



सम्मान आपके विश्वास का

Honours Your Trust

**UCO BANK ZONAL OFFICE
BHUBANESWAR**

**TENDER DOCUMENT
FOR
ELECTRICAL & DATA CABLING WORK
FOR UCO BANK PHULNAKHARA BRANCH &
ATM**

CONSULTANT

**CURVES ARCHITECTURE
PLOT NO: - 33, BANKER'S ENCLAVE
PRACHI VIHAR, PALASUNI,
BHUBANESWAR, 751007, ODISHA
Ph.0674-2370983 Mobile.-9438562471**

NOTICE INVITING TENDER

Sealed tenders on item rate/percentage over estimated cost basis are invited from empanelled interior contractors having sound technical and financial capacity for Electrical work for UCO BANK, PHULNAKHARA BRANCH & ATM at Phulnakhara (Kacharamal), Dist- Cuttack. Tender documents may be collected from the Bank against payment of Rs 150.00 (Rupees One Hundred Fifty) only (non-refundable) by **Cash/DD**.

Parties should have executed:

1. At least one work of similar nature with 80% of estimated cost
Or
At least two works of similar nature with 50% of the estimated cost
Or
At least three works of similar nature with 40% of estimated cost in the last 3 years preceding 01.03.2023.
2. Don't have office/site or presence in and around the town or district in which the project is located

The parties who don't fulfill above 2 criteria, need not respond.

Earnest money	:	Rs. 4,000.00 by A/C demand draft drawn in favour of UCO BANK, Bhubaneswar
Time of completion	:	15 days
Tender paper sale date	:	02.03.2023 to 15.03.2023
Time and date of Submission of tender	:	before 4 pm on 15.03.2023 as per instruction tender documents
Time and date of Opening of tender	:	at 5 pm on 15.03.2023

The bank will not be bound to accept the lowest tender and reserve the right to accept or reject any or all the tenders without assigning any reason whatsoever.

ZONAL OFFICE
UCO BANK,
BHUBANESWAR

GENERAL RULES AND INSTRUCTIONS FOR THE GUIDANCE OF TENDERERS

1. Tenders are hereby invited on behalf of UCO BANK, ZONAL OFFICE, Bhubaneswar, for Electrical work of **UCO BANK, PHULNAKHARA BRANCH & ATM at Phulnakhara (Kacharamal), Dist- Cuttack**. Contract documents consisting of the plans complete specifications, the schedule of quantities of the various class of work to be done, and the set of conditions of contract to be complied with by the persons whose tenders may be accepted, and which will also be found in the form of tenders, can be seen at M/s CURVES ARCHITECTURE, PLOT NO-33, BANKER'S ENCLAVE, PRACHI VIHAR, PALASUNI, BHUBANESWAR and, UCO BANK OF INDIA, ZONAL Office, Bhubaneswar, between the hours of 10.30A.M to 5.30P.M, from 02.**03.2023 to 15.03.2023** and every day, except on Sundays and bank holidays
2. Tenders, which should always be placed in sealed cover with the name of the project written on the envelopes will be received by Zonal Head, UCO BANK, ZONAL Office, Bhubaneswar, up to 4 pm on 15.**03.2023** and will be opened in the office on 15.**03.2023** at 5 pm.
3. The time allowed for the carrying out of the work will be 15 days from the day after the date of written orders to commence work.
4. The contractors should quote in figures as well as in words the rate, and amount tendered by them the amount for each item should be worked out and the requisite totals given.
5. When a contractor signs a tender in an Indian language the percentage above or below and the tendered amount and the total amount tendered should also be written in the same language in the case of illiterate contractors the rates or the amounts tendered should be attested by a witness.
6. Issue of tender from will be stopped one days before the date fixed for the opening of tenders.
7. Earnest money, amounting to **Rs. 4,000.00** in the form of bank draft drawn in favour of **UCO BANK, Bhubaneswar**. must accompany each tender and each tender is to be in a sealed cover super scribed tender for **Electrical work for PHULNAKHARA BRANCH & ATM**, and addressed to the **Zonal Head, UCO BANK, ZONAL Office, Bhubaneswar**.

The contractor, whose tender is accepted, will be required to furnish by way of security deposit for the due fulfillment of his contract, such sum as will amount to 10.00% of the work order.

The EMD of the contractor, whose tender is accepted, shall be forfeited in full in case he does not remit the Initial security deposit within the stipulated period or start in the work by the stipulated date mentioned in the award letter.

8. The acceptance of a tender will rest with the Zonal Head, UCO BANK, Zonal Office, Bhubaneswar which does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders in whom any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.

The bank reserves the right to accept the tender in full or in part and the tenderer shall have no claim for revision of rates or other conditions if his tender is accepted in parts.

9. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
10. All rates shall be quoted on the proper form of the tender alone.
11. An item rate tender containing percentage below/ above all is summarily rejected. However, where a tender voluntarily offers a rebate for payment within a stipulated period, this may be considered.
12. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Employer/Architects shall be communicated to the Employer.
13. Special care should be taken to write the rates in figures as well as in words and the amounts in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the words "Rs." Should be written before the figure of rupees and words "P" after the decimal figures, e.g. Rs. 2.15p and in case of words, the word "Rupees" should precede and the word "Paise" should be written at the end, unless the rate is in whole rupees and followed by the words, "only", it should invariably be up to two decimal places. While quoting the rate in schedule of quantities, the word "only" should be written closely following the amount and it should not be written in the next line.
14. The bank does not bind itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the tender and the tender shall be bound to perform the same at the rate quoted.
15. All taxes including Sales Tax or any other tax on material or on finished works like works contract tax, Turn over Tax, etc. in respect of this contract shall be payable by the contractor and the bank will not entertain any claim whatsoever in this respect. This particular aspect should be mentioned in the tender
16. The contractor shall give a list of his relatives working with bank along with their designations and addresses
17. No employee of the bank is allowed to work as a contractor for a period of two years of his retirement from Bank service, without the previous permission of the Bank. The contract is liable to be cancelled if either the contractor or any of his employees is found to be worked as a bank employee within two years of the contract and he has not taken permission from the bank to do so.
18. The tender for the work shall not be witnessed by a contract or contractors who himself/themselves has/have tendered or who may and had/have tendered for the same work Failure to observe this condition would render tenders of the contractors tendering as well as witnessing the tender liable to summary rejection.
19. It will be obligatory on the part of the tendered to tender and sign and tender documents for all the components parts and that, after the work is award, he will have to enter into an agreement for each component with the Competent Authority in the Bank.
20. The tendered, apart from being a competent contractor must associate himself with agencies of the appropriate class who are eligible to tender for (i) Electrical (ii) Sanitary and Water Supply installations and (iii) Horticulture.

21. The quantity of work can be reduced or increased depending upon the requirement before/during the commencement of the work

UCO BANK
ZONAL Office
Bhubaneswar.

LIST OF APPROVED MAKE ELECTRICAL & HVAC & FIRE		
S. No.	Item	Make
1	PVC conduit	CAP/BEC/ SEIKO
2	Wires	Skytone/ Finolex/ Polycab
3	Distribution Box	Legrand/ Schneider/ ABB/INDOASIAN
4	MCB & MCCB	Legrand/ Schneider/ ABB/ INDOASIAN
5	Light Fixture	GE/ Philips/ decon
6	HT cable	CCI/ Skytone/ universal
7	Generator	Mahindara/ Cummins/ Catterpillar/ Kirloskar
8	Lamps	GE/ Philips/ Osram
9	Pumps	Kirloskar/ Matther & Platt / KSB
10	Sub Station	Schneider / Crompton/ Areva
11	Modular Switches	CPL/ Legrand/ MK
12	Fans	Crompton / Hevels
13	Cable Management System	Legrand/ Schneider/ ABB
14	Bus Trunking	Schneider / Crompton/ C & S
15	Contactors	L&T/ Seimens/ Schneider/ ABB/ INDOASIAN
16	OLR	do
17	Push Button	do
18	TPN Switch	GE/ L&T/ Seimens/ INDOASIAN
19	HRC Fuse	GE/ L&T/ Seimens/ ABB/ INDOASIAN
20	Meters	AE/ L&T/ Meco/ Conzere
21	Current Transformer	AE/ Kappa/ Intech
22	Selector switch	Kaycee/ Essen/ L&T/ Seimens/ BCH
23	ACB	L&T/ Seimens/ Schneider/ ABB/ INDOASIAN
24	Control Cable	LAPP/ Finolex/ RPG
25	Power cable	CCI/ Skytone/ universal/ LAPP/ Torrent
26	GI Pipe	TATA/ Jindal/ Zenith
27	Protection Relays	ABB/ Seimens/ Schneider
28	Load Manager	L&T/ Seimens/ Schneider/ ABB
29	Battery	Exide/ Amco/ Panasonic
30	BMS	Honeywell/ Seimens/ Schneider
31	End Termination	Raychem/ Mahindra
32	Casste unit HVAC	Carrier/Voltas
33	Split unit HVAC	Carrier/Voltas
34	Fire alaram Panel	Agni/Carmel
35	Smoke & Heat detector	Apollo/system sensor
36	Hooter	Agni/Carmel

BOQ FOR ELECTRICAL & DATA WORK OF UCO BANK, PHULNAKHARA BRANCH & ATM.

BRANCH

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
BRANCH					
	1. WIRING TO POINTS				
1	Recess conduit wiring to light, ceiling fan, exhaust fan with (2x1.5 sq mm + 1(1x1sqmm) PVC single core wire in PVC/ Super polythene pipe with galvanized iron & switch boxes & clip in type 6 Amp modular type with all accessories, T&P & as directed by the r-in-charge.				
	i) Primary (1 light/fan controlled by one switch)	Nos.	18.00		
	ii) Secondary point (2 lights controlled by 1 switch)	Nos.	12.00		
	iii) Primary point (wall fan controlled by 1 switch and kets) 5 Amp.	Nos	12.00		
2	A. Recess conduit wiring to 6 Amp plug socket with n existing board as above	Nos.	3.00		
	B. Recess conduit wiring to 5/15 Amp plug socket with n separate board as above.	Nos	3.00		
3	Recess conduit wiring to call bell point with one gong 5" dia placed at strategic point with 6 Amp switch bell p in type modular type fixed on G.I. boxes placed at level for emergency use, the wiring details are as per Sr l. The places as located in drawing & as per direction of r-in-charge.	Set	1.00		
4	The supply to above will be given from 16 Amp switch n a modular box at the entrance of the Bank building, an be operated by Guard. The M.S. box should have door with locking arrangement. The cable in the wall & is to be recessed properly & passed through 1" PVC e size of the box 200mm x 150mm x 100mm, made out WG CRCA sheet properly painted with 2 coats of primer above it 2 coats of enamel The box contains 16 Amp switch-1 no. & 6 Amp switch- 5 Amp socket- 1no. (all flush type) & as per direction of r- in-charge.	Set	1.00		

5	Supply of all required materials and wiring to circuits/switches with following number and sizes of PVC insulated 1.5mm alt grade standard copper wire run inside pre-laid PVC pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including good to all damages caused and as per the direction of Engineer-in-charge.				
	A. Recessed wiring with 2x(1x2.5sqmm) 1.5sqmm) copper wire	Mts	195.00		
	B. Recessed wiring with 2x (1x4sqmm) + 1x (1x1sqmm) copper wire	Mts	70.00		
	C. Recessed wiring with 4x (1x10sqmm) + 1x (1x1sqmm) copper wire	Mts	35.00		
6	Supplying ,fixing and testing of indoor wall mounted distribution board of door type of approved make .				
	L.D.B	Set	1.00		
	12 way DP DB 1 No. 32A DP MCB 10 No. 6-10 A SP MCB				
7	Supply of all required materials and wiring to AC plug with 2 (1x4sqmm) PVC insulated copper wire run inside type PVC conduit pipe with ISI mark laid on wall/recessed of wall/ceiling alongwith 1 (1x2.5sqmm) PVC insulated copper wire as earth continuity conductor complete in respect including with use of 2.0 TR AC starter, concealed boxes with cover, wire, 20A SPN metalclad plug socket, switch box for plug, junction box etc complete with good the damages caused as required and as per direction of Engineer in charge.	Nos.	4.00		
	2.COMPUTER WIRING				
1	Supply of all required materials and wiring to circuits/switches with following number and sizes of PVC insulated 1.5mm alt grade standard copper wire run inside pre-laid PVC pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including good to all damages caused and as per the direction of Engineer-in-charge.				
	A. Recessed wiring with 2x(1x2.5sqmm) 1.5sqmm) copper wire	Mts	195.00		
	B. Recessed wiring with 2x (1x4sqmm) + 1x (1x1sqmm) copper wire	Mts	70.00		
2	Supplying & fixing of UPS input DB company made & with double door arrangement OF APPROVED make) following arrangement. 10 amp TPN MCB– 1 no	SET	1.00		

3	Supplying & fixing of UPS output DB company made & with double door arrangement OF APPROVED make) the following arrangement. ing p DP MCB – 2 nos. (1main & 1 spare).	SET	1.00		
4	Suppling ,fixing and testing of indoor wall mounted tribution board of door type of approved make .				
	C.D.B	SET	1.00		
	10 way SPN DB ing 1 No. 32A DP MCB ping 8 No. 6-10A SP MCB				
5	Supplying & fixing of computer terminal boxes made of d with (3nos. of 6 Amp switches + 3 nos. 6Amp socket), n modular type & as per direction of Engineer-in-charge.	Set	9.00		
6	Providing and fixing of chemical earth electroad made 50mm dia class-B Asahalock or equevalent 2m length per plate made out of 600x600x3.15 mm tinned copper ong with one number 40x5mm tinned copper strip grazed plate buried vertically with top edge of the plate at a f 1500 mm with arrangements for termination of copper earth continuity conductor including cost of charcole, n soil, water pouring arrangements brick massionry r on top with R.C.C cover te with labour and material as per direction of Engineer-ge	Set	1.00		
7	Supply of all required materials & wiring to clip in type 15 /5 amp socket points controlled by 1 no 15 amp complete in all respect including making good to s caused as per direction of EIC for Hub connection	Nos	3.00		
8	The earth lead by 8sq.mm PVC single core cupper GI pipe to connect from earth electrodes to UPS g earth bus & as per direction of Engineer-in-charge.	Mts	20.00		
	4. FITTINGS AND FIXTURES				
1	Supply,installation and testing of LED 36 watt of size 0" with all accessories complete assembly of Philips or as required as per direction of Engineer in charge.	Nos.	16.00		
2	Supply,installation and testing of LED spot light round watt with all accessories complete assembly of Philips red as per direction of Engineer in charge.	Nos.	18.00		
3	Supply,installation and testing of single tube lights tings (1x36wt) of surface mounting with all accessories e assembly of Philips (MODEL No. TMS 021/136 LPF) red as per direction of Engineer in charge.	Nos	7.00		

4	Providing and fitting of 450 mm sweep Wall fan of d make .	Nos.	12.00		
5	Providing and fitting of 1200 mm sweep ceiling fan of d make .	Nos.	2.00		
6	Providing and fitting of 400 mm sweep Exhaust fan of d make .	Nos.	3.00		
7	Providing and fitting of call bell of approved make .	Nos.	1.00		
	5. PHONE WIRING .				
1	Supply of all required materials & laying of the g sizes of phone wires of approved make inside the d size PVC conduit complete in all respect as per on of EIC .2 pairs telephone wires.	Mtrs.	30.00		
2	Supply , fixing , testing of phone point with suitable GI with phone , socket complete in all respect as per h of EIC .	Nos.	2.00		
	6. MAIN PANEL BOARD				
1	Supply, delivery, installation , testing , commissioning , indoor wall,floor , mounted , type distribution boards ut of 2 mm thk. CR sheet metal duely acid treated d & painted with 2 coats of enamel paint compartment ment for each equipment & bus bar chamber on the top panel running horizontal through out its length duly lamp , proof having provision cable by conduit entry , earthling per specification mentioned below duly factory wired ng to the relevant ISS & as per special condition of , making good the damages M.S. Cubical type Panel should have hinged door at the front. The panel shall be d with all accessories & following arrangements e in all respect & direction of EIC (before fabrication of board drawing is to be approved by Engineer-in- charge). ing- 1No 125 A TPN SDF with HRC switch 125A bus bar 63 A Change over going- 5Nos 32 A DP MCB for A.C 1Nos 40 A DP MCB for LDB/PDB 1Nos 63 A FP MCB for UPS Amp. Meter with selector switch Volt meter indicator lamp	Set	1.00		
2	Earthling as per I.E. rules with 40mm dia G.I. pipe of 3 g perforated on all sides with arrangements of light , ion of 600x600x3mm copper plate & 19x3 G.I flat firmly ed to plate with copper nut & bolt , washer etc . The should be filled with alternate layers of charcoal, salt & e brick masonry chamber is to be covered with CI cover hum 300mm x 300mm size with all accessories & as per h of Engineer-in- charge.	Nos.	1.00		
3	Supplying & fixing Earth lead with 8nos. of GI wire.		20.00		

	7.LOCAL AREA NETWORK (LAN)				
1	Recess wiring with Cat-6 Lan cable with PVC conduit	Mtrs.	235.00		
2	Supply and fixing of Cat-6 IO box with cover for LAN	Nos.	9.00		
3	Supply and fixing of Cat-6 Patch chord 2 mtr long	Nos.	9.00		
4	9U Data Rack-D-Link	Nos.	1.00		
5	24 Port 10/100Switch-D-Link	Nos.	1.00		
6	INVERTER WIRING : (1 x 2.5 sqmm) + 1 x (1 x 1 copper wire from individual INVERTER wiring from plug	Mtrs	30.00		
	TOTAL				
ATM					
SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	POINT WIRING				
1	Supply of all required materials and existing wiring to ed light points / fan/ exhaust fan/ call bell points with 2 sq.mm) PVC insulated copper wire run inside 20 mm nduit pipe of 16 SWG or flexible conduit pipe laid on of wall / ceiling along with 1 (1 x 1 sq.mm.) PVC d copper wire as earth continuity conductor and e in all respect as specified and making good to the s caused and complete as per direction of Engineer-in-Consultant.				
(i)	One point controled by existing switch	Nos	3.0		
(ii)	Group control point	Nos.	2.0		
2	Supply of all required materials and recessed wiring to clip-in modular type 5 Amp plug socket points with 2 (1 x mm.) PVC insulated 1100/650 V grade stranded single pper wire run inside 20 mm PVC Conduit (16 S.W.G) d on surface wall / ceiling along with 1 (1 x 1 sq.mm) insulated copper wire as earth continuity conductor and e in all respect including 3 pin 5 A sockets, switches, boxes and cover as specified and making good to the s caused and complete with all respect as per the n of Engineer-in-charge / Consultant.				
(i)	Existing	Nos.	2.0		
(ii)	Separate	Nos.	0.0		
3	Supply of all required materials and recessed wiring to sub-mains with following number and sizes of PVC d 1100/650 volt grade stranded copper wire run inside PVC conduit (16 S.W.G.) pipe laid on surface of wall / and copper wire as earth continuity conductor and e in all respect including making good to all damages and as per the direction of Consultant and Engineer-in-				
(a)	Recessed wiring with 2 (1 x 2.5 sqmm) + 1 x (1 x 1 copper wire from M.D.B. to individualLight switch computer plug board.	Mtrs	45.0		
(b)	Recessed wiring with 2 (1 x4sqmm) + 1 x (1 x 2.5 copper wire from ATM DB To A/C starter .	Mtrs	40.0		

(c)	Recessed wiring with 4 core 10 sqmm aluminium cable from MDB To ATM DB .	Mtrs	15.0		
4	Supply of all required materials and fixing of 14 - 20 starter, Modular box with 16 Amp. Socket for Air-conditioner machine and complete with all respect as per the direction of Engineer-in-charge / Consultant.	Nos	1.0		
5	Supply of all required materials and recessed wiring to of 16 Amp and 2 nos of 5 Amp. Socket for computer g the modular boxes,& indicator clip-in-type plates, switches, screws and complete in all respect making good to the damages caused as per the direction of Engineer-in-charge / Consultant.	Nos	2.0		
5	Supply of all required materials and recessed wiring to of 16 Amp and 2 nos of 5 Amp. Socket for computer g the modular boxes, clip-in-type plates, switches, and complete in all respect making good to the damages as per the direction of Engineer-in-charge / Consultant. Provide 16amp socket with AC With timer one no	Nos	1.0		
6	Distribution Board (TPN DB)				
	63A DP MCB 1 no as main				
	32 A DP MCB 2 Nos, 10/6 Amps SP MCB-2 nos	SET	1.0		
	6 way CDB incoming 32 dpmcb 1no,out going 6amp 4no.	SET	1.0		
	UPS input output 15amp socket switch with indicator.	nos	2.0		
	Earthing				
7	Supply of materials and installation of copper plate electrode made out of 600 x 600 x 3.15 mm thick tinned plate alongwith one number 40x5mm tinned copper strip with the plate buried vertically with top edge of plate at a 1500 mm with arrangements for termination of copper earth continuity conductor including cost of charcoal, regrade soil, 20mm dia G.I. pipe for water pouring arrangements, brick masonry enclosure on top with removable cover complete with labour for excavation of pit in all soil & rock as required and as per direction of Engineer-in-charge.	Nos	1.0		
8	Supplying of all required materials laying under Ground for making and termination and testing of No-8 Copper wire inside PVC Conduit pipe complete as per Direction of	Mtrs	6.0		
	FIXING OF FIXTURES :				
9	Supply,installation and testing of LED 36 watt of size 6" with all accessories complete assembly of Philips or as required as per direction of Engineer in charge.	Nos.	1.0		
9.A	Providing, fixing and commissioning of spot lights with lamp - P&F recessed 1 x12w PL Spot lights, fixture with make GE Philips .Wipro , Opelite , Crompton, Clipsal. or equivalent make	Nos	4.0		

10	Supply,installation and testing of single tube lights fittings (1x36wt) of surface mounting with all accessories the assembly of Philips (MODEL No. TMS 021/136 LPF) as per direction of Engineer in charge.	Nos	0.0		
11	DATA WIRING TO ATM				
A	Supply & fixing of CAT-6 Cable from Branch switch to machine	Mtrs.	45.00		
B	Supply & fixing of I/O with box and RJ - 45 Connector	Nos.	2.00		
C	Supply and fixing of power supply cable 4 core 16mm aluminium cable from Branch panel to ATM panel as per all accessories	Mtrs.	35.00		
	TOTAL ATM				
	TOTAL BRANCH				
	GRAND TOTAL (ATM +BRANCH)				

