

UCO BANK
ZONAL OFFICE - BURDWAN

**Vendors enlisted by our Zone for Composte work may
apply**

**PROPOSED INTERNAL FURNISHING & ELECTRICAL WORKS
(COMPOSITE)
FOR RAILPAR BRANCH WITH ATM**

Date of submission of Tender : 17.12.2015 at 5.00 pm

Date of opening of Tender : 18.12.2015 at 12.00 pm

Name of the Tenderer :

Address :

Architectural Consultant :-

Sanjoy Paul and Associates.

House no- 40,1st Avenue,
Sepco Township, Durgapur-713205

1965architectsanjoy@gmail.com

Mob: 9333921690

UCO BANK
ZONAL OFFICE - BURDWAN

**PROPOSED INTERNAL ELECTRICAL WORKS
FOR RAILPAR BRANCH WITH ATM**

CONDITIONS OF TENDERING

- 1 Notice inviting tendering
- 2 Tender form
- 3 General Conditions Of Contract
- 4 Schedule of Quantities and Specifications

When the work is awarded and the letter of intent issued, these documents shall become an integral part.

- 1a Attested copies of upto date Contractor's Trade License, Income Tax, Value added tax, Professional tax clearance certificates, Service tax certificate will also have to be submitted along with the Tender, without which the tender will be considered as incomplete and liable to rejection. **Contractor has to submit latest valid electrical license certificate issued by WBSEB, CESC or any Govt. authority.**
- b. The **tender shall remain valid for three months** from the date of opening of the tender.
- c. The tender is to quote his rate in ink in both English figures and in English word.
- d. All corrections in the tender should be initiated by the tender before submission of the tender.
- e. Each page of the tender documents must be signed by the tenderer .All rates and prices quoted shall be in ink only.
- f. Canvassing in any form is strictly prohibited and any tenderer found to have resorted to canvassing should be liable to have his tender rejection summarily.
- g. 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.
- h. **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. ***Maximum time permitted is 30 calendar days from the date of issuing Work Order. If the work is not completed within the stipulated period of time an amount of Rs 1000=00(Rupees one thousand five hundred only) to be deducted for each 2 days of delay.***

Zonal Manager

**UCO BANK
ZONAL OFFICE - BURDWAN**

**PROPOSED INTERNAL ELECTRICAL WORKS
FOR RAILPAR BRANCH WITH ATM**

TENDER NOTICE NO. :- UCO –ZO-BDN/ Tender / Int.Electrical / RAILPAR BRANCH /11-15
Dated : 11-12-15

DETAILED NOTICE INVITING TENDERS

1. Sealed tenders in the prescribed form are invited by the **ZONAL MANAGER ZONAL OFFICE, BURDWAN**, from the **enlisted Electrical Contractors of UCO Bank ,Burdwan Region** on item rate basis for **PROPOSED INTERNAL ELECTRICAL WORKS OF RAILPAR BRANCH AT GROUND FLOOR.**
2. Tender documents with all relevant papers (**prepared by M/s Sanjoy Paul and Associates**, address enclosed in the drawing, who are the **Consultant** of this Project) consisting of this Notice, Conditions of Tendering, Tender Form, General Conditions of Contract, Scheduled of Quantities and Specifications.
3. Tender Documents for the work can be purchased from the Zonal office on payment of **Rs. 500/- (Rupees Five hundred only)** per set on any weekday on or from **11-12-2015 to 17-12-2015** between 11 a.m to 5 p.m. The amount is to be paid through DD.
4. Tenders should always be placed in sealed covers with the name of work written on the envelope shall be received upto **5.00 p.m** on **17-12-2015** at the office of **The Zonal Head, Zonal office, Burdwan** and will be opened **on 18-12-2015 at 12.00 p.m.** at the above office in presence of attending tenders or their authorized representative (not more than two at a time). Tender Documents will not be issued on the date fixed for the opening of the Tender and Tender documents will not be issued by post.
5. The Bank does not bind itself to accept the lowest tender 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. EMD – 2% of the tender amount.

Zonal Manager

TENDER FORM

TO

Tender Notice No. : -----

Date -----

Name of work : **PROPOSED INTERNAL ELECTRICAL WORKS
FOR RAILPAR BRANCH WITH E-LOBBY**

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 thereof 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 **30 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.

Dated

Witness

Signature of Tenderer

Name

Name

Address

Address

GENERAL CONDITIONS OF CONTRACT.

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 thereafter as the architect may consider necessary (which approval may at any time be withdrawn) is to be constantly on the works and shall give his 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 in and about the execution of the only such persons as are careful skilled and experienced in their trade and calling and the Architect's shall be at liberty to object to and require the contractor to remove from the site any person employed by the contractor in or about 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 tender as to the nature of the site, the quantities of the nature of the work and materials necessary for the completion of the works and in general shall obtain all necessary information's like risks contingencies which may influence or effect his tender.
4. Rate quoted shall cover in all the items like transport, octroi, value added tax, incidental Charges, duties, ,any other statutory govt. 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.

The contractor has to arrange photo passes in prescribed Proforma for the man 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.

Contractor labour (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 to the labourers for the execution of the work.

- 5 If the contractor fails to pay legal dues to labour or any workmen, 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.
6. Work has to be carried out at the site without affecting the normal activities of the Bank . The contractor will be responsible for any damage caused during the period of

work and has to pay damage.

7. **Payment upon the Architect's Certificates** be made by **UCO Bank** to the contractor after such certificate has been delivered to the Regional Manager.
8. If the contractor does not complete the work within the stipulated time, the contractor Rs 1000=00 for each 2 days of delay.
9. Material and workmanship shall confirm to relevant ISI specification. Contractor has to follow the instruction of the Architect or this authorized representatives during the period of work.
10. The quantities given in the schedule are 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.
11. MAXIMUM time to complete is 30 Calendar days from the date of issue of work order.
12. The contractor will get the bill amount after completion of work only.
No advance money will be given prior to the start of work. or dumping materials at site.
13. The contractor has to clear all the materials, tools, tackles, scaffoldings etc. after completion of work without any extra charge.
14. 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 expect as aforesaid) and against all claims, demands, proceeding costs, charges and expenses in respect thereof or in relation thereto.
15. **Contractor has to submit the Earthing Report Test and other Electrical Audit report certificate of the branch along with the final Electrical Circuit Diagram during the submission of final bill, to be issued by an Electrical Engineer having valid Electrical license of WBSEB / CESC /or any Govt. authority, without any extra charge. Without submission of these reports no payment will be made.**
16. **Escalation in price up to 5-10% may be allowed.**

SIGNATURE OF TENDERER

LIST OF APPROVED BRAND AND/ OR MANUFACTURE OF MATERIALS FOR UCO BANK

MCCB / MCB / MCI	LEGRAND /HAVELLS / WIPRO N-W/MDS / ABB/ L&T
SWITCHES PLUGS	WIPRO N-W/ABB, CRABTREE /L&T/ LEGRAND
MAIN SWITCH	CRABTREE /L&T/ ABB/ ANCHOR
DATA CABLE	LUCENT / D-LINK
VOICE CABLE	LUCENT / D-LINK
ELECTRICAL FIXTURES	PHILIPS / WIPRO
ELECTRICAL WIRING	HAVELLS,FINOLEX,KEI
PVC PIPE & ACCESSORIES (MEDIUM)	POLYCAB / AKG / HARSH
CABLE	POLYCAB / FINOLEX / RR
CABLE SOCKET	DOWELL'S / 3D
MCB DB BOX	WIPRO N-W/MDS / ABB/ L&T
CHANGE OVER SWITCH	HPL / HAVELL'S
MODULAR ACCESSRIES	PHILIPS / WIPRO N-W / L&T
SMOKE DETECTOR	HONEYWELL / JHONSON / SIEMENS

ARCHITECT		UCO BANK RAILPAR BRANCH			
SANJOY PAUL & ASSOCIATES					
SCHEDULE OF SPECIFICATIONS AND QUANTITIES FOR INTERNAL FURNISHING WORKS OF RAILPAR BRANCH WITH ATM -- UCO BANK					
	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1 .	PARTITION				
	Providing and fixing partition in position as per design with 2"x 1 1/2" sal wood finished section frame work @ 2'-0" c/c both ways screwed to the floor and ceiling with M.S. Cleats and to be treated with anti termite oil. The measurement will be taken up to the false ceiling visible height in case of full height partition. The frame work will be clad with 6mm thk. BWP and termiteproof plywood both side and to be finished with approved 1.0 mm laminate as per design with approved band adhesive, extra frame work to be fixed for fixing glass. in the glazed partition 12 mm thk. Modiguard/Saint Gobain clear float glass with Etching/ sand blusting/ granular blasting to be provided duly fixed with white beach/white ceader lipping 50 mm x 25 mm all complete duly				
	reddish brown/ rose wood colour polish with melamine finish. The work should be completed as per specification, design & approval of the Architect. For the door 32 mm solid core bwp Flush door with a frame work of white beach/ white ceader size 75 mm x 62.5 mm with necessary hold fast fixed to the wall/partition, finished with 1.0 mm laminate and lipping in all sides and 1.5" x 1.5" white beach/ white ceader wooden moulding to be provided along the periferi of the door frame. supplying and fixing door accessories as door closure, brass hinges, Cylindrical / Night latch locks and s.s handle. (Laminated skirting of 4" ht. as per approved colour to be placed all around the partition)				
2.A.	Partly glazed partition				
a	PARTLY GLAZED PARTITION UPTO 4' ht	70	sft		
b	PARTLY GLAZED PARTITION UPTO 5'-6" ht with door for MANAGERS CABIN	120	sft		
c	Partly glazed partition upto 5'-6" ht for CASH CABINS	85	sft		
d	BLOCK PARTITION . Upto 7' ht with doors	170	sft		
e	wicket gate	12	sft		
f	12 mm th.. TOUGHEND GLASS at cash counter at front with 3"dia central gap for communication and 2.5" gap throughout at the bottom of the glass .	15.00	sft		

2	Main Entrance Door				
	Providing and fixing glass door -1 way -5' x 7' for main entrance. .A white beach wood frame size-6" x 2" as top and bottom rail with a decorative handle of 600 mm of approved brand, floor spring , locks, etc all complete. 12 mm thk. etched glass and UCO Bank logo to be provided and edge should be machine beveled polished. the work to be completed as per design and specification of the architect all complete. the wooden portion to be duly melamine polished.	35	sft		
	TABLE				
3	Providing and fixing tables made out of 18 mmth. blockboard of approved make cladded with 1.0mm laminate (color with vertical grain) as per design in all visible areas. All the exposed edges to be covered with wooden lippings and mouldings to be reddish brown or rosewood colour polish with melamine finish. The drawers are to be made out of 18 mm thk. plywood duly 1.0 thk.				
	laminated in the front, sides to be made out of 18 mm blockboard and bottom to be made out of 6 mm BWP and termiteproof plywood and it should play in drawer telescopic sliding channels. The inside of the drawer and the table to be duly polished. A legrest to be provided duly polished made out of 18mm thk.blockboard. A shutter to be made by 18mm th. blockboard cladded with 1.0mm laminate. The necessary locks handles to be provided in each drawers and shutters. The table should have key board tray and ups trolley. The necessary wire managers to be provided on the tables and provision for lights to be kept in the front of the table. CPU to be fixed with the table at the bottom and it should not be placed on the floor or on the trolley.				
	The work to be completed as per design and approval of the Architect. 12 mm th. clear glass on top of branch manager table				
a	Branch Manager (6' x 2'-6) -- 1 no	15	sft		
b	Officers table ---				
c	Printer table --- 4' x 2'-6" ---1 no	10	sft		
4	Cash / Open Counter				
	Providing and fixing top, front & side of cash counter made out of 18 mm BWP and termite proof blockboard as per design cladded with 1.0 mm thk. Laminated on side and front & the edges to be finished with necessary white beach or white ceader lippings, mouldings, etc. Special 6" drawer to be made for the cash with dividers of 12 mm plywood. the front of the drawer made out of 18mm blockboard finished with 1.0 mm laminate, sides 12 mm th. plywood and bottom to be made of 6 mm plywood. the inside and sides of the drawer to be duly polished. The drawers and shutters to be provided with necessary drawer sliding channels, hinges, locks etc.				
	A leg rest to be provided made out of 18 mm thk. blockboard duly polished. Inside of the unit to be polished in the matching tone. All visible areas to be covered with beach or ceader lippings, mouldings with reddish brown colour polish. Wire manager, CPU trolley, keyboard tray to be provided. 4" ht. laminated skirting to be provided in all visible ares and 12 mm thk. x 18" wide Plain Glass to be provided at counter top customer face horizontally at 3'-9" lvl. The work should be completed as per specification. Cash counter --- 5 rft	5	rft		
a	Open counter -- 12 rft (spec. same as above).	12	rft		
b					

5	Side Units : Low ht. Cabinet				
	<p>Providing and fixing Side Unit/Back Unit made out of 18 mm th. blockboard finished with 1.0mm laminate in all exposed areas. The drawers to be made out of 18 mm blockboard in the front cladded with 1.0 mm laminate, side to be made out of 12 mm plywood and bottom made out of 6mm plywood duly painted in matching tone and it should play on drawer sliding channels. The shutters to be made out of 18mm blockboard and should play on drawer sliding castors on powder coated channels. The necessary locks, handles, etc to be provided. 4" laminated skirting to be provided all along the visible areas. Inside of the unit to be enamel painted in matching tone. All the exposed edges of the boards/plywoods to be covered with wooden lippings/mouldings duly polished all complete. The work to be completed as per approval and specification of the Architect.</p> <p>(9') x 3'ht + (3'-3" x 1no) x 2'-6"ht. -- low ht.</p>	35.12	sft		
6	Standing Writing Ledge				
	<p>Providing and fixing writing ledge with 10" wide as per design made out 18mm blockboard with necessary groove patterns 1.0mm laminate (color, vertical grain) to be cladded. 12 mm thk. machine polished glass to be provided on top of the writing ledge. Small boxes to be made out of 18 mm th. blockboard to be made on top of the writing ledge finished with 1.0 mm laminate , inside enamel painted. The ledge finished with 1.0mm laminate, inside enamel painted. The work to be completed as per design and approval of the Architect. - 9' x 1 no</p>	9	rft		
7	Vertical Blinds				
	<p>Providing and fixing roller blinds of approvaed shade. The rate shall include necessary scoch guard treatment on both side. The work to be completed as par specification and approval of the Architect.</p>	120	sft		
8	Synthetic Door Mat				
	<p>Providing and fixing synthetic door mat 6 mm thk. As per approval of the Architect.</p>	6	sft		
9	Notice board				
	<p>Providing and fixing soft board with necessary frame work with 12 mm bwr plywood on top jolly board to be fixed finished with fabric @ Rs. 100, with necessary moulding duly polished along the periphery.</p>	24	sft		
10	Complain and Cheque drop box				
	<p>Providing & fixing Sal wood frame, fixing of 12 mm plywood with 1 mm thk. laminate finish, openable shutter for outside area. 8"wide x 18" length x 15"ht x 2 nos</p>	4	sft		
11	Wall panelling-				
	<p>Providing and fixing partition for wall and column paneling as per design with 2" x 1.5" sal wood frame work fixed to the column and wall. The frame work will be cladded with 6 mm thk. BWP and termite proof plywood and to be finished with approved 1.0 mm laminate as par design with approved band adhesive, extra frame work to be fixed for fixing glass. In the glazed partition 6 mm thk. Modiguard / Saint Gobain clear mirror glass to be provided duly fixed with White beach/White ceader lipping 50 mm x 25 mm all complete duly reddish brown colour polished with Melamine finish. The work should be completed as per specification, design & approval of the Architect. Wall ---Mirror portion - 40 sft</p>	40	sft		
	TOTAL FURNISHING				
	(Rupees				

No discounts are allowed on the overall amount

INTERIOR FURNISHING WORKS FOR ATM FOR RAILPAR BRANCH OF UCO BANK					
SL NO.	DESCRIPTION OF WORK	QTY	UNIT	Rate Rs.	Amount Rs.
1	Aluminium Frame fully glazed Main Door :				
	Providing and fixing Aluminium door comprising of appropriate 83.5mm vertical members, approximate 85-90mm top & bottom , approximate 83.5mm middle member, Black powder coated. Thickness of section not less than 1.5 m. Godrej / Dorma / Hafele / Ingersol Rand floor spring (for 100 kg.weight and rated for 1 million cycles) and pivot on top. 6 mm clear polycarbonate sheet with scratch free film on both sides. Wool pile / Weather strip on one vertical member. Providing and fixing colour customised door handle to fit on aluminium section. Clear Masonry Opening is 4'x7'. Necessary provision should be made for fixing access lock card reader and magnetic catch with UCO bank logo. Overall area of Glass Door is 28 Sq.Ft.	28	Sq.Ft.		
2	Cover of Rolling Shutter hood and side channels:				
	Providing and fixing panelling for cover hood using 1"x2" aluminium frames, 12 mm thick phenol bonded BWR grade confirming to IS:710 ply with trap door with magnetic catcher, 3" stainless steel tower bolt, finished with 2 coats of enamel paint over a coat of primer complete.	32	Sq.Ft		
3	Aluminum Composite Panel (ACP) cladding for Internal Walls, and exposed External wall.: colour of ACP ---- AS PER BANKS GUIDELINE				
	Providing and fixing ACP for wall cladding using 3 mm thick ACP with aluminium foil thickness of 0.5 mm on both sides of polyethylene core of EuroBond/ Aluco panel make. The panel should be of PVDF paint coating of bank approved shade and size to withstand for at least 15 years for fading (warranty certificate from the manufacturers is to be given for 15 years against fading, chalking and delaminations etc.) and to be properly fixed to the aluminium frame work using tray system, with framing of Aluminium Tube sections of min 2"x1" and 20 gauge 2'0" C/C both ways. Additional Sections to be provided to fix the Indoor AC unit. The AC unit to be installed near the machine area at the highest lev. feasible. All joints should be finished with silicon based weather proof sealant of Dow corning make so as to render the panel waterproof. Necessary hardware like clamps, anchoring bolts, bolts, nuts and other fastening.	140	sft		

4	False Ceiling :				
	Providing and fixing at the site partially flush and partially recessed type plain gypsum board false ceiling as per pattern and design made from 12.5mm thick paper reinforced gypsum board sheets fixed with main frame channel 80mm x 26mm x 0.5mm at every 45mm c/c as mentioned in drawing intermediates channels 15mm x 45mm x 0.9mm at every 1220mm all along the wall shall be proved. The framed intermediate channels using nuts and bolts as recommended using rawl plug 12.5mm dia x 35mm long with 6mm dia bolt and soffit cleat 27mm x 37mm. 25mm x 1.6mm thick Ceiling Boards are to be screwd to frame. Arrangements are to be made to accomodate light fixtures, by forming recessed channels etc. wherever directed. Depressions, nails and srcews, jointing and finishing etc. shall be made good with jointing compound of TOPCOAT primer, ceiling to be finished in true level	52	Sq.ft.		
5	Waste Paper Bin :				
	Supply of S.S. waste paper bin to be placed inside the ATM.	1	NO.		
		Total:			
	Total				
	No discounts are allowed on the overall amount				

	SCHEDULE OF QUANTITIES AND SPECIFICATIONS FOR ELECTRICAL WORKS OF ON-SITE ATM FOR UCO				
	RAILPAR BRANCH				
SI No.	Item Description	Qty.	Unit	Rate	Amount
	ATM SUPPLY FROM BRANCH				
1	Wiring with 2 nos 4 sq mm + 2 nos 2.5 sq mm CU wire laid through PVC pipe from Branch to ATM room(AC Supply & ATM supply. (2 sets of supply will come from Branch for UPS & AC Supply)	20	Mtr		
2	Supply and installation of 2 pole 32A rated MCB in MS Box for ATM supply.	2	Set		
3	Supply & laying 25 mm diameter PVC conduit for LAN wiring for ATM.	20	Mtr		
4	Supply Laying & connection of CAT-6 wire through PVC rigid pipe from HUB to ATM room (Delink/DGlink make), (2 nos cable drawn from Branch Rack to the ATM).	25	Mtr		
5	Supply & fixing of I/O box with cover complete RJ45 connector, (Delink/DG link make)	2	Nos		
6	Supply & drawing of 3x1.5 sq mm CU wire through PVC pipe for ATM Gate supply	25	Mtr		
7	Supply & installation of Timer Box for Glow sign Supply comprising of the following following:- 1 no SP MCB 1 Nos 25A rated Contactor 1 no 24 Hours Timer				
8	Supply & installation of ATM power outlet points comprising of the following:- 5/15A Socket- 2 Nos 16A Switch with indicator-2 Nos 6M box & plate- 1 set	2	Set		
9	Supply & installation of AC starter having Starter 18-25A, 16A socket & 3 pin plug top	2	Set		
10	S/F of 2 x 4+ 1 x 1.5 sq mm CU wire through PVC pipe for UPS & AC line	26	Mtr		
11	Light Point wiring with 3 x 1.5 sq mm wire through PVC pipe.				
12	S/F of Recessed Light fixtures with 10W LED down Lights-6" dia	4	No		
13	S/F of 2x 2.5+ 1x1.5 sq mm CU wire through PVC pipe for Glow Sign Board supply.	20	Mtr		
14	Supply & installation of UPS outlet points comprising of the following:- 6A 5 pin socket- 2 Nos 6A Switch with indicator-2 Nos 6M box & plate- 1 set	2	Set		
15	Supply & installation of Raw Power power outlet points comprising of the following:- 16A 5 pin socket- Nos 16A Switch with indicator-1 Nos 3M box & plate- 1 set (Rupees	1	set		
				TOTAL	
	No discounts are allowed on the overall amount				

PROPOSED INTERNAL ELECTRICAL WORKS OF RAILPAR BRANCH FOR UCO BANK WITHOUT AC.----

SCHEDULE OF QUANTITIES FOR ELECTRICAL WORKS WITHOUT AC & FALSE CEILING

SI No.	Item Description	Qty.	Unit	Rate	Amount
1.0	<u>SWITCH/ MCB</u>				
1.1	Supply & erection of 415V/230V equipment individually on wall housed in MS enclosure with metal front cover for the following:				
1.1.1	125A TPN SFU with HRC fuse links as main incomer with cable entry box.	1	Each		
1.1.2	63A rated 4P On-Load CO Switch to be connected after the TPN Busbar with cable entry box at both ends.	1	Each		
1.1.3	125A TPN SFU with rewirable fuse links for Generator supply.	1	Each		
1.1.4	40A DP MCB Isolator for controlling LDB at exit gate.	1	Each		
1.1.5	63A DP MCB for UPS incomer & outgoing.	2	Each		
1.1.6	TPN Busbar chamber having 4 nos. 25x6mm CU Bars fixed on insulators.	1	Each		
2.0	<u>DISTRIBUTION BOARD</u>				
2.1	Supply & erection of 415V, TPN wall mounting DB housed in Horizontal Double door DB box consisting of the following:-				
2.2.1	<u>MDB:</u> i) Incomer- 1 No - 100A TP MCCB (25KA). ii) Outgoing- 6 Nos. - 32 SP MCB (10KA). iii) 2 Nos - 63A TP MCB (10 KA) (UPS supply for Bank, ATM and LDB supply)	1	Set		
2.2.2	<u>PDB / AC DB:</u> i) Incomer -1 No- 100A 4P MCB Isolator. ii) Outgoings- 10 nos. -16/32 SP MCB (10KA).	1	Set		
3.0	Supply & erection of 230V SPN Wall mounting DB housed in SPN double door DB box consisting of the following:-				
3.1.1	<u>LDB:</u> i) Incomer- 1 No- 32A 2P MCB(10KA) ii) Outgoing-10 nos. -6A/10A SP MCB(10KA)	1	Set		
3.1.2	<u>CDB:</u> i) Incomer 1 no - 32A DP MCB(10KA) ii) Outgoing 10 nos. - 10A SP MCB(10KA)	1	set		
4.0	<u>DISTRIBUTION CABLE / WIRE</u>				
4.1	Supply & lay 1.1 KV grade PVCA AL/CU cable on wall having MS /HDP pipe protection near floor level and clamping as required for the following:-				
4.1.1	35 Sq mm 4 core Al with 2 nos 10 SWG GI wire	15	Mtr		
4.1.2	16 Sq mm 4 core Al with 2 nos 10 SWG GI wire for generator	15	Mtr		
4.1.4	2.5 sq mm 2 core CU for UPS Plate Earthing	20	Mtr		
4.1.6	2 nos. 35 sq. mm. CU flexible wire through GI flexible pipe complete with end termination with CU sockets.	8	Mtr		
	(Meter loop connection with Main SFU & Busbar)				
4.2	Making end termination of 1.1 KV grade PVCA Al/CU cable with supply of cable end box , brass Gland, CU crimping socket & jointing materials as required for the following:-				
4.2.1	35 Sq mm 4 core Al	2	Each		
4.2.2	16 Sq mm 4 core Al	2	Each		

5.0	<u>16A RAW POWER OUTLET POINT WIRING</u>				
5.1.1	1 no 6/16A socket with 16A control switch with indicator in suitable size modular box with front plates (Cabtree /Legrand);surface /concealed on wall wall/ cabinet.	3	Each		
6.0	<u>A.C. POWER POINT WIRING & AC SUPPLY</u>				
6.1.1	Supply & fixing by chase cutting on wall, North West /Cabtree make Starter 18-25A (MS housed) unit with 25A socket & matching Plug top.				
7.0	Supply draw and connect 1.1 KV grade PVC S/C multistrand CU wire FRLS grade in suitable PVC conduit & accessories including wall cutting & repairing as required for the following:-				
7.1.1	2 x 2.5 + 1 x 1.5 sq mm. (Power point & Circuit wiring)	80	Mtr		
7.1.1	2 x 4 + 1x 2.5 sq mm. (Glow sign supply, UPS & LDB DB supply, UPS incoming / outgoing supply).	90	Mtr		
7.1.3	1 x 6 sqmm CU wire for pipe earthing	11	Mtr		
8.0	<u>POINT WIRING:</u>				
8.1	Supply & wiring with 3 x1.5 sq. mm 1.1 KV grade PVC S/C multistrand CU wire (FRLS) in suitable size PVC conduit & accessories having control board with modular switch mounted on suitable front plate and housed in recessed MS box.				
8.1.1	One Light controlled by 6A switch	7	Each		
8.1.2	Two Light controlled by 6A switch	3	Each		
8.1.3	Exhaust Fan point with 6A switch	3	Each		
8.1.4	Bracket /ceiling fan point with 6A switch	8	Each		
8.1.6	6A switch socket on Switch Board	6	Each		
8.1.7	Modular type 6A switch, 1 no. 6A 5 pin socket point mounted on suitable front plate on separate switch board other than light / fan switch board. (Power to be tapped from nearest S.B/ LDB).	6	Each		
8.1.8	Call bell point with bell push (for manager's Chamber & at entrance.)	2	Each		
9.0	<u>COMPUTER POWER OUTLET CLUSTER POINT WIRING</u>				
9.1	Computer socket outlet cluster point wiring with 1.1KV grade 2x 2.5 + 1x1.5 sq. mm. PVC insulated flexible copper conductor wire(FRLS) through suitable size PVC conduit with all accessories up to connection of 2/3 nos. sockets cluster in one circuit connecting by looping method.	50	Mtr		
9.1.1	1 nos.- 16A modular type switch.(to be fixed above the table). 3 nos. - 6/16A 5 pin modular type socket 2 nos. - Front plate & MS box. (for Each Table & counters)	6	Each		
10.0	<u>FAN & EXHAUST FAN</u>				
10.1	Supply, erection and connection of 400 mm 230V oscillating type wall mounted bracket Fan.	8	Each		
10.2	Supply, erection and connection of 225 mm 1400 rpm, 230V Heavy duty exhaust Fan with wire guard net including wall cutting and finishing.	3	Each		
11.0	<u>Call Bell</u>				
	Supply and fixing of call bell with modular type push complete with plate & box to be fixed at the entrance gate & manager's room.	2	Each		

12.0	<u>LIGHT FITTINGS</u>				
12.1	Supply, erection and connection for the following with all accessories:-				
12.1.1	LED Panel light -24W- square-2' x 2' (PHILIPS / WIPRO /SIMOCCO/ equiv.	7	Each		
12.1.2	LED Downlight 10W (MESCAB/ PHILIPS / WIPRO /SIMOCCO/ equivalent)	6	Each		
12.1.4	1 x 36 W LAMP fixing on wall / ceiling with lamp	5	Nos.		
12.1.5	LED Batten Light for cash counter8W(MESCAB /SIMOCCO/ SYSKA/PHILIPS	1	Nos		
13.0	<u>TELEPHONE CABLE</u>				
	Supply, lay and connect PVC insulated CU conductor and armoured 10 pair				
13.1	Telephone cable for the following:-	10	Mtr		
14.0	<u>TELEPHONE POINT</u>				
14.1	Telephone point wiring with 2 pair PVC insulated CU conductor (0.5mm) telephone wire drawn through PVC conduit.	10	Mtr		
14.2	Supply and erection of modular type telephone outlet RJ11 mounted on suitable front plate housed in recessed MS box.	5	Each		
14.3	Supply and erection of 10 pair telephone terminal box (Krone type housed in MS box).	1	Each		
15)	<u>COMPUTER LAN SYSTEM :</u>				
a)	Supply,installaation of rigid PVC conduit accessories bent flexible conduit etc and fixing bty PVC bar saddle on wall or wooden surface 25 dia PVC conduit in mt	110	mt		
b)	Supply ,installation of UTP cable in prelaidd PVC conduit	120	mt		
c)	Supply,installation of UTP cable patch chord 2 mts. Long including termination and socketing	6	Each		
d)	Supply and fixing of RJ-45 UTP formation outlet -Cat-6 (1module) with front with cover in plastic / flush metal box on surface of wall	6	Each		
e)	Supply and fixing of 24 port D-Link make 10/100mbps switch and front plate with cover flush metal box on surface of wall	1	each		
f)	Supply and installation of Cat-6-24 port patch panel	1	each		
g)	Supply and Installation of 9U Metal rack HCL	1	each		
h)	Supply and installation of UTP cable patch chord 1 mt long including termination and socketing Digi Link	6	Each		
16.0	<u>EARTHING</u>				
16.1.1	Supply and erection dedicated Earth station at a minimum depth of 3.30 mt with 600 x 600 x 3mm GI Plate with earth strip / wire connecting arrangement including excavation and back filling with 25 mm dia GI pipe for watering.including salt,sand and charcoal (for UPS)	1	Each		
16.1.2	Supply & erection of spike earthing with G.I electrode 3 mt long x 50 mm dia GI pipe complete with CI earth pit cover with alll accessories and charcoal,sand,salt arrangement (for Generator // light fan // AC)	1	Each		
17.0	Supply and erection of earth bus on wall (min. length 0.3 mtr.) on insulator with drilled holes on the bus with GI bolt , nut , washer etc for				

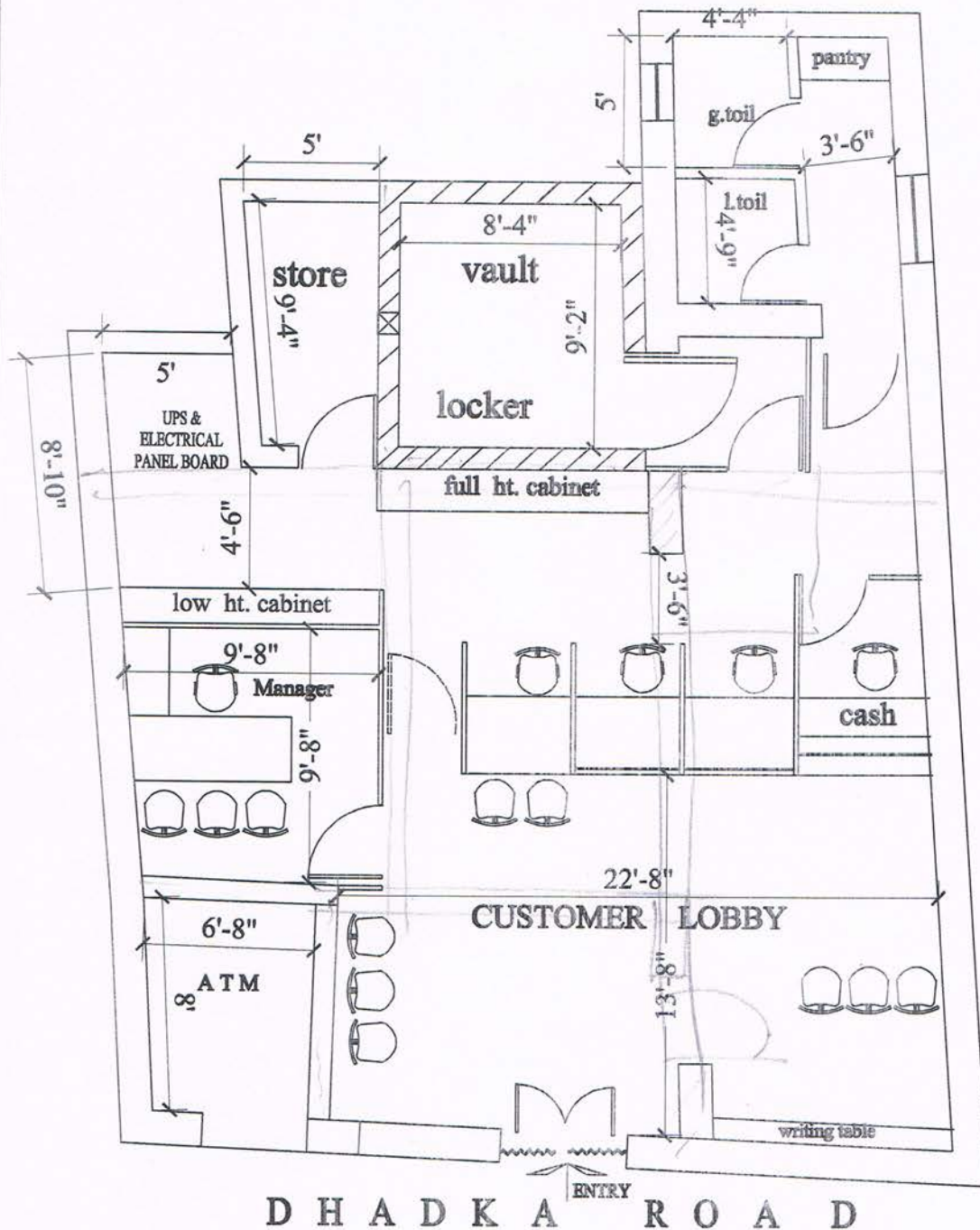
17.1.1	With (25x3) mm CU flat	2	Each		
18	Supply & installation of 2 nos. 32A DP Changeover switch to be fixed and complete with one no.60A rated copper Bus bar for changing supply from one UPS to another with all accessories.	1	Set		
19	Marking of all DB's & Main switches' Changeover and power outlet points.	1	job		
20	Supply and fixing of 63A DP Changeover switch	1	no		
21	At the end of the work to submit circuit diagram with electrical Audit report to be signed by an electrical engineer having valid registration no.		L.S		

TOTAL

Rupees

No discounts are allowed on the overall amount

PROPOSED INTERNAL LAYOUT PLAN OF RAILPAR BRANCH FOR UCO BANK



AREA - 988 sft

SCHEME - 1(REV.)-11/11/2015

ARCHITECT

SANJOY PAUL AND ASSOCIATES

**HOUSE-NO-40,1st AVENUE, SEPCO TOWNSHIP,
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Handwritten signature and date: 16/11/15