
30	All other items not covered above	As per sample approved by Bank/ Architect

LIST OF APPROVED MATERIALS FOR ELECTRICAL WORK		
S.No.	Items	Approved make
1	MS pipe ISI mark. 16 Swg	BEC / NIC
2	MS fittings.	BEC / NIC
3	Wire PVC insulated copper flexiable wire.	Finolex/Havells/Gerard/ MESCAB
4	A.C. stator.	North west / Havells
5	Switch, socket modular plate.	Crabtree(Sapphire)/MDS/AnchoreAVE/Indoasian
6	Armoured cable.	Nicco/Glostar/KDK/Havells.
7	Telephone Socket RJ -11.	Crabtree/MDS
8	MCB, DB.	MDS/Havells/L&T Hagger/ Indoasian
9	Telephone cable (0.51mmsq).	Netco/Delton.
10	Light fittings.	Wipro/Philips/Crompton/ Havells
11	Lugs.	Dowells.
12	Terminals Connector.	ESSEN
13	Exhust fan.	GEC/ EPC.
14	Ceiling Fan/wall mounted fan.	Orient / Crompton / Havells
15	SFU/SPN/TPN S.M. housing /Open execution fronthandle.	Havells/ L&T/ Semeins.
16	Telephone connector.	KORN type.
17	Volt Meter / Amps Meter. 96x96 mm.	AE / L&T.
18	Current transformer.	Kuppa / L&T.
19	Selector switch.	Kaycee.
20	Sliding fuse / DZ fuse.	Bharat Lender/ BCH.
21	PVC tape.	Steel grip/ Anchore.
22	Join Box. 6"x4" MS box Heavey type.	Joiti make.
23	Bearer Call Bell.	Max / Homa.
24	Cable Gland Brass make.	Arun (heavey type).
25	Speaker.	Philips / Bosh.
26	LED incator. 20 dia. (Bright type).	Mikadov / L&T/ MDS.
27	CD palayer.	Philips / Sony.
28	Amplifier	Philips / Sony.
29	Speaker wire.	Finolex.
30	PL /TL lamp.	Philips.
31	PVC flexiable Pipe.	Hunuman.
32	Smoke / heat Detector.	Appolo / Dats.
33	Manual call point.	Minimax/Dats.
34	Security Alam Hooter.	Philips/Dats.
35	Cat -6 cable	Digi Link / Lucent/ HCL.
36	RJ - 45 socket.	Digi Link / Lucent/ HCL.
37	Patch panal	Digi Link / Lucent/ HCL.
38	HUB.	Digi Link / Lucent/ HCL.
39	PVC Regid pipe. MMS.	Precession / AKG / Pesto
40	All other items not covered above	As per sample approved by Bank/ Architect

WORKS SPECIFICATIONS :

Sl. No.	Location	Type of Material	Color Code
1.	Floor	Verified tiles of 600 mm x 600 mm	Armenia of H&R JOHNSON (India) Or 10205 of BELL Ceramics Ltd.
2.	Wall	Plastic Emulsion Paint	White Aura (3P0051) of Berger Paints India Ltd. Or Popcorn White (46YY86/166) of Azo Nobel India Ltd. Or Solemn Yellow (7882) of Asian PaintsLtd.
3.	Ceiling	Plastic Emulsion Paint	White of the above manufacturers

A) Indicative basic material specification:-

Sl. No.	Material	Specifications
1.	Lamination on Horizontal surface	1.5 mm thick conforming to IS 2066
2.	Lamination on vertical surface	1.0 mm conforming to IS 2046
3.	Block board	19.00 mm BWR Grade conforming to IS 1659 Century/ Green Ply/ GreenPanel/ Austin/ Sylvan
4.	Ply	4 mm/ 6mm/ 12mm/ 19mm conforming to IS 710 (BWR Grade) of Century/ Green Ply/ GreenPanel/ Austin/ Sylvan

2) Colour Code of partitions / cabins /counters.

Sl. No.	Colour Code	Location
1.	Steamed Anegre (equivalent to 366 of M/s. Century)	This color will be provided at vertical faces of all counter / partitions along with facade of the counter as per design.
2.	Sugar maple (equivalent to 1758 of M/s. Formica)	This color will be provided at vertical faces of all counter / partitions along with facade of the counter / tables as per design.
3.	Goncalo Alvez (equivalent to 1769 of M/s. Sunmica)	The color will be provided at skirting as per design.

**B.O.Q FOR CIVIL/ INTERIOR FURNISHING/ ELECTRICAL
WORKS OF
UCO BANK ,BANKURA UNIVERSITY CAMPUS**

OWNER :UCO BANK

BRANCH ADDRESS : BANKURA UNIVERSITY CAMPUS

DIST- BANKURA, WEST BENGAL

CONSULTING ARCHITECT - ARCHI SPACE CONSULTANT

**ADDRESS : 69/3A RAJA S,C MULLICK ROAD "PACIFIC WIND" 2ND FLOOR
NEAR BAGHAJATIN HOSPITAL
KOLKATA - 700047 CONTACT - 9830006396**

DATE : 03.03.2022

B.O.Q FOR CIVIL WORK - UCO BANK ,BANKURA UNIVERSITY CUMPUS

SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
A.	DISMANTLING & DEMOLITION				
A.3	Dismantling existing doors & windows wherever required In a manner which facilitates easy fixing of new doors and windows without undue extra expense. The rate shall include removal of debris from site.	1	JOB		
B.	BRICK WORK & CONCRETING WORKS				
B.1	5" THK BRICK WALL	150	S.FT.		
	Constructing 5" thk. Brick wall in 1:4 cement mortar. Brick used shall be of best quality kiln burnt, having sharp edges & giving clear ringing sound when struck against each other. A 5" R.C.C. Patti Beam shall run horizontally @ 3'-0" c/c. The rate shall be inclusive of any scaffolding required, curing etc, complete.				
B.2	6" THK RCC WALL (M20) OF STRONG ROOM	700	C.FT		
	Constructing RCC Wall in 1:1.5:3 mix (M20) concrete of required thickness as per the structural design. All RCC works should be machine mixed and vibrated, clear cover provided for reinforcement. The rate shall be inclusive of any scaffolding required, curing etc. Complete.				
B.3	RCC FLOORING (M20) OF STRONG ROOM	80	C.FT		
	Constructing RCC Flooring in 1:1.5:3 mix (M20) concrete of required thickness as per the structural design. All RCC works should be machine mixed and vibrated, clear cover provided for reinforcement. The rate shall be inclusive of any scaffolding required, curing etc. Complete.				
B.4	STEEL REINFORCEMENT FOR ALL RCC WORKS	1,610	KGs		
	Providing and Fixing Structural Steel Reinforcement as per the structural details for the RCC WALL & FLOOR etc. including shuttering, binding etc. complete in all respect				
B.5	MS GRILL FOR CEILING OF STRONG ROOM	60	S.FT.		
	Providing and fixing MS grills for ceiling of Strong room using 20 mm dia rods spaced 75 mm c/c in welded angle iron frame. The edges to be supported on IS angle 25mmx25mmx3mm on all sides. The side angles to be fixed to the walls firmly with anchor bolts. The rate is inclusive of 2 coats of Antirust paint.				
B.6	STRONG ROOM DOOR, AIR VENTILATOR FIXING	1	SET		
	Fixing in level and in position the strong room door with grill door for the locker room opening and air ventilator as per layout details. The door and ventilator will be supplied by the bank and erected by the supplying vendor. The scope of work include co-ordination with the supplier and getting the clamps fitted properly with concrete and necessary plastering.				
B.7	PLASTERING OF WALLS	750	S.FT.		
	Providing & applying cement sand plaster of 1:4 proportion to brick / RCC walls & ceilings in single coat of avg. ¾" thk. Finished rough to receive plaster of paris levelling coat. The rate shall include necessary scaffolding, curing etc. Complete.				
	TOTAL FOR CIVIL WORKS				

IN WORDS :

NOTE- Excluded item

1) Brick wall of toilet

2) Toilet plastering wall and flooring,Dado cladding work

3) wash basin

4)Plumbing and sanitary fitting , Drainage ,Gully trap , Sanitary fixture

5)Fitting and accessories

6)Sliding window

7) Painting and putty

B.O.Q FOR INTERIOR FURNISHING WORK- UCO BANK , BANKURA

SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
A.	FALSE CEILING				
A.1	False Ceiling - Gypsum Board: (Including Future Expansion Area)	460	Sq.ft.		
	<p>Providing & Fixing suspended gypsum false ceiling, which includes providing and fixing G.I. Perimeter channels of size 0.55mm thick having one flange of 20mm and another flange of 30mm & a web of 27mm along with perimeter of ceiling screws fixed to brick wall / partition with the help of nylon sleeves and screws at 600mm centers then suspending G.I. Intermediate channels of size 45mm X 0.9mm thick with 2 flanges of 15mm each from the soffit at 1220mm centers with ceiling angle of width 25 X 10mm X 0.55mm thick fixed to soffit with G.I. & steel expansion fasteners only, "Fastners" shall be used for ceiling supports. Ceiling section of 0.55mm thickness having knurled verb of 51.5mm & two flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clips & in direction perpendicular to the intermediate channel at 457mm centers. 12.5mm tapered edge gyp board (Conforming to IS-2095-1982) is then screws fixed to ceiling to ceiling section with 25mm dry wait at 230mm centers, additional supports for AC grill shall be fixed as per instructions and AC Plan / Section / Layout. Screw fixing is done mechanically either with screw driver of drilling machine with suitable attachment. The boards are to be jointed and finish so as having a flush look, which includes filling and finishing the tapered and square edges of the boards with jointing compound, paper tape & two coats of primer suitable for Gyp board. Note :- For light fittings, grills diffusers and cutouts, speakers, fire detectors etc. have to be made with the frame of perimeter channels of size 20 X 27 X 30mm X 0.545mm thick, supported suitably as per direction of Architect, Electric or A.C. Consultants & shown as per detail drawing without additional payments. Entire false ceiling shall be finish with 3 coats of ICI. Plastic emulsion paint with necessary scraping, putty, leveling & smooth finish with scaffolding, cleaning etc.</p> <p>Note:-Area of the False Ceiling will be measured in plan i.e. wall to wall. If Any Existing false ceiling should be removed along with debris out of compound without any extra charge.</p>				
A.2	False Ceiling - Armstrong Board: (Including Future Expansion Area)	450	Sq.ft.		
	<p>Providing & fixing in position false ceiling in Armstrong 600 x 600mm x 15 / 16 mm Dune Supreme RH 99 Prima tile with regular edge frame work 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 18 mm thick M . R . Grade Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects. No Drop of design (if any) will be considered as extra measurement it will be considered flat ceiling. The cost includes all the materials, labour, transportation taxes etc., all complete. The work to be completed as per specification and approval of the Architect.</p>				
B.	WOODEN PARTITIONS				
B.1	Full Height Wooden Double Skin Solid Partition With Laminate Finish	190	Sq.ft.		
	<p>Supply & Erecting Solid Partition upto false ceiling, as per drawing & conforming to the following specification: Basic Framework: Well seasoned Malaysian Sall wood sections, treated with two coats of wood preservatives, 50 x 50 mm (minimum) at maximum 2 ft horizontal and vertical spacing as per site condition. Vertical member shall be suitably anchored at floor level to ensure rigidity Skin Membrane: 6 mm BWR grade Ply wood on each face with 2 mm groves as per drawing / instruction. Laminate Finishing: 1.0 mm thk. laminate sheet of combination shades as per instruction (as approved make) on Both face Skirting: The Partition will be finished with 4" wide Skirting finished with 1.0 mm thick Bank's approved colour laminate of approved make on Both Side. Note: Quoted Rates shall include all necessary material, accessories and also allow provisions for electrical / Telephone / Computer wiring conduits and switch boxes etc. (Materials of wiring conduits and switch boxes shall be separately paid for) The work to be completed as per instruction.</p>				
B.2	SEMI HT. Wooden Double Skin Solid Partition With Both Sides Laminate Finish	70	Sq.ft.		

SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	<p>Supply & Erecting SEMI HT. (4'-6") Solid Partition as per drawing & conforming to the following specification:</p> <p>Basic Framework: Well seasoned Malaysian Sall wood sections, treated with two coats of wood preservatives, 50 x 50 mm (minimum) at maximum 2 ft horizontal and vertical spacing as per site condition. Vertical member shall be suitably anchored at floor level to ensure rigidity</p> <p>Skin Membrane: 6 mm BWR grade Ply wood on each face with 2 mm groves as per drawing / instruction.</p> <p>Finishing: 1.0 mm thk. laminate sheet of combination shades as per instruction (as approved make) on both face</p> <p>Skirting: The Partition will be finished with 4" wide Skirting finished with 1.0 mm thick Bank's approved colour laminate of approved make on both sides.</p> <p>Note: Quoted Rates shall include all necessary material, accessories and also allow provisions for electrical / Telephone / Computer wiring conduits and switch boxes etc. (Materials of wiring conduits and switch boxes shall be separately paid for) The work to be completed as per instruction.</p>				
B.3	FULL HT. Wooden Partly Glazed Partition With Laminate Finish	400	SFT		
	<p>Supply & Erecting Partly Glazed Partition upto ceiling, as per drawing & conforming to the following specification:</p> <p>Basic Framework: Well seasoned Malaysian Sal wood 2" x 1/2" sections treated with two coats of wood preservatives, (minimum) at maximum 2ft horizontal or vertical spacing as per site condition. Vertical member shall be suitably anchored at floor level to ensure rigidity.</p> <p>Skin Membrane: 6 mm BWR grade Ply wood on each face with 2 mm groves as per drawing / instruction.</p> <p>Finishing: 1.0 mm thk. laminate sheet of combination shades as per instruction (as approved make) on both sides.</p> <p>Skirting: The Partition will be finished with 4" wide Skirting Finished with 1 mm thick Laminate of approved make & Colour.</p> <p>Glazing: 8 mm. thk. Clear float glass with pencil polish edges from 3'-0" to 6'-6" fixed with continuous wall nut / wenge. It should be fixed with teak wood beading (size - 30mm x 20mm) all around, finished with melamine polished. Polishing will be the same colour as that lamination i. e. cedar finished. The rate should be including cost of decorative etching on on side of the glass. All complete.</p> <p>Note: Quoted Rates shall include all necessary material, accessories and also allow provisions for electrical / Telephone / Computer wiring conduits and switch boxes etc. (Materials of of wiring conduits and switch boxes shall be separately paid for). The erection of partition shall include for expansion bolts cleats, clamps bolts, nuts, screws, rivets and other accessories, all complete. as per instruction.</p>				
B.4	CASH PARTITION	40	SFT		
	<p>Same as - Wooden Double Skin Partly Glazed Partition.</p> <p>Glazing : Strips of 12 mm. thk. clear float glass with pencil polish edges from 3'-6" to 6'-6" fixed with continuos wall nut / wenge. It should be fixed with teak wood beading (size - 30mm x 20mm) all around, finished with natural polished. Polishing will be the same colour as that lamination i. e. cedar finished. A cutout 3" throughout in glass work (similar to front) for official transaction. Above 6'-6" ht. the partition will be finished with 1.0 mm thick Laminate finish on both sides. The rate should be including cost of decorative etching on on side of the glass. All complete.</p> <p>Intermediate trays: There will be provision for small trays / windows for transferring of small copy either from the banking area to the cash cabin or between the cash cabins. it should be finished with 1.0 mm thick Bank's approved colour laminate of approved make. its edges to be same finish. it should have a small door finished with laminate and fitted with all necessary fittings as per instruction.</p> <p>Note : Quoted Rates shall include all necessary material, accessories and also allow provisions for electrical / Telephone / Computer wiring conduits and switch boxes etc. (Materials of of wiring conduits and switch boxes shall be separately paid for). The erection of partition shall include for expansion bolts cleats, clamps bolts, nuts, screws, rivets and other accessories, all complete. The work to be completed as per instruction.</p>				
C.	GLASS BARRIER	50	Sq.ft.		
	<p>Providing and Fixing glass barrier in front of work station made out of 8 mm thick polished edged float glass with teak wood beading (size - 30mm x 20mm) all around, finished with melamine polished. Polishing will be the same colour as that lamination i. e. cedar finished. The erection of divider shall include for expansion bolts cleats, clamps bolts, nuts, screws, rivets and other accessories. The rate should be including cost of decorative etching on on side of the glass. all complete. The work to be completed as per instruction of the Architect.</p>				
D.	GLASS DIVIDER	50	Sq.ft.		

SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	8mm. thk. clear float glass divider on table top for separation of each workstation with pencil polish edges. It should be fixed between two tables with teak wood beading (size - 30mm x 20mm) all around, finished with melamine polished. Polishing will be the same colour as that lamination i. e. cedar finished. The erection of divider shall include for expansion bolts cleats, clamps bolts, nuts, screws, rivets and other accessories. The rate should be including cost of decorative etching on on side of the glass. all complete. The work to be completed as per instruction of the Architect.				
E.	WRITING LEDGE (4'-0" X 1'-6" X 1'-6")	1	NOS		
	Providing & fixing WRITING LEDGE made out of 19 mm BWR ply frame for sides, which shall be finished Laminate of approved make / colour 1.0 mm thk laminate. 12mm thick CLEAR Glass shall be fixed at top & side level with polish at exposed sides. 8mm thick CLEAR Glass shall be fixed vertically at every 4" c/c with smooth polishing at 4 sides and instructions of the Architect.				
F.	SUGGESTION BOX & CHEQUE DEPOSIT BOX				
	Providing and fixing suggestion box & cheque deposit box 1'-6" x 1'-6" x 6" with 1" wide slit for inserting cheques & letters (individual) made out of 18 mm BWR block board and finished with 1.0 mm thk laminate & inside to be synthetic enamel painted. A 1" high slit & small door with key and locking arrangement to be done for dropping & taking out the slips, all complete as per instruction.				
F.1	Suggestion box	1	No.		
F.2	Cheque deposit box	1	No.		
G.	SOFT BOARD	35	Sq.ft.		
	Soft board with necessary framework with 12 mm BWR plywood on top 12 jolly board to be fixed finished with fabric with necessary moulding duly polished along the periphery.				
H.	Notice Board 3' x 2' Acrylic 6 mm sheet with SS Bolt	2	Nos.		
I.	DOOR				
	Providing and fixing solid core flush door of 38 mm thk. Finished with 1 mm thk. approved colour laminate . A wooden cover moulding of 3"x3/4" thk. white beech /teak wood with polish shall be provided. 8 mm thk. clear float glass with etching (approved design) shall be provided with 1 1/2"x3/4" thk. White beech/teak wood moulding with polish for partly glazed door. In case of vision panel door 18"x9" made out of 8 mm thk. Clear glass with moulding with polish to be provided. The rate shall be inclusive of 4" s/s hinges, door stopper, screws, 10" 'H' shape s/s handle (Kitch), dead lock, key hole cover, tower bolt, door closer of approved make. All edges of the door to be covered with necessary lipping with polish. The work should be completed as per specification, design and approval of Architect. Note: Wooden door frame fixed to the wall shall have 4" x2 1/2" Teak wood / sal wood (seasoned) section with natural				
I.1	Partly glazed door -(WPGD-1) - 3'-0" x 6'-6"	2	Nos.		
I.2	Partly glazed door -(WPGD-2) - 3'-0" x 6'-6"	2	Nos.		
I.4	Wooden partition door - (WPD-1)- 3'-0" x 6'-6"	3	Nos.		
I.6	Glass door -(GD-2) - 5'-0" x 6'-6"	1	Nos.		
1.7	Flush door -(D-1) - 3'-11" x 6'-6"	1	Nos		
1.8	Flush door -(D-2) - 2'-6" x 6'-6"	4	Nos		
I.7	Flap door -(FD-1) - 3'-0" x 4'-6"	1	Nos.		
I.8	pvc door - 1'-9" x 6'-6"	2	Nos.		
I.9	ENTRANCE DOORS - WITH TOUGHENED GLASS (PATCH FITTINGS) GD-1	50	Sqft.		
	Providing and fixing frameless fully glazed 12mm thk toughened float glass door fixed with necessary patch fittings(Dorma make) including cutting, making holes, cutouts in the glass of required shape and size to accommodate fittings and fixing the fittings in floors, soffits, jams including necessary fixtures, srews, sealent wherever required and SS cover over patch fittings. Rate shall include approved patch fitting locking systems, 1 pair of 12" long S. S. (C Shape) Handles of approved make, floor springs, and any necessary hardware items. The work should be completed as per specification, design and approval of Architect.				
J.	FULLY GLAZED PARTITION ENTRANCE - WITH TOUGHENED GLASS USING OZONE / HAFFLE / YALE / GODREJ MAKE FITTINGS	80	Sqft.		
	Providing and fixing of Fixed Glass partition with 10mm thick toughened glass using Standard fittings of above - mentioned makes at the top and grouting at the bottom with U - Shaped Aluminium rails and EPDM gaskets including cutting, making holes in glass and fixing the fittings in floors, false ceiling etc. and making the same good with necessary screw, sealent wherever required. The top fittings to be fitted to the Wooden section fixed in Brickwall. The work should be completed as per specification, design and approval of Architect.				
K.	TABLE				

SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	<p>Providing, fixing and fittings in position tables (6" projecting customer side) & 2'-6" ht. made out of 19 mm thk BWR block board for top, sides and front of approved make finished with 1.0 mm laminate as per design in all visible areas. The table will be supported on right side by a 1'-4" wide drawer unit consisting of one drawer and one filing drawer and foot rest on the other side. The front of the drawer unit will be made out of 19 mm thk. BWR block board, other sides made out of 12 mm thk BWR ply and 4" skirting throughout (Foot rest).</p> <p>All exposed surfaces are finished with 1.0 mm thk. Laminate of approved make & colour shade and inner surface will be 1 coat primer and 2 coat synthetic enamel paint. All exposed edge finished with white beach/teak wood moulding, lipping with melamine polished. Polishing will be of the same color as that of lamination i.e., of Cedar finish. The drawers and shutters to be provided with drawer sliding channels, S/S 4" long handles, s/s hinges, locks etc all necessary accessories. Wire manager for each (approved colour) will be provided, all complete.</p> <p>NOTE : First drawer at each work station must have shelves for segregating currency notes pens/staplers / stamps etc. Drawer at each workstation to divided in 2 equal parts by a horizontal partition and the front partition among these to be divided into 3 equal partitions by vertical partitions.</p>				
K.1	B.M.C. Table with Glass Top (3'-0" DEPTH X 2'-6" HT.)	3	RFT		
K.3	OFFICER/ C.M./ CREDIT DEPT./ FOREX & NPA/ SECRETARY/ CHIEF CONCERRENT AUDITOR TABLE (2'-6" DEPTH X 2'-6" HT.)	12	RFT		
K.4	Black powder coated key board tray with slide channel	20	NOS		
	<p>Providing and making a table of over all size of top as mentioned above. It shall consist of 19mm thk. BWR Ply top as per design (double edge on outer edge with 37mm x 10mm thk moulding with steam beach wood on the edges) supported on three boxes of size 24" x 6" made of 19mm thk. BWR Ply inter connected with boxing 4" x 6" (as approved by bank / architect). All external surfaces to be finished in 1mm laminate of approved shade (sude finish).The work should be completed as per specification, design and approval of Architect.</p>				
L.	CASH COUNTER				
	Providing and fixing the cash counters along with front partition all complete.				
	Providing and Fixing glass barrier in front of cash counter (above the the transaction top) made out of 12 mm thick				
L.1	Cash Table	12	RFT		
L.2	Glass Barrier (Front)	40	SFT		
L.3	Black powder coated ready made key board tray with slide channel	2	NOS		
N.	LOW HT. STORAGES (1'-6" DEPTH X 2'-6" HT.)	120	SFT		
	<p>Providing and fixing Low height Cabinet made out of made out of 19 mm BWR ply, 6 mm thk. Ply for back finished and 4" skirting throughout. Division of shutters shall be made equally according to the length of the storage. A 19 mm thk. Fixed BWR Ply shelf on battens shall be provided at 16" intervals from the base. All exposed surfaces are finished with 1.0 mm thk. Laminate of approved make & colour shade and inner surface finished with 1 coat primer and 2 coat synthetic enamel paint. All exposed edge finished with white beach/teak wood moulding, lipping with melamine polished. Polishing will be of the same color as that of lamination i.e., of Cedar finish. Cost of all fitting like s/s Hinges, locks, magnetic catches, tower bolt, "D" type Matt finish S.S. Handles and all necessary hardware shall be inclusive, all complete. As per drawing and instruction.</p>				
O.	FULL HT. STORAGES (1'-6" DEPTH X 7'-0" HT.)	140	Sq.ft.		
	<p>Providing and fixing Full height Cabinet made out of made out of 19 mm BWR ply, 6 mm thk. Ply for back finished and 4" skirting throughout. Division of shutters shall be made equally according to the length of the storage. A 19 mm thk. Fixed BWR Ply shelf on battens shall be provided at 16" intervals from the base. All exposed surfaces are finished with 1.0 mm thk. Laminate of approved make & colour shade and inner surface finished with 1 coat primer and 2 coat synthetic enamel paint. All exposed edge finished with white beach/teak wood moulding, lipping with melamine polished. Polishing will be of the same color as that of lamination i.e., of Cedar finish. Cost of all fitting like s/s Hinges, locks, magnetic catches, tower bolt, "D" type Matt finish S.S. Handles and all necessary hardware shall be inclusive, all complete. As per drawing and instruction.</p>				
	TOTAL INTERIOR FURNISHING WORKS				
IN WORDS :					

B.O.Q FOR ELECTRICAL WORK- UCO BANK , BANKURA					
SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
<p>All installations shall comply with the requirements of the Indian Electricity Rules, 1956, as amended from time to time and as per relevant clauses of National Electrical Code, 1985. Installations shall conform in all respects to Indian Standard Code of Practice for electrical wiring installation IS. 732-1963 and IS 2274-1963. It shall also be in conformity with the regulations and requirements of the Local Electric Supply Authority. Wherever these specifications call for a higher standard of materials and/ or workmanship than those required by any of the above regulations, this specification shall take precedence over the said regulations and workmanship not covered by the above shall confirm to the Indian standards, unless otherwise called for. Equipment shall be given tropical and fungicidal treatment as per IS – 3202.</p>					
A.	MAIN PANEL :				
A.1	Main incoming switch fuse unit supplying , fixing 100A TPN HRC type for main incoming on M/s angel iron frame with 2-Nos cable entry box including connection with both end copper socketing by crimping method	2	SET		
A.2	4x25 mm sq pvc insulated copper flexible wire from cut out to main incoming switch fuse unit including connection with both end copper socketing by crimping method with 2-Nos 10 swg copper earth lid from earth bar to main switch	100	RFT		
A.3	1 No 100 A. TPN. MCCB (main incoming)	2	NOS.		
A.4	1 No 63A 4-P MCB. For A.C. controlling MAKE LEGRAND	2	NOS.		
A.5	1 No 40 A. TPN. MCB for Branch controlling	2	NOS.		
A.6	1 No 25 A. TPN. MCB for Generator controlling	1	NOS.		
A.7	1 No 63A 4-P change over switch	1	NOS.		
A.8	1 No 100A 4-bar copper busbar Lighting	1	NOS.		
A.9	1 No 100A 4-bar copper busbar A.C Power	1	NOS.		
A.10	1 No 25A D.P. MCB. For volt controlling	1	NOS.		
A.11	1 No 40A D.P. MCB. For sign board	2	NOS.		
A.12	1 No 63A 4-P MCB for UPS	1	SET		
A.13	Phase indicating lamp & controls with wiring (15W lamp Red, yellow & Blue)	3	NOS.		
B.	SUPPLYING & LAYING OF CABLE				
	supplying & Laying of above cable with 2Nos 10 SWG.CU earth on wall/column including supply & fixing of M.S. clamps/galvanised bar saddles@ 300 mm apart, as required making holes and mending good damages				
B.1	Main Meter to Main panel 3.5 core 50 Sq.mm.	50	RFT		
B.2	Main panel to main switch 3.5 core 35 Sq.mm.	50	RFT		
B.3	Main panel to A.C.D.B. 4 core 25 Sq.mm.	50	RFT		
B.4	Main panel to TPN Lighting DB.4 core 16 Sq.mm.	50	RFT		
C.	CABLE GLAND AND FINISHING THE END				
	Supplying & fixing of compression type brass cable gland along with rubber rings for dust and moisture proof entry of following 1.1 KV grade aluminium conductor PVC insulated & PVC sheathed armoured cable and finishing the end by crimping method including supply and fixing of "Dowell" make solderless socket, tapes and jointing materials as required to be completed in all respect				
C.1	Main Meter to Main panel 3.5 core 50 Sq.mm.	2	Each		
C.2	Main panel to main switch 3.5 core 35 Sq.mm.	2	Each		
C.3	Main panel to A.C.D.B. 4 core 25 Sq.mm.	2	Each		
C.4	Main panel to TPN Lighting DB.4 core 16 Sq.mm.	2	Each		
	Supply, installation, testing and commissioning of following MCB Distribution Board in sheet steel enclosure with double door and suitable for mounting on wall by surface / chase cutting and flushed with finished level to the position shown in the Electrical Layout complete in all respect, mending good all damages to the original finish, painting interconnection, etc. as required. :-				

D.	A.C DISTRIBUTION BOARD (A.C.DB)				
	4 way TPN MCB DB complete with busbar and the following MCBs/RCB0 <u>Incoming:-</u> 1 no. : 415V 63 -A 4P MCB 10 KA <u>Outgoing :</u> 6 Nos 240V10-A SP MCB 6 Nos. 240V 20-A SP MCB 1 No. : Cable entry box	2	SET		
E.	LIGHTING DISTRIBUTION BOARD (L. DB)				
	4 way TPN MCB DB complete with busbar and the following MCBs/RCB0 <u>Incoming:-</u> 1 no. : 415V 100 -A 4P MCB 10 KA <u>Outgoing :</u> 6 Nos 240V10-A SP MCB 6 Nos. 240V 20-A SP MCB 1 No. : Cable entry box	1	SET		
F.	UPS DISTRIBUTION BOARD (UPS. DB)				
	Supplying & fixing UPS D.B. counsumar unit 2+8 way SPN 1no 32 A DP MCB 4nos 6 A-S.P.MCB 4nos 10A-S.P.MCB	1	SET		
G.	POINT WIRING :				
	Supply, laying, connection & testing of light, fan point, wiring by 2x1.5mmsq(2x3/.029) + 1x1mmsq PVC insulated copper flexible wire maintaining the colour code as per direction in PVC conduit of 20mm with ISI mark 1.5 pvc wall thk. to conceal in wall partition mending good the damage, complete with pvc circular box, bend to be done as per drawing including 3 point ceiling rose where ever required. GI saddle to be used for fixing, pvc conduit/ flexible pipe may use if required 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. Including the main circuit line 2x2.5mmsq+1x1.5mmsq earth PVC insulated Cu. Wire, maintaining the colour code. Circuit line for lighting switch board ,6 Amps plug board are to be drawn from lighting DB to Lighting board & 6A plug point board, 6/16 Amps plug point line are to be drawn from power DB. 3 Nos lighting board/ 03 Nos.6 Amps plug are to be connected from one circuit & 02 Nos. 6/16 plug to be connected from one circuit (Lighting S.Board height-32" from floor).				
G.1	Light Point - 1 Light point control by 01 switch.	25	NOS.		
G.2	light Point -2 Light point control by 01 switch.	12	Nos.		
G.3	Wall bracket fan point control by 01 switch with two pin socket in fan end	12	NOS.		
G.4	Exust fan point with controlling switch	2	NOS.		
G.5	Coll bell point wiring with 2x 1.5 Cupper flixible wire in PVC regid pipe wiring with coll bell & push	2	NOS.		
G.6	Socket point wiring with 6Ams 5pin socket with controlling switch on board	15	NOS.		
H.	POWER WIRING				
H.1	Supply, Laying of Circuit line2x2.5mmsq +1x 1mmsq VC insulated copper wire form LDB to 6/16A or 6 Amps Plug point. Also note that 03 Nos 06 amps Plug to be connected from one circuit line	300	RFT		
H.2	Providing & fixing Computer Plug Points with 4 Nos. 16 Amp sockets. & 4 Nos. 16 AMP Switch complete with all necessary accessories.	6	NOS.		
I.	UPS WIRING				
I.1	Supply laying of circuit line 2 x 2.5 Sq.mm + 1 x 1.5 Sq.mm MSCC PVC insulated wires drawn in 20 mm dia PVC conduit pipe with ISI mark from UPS DB to computer.	400	RFT		
I.2	Supply laying of circuit line 2 x 6 Sq.mm + 1 x 1.5 Sq.mm MSCC PVC insulated wire through suitable size PVC conduit pipe with ISI mark from main DB to UPS incoming power DP controlling MCB	300	RFT		
I.3	Supply laying of circuit line 2 x 6 Sq.mm + 1 x 1.5 Sq.mm MSCC PVC insulated wire trough suitable size PVC conduit pipe with ISI mark from UPS power controlling DP MCB to UPS outgoing DB	300	RFT		
J.	UPS CLUSTER POINT	6	NOS.		
	Supply fixing of 2x6 Amps 5 pin socket + 1x16 amps 6 pin socket in with controlling switch MS box front plate with inter connection complete each work station				
K.	TELEPHONE WIRING :				

K.1	Telephone Wiring : Supply & laying of 2 pair PVC insulated wire , 0.5 mm down through PVC conduit pipe	100	RFT		
K.2	Supply & fixing of telephone outlet RJ-111 socket with suitable mounting box with front plate	2	NOS.		
K.3	Supply & fixing of telephone Junction box 10 pair krone type housed in MS box with Lock & key.	2	NOS.		
L.	A/C. ELECTRIFICATION :-				
L.1	Supply laying & connection of A/C. line for 1.5/2TR split A/C with 2x6 + 1x4 mmsq through 16 SWG pvc conduit with ISI Mark.	300	RFT		
L.2	Supply, fixing of A/C. 18-25 Amps stator complete with 20 amps socket in modular type box for split unit at 4.5 Ft from floor.	6	UNIT		
M.	GLOW SIGN BOARD WIRING :-				
M.1	Out door type Glow Sign board wiring :-Supply, laying of main line with 2x2.5 +1x1.5 mmsq through pvc conduit from main panel to glow sign board.	100	RFT		
M.2	Supply installation of 16 amps DP mcb at main entrance Glow sign board complete with timer & contractor (2NO + 2NC). 24 Hrs in original housing.	1	SET		
N.	ELECTRICAL FIXTURES :				
	Item includes Providing , assembling , fixing , testing & commissioning following fixtures including all accessories , lamps & extension chords as maybe necessary complete. All LED / Fluorescent fixtures (except down lighters) to be hung from the RCC ceiling by 20 KG grade adjustable GI chain& in NON False ceiling area they are to be hung by appropriate down rods.				
N.1	Buzzer or calling of Bajaj / Anchor / National / Homa	2	Nos.		
N.2	2x2 ft (36 W)LED Light Fitting including supplying and fixing for recess mounting on false ceiling	22	unit		
N.3	6" DIA, LED (12 Watt.) Recess mounting circular Down light.	25	unit		
N.5	12 W Panel Light FOR CASH	4	Nos.		
N.6	Supply & Fixing of 4 ft Long led tube light (18W)	8	Nos.		
N.7	Supply & Fixing of 2 ft Long led tube light (12W)	2	Nos.		
N.8	Supply & Fixing 400 mm diameter Wall Mounting Fan	16	Nos.		
N.9	250mm dia wall mounted exhaust fan of decorative plastic body and blade with louvers on the outside (Newtek/Cromton/Approved Equivalent)	3	Nos.		
O.	EARTHING STATION :				
O.1	Spike earthing with G.I. electrode 3 mts. Longx 50 mm dia (Class-B) including accessories & providing masonry enclosure with cover 300x300 mm plate having locking arrangement & watering funnel etc. with charcoal, sand & salt at alternate layer as required for & for main electrical panel earthing.	1	NOS.		
O.2	UPS earthing with 600x600 x3mm copper electrode with 25X3 mm copper flat connected from electrode to earth bus 3 mts. Depth from ground level 50 mm dia perforated G.I. pipe 3mtr Long for watering including accessories & providing masonry enclosure with cover 300x300 mm plate having locking arrangement & watering funnel etc. with charcoal, sand & salt at alternate layer as required for UPS earthing	1	NOS.		
O.3	Supply laying 6sq mm pvc insulated copper flexible wire in pvc conduit pipe from earth pit to ups earth bus,	70	RFT		
O.4	Laying earth 25X3mm copper flat from earth pit to earth bus with saddelling	70	RFT		
O.5	Making earth bus 25X3mm X200mm length copper earth bus with insulator	2	NOS.		
	TOTAL ELECTRICAL WORKS OF BRANCH				

IN WORDS :

B.O.Q FOR INTERIOR FURNISHING WORK OF ATM- UCO BANK, BANKURA					
SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
A.	False Ceiling - Gypsum Board:	40	Sq.ft.		
	Providing & Fixing suspended gypsum false ceiling, which includes providing and fixing G.I. Perimeter channels of size 0.55mm thick having one flange of 20mm and another flange of 30mm & a web of 27mm along with perimeter of ceiling screws fixed to brick wall / partition with the help of nylon sleeves and screws at 600mm centers then suspending G.I. Intermediate channels of size 45mm X 0.9mm thick with 2 flanges of 15mm each from the soffit at 1220mm centers with ceiling angle of width 25 X 10mm X 0.55mm thick fixed to soffit with G.I. & steel expansion fastners only, "Fastners" shall be used for ceiling supports. Ceiling section of 0.55mm thickness having knurled verb of 51.5mm & two flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clips & in direction perpendicular to the intermediate channel at 457mm centers. 12.5mm tapered edge gyp board (Conforming to IS-2095-1982) is then screws fixed to ceiling to ceiling section with 25mm dry wait at 230mm centers, additional supports for AC grill shall be fixed as per instructions and AC Plan / Section / Layout. Screw fixing is done mechanically either with screw driver of drilling machine with suitable attachment. The boards are to be jointed and finish so as having a flush look, which includes filling and finishing the tapered and square edges of the boards with jointing compound, paper tape & two coats of primer suitable for Gyp board. Note :- For light fittings, grills diffusers and cutouts, speakers, fire detectors etc. have to be made with the frame of perimeter channels of size 20 X 27 X 30mm X 0.545mm thick, supported suitably as per direction of Architect, Electric or A.C. Consultants & shown as per detail drawing without additional payments. Entire false ceiling shall be finish with 3 coats of ICI. Plastic emulsion paint with necessary scraping, putty, leveling & smooth finish with scaffolding, cleaning etc. Note:-Area of the False Ceiling will be measured in plan i.e. wall to wall. If Any Existing false ceiling should be removed along with debris out of compound without any extra charge.				
	Supply & Erecting Solid Partition FULL HT. as per drawing & conforming to the following specification:				
	Providing and fixing Full height Cabinet made out of made out of 19 mm BWR ply, 6 mm thk. Ply for back finished and 4"				
D.	DOOR				
	Providing and fixing solid core flush door of 38 mm thk. Finished with 1 mm thk. approved colour laminate . A wooden				
D.1	Flush door -(D2) - 2'-6" x 6'-6"	1	Nos.		
D.2	MAIN ENTRANCE DOOR CUM FIXED GLAZING with sticker design bank's name,logo,eatching,band etc				
	a) Openable Portion	21	Sq.ft.		
	b) Fixed Portion	35	Sq.ft.		
	Providing & fixing fully glazed pivoted door at the main entrance consists of 6"x2" c.p.t. wood frame for top rail and 4"x2" c.p.t. wood frame for bottom rail finished with 1.0 mm thk laminate, sides with 1" X 1" c.p.t.wood mouldings of approved design. 12mm thk. toughened glass & finish handle (1'-0" long- both inside & outside) to be fixed on both sides & proper locking arrangement in bottom rail to be done. The rate should include lipping, moulding, beading, sticker design bank`s name, logo, Pull & Push Plate, & heavy duty floor spring of approved make. The work to be completed as per drawing and instruction.				
F.	ACP PANELING	40	Sq.ft.		
	Supplying , fabricating and installing Aluminium Composite Panel (as per approved colours) Cladding to walls and door , comprising of 4mm thick (0.5 mm + 3 mm + 0.5 mm) approved brand acp material with back Al frame work in 0 level with joints and sizes as per front elevation working drawing. All complete with approved aluminium sub structure, aluminium brackets ,silicon sealants(all the joints shall in 5 mm grooves filled up with black silicon sealant), gaskets , PVDF coating etc. all compete including bird / vermin proof closer at the bottom and flashing.				
G.	Display Boards for Bank's Advertisement	1	Nos.		
	Providing & fixing in position fameless double Acrylic transparent sheets 2'-6" x 1'-6" mounted with studs on the wall (poster to be sandwiched in between) for display of Bank's advertisement inserted on it. Outer sheet is 5 mm thick and beveled crystal edge polished for ¾" at 8-10 degrees on all sides in the front. Rear sheet is 5 mm thick flat. Rate inclusive of S1 grade aluminium.				
H.	TRAP DOOR & BOXING FOR ROLLING SHUTTERS	50	Sq.ft.		
	Providing and fixing trap doors consisting of 1/4" thk. Marine ply shutters with a clear opening of 4.5" opening for smooth operation of shutters and rest is closed with mirror screws (for opening for servicing). The shutters shall be finished with approved 2.0 mm Aluminium composite sheet, frame of 2" x 1 ½" teak wood sections shall be provided for proper supprot and strength. Rate shall be inclusive of necessary fittings like hinges, ball catches, tower bolts, etc. Complete as per the instructions of Architect.				
I.	FROST FILM / ETCHING FILM OVER GLASS	50	SFT		
	Providing and fixing etching film as directed by Bank/ Architect of glass, to proper level, with out air bubbles / cuts / folds etc. complete.				
	TOTAL INTERIOR FURNISHING WORKS OF ATM				
IN WORDS :					

B.O.Q FOR ELECTRICAL WORK OF ATM-UCO BANK , BANKURA BRANCH					
SR.NO	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
All installations shall comply with the requirements of the Indian Electricity Rules, 1956, as amended from time to time and as per relevant clauses of National Electrical Code, 1985. Installations shall conform in all respects to Indian Standard Code of Practice for electrical wiring installation IS. 732-1963 and IS 2274-1963. It shall also be in conformity with the regulations and requirements of the Local Electric Supply Authority. Wherever these specifications call for a higher standard of materials and/ or workmanship than those required by any of the above regulations, this specification shall take precedence over the said regulations and workmanship not covered by the above shall confirm to the Indian standards, unless otherwise called for. Equipment shall be given tropical and fungicidal treatment as per IS – 3202.					
A.1	Main incoming switch fuse unit supplying , fixing 63-A TPN MCB for main incoming on M/s angel iron frame with 2-Nos cable entry box including connection with both end copper socketing by crimping method	1	SET		
A.2	Supplying and fixing 5 to 20-A range 3ph 4 wire KWH Meter in ATM including fitting fixing connection with all accessories	1	Each		
B.	SUPPLYING & LAYING OF CABLE				
	supplying & Laying of above cable with 2Nos 10 SWG,CU earth on wall/column including supply & fixing of M.S. clamps/galvanised bar saddles@ 300 mm apart, as required making holes and mending good damages				
B.1	Main panel to TPN ATM DB.4 core 16 Sq.mm.	15	RMT		
C.	CABLE GLAND AND FINISHING THE END				
	Supplying & fixing of compression type brass cable gland along with rubber rings for dust and moisture proof entry of following 1.1 KV grade aluminium conductor PVC insulated & PVC sheathed armoured cable and finishing the end by crimping method including supply and fixing of "Dowell" make solderless socket, tapes and jointing materials as required to be completed in all respect				
C.1	Main panel to TPN ATM DB.4 core 16 Sq.mm.	1	Each		
	Supply, installation, testing and commissioning of following MCB Distribution Board in sheet steel enclosure with double door and suitable for mounting on wall by surface / chase cutting and flushed with finished level to the position shown in the Electrical Layout complete in all respect, mending good all damages to the original finish, painting interconnection, etc. as required. :-				
D.	A.C DISTRIBUTION BOARD (A.C.DB)				
	4 way TPN MCB DB complete with busbar and the following MCBs/RCBO Incoming:- 1 no. : 415V 63 -A 4P MCB 10 KA Outgoing : 6 Nos 240V10-A SP MCB 6 Nos. 240V 20-A SP MCB 1 No. : Cable entry box	1	SET		
E.	POINT WIRING :				
	Supply,laying, connection & testing of light, fan point, wiring by 2x1.5mmsq(2x3/.029) + 1x1mmsq PVC insulated copper flexible wire maintaining the colour code as per direction in PVC conduit of 20mm with ISI mark 1.5 pvc wall thk. to conceal in wall partition mending good the damage, complete with pvc circular box, bend to be done as per drawing including 3 point ceiling rose where ever required. GI saddle to be used for fixing, pvc conduit/ flexible pipe may use if required 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 . Including the main circuit line 2x2.5mmsq+1x1.5mmsq earth PVC insulated Cu. Wire,maintaining the colour code. Circuit line for lighting switch board ,6Amps plug board are to be drawn from lighting DB to Lighting board & 6A plug point board, 6/16 Amps plug point line are to be drawn from power DB. 3Nos lighting board/ 03 Nos.6Amps plug are to be connected from one circuit & 02 Nos. 6/16 plug to be connected from one circuit (Lighting S.Board height-32" from floor).				
E.1	One light Point controlled by a 6A switch	2	Nos.		
E.2	light Point -2 Light point control by 01 switch.	2	Nos.		
F.	POWER WIRING :				
F.1	Socket point wiring with 6 amps 5 pin with controlling switch on board	2	Nos.		
F.2	Providing & fixing ATM MACHINE Points with 4 Nos. 16 Amp sockets. & 4 Nos. 16 AMP Switch complete with all necessary accessories.	2	No.		
F.3	Supply, Laying of Circuit line2x2.5mmsq +1x 1mmsq VC insulated copper wire form LDB to 6/16A or 6Amps Plug point. Also note that 03 Nos 06 amps Plug to be connected from one circuit line	80	R.ft.		
G.	UPS WIRING :				
G.1	Supply fixing & connection of UPS circuit line with 2x2.5+1x1.5mmsq through pvc conduit 20mmdia 16 SWG wall thickness, with ISI mark, to lay from UPS MCB DB to plug point board. Two nos separate circuit to be drawn.	40	R.ft.		
G.2	Providing & fixing Raw Power Point includes 2x6/16, 6pin socket with 2nos.16A switch to provide behind ATM at 12" ht. from FFL.to be connected from UPS power.	2	Nos.		
H.	A/C. ELECTRIFICATION :				
H.1	Supply laying & connection of A/C. line for 1.0 TR A/C. window / split with 2x4 + 1x2.5 mmsq through 16 SWG pvc conduit with ISI Mark.	40	R.ft.		
H.2	Supply, fixing of A/C. 11-18 Amps stator complete with 20 amps socket in modular type box for split / window unit at 4.5 Ft from floor.	1	unit		
I.	ELECTRICAL FIXTURES :				
	Item includes Providing , assembling , fixing , testing & commissioning following fixtures including all accessories , lamps & extension chords as maybe necessary complete.All CFL / Fluroscent fixtures (except down lighters) to be hung from the RCC ceiling by 20 KG grade adjustable GI chain & in NON False ceiling area they are to be hung by appropriate down rods.Work to be done as per drawing and instruction of the architect.(Including material, labour charges.Complete in all respect.)				

I.1	2x2 ft (36 W)LED Light Fitting including supplying and fixing for recess mounting on false ceiling	1	unit		
I.2	6" DIA, LED (12 Watt.) Recess mounting circular Down light.	4	unit		
I.3	Supply & Fixing of 4 ft Long led tube light (18W)	1	Nos.		
J.	GLOW SIGN BOARD WIRING :-				
J.1	Out door type Glow Sign board wiring :-Supply, laying of main line with 2x2.5 +1x1.5 mmsq through pvc conduite from main panel to glow sign board.	50	R.ft.		
J.2	Supply installation of 16 amps DP mcb at main entrance Glow sign board complete with timer & contractor (2NO + 2NC). 24 Hrs in orginal housing.	1	Set		
K.	EARTHING STATION :				
Earthing : Supply, Erection, Testing & Commissioning of 'Ashlok' Pipe earth station and Chemical compound bag, complete with civil works, etc. as per specs in accordance with latest IS-3043. Earthing conductors : Supply & laying of equipment earthing using following sizes of conductors/tapes including all accessories to erect/lay the conductor & as per specifications.					
K.1	Spike earthing with G.I. electrode 3 mts. Longx 50 mm dia (Class-B) including acessaries & providing masonary enclosure with cover 300x300 mm plate having locking arrangement & watering funnel etc. with charcoal, sand & salt at alternate layer as required for ATM earthing.	1	No.		
K.2	Supply laying 6sq mm pvc insulated copper flexible wire in pvc conduit pipe from earth pit to ups earth bus,	50	RFT		
K.3	Laying earth 25X3mm copper flat from earth pit to earth bus with saddelling	50	RFT		
K.4	Making earth bus 25X3mm X200mm length copper earth bus with insulator	1	Nos		
	TOTAL ELECTRICAL WORKS OF ATM				
IN WORDS :					

B.O.Q FOR DATA CABLING WORK - UCO BANK, BANKURA					
SR. NO.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	9 u rack Digi Link / Lucent/ HCL co. make supply & installation type Cat 6 PDU - box 1 no., Fan set complete unit.	2	Unit		
2	Digi Link / Lucent/ HCL make Patch panel Unit Supply and Installation of Cat 6, 24 ports Gigabit 10/100/1000 Rack mountable Unmanged Switch	2	Unit		
3	Digi Link / Lucent/ HCL make Patch Cord Cat 6 face plate - 2 port including mounting box for each workstation.	15	Nos.		
4	Supply & Laying of Cat 6 cables 4 Core through pr-laid rigid PVC conduit from server to computer data socket including interconnection mending good, etc. as required (Digi Link / Lucent/ HCL make)	600	R.ft.		
5	Digi Link / Lucent/ HCL make Single Ported RJ 45 IO BOX	15	Nos.		
6	Supply & fixing of 1 mtr patch cord	15	Nos.		
	TOTAL DATA CABLING WORKS				
IN WORDS:					

B.O.Q FOR UCO BANK ,BANKURA BRANCH		
ARCHI SPACE CONSULTANT		
<u>SUMMARY</u>		
SL. NO.	DESCRIPTION	AMOUNT (Rs.)
1	CIVIL WORK	
2	INTERIOR FURNISHING WORK	
3	ELECTRICAL WORKS	
4	INTERIOR -ATM	
5	ELECTRICAL WORKS-ATM	
6	DATA CABLING	
	GRAND TOTAL (1 to 6)	
IN WORDS-		

Note:

Cost including all material, labour and Transport charges etc. all complete. The work to be completed as per design, specification and approval of the Bank/Architect.

UCO BANK- BANKURA UNIVERSITY CAMPUS

LIST OF APPROVED MATERIALS FOR INTERIOR FURNISHING WORK

Sl.No.	Items	Approved make
1	False Ceiling	Armstrong / India Gypsum
2	Wood Frame Work / Wood Section	Malaysian Sal
3	Wood Skirting / Moulding / Lipping / Bidding	White Beach/ White Cedar
4	Door frame	Teak wood / Sal Wood
5	BWR Ply / Block board with ISI mark	Sylvan / Satabdi / Avenger / Archidply / Alishan
6	Flush Door	Sylvan / Satabdi / Avenger / Archidply / Alishan
7	Laminate (1.0 mm thk.)	Sunmica / Euromica / Merino / Airolam
8	Door Closure (Heavy Duty)	Godrej / Archi / Sterling (DC 2000)
9	Floor Spring (Heavy Duty)	Godrej / Archi / Sterling (FS 3000)
10	Door Lock (Dead)	Godrej / Hafele /Hettich / Kich /Doorset / 4C Acme (ML – REG – SS)
11	Door Handles ('H' Shape)	Godrej / Hafele /Hettich / Kich /Doorset / 4C Acme (PHG – HSS)
12	Drawer / Storage Handle (4"/ 6")	Kich /Neki / Hassley/EGL (HMS –B – 9122 / 9123)
13	Drawer / Storage Lock (Multipurpose)	Ebco / Hafele /Hettich / Doorset / Godrej / Kombo (502)
14	Screws	GKW / Nettle fold
15	Hinges	CIEF
16	Sliding Telescopic Drawer Channel	Ebco / Kombo
17	Key Board Tray (Metal)	Ebco / Innofitt Systems (KD 510. M)
18	Cable Organiser	Ebco / Innofitt Systems (CM 63.C)
19	Adhesive	Fevicol SH / Fevimate TL
20	Aluminium Door Frame	Jindal
21	Soft Board	Jolly Board
22	Vertical Blinds	Mac / Annums / Window Fashion
23	Glass	Modi /Ashai / Saint Gobain
24	A.C.P	Alu Decor / Alu Bond / Alstone/ Wonder Alu board Accura
25	Ceramic Tiles	Orientbell/Kajaria/ Somany/ Jhonson
26	Vitrified Tiles	Orientbell/Kajaria/ Somany/ Jhonson
27	Paints	(Synthetic Enamel / Acrylic Emulsion) Asain Paints (Colour World) / Berger (Colour Bank)
28	SANITARY FIXTURES & FITTINGS	JOHNSON/ CERA/ JAGUAR
29	All other items not covered above	As per sample approved by Bank/ Architect

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LIST OF APPROVED MATERIALS FOR ELECTRICAL WORK

Sl.NO	Items	Approved make
1	MS pipe ISI mark. 16 Swg	BEC / NIC
2	MS fittings.	BEC / NIC
3	Wire PVC insulated copper flexible wire.	Finolex/Havells/Gerard/ MESCAB
4	A.C. stator.	North west / Havells
5	Switch, socket modular plate.	Crabtree(Sapphire)/MDS/Anchore AVE/Indoasian
6	Armoured cable.	Nicco/Glostair/KDK/Havells.
7	Telephone Socket RJ -11.	Crabtree/MDS
8	MCB, DB.	MDS/Havells/L&T Hagger/ Indoasian
9	Telephone cable (0.51mmsq).	Netco/Delton.
10	Light fittings.	Wipro/Philips/Crompton/ MESCAB
11	Lugs.	Dowells.
12	Terminals Connector.	ESSEN
13	Exhaust fan.	GEC/ EPC.
14	Ceiling Fan/wall mounted fan.	Orient / Crompton / Havells
15	SFU/SPN/TPN S.M. housing /Open execution front handle.	Havells/ L&T/ Semeins.
16	Telephone connector.	KORN type.
17	Volt Meter / Amps Meter. 96x96 mm.	AE / L&T.
18	Current transformer.	Kuppa / L&T.
19	Selector switch.	Kaycee.
20	Sliding fuse / DZ fuse.	Bharat Lender/ BCH.
21	PVC tape.	Steel grip/ Anchore.
22	Join Box. 6"x4" MS box Heavy type.	Joiti make.
23	Bearer Call Bell.	Max / Homa.
24	Cable Gland Brass make.	Arun (heavy type).
25	Speaker.	Philips / Bosh.
26	LED indicator. 20 dia. (Bright type).	Mikadov / L&T/ MDS.
27	CD player.	Philips / Sony.
28	Amplifier	Philips / Sony.
29	Speaker wire.	Finolex.
30	PL /TL lamp.	Philips.
31	PVC flexible Pipe.	Hunuman.
32	Smoke / heat Detector.	Appolo / Dats.
33	Manual call point.	Minimax/Dats.
34	Security Alarm Hooter.	Philips/Dats.
35	Cat -6 cable	Digi Link / Lucent/ HCL.
36	RJ - 45 socket.	Digi Link / Lucent/ HCL.
37	Patch panel	Digi Link / Lucent/ HCL.
38	HUB.	Digi Link / Lucent/ HCL.
39	PVC Rigid pipe. MMS.	Precession / AKG / Pesto
40	AC UNIT	Mitsubishi/Daikin/ Samsung/ Hitachi/ Blue Star
41	All other items not covered above	As per sample approved by Bank/ Architect