

ELECTRIFICATION WORK
OF
INDIAN BANK
FOR
MOTERA BRANCH
AHMEDABAD.

Name of the Contractors:

VIJAY SAHIJWANI & ASSOCIATES
CONSULTING ARCHITECT, ENGINEERS &
INTERIOR DESIGNER

55, SAHYADRI APPARTMENT
NEAR STADIUM CIRCLE, NAVRANGPURA
AHMEDABAD – 380 009, PHONE : 26448937
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TENDER NOTICE

The Deputy General Manager, Indian Bank, Circle Office, Ahmedabad.

Invites sealed item rate tender for below mentioned work from the contractors.

- | | | | |
|----|---|---|--|
| 1) | Description of work | : | Electrification work for Indian Bank ,
Motera Branch, Ahmedabad. |
| 2) | Time Limit | : | 21 Days |
| 3) | Earnest money deposit | : | Rs. 2,000=00 in favour of
Indian Bank, Circle Office,
Ahmedabad |
| 4) | Tender Documents | : | Rs. 200=00 |
| 5) | Date of issue of tender | : | 21.07.2012 |
| 6) | Last date of issue of tender | : | 28.07.2012 up to 1.0 PM |
| 7) | Last date & time for receiving
complete tender | : | 28.07.2012 up to 3.0 PM at
Indian Bank, Circle Office
Rudra Arcade, 2nd Floor
132 Feet-Drive-in Cross Road
Ahmedabad |
| 8) | Opening of tender | : | 28.07.2012 3.30 PM |

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

Architect
Vijay Sahijwani & Associates

55, Sahyadri Appartment,
Near Stadium Circle,
Navrangpura,
Ahmedabad – 380009.

Phone No. 26448937

GENERAL CONDITIONS

- (1) Sealed tenders should be address to **The Deputy General Manager , Indian Bank Circle Office, Ahmedabad** and suspercribed Name of work.

Electrification work For Motera Branch, Ahmedabad reach the Bank before 3.00 PM ON **28.07.2012**

- (2) No tenders will be received after 3.00 PM ON **28.07.2012** and the tenders will be opened on the same day unless otherwise informed.
- (3) The tenders will remain valid for a period of 3 months from the date of opening of tenders, Bank reserves the right to accept of reject any or all the tenders without assigning any reason to do so. Bank does not bind itself for accepting the lowest tender.
- (4) At the time of submission of every tender must be accompanied by a Demand Draft only of **Rs 2,000=00** in favour of **Indian Bank, Circle Office,Ahmedabad** as earnest money. No interest will be paid on earnest money. Any tender which is not accompanied by the earnest money shall be summarily rejected. Security deposit will be 2% of the contract value less EMD entire SD will be releaved on completion of work without interest.
- (5) The tenderers should quote the rates in figures as will as in words.
- (6) All ensures, corrections and alterations made while filling the tender must be attested by initials of tenders, overwriting of the figures is not permitted.
- (7) The earnest money of the successful tender shall be adjusted in the security deposit.
- (8) The Bank reserves the right to rejected any or all the tenders, accept part of any tender or entrust the entire work to any contractor or divide the work to more than one contractor (item wise) without assigning any reason or giving any explanation. The rates quoted by the contractor will hold good for this bifurcation and no compensation will be paid on this account.
- (9) Joint tenders shall not be considered.
- (10) Within 24 hours of receipt of Intimation regarding acceptance of his tender by the Bank, the tenderer should send his acceptance of the work order in writing. If the tenderer does not do that, or does not start the work within 24 hours of such intimation to him or fails to give justified reasons not to do so, acceptance of his tender would be withdrawn and Earnest Money Deposit would be liable to be forfeited.
- (11) The rates quoted in the tender shall include all charges of scaffolding, lift, any tools and plants railway freight labour conditions and fluctuation in the rates, excise duty, sales tax, octroi and any other taxes or expenditure for carrying out the work.
- (12) The Contractor will arrange for water and Electricity for completing the work. In case water and Electricity are already available at the site, same will be provided by the Bank free of cost.
- (13) No escalation in rates will be allowed under any circumstances.

- (14) The successful tenderer is bound to carry out entire work within the period stipulated in the Appendix. The tenderer will have to pay liquidated damages for non-completion of job within stipulated period at the rate of Rs.1000/- per day after expiry of period of completion subject to maximum of 5% of the contract value.
- (15) The liquidated damages as mentioned above may not be enforced if the contractor applies sufficiently in advance for extension of time mentioning the unavoidable reasons for extension. The Bank shall, if in its opinion (which shall be final and binding upon the contractor) finds genuine reasons shown by the contractor for such request, grant suitable extension in time limit. Any claim for damage or compensation in relation there to by contractor is not permissible. Also other terms and conditions of the contract will remain unaltered in the extended period.
- (16) The successful tenderer is bound to carry out items of work necessary for completion of job even though the same are not included in the schedule of quantity. Rates of extra items will be derived from the tender. In case the rates do not exist in the tender and extra item is not similar to tender item, then the rates will be worked out on actual cost of material and labour, any other expenditure for completing that work plus 15% towards contractor's profit & overheads. For this contractor must submit the rate analysis supported by original vouchers for purchase and labour.
- (17) The contractor must co-operate with other contractors appointed by the Bank so that entire work shall proceed smoothly with least possible delay and to the satisfaction of the Bank.
- (18) The contractor shall remove all rubbish etc. out of site/premises wash and clean the floors and hand over the site in proper and tidy condition on the completion of work.
- (19) The tenderer shall acquaint himself with the site conditions making his own arrangement for storing of material at site lift, cartage etc.
- (20) Contractor shall shift furniture, cupboards records, for the purpose of painting and re-arrange the same as directed. No extra charge shall be paid for the same.
- (21) Contractor shall be prepared to work at times convenient to the Bank. No charges shall be paid for the same.
- (22) 8% percent of the value of work done shall be deducted as retention money from the running bill of the contractor, which shall be released after the defects liability period, provided no defects are noticed during the period.
- (23) The contractor will attend to all defects noticed during defect liability period. If the contractor fails to attend to the defects within a reasonable time these defects will be rectified by the Bank and the expenditure incurred on this account will be recovered from security deposit, or any other money due on to time.
- (24) The contractor shall make adequate arrangement for watch and ward of his material and shall ensure the safety, breakage and any theft of material fixed or unfixed by him or other sub-contractors.
- (25) The work executed should be got approved by the Bank and contractor shall rectify and bad workmanship pointed out at any stage and remove from site all the rejected material immediately.

- (26) The contractor shall be responsible for application of labour laws, compensation for injury and accident to person, whether employed by his or by his sub-contractor.
- (27) The contractor will take necessary precautions for carrying out the work avoiding any damage to fixed or loose furniture, structures/decorative parts of the property. The contractor will rectify any damages done at his cost.
- (28) The contractor shall ensure that workmen employed by him for execution of work are suitably covered against Workmen's Compensation Act and that all liabilities arising out of Workmen's Compensation Act, ESIS and other legislative enactments applicable, to such works and workmen shall be to the contractor's account.
- (29) The Contractor shall inform the Bank to check quality/measurements of any work which is likely to be hidden before covering.
- (30) The contractor will submit running Bills for the value of work done not less than interim payments (as mentioned in the Appendix) mentioning full nomenclatures of items, rates, amount, measurement sheet, reasons for part rates claimed, if any.
- (31) In case of non-completion or delay in completion of work or removal of defects in time, the Bank shall be free to appoint another agency to get the job done at contractor's risk and cost.
- (32) Income-Tax at the rate of 2.244 % (or Applicable rate) of the Bill Amount will be deducted at source from the contractor's bill and will be deposited with the I.T.O as per rules.
- (33) The Bank may delay the progress of work without, in any way, vitiating the contract and grant such extension of time for the commencement/completion of the contract as it may think proper and sufficient in consequence of such delay and the contractor shall not make claim for compensation of damages in relation thereof.
- (34) The Contractor will not execute any extra item without Bank's permission in writing.
- (35) The quantities mentioned in the schedule of quantities are approximate. Payment will be on actual work done by the contractor. However the contractor should not deviate the quantity without Bank's permission.
- (36) Conditional tenders quoted by the tender is liable to be rejected.
- (37) The Bank has a right to alter the nature of work and to add or omit any items of work or to have the option of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to this contract.
- (38) The Bank has right to terminate the contract, if the contractor abandons the work, or fails to commence and complete the work in time, or fails to abide by the contract conditions.
- (39) Measurement for all items shall be taken as per actual work done and no claim for any wastage in all material shall be considered.
- (40) Contractor has to prepare sample of chair, table and part counter for the approval of the Bank.

- (41) Contractor must quote balanced rates as quantities mentioned in the tender are approximate and may vary to any extent. No extra shall be given on this account.
- (42) All the Electrical work shall confirm to relevant ISI. Contractor shall provide all necessary Test Certificate required by the Bank.
- (43) The contractor should inspect the sites before quoting the rates.
- (44) The contractor shall place order immediately after hearing the approval of the tender of the material required for the work in order to get them on site well in advance of their requirement. Sample of each material should be got approved in advance.
- (45) The contractor shall have to make necessary arrangements for proper storage of the materials and will be responsible for any loss of material due to theft or otherwise.
- (46) The items of work will be measured as per standard mode of measurements as laid down by I.S.I
- (47) The quantities given in the Bills of quantities are approximate and given as a guide to tenderer and are liable to variations.
- (48) Contractor shall be paid for the actual measured quantities of work executed by him.
- (49) For Tender Flooring

The rates of items should include for

- (1) Finishing paving and leveling to level as directed.
- (2) Providing and laying cement beading before laying tiles directed.
- (3) Cleaning of floor before paving is laid.
- (4) For corner and irregular pieces of tiles.
- (5) All materials shall be of approved make.

LIST OF APPROVED MAKE - LIST ENCLOSED

Banks reserves the right to select any of the manufactures party from the above list and to add or delete names of the other parties as and when required.

- (50) Contractor shall have prepared any No of samples as directed by Architect/Bank before finalizing of scheme. For this No extra payment shall made.
- (51) This Tender is having Bills of quantities for several Branches. However selection of contractor shall be branchwise.

APPENDIX REFERRED TO IN THE GENERAL CONDITIONS

1. Defects liability period : 12 Months
2. Date of commencement : Immediate on receipt of work order
3. Date of Completion : 21 Days from issue of Letter of intent./work order
4. Stipulated period for completion : 21 Days
5. Minimum value of work done for interim payment : Only full and final payment to be made.
6. Interim Payment : 50% of after completion of 75% of work.
7. Retention money for defects liability period : 8% of the total value of work
8. Liquidated damages for non-completion of work within stipulated period. : 1000=00 Rs per day subject to maximum of 5 % of contract value.
9. Validity of the Tender : Three months from the last date of opening of the Tender.
10. Terms of Rates : The rates shall be at the site of the work and shall include all Taxes, Octroi, VAT, Labour, Transportation Sales Tax, work contract Tax, Service Tax, if any etc.
11. Period of honouring interim Certificate : 15 Working days after the submission of the interim Certificate.
12. Period for honouring final Certificate : 60 working days after the submission of the Final Certificate.
13. Validity of Rates : The quoted Rates in the Tender shall remain valid till the completion of the work. No escalation in rates shall be allowed.
- 14.. Extra Items : The contractor shall not execute the item for which the rate cannot be derived from the Tender. He shall submit the Rate analysis for such item on actual cost plus 15% as overheads, establishment charge and contractor's profit, and get it approved by Architect/Employer before starting the work of such items.

15.. Working Hours

: Most of the work may take place at contractors workshop, However in case if the work is to be executed in a working premises of the Bank the same shall generally be execute after office hours of the Bank. I.E in the evening, nights and Bank holidays. The employer shall make necessary arrangements required or their part of such working. The work shall be carried out in such a way that minimum disturbance is caused to the functioning of the Bank Branch. The Contractor shall make all necessary arrangement for cleaning the premises everyday and to ensure the complete safety of the furniture, machinery, computers, plants, equipment etc. lying in the premises and also provide safeguard from dust etc. For night working no extra charge shall be paid.

INDIAN BANK

CONTRACTOR

LIST OF APPROVED MAKE FOR THE MATERIALS TO BE USED

MCB/MCB-DB	-	Hager/MDS/ABB/ Schiender
SWITHCES AND ACCESSORIES	-	MK India/Clipsal Opal/LK/SALZER/ABB
HGS CONDUIT	-	AEC/BEC/ICI/SCI
ELECT PVT WIRES	-	Finolex FRLS/ RRK CABLES FRLS/ POLYCABFRLS
PVC TUNKING/PIPES AND ACCESSORIES	-	Precision/Clipsal
ARMOURED CABLE	-	Finolex, Polycab, Gloster,V-GAURD
CABLE GLANDS	-	HMI/Comet
CABLE LUGS AND SOCKETS	-	Dowell's/3D
CONNECTORS	-	Elmox/Connectwel
MCCB	-	L&T/Siemens MDS for 63 A
ELECB / RCCB	-	MDS/Haeger/ABB
TELEPHONE WIRES & CABLES	-	Delton/National
METAL CLAD SOCKET	-	MDS/Clipsal/Haeger
PVC JUNCTION BOX	-	Precision/Clipsal
SWITCH BOARDS	-	Toyoma/Clikpsal/MK India/SALZER/LK
EXHAUST FAN	-	Usha/Khaitan/GEC/Crompton
WALL/PEDESTAL FANS	-	Crompton/Usha
SPEAKERS	-	Ahuja/Bosch/Philips
LIGHT FIXTURES	-	Philips/Wipro
SFU & HRC Fuses	-	L & T/Siemens
METERS	-	AE/MECO
CONTACTORS & OL RELAY	-	L & T / Siemens
TELEPHONE OUTLET SOCKET RJ-45 COMPLETE WITH BOX	-	ANCHER ROMA/CABTREE/SALZER

[a] Consultants reserve the right to add or delete name of any manufacture as and when required.

[b] Consultants reserve rights to select any of the specified brands mentioned above.

[c] Contractors have to submit copy of challans from authorized dealers for canfirming the makes of materials used.

BY ELECTRICAL CONTRACTOR

(i) Insulation Resistance test is

R - N	M. Ohms
Y - N	M. Ohms
B - N	N. Ohms

15A - 3000 W Power Point - 15 Minutes

(vii) Certified that the earthing plate/pipe has been verified and placed at correct depth confirming to IE Rules. and its size is as per tender

Signature of Contractor

Licence No.:

IMPORTANT POINTS TO BE NOTED

- 1) Rates for **LIGHT, FAN. EX. FAN CALL BELL, RAW POWER ETC. POINTS** includes the cost of main wires and PVC pipes from **LIGHITNG DB** to **DIFFERENT SWITCH BOARDS WITH REQUIRED CIRCUITS**.
- 2) Rates for **COMPUTER POWR POINTS** includes the cost of wires and PVC pipes from **UPS DB** to **COMPUTER POWER POINTS**.
- 3) Rates for **COMPUTER I/O** include the cost of **DATA** cables and PVC pipes from **SERVER SWITCH** to **COMPUTER NODES**.
- 4) Rates for **TELE POINTS** include the cost of **TELEPHONE** Wires and PVC pies from **EPABX/CRONE BOX** to **TELE. POINTS**.
- 5) Rates for **A.C./POWER POINTS** includes the cost of wires and PVC pipes from **A.C DB** to **DIFFERENT A.C. AND POWER POINTS WITH REQUIRE CIRCUITS** and switch socket as described.

**BILLS OF QUANTITIES FOR ELECTRIFICATION WORK OF INDIAN BANK
AT MOTERA BRANCH.**

Sr. No.	Description	Quantity	Rate	Unit	Amount
[A] ELECTRIFICATION WORK FOR BRANCH					
1	Supply installation testing and commissioning of Elect. Power IP42 Protection distribution boards of 18 G CRCA sheet steel mounted on angle iron frame grouted on wall, complete with copper busbars for phase neutral and earth DIN rails for MCB/ELCB and connector, terminal blocks mounting, fully wired with suitable size PVC insulated copper wire, terminations with lugs and chrome plated brass compression glands for incoming and out going wires and cable as under.				
[a]	TPN, MCB DB Double Door for UPS. Input	1		NO	
	Incoming				
	63 A 4 - Pole MCB-1 No				
	Outgoing				
	2 Pole RCCB 100 mA sensitivity 32 A - 3 Nos.				
	2 Pole 10 KA MCB 25 A - 3 Nos.				
[b]	SPN MCB DB Double Door for computer.	1		NO	
	Incoming				
	40 A DP MCB change over -1 No.				
	Outgoing				
	10 A SP MCB - 6 Nos.				
[c]	TPN MCB DB for A. C and Lighting as part of Main panel	1		NO	
	Incoming				
	63 A 4 Pole RCCB 100 mA sensitivity - 1 No.				
	Outgoing				
	25 A SP MCB G 10 KA - 4 Nos.				
	10 A SP MCB 10 KA - 8 Nos.				
[d]	UPS Out put DB	1		NO	
	2 Pole 10 KA MCB 40 A - 3 Nos in One enclosure				

Sr. No.	Description	Quantity	Rate	Unit	Amount
2	Supply intallation testing and commissioning of power contro,l panel cubicle type made of 16 G sheet steel painted by seven tank method and powder coated, pedestal mounting type having cable alley and switchgears under. Incoming 1 No. 100 A TPN SFU with 100 A HRC fuses, siemens L&T make with front operating handle. 100 A copper bus bars TPN & E. Indicating lamps - RYB Digital Volt meter, Ammeter , Frequency (VAH meter) Load manager meter with select switch inbuilt with set of CTs control fuses Outgoing 63A 4 Pole MCB-1 No 63 A TPN MCB-G -1 No. 10 A DP MCB-L -3 Nos. 40 A 4-pole MCB -2 No	1		NO	
3	Supply and installation of 415 V, 125 A TPN SFU with 100 A HRC fuses, on angle iron frame grouted on wall.	1		NO	
4	Supply and installation of stranded alluminium conductor. XLPE Insuleted IS approved and marked sheathed and insulated 1.1 KV grade armoured cable on wall with saddles on 20 x 3 mm M.S strips gourted on wall, spaced one mt.				
[a]	- Do - but 3.5 x 35 Sq.mm Aluminium cable.	25		RMT	
[b]	- Do - but 4 x 10 Sq.mm Aluminium cable.	25		RMT	
5	Cable end terminations of aluluminium armoured cable, with compression type cable gladns and lugs.				
[a]	- Do - but 3.50 x 35 Sq.mm Aluminium cable.	2		NO	
[b]	- Do - but 4 x 10 Sq.mm Aluminium cable.	2		NO	
6	Providing circuit wiring of following sizes of PVC insulated 650 V Gd. Stranded copper conductor flexible type wires in 1.5 mm thick MMS rigid PVC pipes, 25 mm/20mm dia including terminal juction box and installing pipe with saddles spaced 60 cm and making connection with lugs. FIA FRLS wires and FIA pipes ISI marked to be used.				
Note: Use Black for Neutral and Green for Earth					
[a]	2 Nos. of 2.5 Sq.mm and 1 No. of 1.5 Sq.mm for earth PVC insulated wires including making connections.	10		RMT	
[b]	2 Nos. of 6 Sq.mm and 1 No. of 2.5 Sq.mm for eath PVC insualted copper wires. Including making connections	12		RMT	

Sr. No.	Description	Quantity	Rate	Unit	Amount
7	Providing, installing testing and commissioning of 1.5 mm thick MMS ISI marked rigid PVC pipe for wiring, on wall, roof ceiling under floor with suitable saddles spaced 60 cm including inserting the existing hanging wires and making reconnections with suitable lugs or thimbles of following sizes. FIA FRLS ISI marked.MMS conduits				
[a]	25 mm dia.	35		RMT	
8	Supply and installing GI earth strip and wires and making connections with panels, switch, equipment etc. Stranded insulated wire not to be used for body earthing. Earthing should be visible without any joint. Use Lead washers at strip joints and terminations.				
[a]	G. I. Wire 8 SWG	30		RMT	
[b]	8 SWG bare copper wire.	30		RMT	
9	Providing, installing, testing and commissioning funnel type plate earthing with all necessary materials is &I Nut bolts, washers, clamps, 1" dia PVC watering pipe with plug earth strip connected to the earth electrode, protection GI pipe etc. as per IS code without brick masonry chamber.				
	Note:Please show the earth pit and earthing Electrode before installation				
[a]	Copper plate earthing 600 x 600 x 3.15 mm plate earthing.	1		NO	
[b]	600 x 600 x 5 mm GI plate earthing.	1		NO	
[c]	Providing brick masonry chamber as per IS code with M.S framed and hinged cover for earth electrode.	2		NO	
10	<u>GENERAL POINT WIRING</u>				
	Providing, commissioning point wiring (Light point, plug point, monitor power plug point etc.) in PVC FRLS rigid conduit pipe 1.5 mm thick (Concealed) system or on slab/wall, false ceiling running open in counter in top and bottom and partition by using 650/1100 Volt grade P.V.C insulated copper wire with I.S.I approved of 1.5 Sq.mm along with PVC insulated FRLS 1.5 Sq.mm copper earth wire for light, fan, 5A socket point and 4.0 Sq.mm (Also with 2.5 Sq.mm PVC insulated copper earthing wire) for 15 Amp point with colour code system as per I.E Rules/Regulations. All the wires to be drawn in rigid PVC conduit pipe of 1.5 mm thickness MMS 20/25/32mm dia size with all necessary accessories such as bends, Junction box etc. 18 Gauge M.S switch boxes shall be used.				

Sr. No.	Description	Quantity	Rate	Unit	Amount
	The top cover of the switch box shall be 3mm thick hylam plate type. The switch box size shall suitable to contain 5 Amp/15 Amp switches. 5/15 Amp socket outlet. M.S ready made junction boxes shall be permitted in pipe laying. All the pipes shall be fixed with G.I saddles clamps and wherever required to be embedded in wall. The point wiring shall mean the wiring from switch board to outlet box by including supply of 5/15 A SP control switch ceiling rose/lamp holder, 5A/15A socket 5/6 pin type. Modular switch, socket, plug, M.S box and plate cover to be used. FIA FRLS wires and FIA FRLS pipes, ISI marked to be used. Use Moduler MS Box for flush mounting and Moduler moulded box for surface mounting 15/16A switches to be with indicator The point wiring will include circuit wiring 2 x 2.5 sqmm + 1 x 1.5 sqmm for earth from MCB DB to lighting switch board and switch board to switch board. The no. of points will be limited to 8 point per circuit. No extra rate shall be paid for any circuit and subcircuit mains. Earth and Neutral wires should be take from the corresponding Lighting switch. Board The wiring is to be concealed type which includes cutting of groove in wall or floor laying conduit, replastering the cut part with good finish and colouring to match the wall, floor colour. Do not use casing capping if necessary use white oval pipe on surface. LIGHT POINT Note : Use Black for Neutral and Green for earth. [a] - Do - as per Item No. 10 for 1 Nos. of light point controlled by 1 No. of 5 Amp modular switch and plate with phase Neutral & earth wires. [b] - Do - for Fan point including SP modular switch, 5 Step humfree Electronic regulator, terminal box with hook for fan suspension from roof and plastering the opining. Existing fan hooks to be used. [c] - Do - for wall fan. [d] - Do - for Exhaust fan. [e] Bell point with bell push and ding dong bell. [f] Extension light point without control switch. [g] Sign board point with 2 x 2.50 sq.mm + 1 x 1.5 sqmm earth wire circuit from main panel to sing board at entrance with suitable junction box and 3 point connector. PLUG POINT 11 - Do - as per Item No. 10 for 1 No. 5 pin 5 Amp socket controlled by 5 Amp SP switch. Both are mounted on the same Lighting switch board with necessary inter connection & earthing the earth pin.				
		20		NO	
		6		NO	
		4		NO	
		3		NO	
		1		NO	
		3		NO	
		1		NO	
		8		NO	

Sr. No.	Description	Quantity	Rate	Unit	Amount
12	Providing and fixing computer Terminal Board providing 3 No 5 pin 6 Amp plug socket outlet controlled by 1 Nos. 16 Amp modular SP switch with light indicator as switch board with independent power supply from UPS unit, [Fixing 15 A switch above Table on Side partition/Wall and 3 Nos Socket Below Table] including internal wiring with 1.5 Sq.mm PVC copper wire. Moduler Switch, Socket Plug, Plate Cover, Box etc. complete as diercted. Including 2 x 2.5 sqmm + 1 x 1.5 sqmm earth circuit from DB for computer power. (Three boards in one circuit)	8		NO	
13	- Do - as per Item No. 12 for 1 No. 5 pin 6 Amp power socket with modular SP switch and 1 No 16 Amp Power socket outlet controlled by 1 No 16 Amp modular switch with indicator including circuit wiring. Six boards in one circuit for raw power.	4		NO	
14	- Do - as per Item No. 12 for 1 No. 3 pin 15 Amp power socket outlet controlled by 15 Amp modular switch with indicator including circuit wiring 2 x 2.5 sqmm + 1 x 1.5 sqmm for earth from TPN DB.	2		NO	
15	Proviidng metal clad 20 A plug socket for A/C point including 20 A SP MCB -G in M.S Box painted powder coated and polished wooden baord mounted on wall. Including circuit wiring from AC MCB DB to AC point. 2 x 4 sqmm + 1 x 2.5 sqmm circuit.	6		NO	
16	FIXING OF FIXTURES Labour charges for fixing, connecting & commissioning twin flourescent lamp fittings in false ceiling and pannelling with necessary material. Fixture will supplied by Bank.				
[a]	4 x 20 W or 2 x 40 W Mirror optic.	11		NO	
[b]	1 x 40 W flourescent box type fixtures/ mirror optic type.	8		NO	
[c]	Spolt Light on ceiling.	11		NO	
[d]	Fixing Fan including road/clamp on ceiling	5		NO	
[e]	40 W lamp. Including supplying and fixing	2		NO	
[f]	Exhaust Fan	3		NO	
[g]	Wall Fan	4		NO	
17	Supply and installation of Telephone terminal with jack socket RJ 11 connection on suitable modular junction box. Including 2 pair telephone wire in FIA rigid PVC conduit concealed in wall/floor from Krone to Telephone point, including necessary junction boxes etc. complete as directed. Make connection in krone box.	5		NO	

Sr. No.	Description	Quantity	Rate	Unit	Amount
18	Supply and installation of Krone tag block in suitable covered M.S Box installed on angle iron frame grouted on wall of size as under.				
[a]	20 Pair	1		NO	
19	Supply and installation of Telephone cable armoured PVC insulated cable of tinned high grade electrolytic copper wires in PVC Pipe, on wall with proper saddles of following size. Delton make.				
[a]	10 Pair 0.5 mm insulated.	20		RMT	
TOTAL COST OF "I"				Rs.	<u> </u>

NOTE :

- (1) Work is to be carried out as per code of practice confirming to I.E Rules and PWD specification.
- (2) All Electrical materials are to be of ISI marked/approved make as per list.
- (3) Payments will be for actual quantities used.
- (4) All holes and cuttings to be made with Electrical tools.
- (5) Carry out wiring as per given plan.
- (6) Deductions will be made for improper work
- (7) **Cost of floor junction Boxes is included in respective items No separate payment shall be made for this**

(SEAL & SIGNATURE OF CONTRACTOR)

Sr. No.	Description	Quantity	Rate	Unit	Amount
[II] SUPPLYING OF LIGHTING FIXTURES					
1	Supplying and providing Recessed mounting mirror optic designed for ceiling 2'-0" x 2'-0" of CROMPTON Make CRFQ 11236/P5 with VPIT Copper wire wound Ballast or equivalent Wipro / Philips make. Including 36 Watts PL-L Lamp of Philips make or Crompton or Equivalent make .	11		NO	
2	Supplying and providing Tube light 4'-0" long of CROMPTON Make CROM GOLD DSG 1114 DB or equivalent Wipro / Philips make. Including 36 Watts TLD Tube of Philips make or Crompton Equivalent make	8		NO	
3	Supplying and Providing Down Lighter of CROMPTON Make DDLH 218/N6 with Copper Ballast or equivalent Wipro / Philips make. Including 18 Watts PL-C Lamp of Philips make or Crompton or Equivalent make .	11		NO	
4	Supplying and providing Mini Mirrorlite of CROMPTON Make TLN 11W 1X11W CFL with including Tube light	2		NO	
5	Supplying and providing Ceilling Fans 48" dia of Crompton make or Equivalent make .	5		NO	
6	Supplying and providing Exhuast Fan 9" dia with Crompton make or Equivalent make .	3		NO	
7	Supplying and providing Wall Fans 16" dia of Crompton make or Equivalent make .	4		NO	
TOTAL COST OF "II"					

(SEAL & SIGNATURE OF CONTRACTOR)

[III] DATA CABELLING WORK

- | | | | |
|---|--|---|----|
| 1 | Providing data cable information out let AT & T, lucent, D Link Brand, Molex make point connection with RJ-45 connector, junction box with cover in making connection etc complete as directed. Including 'Supply and installation of computer data cable CAT-6 of AT & T, lucent, D Link Brand , Molex make including PVC pipe 25mm dia 1.5 mm thick, recessed in counter necessary, ceiling, wall .include RJ 45 connector on both end etc complete as directed..The conduit to be concealed in wall or floor by cutting , laying conduit replastering and colouring to match the wall or floor colour | 8 | NO |
| 2 | Supply and providing Cat-6 patch cord wire of AT & T, Lucent, D Link ,Molex Make with RJ-45 connection on both and connector (2.0 mt. Long). Factory built | 8 | NO |
- Patch cord shall be company made. Patch cord must be handed over to Bank official and Reciept must be optained and enclosed along with bill**

Sr. No.	Description	Quantity	Rate	Unit	Amount
3	- Do - as above but 1.0 mt. Long Cat-6 patch cord wires. Factory built	8		NO	
4	Supplying of 24 port Cat - 6 patch panel of 'D' Link make complete as directed.	1		NO	
5	Supplying of 9U Rack with lockable door of 'D' Link or Equivalent make complete as directed.	1		NO	
6	Supplying Installation & Testing of 24 port unmanaged 10/100 mbh switch of 'D' Link Make	1		NO	
7	Supply and installation of computer data cable CAT-6 of AT & T, lucent, D Link Brand , Molex make including PVC pipe 25mm dia 1.5 mm thick, recessed in counter necessary, ceiling, wall .include RJ 45 connector on both end etc complete as directed..The conduit to be concealed in wall or floor by cutting , laying conduit replastering and colouring to match the wall or floor colour	30		RMT	
8	Installation of Rack, Patch panel , 16 port switch including patch panel connection inspection and testing and commissioning complete as directed.	1		JOB	
TOTAL COST OF "III"				Rs.	<u> </u>

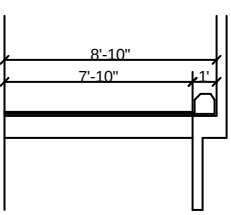
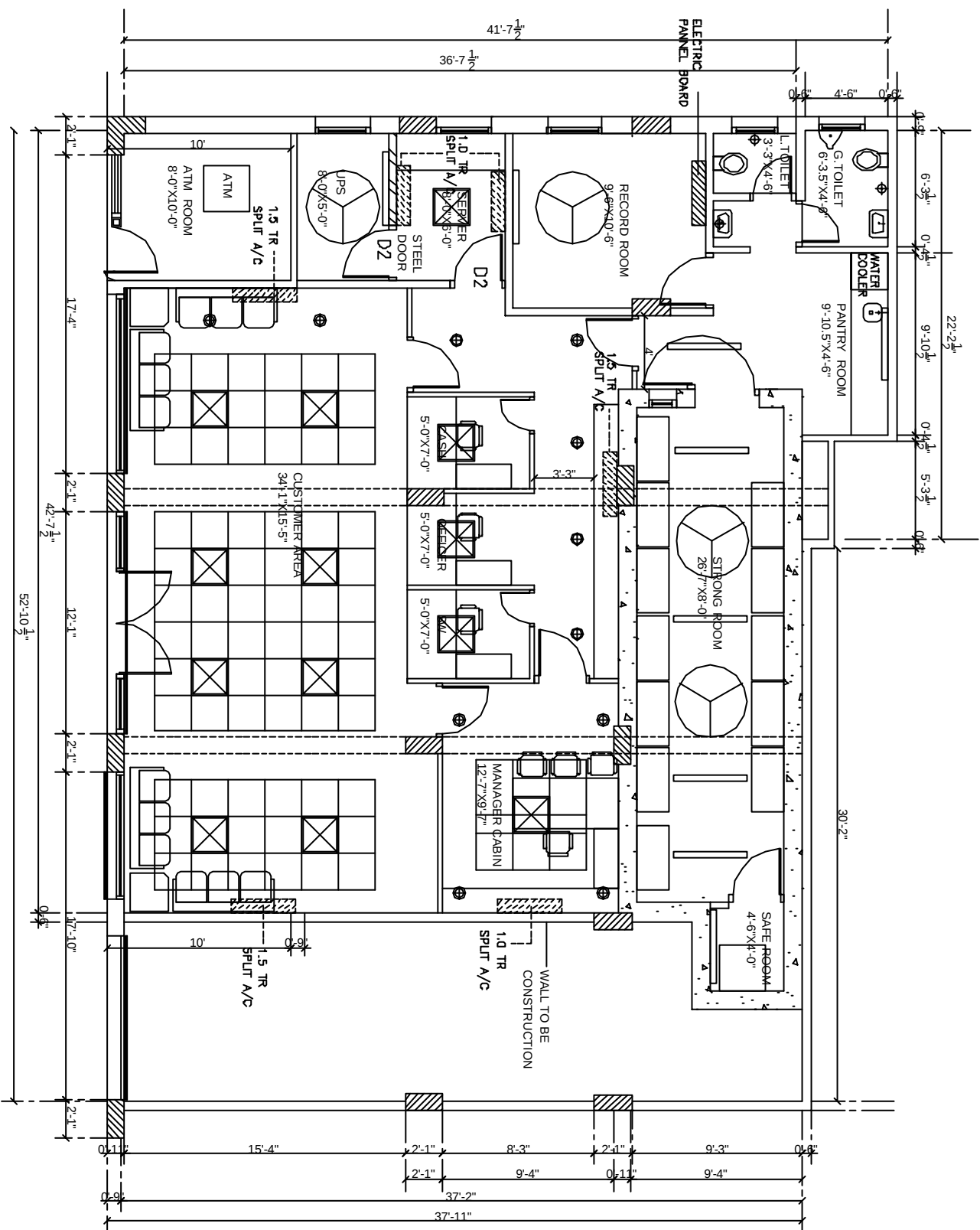
Note:

- (1) **Cost of floor junction Boxes is included in respective items No separate payment shall be mabe for this.**

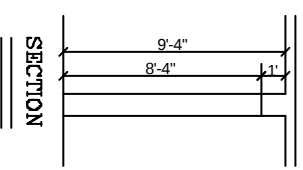
SUMMARY

[I] ELECTRIFICATION WORK	Rs.	<u> </u>
[II] SUPPLYING OF LIGHTING FIXTURES	Rs.	<u> </u>
[III] DATA CABELLING WORK	Rs.	<u> </u>
TOTAL COST OF A [I+II+III]	Rs.	<u> </u>

(SEAL & SIGNATURE OF CONTRACTOR)



SECTION ENTRY ROOM



SECTION

ALT-4 FINAL

PROJ. INDIAN BANK MOTERA BRANCH yadav sir 9427816344	
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TITLE GROUND FLOOR PLAN SCALE : 1"=8'-0" DATE : 28-06-2012

ARCHITECTS :
VIJAY SAHIWANI & ASSOCIATES
 65, SAHYADRI APARTMENT
 NAVRANGPURA, AHMEDABAD.
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