

INDIAN BANK

TENDER DOCUMENT
FOR
INTERIOR, FURNISHING
AND ELECTRICAL WORKS
IN
INDIAN BANK'S BRANCH & E-LOBBY
AT
SEC-23A,
FARIDABAD

Office of the
Zonal Manager
Indian Bank, Zonal office,
SCO-244-245, FF& SF, Sector-12,
KARNAL – 132001

ARCHITECTS:
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LAST DATE & TIME OF SUBMITTING TENDERS: 17-06-2017 upto 3.00 P.M.
DATE & TIME OF OPENING OF TENDER: 17-06-2017 at 4.00 P.M.

Name of the Contractor :

DETAILS OF TENDER

TENDER FOR THE FURNISHING/ELECTRICAL WORKS OF INDIAN BANK'S BRANCH & E-LOBBY AT SEC-23 A , FARIDABAD

1. Details of work to be done : Interior/Furnishing and electrical works of Indian Bank's Branch & E-Lobby at Sec-23 A, FARIDABAD
2. Form of contract : Item wise rate
3. Earnest Money : Rs. 16,000/- (Sixteen Thousand only) in form of Demand draft in favour of Indian Bank, payable at Karnal
4. Period of contract/
time of Completion : 4 weeks
4. Last date & time for receiving
of sealed tender : **17-06-2017 UPTO 3.00 P.M.**
5. Liquidated damages for non
completion of work in time : 1.0% of the contract value per week
subject to a max of 10% contract
value.
7. Defect Liability period : 12 months (Twelve months) from the
date of virtual completion as
certified by Architect/employer.
8. Retention amount for 12 months : 8% of the total bill (This will include the earnest
money already deposited
9. Period of submitting of
Final bill. : 10 days from the date of completion.
10. Mobilization Advance/
Secured Advance : No. Mobilization Advance/secured
Advance will be given to the
Contractor.
11. Place and date of opening : **17-06-2017 at 4.00 PM** in the office
of the Zonal Manager, Indian Bank Z.O.
S.C.O-244-245,F.F & S.F, Sector-12,
Karnal (Haryana)

GENERAL CONDITIONS

1. The contractor shall sign each page of this tender.
2. Payment to the contractor Agency shall be made as per actual work done of site.
3. Quantity of work may increase or decrease of the site as per requirement, which shall not affect the rates quoted by the contractor.
4. Furnishing works including electrical works etc. shall be done to the complete satisfaction of Bank and architect-in-charge.
5. All teak/cedar wood/rubber wood to be used should be knotless which is to be polished with all background surface preparation course maintaining the visibility of wood grains.
6. The rates to be quoted shall include the transportation, VAT or all other applicable taxes and nothing extra would be paid on whatsoever ground.
7. The contractor agency shall keep particular vigil on his workers/carpenters/ painters etc. to maintain very good workmanship of all items, failing which no payment shall be made and no claim of material/labour used shall be made to him in any case, and the same work shall be executed by him again without charging any extra cost.
8. The rates should be written both in words and figures without any erasers and alterations. However, if errors are made, the wrong figures or words must be neatly scored out under full signature of the tenderer and the correct figures and words neatly rewritten. Over writing is not permitted. White fluid should never be used for corrections.
9. In the event of an error occurring in the amount columns as a result of wrong multiplication and extension of unit rate and quantities, the unit rate shall be regarded as firm and the amount shall be amended accordingly.
10. Any tender / quotation containing clerical or arithmetical mistakes shall be amended as per actual.
11. Any addition, alteration or correction shall be signed and stamped properly.
12. All items to be executed as per drawing, if any change is required, the same shall be brought to the notice of architect-in-charge.
13. Incomplete tenders/quotations will be rejected.
14. Any addition, alteration or correction in the tender shall be signed and stamped properly by the contractor.
15. All materials to be used should be of specified makes only. The Bank/ Architect may ask the contractor to produce the Bill of purchase of the specified material from the authorized dealers of the respective items..
16. Contractor agencies are advised (before quoting the rates) to inspect the site of the proposed work. He must go through all drawings and specifications and documents. Any clarification, if required, may be taken from the Architect before the start of the work.

17. The Bank reserves the right to accept/reject any tender/quotation without assigning any reason.
18. Any work got executed in poor workmanship as pointed out by the Architect/Bank's Official will have to be dismantled and redone by the Contractor on his own cost.
19. No advance payment shall be made to the contractor on supply of any material supplied at site for execution, payment shall only be made on execution of any concerned/particulars item.
20. The rates shall include the cost of coat of anti termite treatment on wooden frame, commercial ply, boards and other materials being used in work.
21. Rates for partitions, paneling, wall cladding and false ceiling shall include cutting and making good necessary cut-outs/chiseling to be made for electrical conduits, switch boards etc.
22. Bank shall not be responsible for any lose or damage to the contractor/labour due to any natural calamity during the course of construction. Contractor is liable to make good all the damages if any, till the work is completed and handed over to the Bank authorities.
23. Any payment to the contractor on account of execution of work, whether it is running payment of final, shall be verified by the architect-incharge.
24. The work has to be completed within the stipulated time of completion. In the event of delay, relevant penalty clause will be invoked. However, if the work is delayed due to the reasons beyond the control of the contractor, he should keep intimating the Bank explaining, therein the reasons for such delays, immediately and if in the opinion Bank's authorities the delay is justified, the contractor shall be granted extension in time limit.
25. Bank may award the work in part or whole to a single party or any other party.
26. It may please be noted that the bank is not bound to allot the work to the lowest party. And as such, the allotment of work shall be based on workability of rates quoted by the contractor on account of quality.
27. The bank reserves the right to reject any or all the tender without assigning any reason whatsoever.
28. The earnest money deposited shall not carry any interest and will be refunded to the unsuccessful tenders.
29. Earnest money paid by the contractor shall be forfeited by the bank if contractor fails to undertake the job if he is communicated about acceptance his rates/tender
30. All the rates quoted are inclusive of removal of existing counter, partitions, and wiring. Rubbish /debris collected during the progress of work, rejected materials etc.
31. The contractor shall not directly or indirectly sublet the work to other party without written permission of the bank.

32. The quantities mentioned in schedule are provisional and likely to increase /decrease to any extent or may be omitted thus altering the aggregate value of the contract. No claim for loss of profit/business shall be entertained on this account.
33. Entire work has to be done in Bank's approved colour scheme, design and pattern.
34. The Bank reserves the right to distribute the work for which quotations have been called, among more than one parties, if found necessary. No claim in this respect shall be considered and the contractor agrees to cooperate with other agencies appointed by the Bank.
35. All the workers of the contractor must be properly covered by an insurance policy under "Workman's compensation act" and "Fatal accidents Act". The contractor of his own expenses arrange to effect and maintain until the virtual completion of the contract, insurance policy in the joint name of Bank and the contractor against his risk to be retained by the Bank until the virtual completion of the work, and indemnify the Bank from all the liabilities arising out of such events. In case delay, contractor shall arrange to extend insurance policy till work is completed
36. The contractor shall furnish well in time before work commence of his own cost, colour samples, samples of materials of workmanship that may be called by Bank's Architect/engineer for approval. Rates quoted shall cover for such preliminary work
37. All the glass panes, door handles/hinges, electric fittings, fans, furniture, records, floors etc. are to be thoroughly cleaned offer the work is completed.
38. The rates quoted by the contractors shall be firm throughout the duration of contract (including extension of time if any granted) and will not be subject to any fluctuation due to variation-in cost of material and labour.
39. Conditional tenders are liable to be rejected.
40. The successful tenderer is bound to carry out any item of work necessary for the completion of the job even those such items are not included in schedule of quantities.
41. If in any case of work required to be abandoned, the contractor shall not be entitled for any claims and he will be paid as per the actual work done till that period. If deemed fit.
42. Decision of the Bank shall be final and binding on any matter connected with the work. The matter of any dispute shall be decided after mutual discussions based on the terms and conditions of the contract. However, if the matter cannot be resolved there the same shall be referred to the respected qualified persons in agreed to both the parties and his opinion shall be binding on both the parties. However, this is recourse of any legal action in this regard.

43. If any stage during the progress of work, it is observed that the contractor is not progressing the work with due diligence, care of lagging much behind the schedule of fails go get up the work despite instructions from Bank's architect, the Employer (Bank) reserves the right to terminate the contract with 7 days notice. In such case the contractor shall be liable to pay the employer any extra cost involved for the completion of the said work and will not obstruct any way in completing the work through other agency. After completion of entire work the contractor shall be paid for the actual work executed by him at the quoted rates after deducting any claims, damages. In case of such termination the security deposit held by the bank will be forfeited.
44. Contractor shall follow all rules/regulations in force and should posses the license for employing labour and also follow all safely measures, labour bye laws and shall be responsible for any lapse.
45. At any stage i.e. during the execution of work, any kind if change reqd. whether it is in design or specification, the same has to be in-corporate by the contractor.

CONTRACTOR

ARCHITECT

INDIAN BANK

List of Approved Makes/Brands for Material

INTERIOR FURNISHING ITEMS

S.No	Description	Material	1. Colour Scheme 2. Code No. 3. Name of Manufacturere
1	Flooring	Vitrified tiles 600 x 600 mm size	1. Camel Brown (Preferably light shade) 2. Johnson, Bell NITCO orequivalent
2	False Ceiling- Banking Hall	12mm thick Gypsum Board & 12mm thick Mineral fibre tile	1. White 2. India Gypsum & Armstrong, Gyproc, USG Ceiling or equivalent
3	False Ceiling- Cabins	12mm thick Mineral Fiber tile 600 x 600 mm	1.White 2. Armstrong , Gyproc, USC Ceiling or equivalent
4	Partitions	Frame work : Made of 50 x 50 mm hard word like sal wood/hillock or equivalent	
		Plywood :6mm thick commercial ply wood witj ISI certification	1..Archid ply, Duro Ply, Century Ply, Sharon Ply, Green ply or equivalent
		Laminates : 1.0mm thick laminate	1.Fusion Maple (wood finish) 2..Formica, Euro lam, Green lam, Merino or equivalent

5	Counter/tables	Plywood: 19mm /12mm/6mm thick commercial plywood with ISI certificate	1.Archid Ply, Duro Ply, Century, Sharon Ply, Green Ply, or equivalent
		Laminate: 1.5mm thick for table top and others 1.0mm thick laminate	1.Fusion Maple (wood finish) 2.Formica, Euro lam, Green lam, Merino or equivalent
6	Column Cladding	Laminate	1.Fusion Maple (wood finish) with regular skirting 2..Formica, Euro lam, Green lam, Merino or equivalent
7.	Wall Painting	Acrylic Emulsion	1. Sugar Cane 2. Asian Paints, Berger Paints, ICI, Nerolac or equivalent

List of Approved Makes/Brands for Material

ELECTRICAL MAKE OF MATERIALS

1	PVC fittings	Kalinga / AKG / Precision
2	Wires – PVC insulated copper	Finolex / Havells/ Kalinga
3	Cables (armored)	Gloster / Nicco / Havells / Evershine KDK
4	A.C Starter, Plug Socket	MDS / Crabtree / Northwest
5	Light & Power switch socket	Crabtree-Sapphire series /MK Modular Type/Anchor
6	Telephone Socket	RJ-11 Crabtree
7	DB MCB	MDS/ Havell's/MK
8	MCB	MDS G series / Havell's C series/MK
9	Telephone cable	.51 Netco / Delton / National
10	Light fitting	PHILIPS/Wipro/Crompton
11	Fuse Switch	L&T / Havell's
12	Ceiling/ Wall fan	Crompton / Orient / Khaitan
13	Exhaust fan	Crompton / Orient / Khaitan
14	Cable gland	Brass heavy type good quality
15	Distribution board	MDS / Havell's
16	MS conduit	Heavy duty with ISI mark 16 SWG
17	Starter & single phasing preventer	SEIMENS
18	SPN, TPN, Sheet metal	Havell's / MDS
19	Pipe Metal	M.S Conduit 16 S.W.G
20	Metal Pipe Fittings	Cast iron with thread & inspection cover
21	Pipe PVC (Rigid Conduit)	Kalinga / AKG / Precision

22	PVC fitting for Rigid	-Do-
23	PVC Roll Pipe	Super Dalda or equivalent heavy guage
24	PVC Casing & Casing Fittings	Good quality heavy guage (colour white)

SCHEDULE OF QUANTITIES (SCHEDULE - A)

(M/S Narender Consultants)

**Sub: Furnishing/Electrical work in Indian Bank's Branch Office at Sec-23 A FARIDABAD Z/O
Karnal**

S.No.	ITEM	QTY	UNIT	RATE (Rs)	AMOUNT (Rs.)
	FURNISHING WORKS				
1 (A)	CASH CABIN COUNTER				
	P/F Cash Cabin counter as per plan, having overall depth of 2' -6" wide 19mm comm. Block board all other places in between low height partitions. The customer top to be 1' -3" wide & 1'-2" clear above the table top. All vertical/exposed surfaces such as front of counter, drawer, counter top, etc are to be finished with 1.0mm th. laminate of approved shade. The item includes cost of customer top in laminated board / glass, polishing the counter & drawer units from inside with 2 or more coats of spirit/wax polish after preparing base pimer, putty etc. All teak surfaces to be spirit polished, complete with all hardware such as locks, handles, ball catchers, wire manager, hinges, as approved by the Architect complete as per details and drawings. The cashier counter shall also have drawer unit comprising of 3 No.s lockable drawers per unit per seat to put currency notes into it. (as per plan) The cost include footrest, sliding keyboard drawer, cable manager, computer trolley all EBCO make. Granite to be provided on transaction top.	5	Rft		
1 (B)	COUNTERS : Running counters for officer 2'-6" deep with side drawer and storage below..All vertical/exposed surfaces such as front of counter, drawer, counter top, etc are to be finished with 1.0mm th. laminate of approved shade. The item includes cost of customer top in laminated board polishing the counter & drawer units from inside with 2 or more coats of spirit/wax polish after preparing base pimer, putty etc. All teak surfaces to be spirit polished, complete with all hardware such as locks, handles, ball catchers, wire manager, hinges, as approved by the Architect complete as per details and drawings. The cost include footrest, sliding keyboard drawer, cable manager, computer trolley all EBCO make.	24	Rft		

2 (A)	FULL HEIGHT PARTITIONS P/M.F. wooden Partitions of 7' ht and full height as per drawing Solid or Partly glazed all places with 1mm laminate over 6mm thick commercial ply on both sides on 2"x2" Morentee wood frame work @ 2'-0" c/c both ways including 8mm thick clear glass ,frosted film as per design where required , (no deduction shall be made for glass) All grooves and design in straight line is inclusive in the rates. polish is also included in the rate. Moulding/Beeding for glass shall be in solid 1st class.c.p.teak wood.The cost include providing & fixing of requisite doors including all fittings etc complete.	885	Sq.Ft.		
(B)	LOW HEIGHT PARTITIONS 4'-6" ht without doors				
	(i) Low height solid partitions	80	Sq.Ft.		
	(ii) Low height partly glazed partitions	100	Sq.Ft.		
(C)	CASH CABIN PARTITION as per Bank's approved design including door	65	Sq.Ft.		
3	P/M/F/ Flap door	30	Sq.Ft.		
4	(a)1/2" thick toughened glass Fixed glazing in cash cabins and glass partition 1'-6" high on counters with SS fittings or wooden frame as required	70	Sq.Ft.		
	(b) Providing/ fixing of frosted film as per design on glass panes as required.	225	Sq.Ft.		
5	(i) P/F of Powder Coated Aluminium Glazed Doors & Window in approved colour with 12mm toughened glass as per design (at main entrance)	60	Sq.Ft.		
	(ii) P/F Floor Spring ISI approved	1	Nos.		
	TOTAL				

SCHEDULE OF QUANTITIES (SCHEDULE - B)

(M/S Narender Consultants)

Sub: Table, Side racks and Electrical fixtures in Bank's Branch at Sec-23A, Faridabad Z/O Karnal

S.No.	ITEM	QTY	UNIT	RATE (Rs)	AMOUNT (Rs.)
TABLES, STORAGES AND SIDE RACKS (CREDANZAS)					
1	P/F/S. TABLES made out of ¾" thick commercial board with facing of laminate on all seen surfaces having foot rest in ¾" commercial board with painted all around. Polish to have on all margins and mouldings .One drawer & filing box shall have the M.P. locks. Shutter to have ¾"x3" medium quality s/s hinges & magnetic catcher .Provision to be made on table/counters of cable manager for cables . Readymade Key board and Cp.u. trolley of Ebco make				
	(i) Table 4'-0" x 2'-0" (T3)	2	NO		
	(ii) Table 4'-6" x 2'-6" (T2)	1	NO		
2	P/F/S. Center table & Corner table made out of 2"x2" legs laminated on ¾" commercial board with top of ½" plate glass toughned. All seen surfaces to be laminated.				
	(i) Center table - 1'-6"x 3'-0" (T6)	1	NO		
	(ii) Corner table - 1'-6"x 1'-6" (T5)	1	NO		
3	P/M/S side credenza made out of ¾" thick commercial board with facing of laminate 1mm thick in all seen surfaces having 2 openable flap & four drawers with all accessories and all drawers run on telescopic channels .All hardwares to be of s/s like ball catchers ,handles etc.				
	(i) S1 : 3'-0" x 1'-6" x 2'-6" (ht)	1	Nos.		
	(ii) S2 : 3'-0" x 1'-3" x 2'-6" (ht)	4	Nos.		
ELECTRICAL FIXTURES AND FANS					

4	Providing & fixing in position, effecting proper connection testing & commissioning of following fixtures , call bells etc fixing of connectors including providing flexible conduits with glands hardware, raw plugs complete as required.				
(i)	Providing /fixing of 36 watt LED Light Fixture (2'x2') Philips/Wipro/Havell's	29	nos.		
(ii)	Providing /fixing of 18 W LED down lighter Spot Lamps. Philips/Wipro/Havell	6	nos.		
(iii)	Providing/Fixing of 1x36 watt TL LED type Strip Tube light fixture. Philips/Wipro/Crompton	16	nos.		
(iii)	Providing/Fixing of Philips/Wipro i/c yellow tubes for cove lights	18	nos.		
(iv)	Providing/Fixing of 2' long tube light fixture (cash cabin)	1	nos.		
(v)	Providing/Fixing of Wall mounted fan with oscillating mechanism 300mm/400mm 3 speed regulator of any make including grouting steel raw plugs on walls / columns complete including wiring from the socket to fan complete.	8	nos.		
(vi)	Providing/Fixing 48" dia ceiling fan including providing fan hook etc complete with providing & fixing modular step regulators & including making necessary connections.	2	nos.		
(vii)	Providing/Fixing 225mm dia nominal low noise plastic ventilation fans of any make including cutting holes and fixing fans as required. made with louvers	1	nos.		
(viii)	Providing/Fixing call bell buzzer with indicator & reset facility operating on 230 volts (wiring is counted as light point).	6	nos.		
	TOTAL				

SCHEDULE OF QUANTITIES (SCHEDULE - C)

(M/S Narender Consultants)

Sub: Electrical Work in Bank's Branch at Sec-23A, Faridabad Z/O Karnal

S.No.	ITEM	QTY	UNIT	RATE (Rs)	AMOUNT (Rs.)
	MAIN PANEL BOARD				
1	Design , manufacture supply, installation , effecting proper connection, testing & commissioning of 1.62/2.0mm thick sheet steel fabricated surfaces / recessed mounted , main panels complete with Aluminium bus bars, separate neutral links for each phase connectors earth bus phase barriers cover interconnecting copper wires, including epoxy powder coating as per technical specifications as required :- Incomer : 160 Amp TP MCCB - 1no. 0-500V CTs - 3 nos.9Current Transformers) 3 nos. indication lamps with fuses - 1 set 200A 4P copper bus bar - 1 Set Outgoing 125A 4P Change Over Switch 63A 4P MCB - 6nos. 63A DP MCB - 6 nos.	1	set		
2	P/F 200 amp MCCB switch near Meter in 16 swg sheet cubicle box of L 7 T DH - 200 25 KA (Near meter) complete with incoming & outgoing connections.	1	Set		
	CABLE FROM METER TO PANEL BOARD				
3	Cables : Supply, laying , fixing in position of the following size PVC insulated aluminium conductor armoured cables as per IS : 1554 i/c fixing the clamps on trays, on supports including end terminations with single compression glands, lugs complete.				
	3.5x50 sq.mm armoured cable.	25	rmt		
	DISTRIBUTION BOARDS				
	Distribution boards : Design, manufacture, supply of 1.6mm thick sheet steel fabricated surface/ recessed mounted, vertical configuration , double door type , distribution boards (factory made with powder coating)				
4	<u>DB for AC</u>				

	4 way TPN DB , Incoming : 63 Amp. 4 pole MCB Outgoing :12 nos. SP MCB	1	Set		
5	<u>DB for Light and Power</u>				
	4 way TPN DB , Incoming :40 A 4 pole MCB , Outgoing :12 nos. SP MCB	1	Set		
	SUB MAINS WIRING (including cost of PVC Conduit)				
6	From panel to AC DB : 4x 16Sq. MM + 1x 2.5 Sq.mm	20	rmt		
7	From Panel to Light and Power DB : 4 x 6 Sq.mm + 1 x 2.5 sq. mm Cu Wire	20	rmt		
8(a)	CHEMICAL EARTHING				
	Supplying & installation of Chemical earthing with following specifications : Specification of Electrode (i) Electrode : it should be maintenance free copper bounded, copper bounded strip must be placed centrally inside the electrode (ii) The space inside the electrode should be tightly filled with crystalline conductive mixture containing natural elements and compounds Structural Specification Electrode Diameter : 76 mm Electrode Length : 3000mm Thickness : 0.254mm Internal Strip size : 50 x 06 mm Connection Terminal Die : 14 x 02 mm Material of Construction : Copper Bonded Copper Bonding : 120- 150 micron Compound Filled : Crystalline mixture Technical specifications (i) Conductive concrete must be environmentally neutral (ii) It must set up in situ to form a solid and must not leach, dissolve or migrate into soil or water (iii) May installed dry or mixed with water to form slurry for horizontal or vertical applications (iv) The material must be maintenance free and not require recharging of any kind i.e. watering, chemical or salts (v) The material must have a dry resistivity of less than 10 ohm cm and an ability to reduce corrosion by atleast 80%	2	No.		

(b)	10 Sq. MM copper wire with PVC Conduit	40	Mtrs.		
	POINT WIRING i/c CIRCUIT WIRING				
9	Point wiring : Wiring for the following light/ wall fan, exhaust fan , call bell points with 1.5 sq.mm PVC insulated stranded Cu conductor wire in concealed/ exposed medium grade ISI marked PVC conduits as called for in specification including providing 1 sq.mm insulated Cu. earth wire including cost of circuit wiring from DB to the point with 2x2.5 sq.mm + 1x1.5 sq.mm complete with providing & fixing of accessories like saddles, clamps, flexible pipes , dash fasteners etc . Modular switches with face plates , switch boxes, grid plates are included in the above rates. The rate shall include cost of circuit wiring. Not more than 6 points in a circuit.				
(a)	Primary points	54	nos.		
(b)	Loop points	25	nos.		
(c)	Wall mounted fan points with provision of 5 pin socket near the fan point.	8	nos.		
(d)	Wiring for sign board point using 2 x 2.5 Sq.mm Cu wire in PVC Conduite from Panel board to sign board	1	nos.		
	The above work includes extensions of points will flexible conduits as required to table bottoms etc as required.				
10	Wiring for 5 amp light plug point with 2x2.5+1x1.5 sq.mm PVC insulated Cu. Conductor wires in ISI marked PVC conduits including providing & fixing switch box, 5 amp socket, 5 amp switch complete of modular type (Maximum 5 points per circuit, circuit shall not be paid extra). (FRLS type approved make wires)	13	nos.		
11	Wiring of 15 amp power sockets with 2x4+1x1.5 sq.mm PVC insulated stranded Cu. Conductor wired in ISI marked PVC conduits including providing & fixing switch box, 5 amp socket , 5 amp switch complete of modular type (Maximum 2 points per circuit , circuit shall not be paid extra) (FRLS type approved make wires)	14	nos.		

12	(i) Wiring of AC points (for High wall solit Units /Single phase Cassette ACs) with 2x6+1x2.5 sq.mm PVC insulated stranded Cu. Conductor wires in ISI marked medium grade PVC conduits above ceiling including cost of conduits, wall chases complete as required including providing 25 A metal clad socket with SPMCB in sheet steel enclosure (one point per circuit, circuit shall not be paid extra).(FRLS type approved make wires)	7	nos.		
	(ii) Providing & fixing of Anchor Roma 25A power socket near indoor units for supply to split type Acs and near outdoor unit for Cassette AC	7	nos.		
13	Gen set wiring :-				
	(i) Supply laying fixing main power with 3.5 core 50 Sq.mm PVC insulated, PVC sheathed Alu. Conductor, 1100 v. grade armoured cable complete with 02 nos 8 SWG bear GI. wire as running earth.	30	Mts		
	(ii) End termination of 3.5 core 50 Sq.mm armoured cable,complete with brass cable gland , Alu. Lug, PVC tape.	1	End		
	TELEPHONE SYSTEM				
14	Wiring for telephone points with 2 pair 4/5 pair .51mm dia ATC (annealed tinned Cu wire) with PVC insulated PVC sheathed telephone cable from tag block to the point including providing ferrules at both ends and termination at both ends including providing & fixing RJ 11 outlet, faceplate and mounting box complete of modular type (where 2 such points are shown, 2 such wires shall be provided) This work includes providing PVC conduits in chases from the raceway to the point.	8	nos.		
15	Supplying, laying, effecting terminations, testing and commissioning of 0.51mm dia Cu. Conductor, twisted , colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing &fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
(a)	1x10 pair armoured cable from telephone connection	30	rmt		

	in the premises to the crone box				
(b)	Supplying & fixing 20 pair krone tag block with enclosure.	1	nos.		
	TOTAL				

SCHEDULE OF QUANTITIES (SCHEDULE - D)

(M/S Narender Consultants)

Sub: Miscellaneous Works in Bank's Branch at Sec-23A, Faridabad Z/O Karnal

S.No.	ITEM	QTY	UNIT	RATE (Rs)	AMOUNT (Rs.)
	PIN UP/ NOTICE BOARD				
1	Providing & fixing soft board with necessary framework with 12mm commercial plywood on top jolly board to be fixed finished with fabric @ Rs.80, with necessary mouldings duly polished along the periphery	24	sft		
	STORAGE UNIT				
2	P/M/F wooden filing cabinets 1'-6" deep all heights including rear credenza behind officers' tables ,f ¾" thick commercial board as per design. All horizontal surfaces such as storage top etc to be finished with 1.5mm laminate. All vertical/exposed surfaces are to be finished with 1.0mm th. laminate of approved shade. Cabinet to have back ply commercial fixed with nail & glue in side to be painted in white enamel colour in 3 coats to bring even surface and all front margins on edge to be polished in natural/ normal or any other shade as per given in drawing. The cost includes the cost of S.S.hinges ,handles (size 4"), Godrej locks & ball catcher, tower bolt etc complete in all respect. All accessories in stainless steel approved make.	175	Sft		
3	Providing/making of enclosure in 19mm th plywood for Electrical Panel , 1'-3" deep with louvers in front shutters (area of louvers should not be less than 50% of the shutters area) including all fittings etc complete. The item include the cost of lamination on all exterior surfaces, polishing of louvers and applying synthetic enamel paint on inner surfaces and fittings etc complete. All vertical/exposed surfaces are to be finished with 1.0mm th. laminate of approved shade. The cost includes the cost of S.S .hinges ,handles (size 4"), Godrej locks & ball catcher, tower bolt etc complete in all respect. All accessories in stainless steel approved make.	35	Sft		
	<u>FALSE CEILING</u>				
4	P/F gypsum board false ceiling as per gypsum India manual i/c 2/3 coats of plastic paint over primer coat as per design.	435	Sq.Ft.		

5	P/F armstrong acoustical suspended ceiling system with 15mm thick FISSURED tiles having regular edges complete as per manufacturers specifications as per drawing (to be provided in Ground floor and strong room only)	810	Sq.Ft.		
6	Making of coves around Armstrong ceiling for cove lights	88	Rft.		
	<u>Façade on Entrance Door</u>				
7	Providing/ Fixing of Aluminum Composite panel in approved colour and shade as required	100	Sq.Ft.		
8	PANELLING P/M.F. wooden panelling upto 4' ht in banking hall by mean of 1"x2" frame work for levelling of wall @ 2'-0"c/c both ways & then nailing 2/8" commercial ply with facing of 1mm laminate with nail groove joint as per design.	550	Sq.Ft.		
	PAINTING /POLISHING/FINISHING				
9	P/A P.O.P. Punning on walls to make them well levelled in main banking hall only	700	Sq.ft		
10	P/A plastic Emulsion paint of approved shade over primer coat on walls including scraping/ removing of existing paint(in strong room , outside strong room, UPS, record, Pantry & Toilets)	2800	Sq.ft		
11	P/L texture paint on walls of approved shade as directed/ specified as per drawing (in main banking hall only)	700	Sq.ft		
12	P/A synthetic enamel paint, in 3 coats on rolling shutter, doors, windows and grills etc i/c a primer coat of red oxide.	200	Sq.ft		
	TOTAL				

SCHEDULE OF QUANTITIES (SCHEDULE - E)

(M/S Narender Consultants)

Sub: Server Room in Bank's Branch at Sec-23A, Faridabad Z/O Karnal

S.No.	ITEM	QTY	UNIT	RATE (Rs)	AMOUNT (Rs.)
	FURNISHING WORKS IN SERVER ROOM				
1	RUNING COUNTER SERVER COUNTER				
	Providing and fixing tables made out of 19mm thk comm board of approved make cladded with 1.0 mm laminate (color with vertical grain) as per design in all visible areas. All the exposed edges to be covered with wooden lippings and moldings dulyx edges to be covered with wooden lippings and mouldings duly melamine polish. The drawers to be made out of 19mm thk comm. board duly laminated in the front ,sides to be made out of 12mm comm. plyw and bottom to be made out of 6mm comm. ply and it should play in drawer sliding channels. The inside of the drawer and the table to be duly paint . A legrest to be provided duly paint made out of 3"x2" thk wooden section. A shutter to be made by 19mm comm. board cladded with 1.0 mm laminate .The necessary locks handles to be provided in each drawers and shutters. 3" x 1/2" wooden skirting to be provided in all visible areas duly polished. On top of the Branch managers table 8mm thk glass to be placed duly edge polished. The table should have key board tray and tea tray duly finished with 1.0 mm laminate. The necessary wire managers to be provided on the tables and provision for lights to be kept if required in the front of the table.	11.5	Rft		
	UPS SYSTEM				
2	<u>DB for UPS Input</u>				
	63 Amp Dipole MCB	2	nos.		
3	<u>UPS Output</u>				
	P/F 40A DP MCB in MS box (for UPS output in UPS Room)	2	nos.		
4	<u>UPS DB</u>				
	12 Way SPN Distribution boards with 1 no. 60 A 2 pole MCB isolator, 10 nos. 6/10 SP MCBs (for UPS distribution board)	1	nos.		

	SUB MAINS WIRING (including cost of PVC Conduit)				
5	From panel to UPS though input switch (UPS Supply): 4x10 sq.mm + 1x4 sq.mm Cu. Wire	20	rmt		
6	From UPS to UPS DB though output switch: 2x6 sq.mm + 1x2.5 sq.mm Cu wire	25	rmt		
7	Wiring for UPS power socket with 2x2.5+1x1.5 sq.mm PVC insulated Cu. Conductor wires in ISI marked PVC including providing & fixing switch box, 3 nos. 5 amp sockets, 1 no. 16 amp switch, one indicator modular type with grid and face plates modular type (Maximum three stations per circuit , Circuit shall not be paid extra).	14	nos.		
8(a)	CHEMICAL EARTHING Supplying & installation of Chemical earthing with following specifications : Specification of Electrode (i) Electrode : it should be maintenance free copper bounded, copper bounded strip must be placed centrally inside the electrode (ii) The space inside the electrode should be tightly filled with crystalline conductive mixture containing natural elements and compounds Structural Specification Electrode Diameter : 76 mm Electrode Length : 3000mm Thickness : 0.254mm Internal Strip size : 50 x 06 mm Connection Terminal Die : 14 x 02 mm Material of Construction : Copper Bonded Copper Bonding : 120- 150 micron Compound Filled : Crystalline mixture Technical specifications (i) Conductive concrete must be environmentally neutral (ii) It must set up in situ to form a solid and must not leach, dissolve or migrate into soil or water (iii) May installed dry or mixed with water to form slurry for horizontal or vertical applications (iv) The material must be maintenance free and not require recharging of any kind i.e. watering, chemical or salts (v) The material must have a dry resistivity of less than 10 ohm cm and an ability to reduce corrosion by at least 80%	1	No.		
(b)	10 Sq. MM copper wire with PVC Conduit	20	Mtrs.		

	DATA SYSTEM - CONDUITING & CABLING				
9	Wiring for computer networking from I/O hub to computer workstation with Cat -6 computer cable including providing ferrules at both ends and termination at both ends including providing & fixing frame for with shutter , RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes providing PVC conduits in chases from the I/O hub to the point.	15	nos.		
10	Supply of CAT-6 Dlink Patch Cord 7 ft	15	Nos.		
11	Supply of CAT-6 DLink Patch Cord 3 ft	15	Nos.		
12	Supply/Fixing of CAT-6 Jack Panel 24 Port	1	Nos.		
13	Supply/Fixing of Networking Box 12 U Size	1	Nos.		
14	S/F 24 Port D Link switch	1	No.		
15	Testing/Commisioning Charges	1	1 Job		
	TOTAL				

SCHEDULE OF QUANTITIES (SCHEDULE - F)

(M/S Narender Consultants)

Sub: Furnishing/Electrical work of Indian Bank's E-Lobby at Sec-23A Faridabad

S.No	ITEM	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	P/F armstrong acoustical suspended ceiling system with 15mm thick FISSURED tiles having regular edges complete as per manufacturers specifications as per drawing	80	Sq.Ft.		
2	P/F Main entrance door D1 with anti shatter film. Size overall 3' x 7'. Note : Door closure as per annex -B to be used. Frame : Top and vertical 4" x 2" aluminium box section 16G. Shutter : shutter size 2'-8" x 6'-10" aluminium box section of size 6" x 2" . Powder coated with approved colour - 20micron th 10mm float glass with weather strip insulation on the shutter edges.As indicated and holes drilled to receive SS brush finish handles. Handle : 2 Nos. 1" dia and 1'-6" long SS brush finish. Handle design should be approved by Bank.	1	No.		
3	Powder coated aluminium fixed glazing	15	Sq.Ft.		
4	P/F 12mm the Frosted toughened glass partition with all fittings etc complete	48	Sq.Ft.		
5	Synthetic Enamel paint on Rolling shutter	120	Sq. Ft.		
6	Shutter Boxing : Providing & Fixing in position Aluminum Composite Panel with framing of Aluminum Tube sections of min 2" x 1" and 20 gauge 2'- 0" c/c both ways .Joints of ACP panels shall have minimum 4mm groove .Aluminum foil thickness to be min 0.5mm. 2'-0" c/c bothways.ACP to be in 2' width panels of distributed equally .ACP thickness of 4 mm minimum. (PVDF -ACP thickness brands to be used). shades to be as per Bank's approval. Trap door will be 12mm marine ply finished with ACP. With proper hinges of 75mm and 75mm tower bolt locking arrangement. Providing open storage unit with 3 nos. shelves made (PVDF - ACP (colour -silver) to be quoted as a separate optional line item for sites with backroom)	30	Sq.Ft.		

7	Poster Frames Wall Hung: Sheets of 36" x 24" clear acrylic (poster to be sandwiched in between) Outer sheet in 5 mm th and beveled crystal edge polished for 3/4" at 8-10 degrees on all sides in the front. Rear sheet is 5mm th flat .Rate inclusive of S1 grade aluminum.	1	No.		
8	Providing, fabricating and fixing in position Aluminum Composite Panel on outer and inner walls (ACP with framing of Aluminum Tube Sections of min 2" x 1" and 20 gauges 2' -0" c/c both ways. ACP to be in minimum 2' width panels or distributed equally as per the site condition. Panels to be fixed to the frame with adhesives as per standard brands mentioned in Annex-B. Joints shall be finished with Silicon based sealant. ACP shall be of minimum 4mm th (0.5mm + 3mm + 0.5 mm) . Colour of ACP shall be as per Bank's preference. Additional Aluminum Sections to be provided to fix the AC units near the machine area at the highest position. (Unit of measurement shall be in Sq.Ft.) (FOR METRO/URBAN BRANCHES)	285	Sq.Ft.		
9	Servo controlled stabilizer	1	No.		
10	Aircon Louvers	1	No.		
11	P/F Electrical cables/ switches /sockets/ distribution boards for ATM room as below :	1	No.		
	No. of Lighting points - 6Nos.				
	5/15 Amps Power points - 6Nos				
	4 Pole TPN MCB - 1 No.				
	20 Amps MCB - 3 Nos.				
	UPS DB - 1 Nos.				
12	Providing/Fixing in position, effecting proper connection testing & commissioning of all fixtures and fittings , like fans, all types of lighting fixtures LED, spot lamps etc fixing of connectors including providing flexible conduits with glands hardware, raw plugs complete as required. (Note All the Electrical fixtures will be provided by the Bank)				
(i)	LED 2'x 2' light fixture	2	Nos		
(ii)	LED Spot Lamps	4	nos.		
13	Wiring for telephone point.	1	Each		
14	Wiring for sign board point using 2 x 2.5 Sq.mm Cu wire in PVC Conduit from Panel board to sign board	1	nos.		

15	Wiring for UPS power socket with 2x2.5+1x1.5 sq.mm PVC insulated Cu. Conductor wires in ISI marked PVC including providing & fixing switch box, 3 nos. 5 amp sockets, 1 no. 16 amp switch, one indicator modular type with grid and face plates modular type (Maximum three stations per circuit , Circuit shall not be paid extra).	4	nos.		
16	Wiring for computer networking from I/O hub to computer workstation with Cat -6 computer cable including providing ferrules at both ends and termination at both ends including providing & fixing frame for with shutter , RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes providing PVC conduits in chases from the I/O hub to the point.	4	nos.		
17	(i) Wiring of AC points with 2x6+1x2.5 sq.mm PVC insulated stranded Cu. Conductor wires in ISI marked medium grade PVC conduits above ceiling including cost of conduits, wall chases complete as required including providing metal clad socket with SPMCB in sheet steel enclosure (one point per circuit, circuit shall not be paid extra).	2	nos.		
	(ii) Providing & fixing of Anchor Roma power socket near indoor units for supply to split type Acs	2	nos.		
18(A)	CHEMICAL EARTHING Supplying & installation of Chemical earthing with following specifications : Specification of Electrode (i) Electrode : it should be maintenance free copper bounded, copper bounded strip must be placed centrally inside the electrode (ii) The space inside the electrode should be tightly filled with crystalline conductive mixture containing natural elements and compounds Structural Specification Electrode Diameter : 76 mm Electrode Length : 3000mm Thickness : 0.254mm Internal Strip size : 50 x 06 mm Connection Terminal Die : 14 x 02 mm Material of Construction : Copper Boned Copper Bonding : 120- 150 micron Compound Filled : Crystalline mixture Technical specifications (i) Conductive concrete must be environmentally neutral	1	No.		

	<p>(ii) It must set up in situ to form a solid and must not leach, dissolve or migrate into soil or water</p> <p>(iii) May installed dry or mixed with water to form slurry for horizontal or vertical applications</p> <p>(iv) The material must be maintenance free and not require recharging of any kind i.e. watering, chemical or salts</p> <p>(v) The material must have a dry resistivity of less than 10 ohm cm and an ability to reduce corrosion by at least 80%</p>				
(B)	10 Sq. MM copper wire with PVC Conduit	20	Mtrs.		
19	2x 6 sq.mm + 1x2.5 Sq. mm. insulated Cu wire from UPS in main Branch to Di pole DB in ATM	40	Mtrs		
	TOTAL				

GRAND SUMMARY

(M/S Narender Consultants)

**Estimate for Interior, Furnishing, Electrical Works at Indian Bank's Branch at SEC-23 A,
FARIDABAD Z/O Karnal**

S.No.	Description	AMOUNT (Rs.)
A.	SCHEDULE - "A" - FURNISHING WORKS	
B.	SCHEDULE - "B" - FURNITURE & FIXTURES	
C.	SCHEDULE - "C" - ELECTRICAL WORKS	
D.	SCHEDULE - "D" - MISCELLENEOUS WORKS	
E.	SCHEDULE - "E" - SERVER ROOM	
F.	SCHEDULE - "F" - E-LOBBY	
	GRAND TOTAL (A + B + C + D + E + F)	

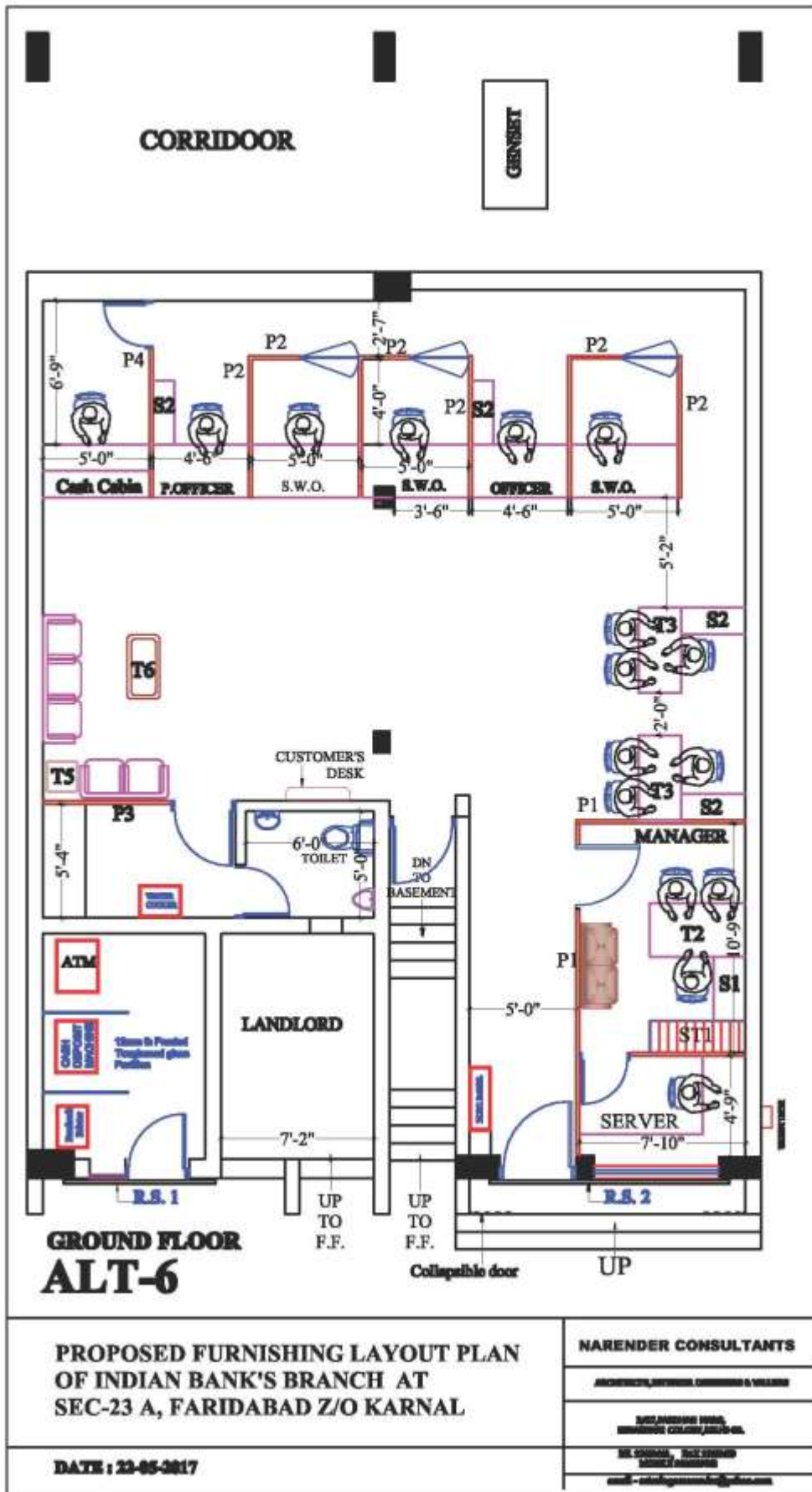
NARENDER CONSULTANTS

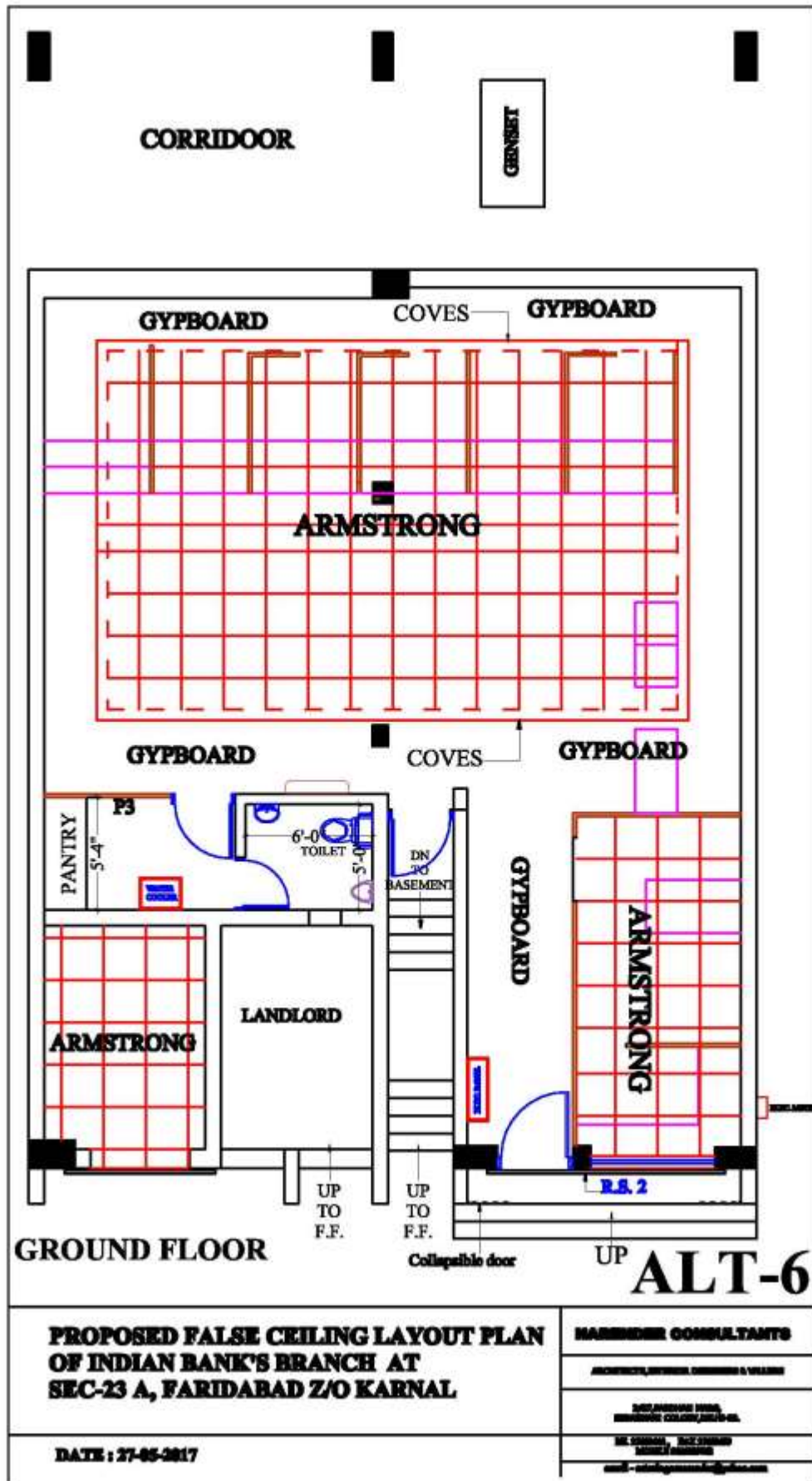
Narender K. Malhotra

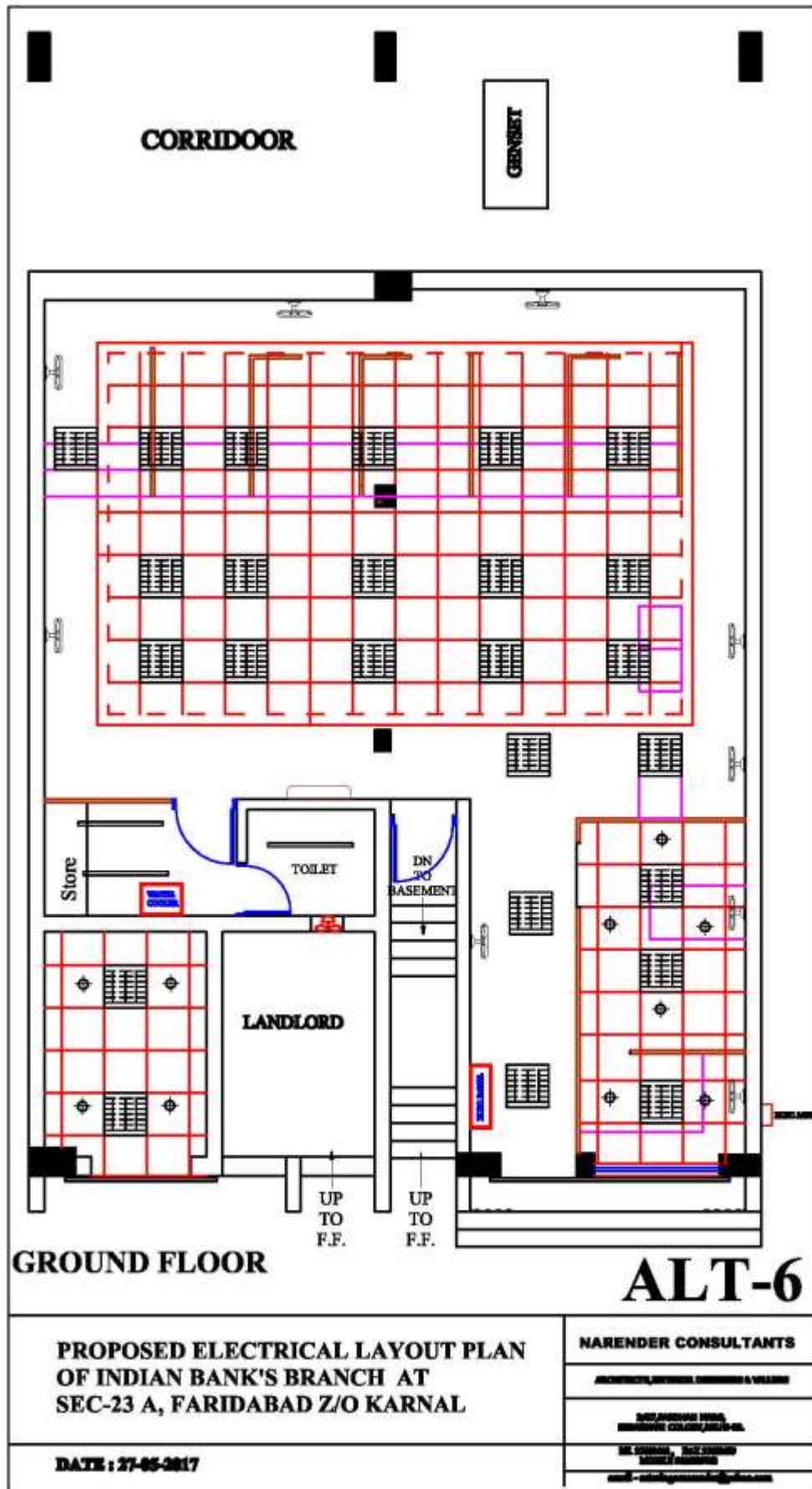
Note

1. Sofa, Settees and Chairs are not included in the estimate

2. Rolling shutter, Collapsible gate & Civil Work for Toilets is not included in the estimate







**PROPOSED ELECTRICAL LAYOUT PLAN
OF INDIAN BANK'S BRANCH AT
SEC-23 A, FARIDABAD Z/O KARNAL**

DATE : 27-05-2017

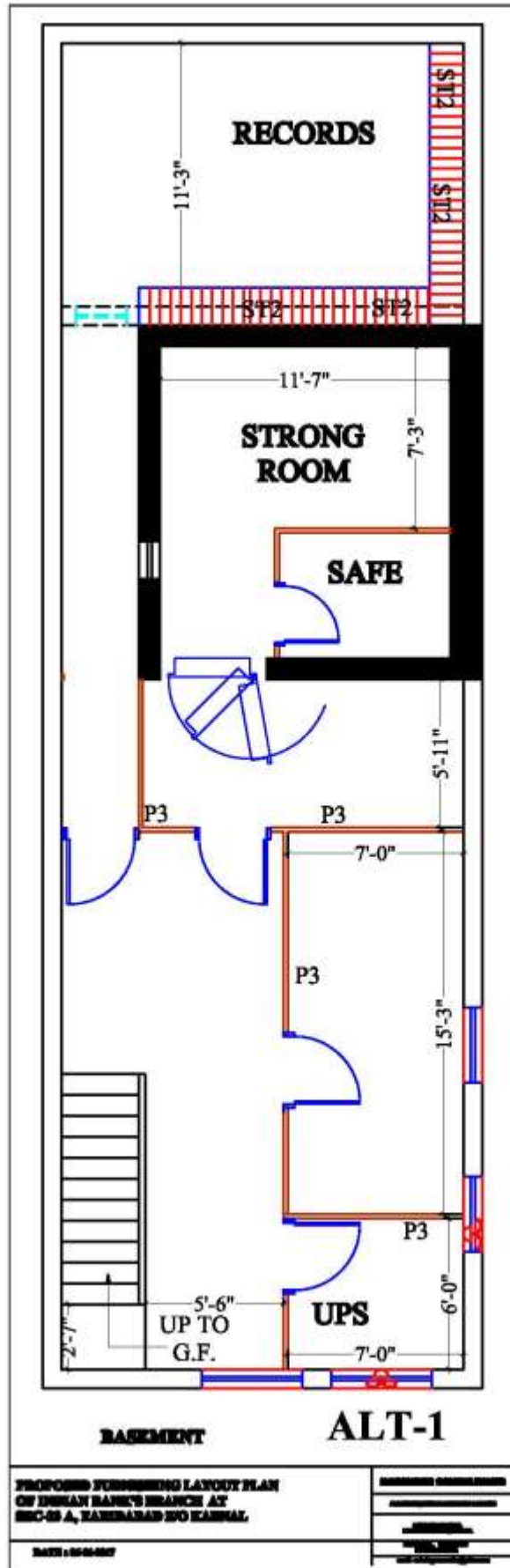
NARENDER CONSULTANTS

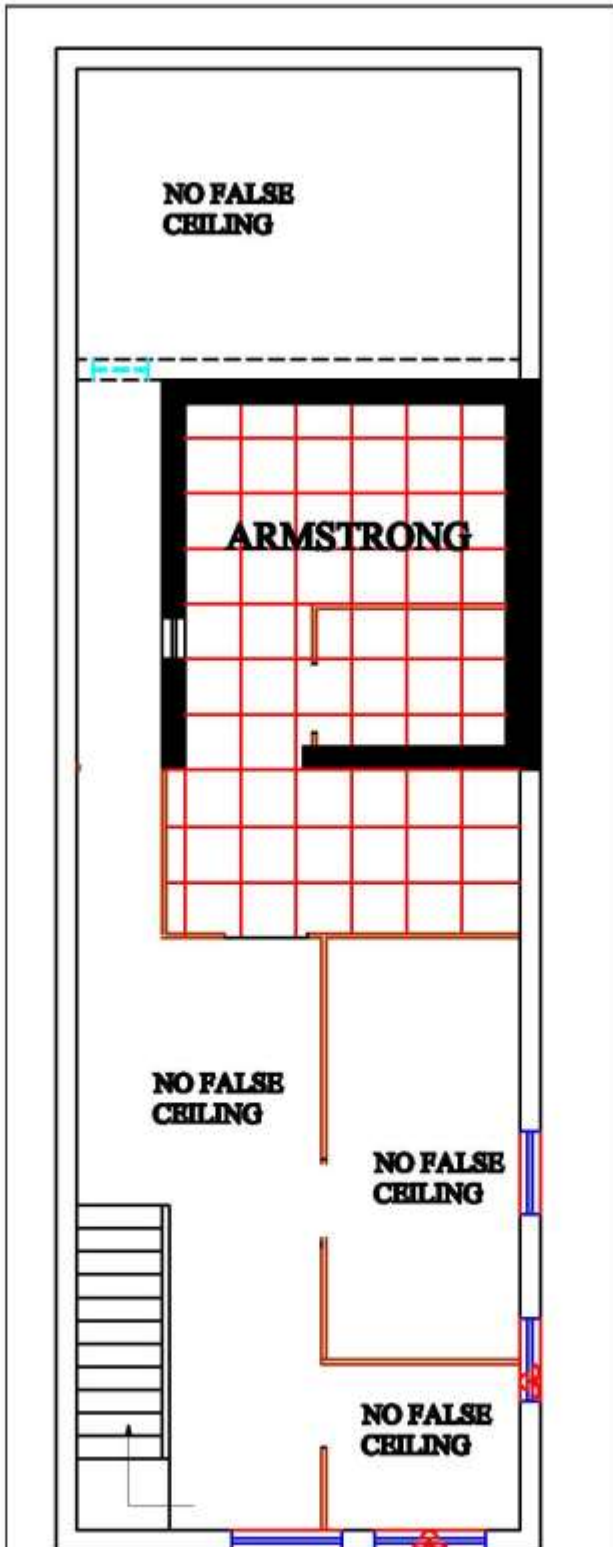
ARCHITECTS, INTERIORS, MECHANICAL & ELECTRICAL

**202, ANAND VIHAR,
INDIAN BANK COLONY, FARIDABAD.**

MR. NARENDER, 9810222222

mail - narender@narenders.com





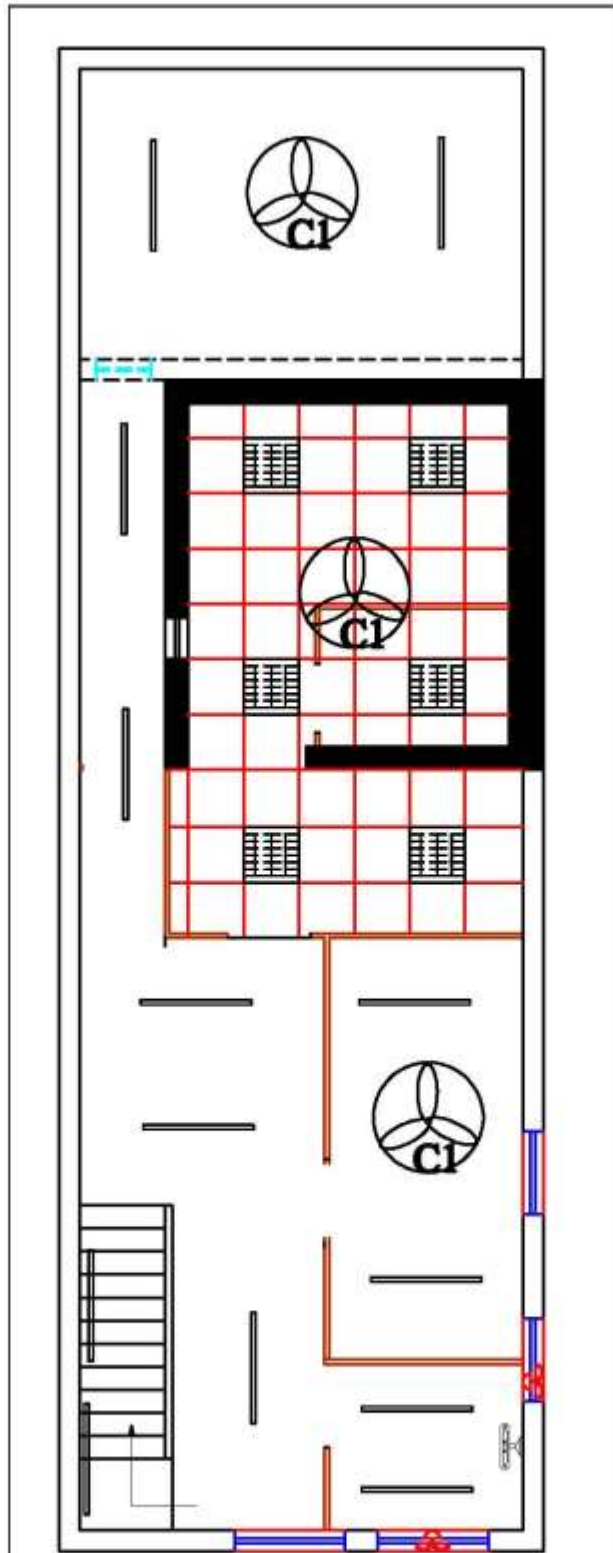
BASEMENT

ALT-1

**PROPOSED FALSE CEILING LAYOUT
 PLAN OF INDIAN BANK'S BRANCH AT
 SEC-23 A, FARIDABAD E/O KARNAL**

DATE : 04-02-2017

APPROVED
DATE
SCALE
PROJECT NO.



BASEMENT

ALT-1

**PROPOSED ELECTRICAL LAYOUT
PLAN OF INDIAN BANK'S BRANCH AT
SEC-23 A, FARIDABAD Z/O KARNAL**

DATE : 04-05-2017

APPROVED

DATE







SIGNATURE

NAME

DESIGNATION

INDIAN BANK

BRANCH OFFICE. AT SBC-23 -A,FARIDABAD Z/O:- KARNAL.

FURNISHING LEGEND	ELECTRICAL LEGEND
<p><u>PARTITIONS:-</u></p> <p>P1:- FULL HEIGHT PARTLY GLAZED PARTITION WITH 10mm GLASS (FOR MANAGER CABIN)</p> <p>P2:- LOW HEIGHT SEMI GLAZED PARTITION (4'-6"HL.) WITH 8mm TOUGHENED GLASS</p> <p>P3:- FULL HEIGHT SOLID PARTITION BOTH SIDE LAMINATED</p> <p>P4:- CASH CABIN PARTITIONS, SOLID BOTH SIDE LAMINATED UP TO CASH COUNTER HEIGHT AND GLASS ABOVE.</p> <p>P5:-LOW HEIGHT SOLID PARTITION (4'-6"HL.)</p> <p>P6:- SOLID PARTITION UPTO 7HT FOR SAFE</p>	<p> 2' X 2' LED LIGHT FIXTURES 36 W</p> <p> LED type Strip tube light fixtures</p> <p> LED Spot Light Fixtures 18 W</p> <p> WALL FAN</p>
<p><u>TABLES:-</u></p> <p>T2:4'-6"x2'-6"x2'-6"</p> <p>T3: 4'-0" X 2'-0" X 2'-6"</p> <p>T5 :1'-6"x1'-6" Corner table with 12mm glass top</p> <p>T6 :2'-6"x 2'-6" Center table with 12mm glass top</p>	<p> C1 CEILING FAN 48"</p>
<p><u>SIDE RUNNERS :-</u></p> <p>S1- 3'-0"x1'-6"x2'-6"(HL.)</p> <p>S2- 3'-0"x1'-3"x2'-6"(HL.)</p>	<p> EXHAUST FAN</p>
<p><u>STORAGE:-</u></p> <p>ST2 – Full height storage (1'-6" deep, up to 7' ht)</p> <p>ST1 - Low height storage (1'-6" deep, 2'-6" ht.)</p>	