



TENDER DOCUMENT

**Tender for
Furbishing (Furniture, Interior, Electrical, Data cabling & Air-Conditioning) work at alternate
Premises of Algom Branch under Regional Office Bhubaneswar**

**FINANCIAL BID
(To be kept in envelope- 2)**

Name of the Tenderer: _____
Address: _____

Last Date of Submission: 27.10.2022 Till 15:00Hrs

**Central Bank of India
Regional Office
108B, 1st Floor, Unit-VII
Surya Nagar, Bhubaneswar-751003
Odisha**

LIST OF APPROVED MATERIALS: Vendors are advised to use the materials of below mentioned Brand with prior approval of Bank/ Architect only.	
MATERIAL	MANUFACTURER / BRAND NAME
Aluminium composite panel	Alstone, Alcobond, Eurobond
Aluminium member	Ajit India, Jindal, Indal, Hindalco
Aluminium grill	Jindal, Nalco, Hindalco
Block board/ Plywood	Century/ Greenply / Duro/ Archid confirming to IS 303, IS 710 & IS 1659.
Modular Grid Ceiling tiles	600X600, 12-15mm thick perforated tiles of “ ARMSTRONG PVT LTD” Model : Classic Lite- RH99- Tagular
Gypsum Ceiling	Gypsum India Ltd, Saint Gobain, Laffarge
Teak-Wood, Mouldings, Lippings	First Quality, well-Seasoned Wood Free From all Defects
MDF/ Partition Board	Novapan, Greenlam, Archid, Century (Exterior EWP Grade) or equivalent approved by Bank.
skirting : (100mm)	bank's pattern i.e. Blue: Red = 3:1 as per proportion. Greenlam, Eurolam, Formica. (Blue - C=100 M=50 Y=0 K=0) (Red C=0 M=100 Y=65 K=15)
	Red & Blue laminated strips required on wall paneling & partition top side (below false ceiling). This is compulsory on every site. Approved sizes are Blue 3" & Red 1": (As per bank's approved shade)
Mortice Locks, Night Latch	Godrej, 4-C ACME, Ultra, Dorset
Multi Purpose Locks	Godrej/ Dorset/ Link/ Harrison
Laminate	1mm Thk. Shade - HL Pine. (Laminate make - Greenlam, Century, Merrino, Formica)
Veneer	Durian, Duro, Century
Glass	Modi Guard/ Saint Gobain/ Ashai
Screw / Nail	G.K.W., Nettle Fold
Hinges & Hardware	Ozone /Magnum/ Everite all ISI marked
Floor Spring	Hemco/ Ozone/ Geze/ Dorma Aluminum plate type confirming to IS: 6315
Hydraulic Door Closure	Hyper/ Godrej/ Everite/ Ozone
Key Board Drawer/Tray	Ready to use, computer keyboard tray KBT series keyboard of Earl Bihari, EBCO or Hetich make.
Adhesive	Fevicol, Araldite, Mowicol, Mahacol
Soft Board	Sitatex or equivalent
Paints	Asian, Berger, Deluxe or equivalent as per bank approval
Wood preservative	Asian, Nerolac, Wood guard, British
Powder coating on all metal section	Ivory Gloss :- H3N00307S9
Cement	L&T, ACC
Vitrified Tiles	Kajaria [Shade Kajaria Make (AGCNL- K6211) /same shade matching in Nitco, Johnson Company] as approved by bank
Ceramic Tiles	Nitco/Kajaria/ Jhonsan (Sample shall be pre-approved by bank)
Vinyl Flooring	Applicable only in strong room are 2mm thk. (Armstrong, Rikwin, Marbled)
Bonding/ Water Proofing Chemical	Bal/ Roffe/ Sunanda/ Ciba
Sanitary Fittings	Parry Ware/ Hindware
Plumbing Fittings	G. I. Pipes, Tata/ Jindal/ Zenith Make C-Class

Water Taps, Stop cocks & other fittings	ISI Marked and as per bank approval
Insulation Wool	U.F. Twiga, Crown, Lloyd
Soil waste & R .W.P.	RIF/BC/SRIF
G I fitting	KS ENG. Works/R-mark, K-Mark, Jindal. Tats
G I Pipes	Tata/JINDAL/ Hissar
Stone ware pipes and gully traps	Perfect/Bura
Steel sinks	Neelkant, Nirali
Fire Retardant Coating	Viper or Equivalent
Wood Preservative	ASCU PS-2 or equivalent
Vertical/Venetian Blinds	Vista levellor/MAC

NOTE: Above specifications are of the general type only and must be used in conjunction with the drawing of the particular item being made. Anything shown on the drawing and not in the specification must be compiled with, and vice versa.

LIST OF APPROVED MATERIALS: Vendors are advised to use the materials of below mentioned Brand with prior approval of Bank/ Architect only.

APPROVED LIST OF ELECTRICAL, DATA CABELING AND AIR-CONDITIONING WORKS

DESRPTION	MAKE/ BRAND
PVC Insulated Copper wires (Multi stranded 650 V Gr.)	L&T/ RR Cable/ Finolex/ Havells, Polycab
MS Conduit and accessories	BEC/ AKG/ KALINGA
Wires/ Cable (FRLS)	Finolex / Havells/ RR
Telephone wire	Finolex/Anchor/ Havells
Aluminum Armored XLPE/PVC Cables	Havells/ Finolex/ CCI
MCCB/MCB/ELCB/DB	Legrand/ Seimens/ L& T/ Havells/ABB
Load line DB	HPL/Crompton, L & T/ ABB/ Legrand
Ceiling/ Wall mounted Fans/ Exhaust Fan with Louvers	Crompton/ Havells/ Orient
Electrical accessories Modular -switch,Plugs sockets, ceiling rose, Angle holder, holders	ABB, Crabtree, Legrand, ROMA
PVC nonmetallic conduits and accessories	BEC/ Precision/ AKG, Polycab
Panel manufacturer	CPRI approved manufacturers
Bulb holders, Ceiling rose, 6/16A Switch socket/Telephonesocket/TV Outlet/Fan regulators	Anchor Roma/ Legrand/ Havells/ Crab tree
GI pipes	Swastic/ Khandelwal/ Prakesh
Lugs/ Glands	Dowells/Comet/L & T
LAN/ Data Cable (Cat 6e)	D-Link, Digi Link
Changeover Switch	Havells, L & T, GE
Selector switch & indication Light	Kaycee/ Siemens/ L&T
Distribution Boards	Double Door HAVELLS/MDS
Grid Light 2'x2'	Phillips 29 SRC140B (LED) or equivalent make of Havells.
Down Light	Phillips, LED Green LEDi, DN 192B or equivalent make of Havells
Central Air Conditioning Plants , Package type plant ,Window, Split AC, Cassette AC (THREE Star rated)	Daikin or equivalent make of Blue Star/Carrier make

NOTE: Above specifications are of the general type only and must be used in conjunction with the drawing of the particular item being made. Anything shown on the drawing and not in the specification must be compiled with, and vice versa.

1. All the materials shall be ISI make.
2. The contractor will have to get the sample approved from the architect whose decisions shall be binding on the contractor. The condition is also applicable for any material not mentioned in the specification or schedule of works. No deviations are allowed in these even during/after tender.
3. Architect/ Client decision in this regard shall be final and binding.
4. In case any material is not available for any one or all the approved make the Architect/Client shall select and approve alternative make.

ELECTRICAL INSTALLATION:

The whole of the Electrical & Data cabling installation shall be carried out by a major registered licensed Electrical Contractor's firm.

The electrical installation shall include for the supply of the whole of the materials and the work of fixing, necessary for the complete installation. The work shall be carried out in strict accordance with the latest edition of the Regulations for the Electrical Equipment of Buildings issued by the Institute of Electrical Engineers I.E. rules and to the satisfaction of and in accordance with rules, regulations, and requirements of the supply company and the Fire department all to the entire satisfaction of the **Architect** / Bank.

The positions of all points and equipment shown on the drawings shall be assumed to be correct for the purposes of tendering, but it is the main contractor's responsibility to check the exact positions on the site before commencing the works.

**Approved List of Materials
(Brands/Make)**

Electrical fittings & fixture:

1	MCCBs, MCBs, ELCBS, RCCBs, DB, ICTPN, TP, HRC fuse, VTPN / ETPN / SP DBS, Change over switch, Switch Fuse Unit	ABB, L&T, Legrand, Siemens
2	FRLS insulated Elect. Wires/Cables Armored / Unarmored, Sheathed, unsheathed, Flexible LT cable, Multi core, single core Cable, Flat cable, Speaker cabling	Finolex, Polycab, RR
3	Rotary Switches, Selector Switches	L&T, GE, ABB, Siemens
4	Exhaust fan, Wall fans, Ceiling fan	Bajaj, Crompton Greaves, Orient
5	Electronic Energy Meter	L&T, ABB, Havells
6	Central Air Conditioning Plants, Package type plant, Window, Split AC, Cassette type AC	Daikin, Hitachi, O General
7	Electrical accessories Modular - switch, Plugs sockets, ceiling rose, Angle holder, holders	ABB, Crabtree, Legrand, ROMA
8	Bell Buzzer	ROMA, Cona, Leader
9	Electronic fan regulator	Crabtree, Legrand, ROMA, ABB
10	PVC Conduit pipe & Casing - capping for electrical wiring	Polycab, Precision, AKG, Finolex
11	Current Transformer	Crompton, Siemens, L&T, Schneider
12	Data cabling Items	D-Link
13	Relays	L&T, ABB, Bhel, Alstom
14	Flush Mounting Boxes, Surface Mounting Boxes	ABB, Legrand, Crabtree, Anchor
15	Light Fixtures (LED & Others)	Philips, Osram, Syska

BOQ

DETAIL ESTIMATE FOR INTERIOR WORK FOR CENTRAL BANK OF INDIA , ALGUM BRANCH.					
SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
A	PARTITION WORK.				
1.0	FULLY HEIGHT Partition (Semi Glazed)				
	Providing and fixing in position partly glazed full Partition work as per drawing ,in frame work at 2'x2' grind (horizontally and vertically) comprising of 2"x1 ½" hevy gazed almunium section (conforming ISI 710) and/or as per frame work shown in the drawings with 6 mm plywood on both sides finished with 1 mm thick laminates of approved shade and colour as shown in drawings. Item to include 9 mm thick glass with chemical eachingas per design and fitted with 3-1/4" thick beach wood beading and 2"x2" T.W. member for door sides. All exposed T.W / beading surfaces to be finished in melamine polish as directed including all necessary Stainless Steel finish fittings/hardware and wood preservative paint etc. as per list of approved material and as approved by the Project Consultant/Bank complete in all respects. (Note : In case of false ceiling, the vertical members to be fixed with pucca ceiling but the area of partition payable will be below the false ceiling only)	Sft.	225.00		
1(B)	FULLY HEIGHT Partition (Bisan board partition.)				
	Providing and fixing in position full Partition work as per drawing ,in frame work at 2'x2' grind (horizontally and vertically) comprising of 2"x1 ½" hevy gazed almunium section and/or as per frame work shown in the drawings with 12 mm Bisan board on both sides finished with approved two cote of enamel paint over one coate of primer complete in all respects including all labour and materials.	Sft.	310.00		
2.0	LOW HT. HEIGHT Partition (Semi Glazed)				
	Providing and fixing in position partly glazed 4'-0" HT. Partition work as per drawing ,in frame work at 2'x2' grind (horizontally and vertically) comprising of 2"x1 ½" hevy gazed almunium section (confermin ISI 710)and/or as per frame work shown in the drawings with 6 mm plywood on both sides finished with 1 mm thick laminates of approved shade and colour as shown in drawings. Item to include 12 mm thick glass with chemical eaching as per design and fitted with 3-1/4" thick beach wood beading at glass sides All exposed wood. surfaces to be finished in melamine polish of as directed including all necessary Stainless Steel finish fittings/hardware and wood preservative paint etc. as per list of approved material and as approved by the Project Consultant/Bank complete in all respects.	Sft.	98.00		
3.0	Full glazed Partition				

	Providing, fitting & fixing 12mm thick float glass partition with chemically etching as per design. The partition will be supported with S.S patch panel fittings as per drawing and design. The exposed edge of the glass partition should be polished to super quality. The work should be completed as per direction of architect including cost of all labour & material .	Sft.	60.00		
B	DOOR WORK.				
1.0	Doors – semi glazed				
	Providing and fixing partly glazed doors of sizes as shown in the drawing. The door shutter shall of 35 mm thick flush shutter of approved make (conforming IS 2202) and finished with 1mm thick approved laminate on both sides. The edges finished with teak wood lipping. The shutter will have part glazed 8mm thick float glass with body etching of and necessary TW wood beading etc mat polished with melamine polish of asian / ici , complete to match the aligned partition elevations designs, the rates are inclusive of cost of necessary hinges, motise lock (7-lever- 8" lock of Godrej / Doorset make) , aldrops etc., all labour, materials, taxes, leads & lift to the place of work executed to the satisfaction of the Architect.	Sft.	130.00		
2.0	Doors – glazed				
	Providing and fixing Entrance Door (glazed) as per drawing in black Anodised aluminium door single groove section of size 125mmx25mm (Jindal make) in top and bottom & sides glazed with 10 mm thick glass of approved make . Item to include all necessary hardware of Stainless Steel finish and chemical etching with bank's logo as approved by the Project Consultant/Bank complete in all respects.				
	a) Open able portion (it include SS finished H type 1'-6" long door handle)	Sft	24.50		
	b) Fixed portion	Sft	30.00		
3.0	Door closer				
	Providing and fixing Godrej / Doorset / Dorma make over head door closers in door with necessary fixtures and fittings etc.	Nos	6.00		
4.0	Floor spring				
	Providing and fixing Godrej/ Hardween/ Dorma make heavy duty floor spring in entrance door with necessary fixtures and fittings etc.	Nos	1.00		
3.0	Night latch lock				
	Providing and fixing Nightlatch lock of Godrej make to cash counter door with necessary fixture and fittings etc as per direction of architect.	Nos	2.00		
4.0	Flap door				

	Providing, fitting and fixing of flap door with frame work made out of 35mmx35mm thick hard wood and nailed with 6mm. thick ply and finished with 1mm. Thick laminates of approved colour and design on both the surfaces of the frame work as per drawing and design. The edges of the door to be covered with decorative wood moulding with two coat of superior wax polish. The work is to be finished with all material ,labour,nails,screws,hings,locks,handles,door closer and all other hard wares as per detail drawings.	Sft	24.00		
C	FURNITURE WORK.				
1.0	Cash Counter				
	Providing and fixing of cash counter table of size 5'-0"x2'-9"x 2'-6" with table top of 25mm th. ply and the front facia is raised up to ht of 3'-6" with a horizontal 15" wide counter top and front drawer unit consisting 3 Nos of drawer units slides on telescopic slider made up of 19mm th.ply (conforming IS 710) with locking arrangement. The exposed edge surfaces are to be finished with 1.0mm th.laminates as per design of approved shade and the inner surface is finished with 0.7 mm th inner laminate . Quoted rates shall also include cost of polished teak wood moulding (finished 40x20 mm section) to edges of table. top: polished teak wood- lipping (6mm thick) to free edges of block board /plywood surfaces; approved drawer-slides, hinges and locks with keys in dupli'cate : other necessary hardware and accessories including satin finish S.S handles. knobs and wire - managers, foot rest etc. of approved quality. It also include readymade keyboard of engineering plastic (KD 575 PMT/INNOFIT SYSTEMS OR Equivalent) .The keyboard is a pullout type, fixed to channels and screwed to below table top . The CPU stand is made up with 19 mm ply with laminate finish as per design. It also include the front 3" th. partition of 7'-0" ht. and 3'-0" wide with almunium frame fixed with 6mmth ply on both side finished with 1mm. th laminate to hold the fron glazed partition as per design.The work should be completed including all labour and material.	Nos	2.00		
2.0	Front officer table.				

	Providing and fixing of front officer table of size 4'-6"x2'-9"x 2'-6" with table top of 25mm th. ply and front drawer unit consisting 3 Nos of drawer units slides on telescopic slider made up of 19mm th.ply (conforming IS 710) with locking arrangement. The exposed edge surfaces are to be finished with 1.0mm th.laminates as per design of approved shade and the inner surface is finished with 0.7 mm th inner laminate. Quoted rates shall also include cost of polished teak wood moulding (finished 40x20 mm section) to edges of table. top: polished teak wood-lipping (6mm thick) to free edges of block board /plywood surfaces; approved drawer-slides, hinges and locks with keys in dupli'cate : other necessary hardware and accessories including satin finish S.S handles. knobs and wire - managers , foot rest etc. of approved quality. It also include readymade keyboard of engineering plastic (KD 575 PMT/INNOFIT SYSTEMS OR Equivalent) .The keyboard is a pullout type, fixed to channels and screwed to below table top . The CPU stand is made up with 19 mm ply with laminate finish as per design. The work should be completed including all labour and material.	Nos	3.00		
3.0	Officer / BM Table. Providing executive type manager table top of 25mm th. ply and a front drawer unit consisting 3 Nos of drawer units slides on telescopic slider made up of 19mm th.ply (conforming IS 710) with locking arrangement. The exposed edge surfaces are to be finished with 1.0mm th.laminates as per design of approved shade and the inner surface is finished with 0.7 mm th inner laminate . The side credenza will have two drawer unit slides on telescopic slider and two cupboard unit. Quoted rates shall also include cost of polished teak wood moulding (finished 40x20 mm section) to edges of table. top: polished teak wood-lipping (6mm thick) to free edges of block board /plywood surfaces; approved drawer-slides, hinges and locks with keys in dupli'cate : other necessary hardware and accessories including satin finish S.S handles. knobs and wire - managers , foot rest etc. of approved quality. It also include readymade keyboard of engineering plastic (KD 575 PMT/INNOFIT SYSTEMS OR Equivalent) .The keyboard is a pullout type, fixed to channels and screwed to below table top . The CPU stand is made up with 19 mm ply with laminate finish as per design. The work should be completed including all labour and material.				
A	Approx. size of 1800 x 750 X 750 mm	Nos	1.00		
4.0	Storage Cabinate.				

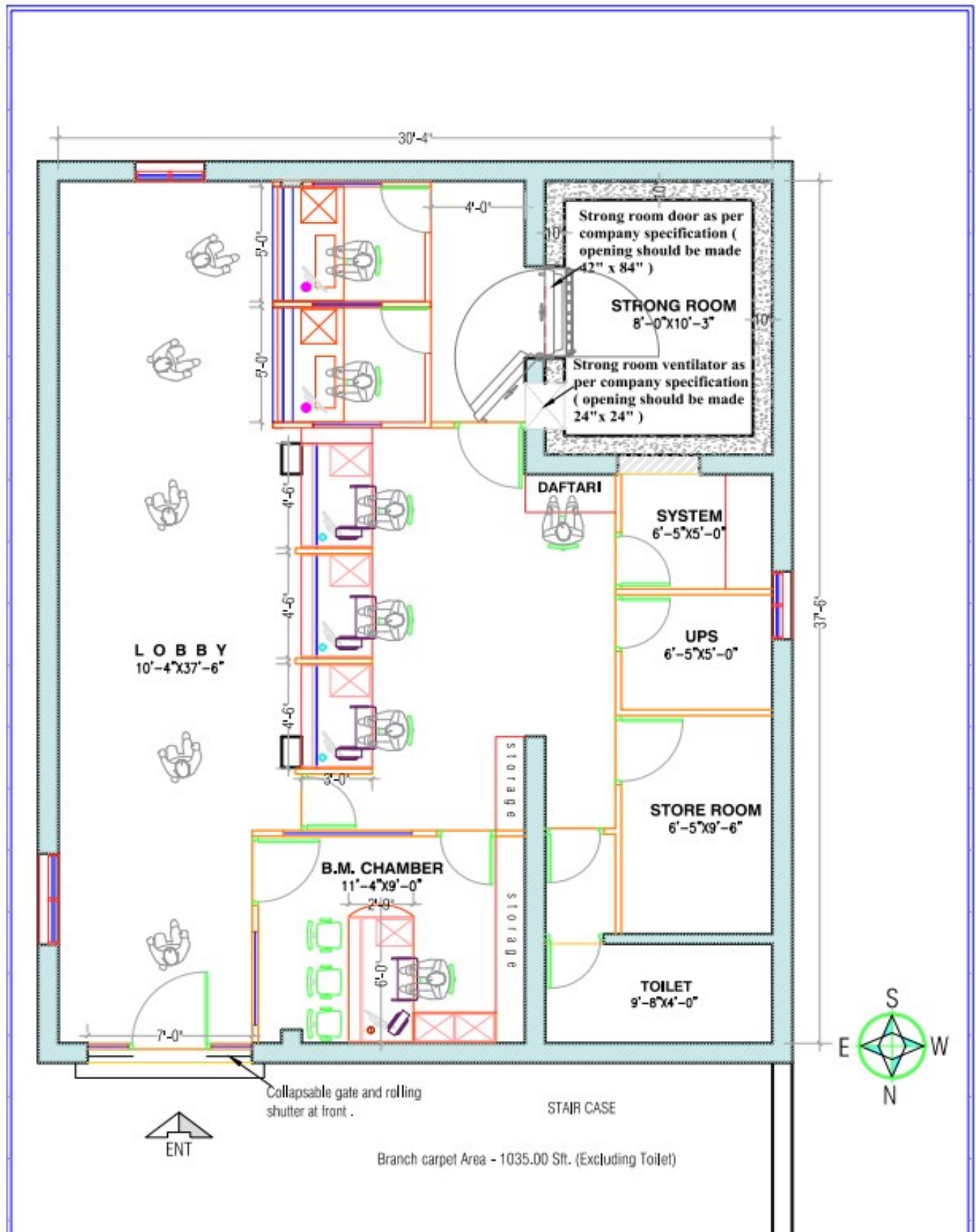
	Providing and fixing of low/ full height storage cabinate having 450mm. depth of made out of 19mm th. block board having one horizontal intermediate shalves. The storage and drawer units as per design / instruction by accchitect . The storage unit and drawer units should have locking arrangement with front shutter .The exposed surface is to finished with 1.0mm th.laminates as per design of approved shade and the inner surface is finished with 0.7 mm th inner laminate . The work also include intermediate shaves as per design .The work should be completed according to drawing and design including all labour and materials.	Sft	50.00		
5.0	Side Storage Cabinate.				
	Providing and fixing of table side storage cabinate having 450mm. depth of made out of 19mm th. block board having one/ two drawer uint at top and cupboard unit at bottom as per design / instruction by accchitect . The storage unit and drawer units should have locking arrangement with front shutter .The exposed surface is to finished with 1.0mm th.laminates as per design of approved shade and the inner surface is finished with 0.7 mm th inner laminate . The work also include intermediate shaves as per design .The work should be completed according to drawing and design including all labour and materials.	Sft.	10.00		
6.0	Cheque drop box & Suggestion box.				
	Supplying and erecting free-standing suggestions box of overall size , 450 mm long x 300 mm deep x 900 mm high made of 19 mm thick phenol formaldehyde block board, all as in drawing, complete. with hardware. fittings and fixtures of approved make and quality.Top and all exposed surfaces of block board are to be finished with 1mm thick laminate sheet of approved shade and quality. Inner faces of block board surfaces are to be finished with minimum two coats of synthetic ehemal paint of approved shads and quality over a coat of approved primer.	Nos	2.00		
7.0	Writing platform for customers & application form set				
	Providing , fitting , fixing writing plat form at a height of 4' above floor level fixed to the wall made out of 19 mm BWP block board with lamination 1 mm tk on top & hard wood beading ducco painted . At least 10 nos vertical slip in chalan shelves attached to wall over writing platform made out of min 4 mm tk acrylic sheets with 6 mm tk ply back up. Each chalan shelf will be of size 6" height, 6" wide .The entire unit will be complete in all respect including materials, labor etc to the satisfaction of consultant.	Rft	3.50		
8.0	Running Table				

	Providing and febricating of running table top made up of 19mm th. ply (conforming IS 710) of 2'-0"wide and front drawer unit consisting 1 Nos of drawer units, slides on telescopic slider & a cup board made up of 19mm th.ply (conforming IS 710) with locking arrangement as per design . It also include the metal Keyboard trays without Mousepad manufactured by M/s Godrej / EBCO.The keyboard is a pullout type, fixed to channels and screwed to below table top. The exposed edge surfaces are to be finished with 1.0mm th.laminates as per design of approved shade and the inner surface is finished with 0.7 mm th inner laminate .Quoted rates shall also include cost of polished teak wood moulding (finished 40x20 mm section) to edges of table. top: polished teak wood-lipping (6mm thick) to free edges of block board /plywood surfaces; approved drawer-slides, hinges and locks with keys in dupli'cate : other necessary hardware and accessories including satin finish S.S handles. knobs and wire - managers etc. of approved qualityThe work should be mpleted including all labour and material. The work should be completed including all labour and material.	Rft	9.00		
D	CELING WORK				
1.0	False ceiling (Gypsum board.)				
	Providing & fixing at site plain gypsum board stepped/ flush false ceiling as per pattern &design made from 12.5mm thk paper reinforced gypboard sheets fixed with mainframe channels 80mm x 26mm x0.5mm, every 450mm c/c or as mentioned in drawing intermediate channels 15mm x 45mm x 0.9mm at every 1220mm c/c with perimeter channel 20mm x 26mm x 0.5mm all along the wall shall be provided. The whole system to be suspended with strap bolts as recommended using rawl plugs 12.5mm dia. x 35mm long, with 6mm dia bolt & soffit cleat 27mm x37mm x 25mm x1.6mm thk. Gypboards to be screw fixed to the above framework using 25 mm dry wall screws. Provisions of melamine polished white beach wood moulding at wall / partition joints. Arrangements are to be made to accommodate light fixtures by forming recessed channels etc., wherever directed. Depressions, nails & screws, jointing & finishing etc., shall be done with jointing compound & paper tape. Ceiling shall be finished with painting 2 coats of plastic emulsion paint (velvet touch) of approved shade . Ceiling to be leveled & free from cracks including fixing GI perimeter to hold light fittings. Item to be completed in all respect to the Architect's approval. Provision of Opening (openable) min 4 nos(for maintenance purpose) in ceiling as per site conditions are to be done with necessary timber frame work tied with perimeter channel properly such as to match the remaining area of ceiling by leveling perfectly complete in all respect. This rate includes cost of all materials, labours, royalty,taxes, lead & lift to the place of work& also the cost of all fittings, (Measurements shall be taken for flat surface).	Sft.	450.00		

2.0	False ceiling (modular)				
	Providing & fixing in position false ceiling in Armstrong 600 x 600 mm x 15/16 mm Dune Supreme RH 95 Prima tile with sheihard gride Tegular edge framework as specified by Armstrong Co. with suspenders wherever required. Making necessary framework for A. C. ducting, if any, and necessary cutouts for diffusers and light fittings, taping and finishing to proper line & level, including making grooves and trap doors for A. C. unit in 18 mm thick M. R. Grade Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects.(Note :- Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves, mouldings etc.)	Sft	420.00		
E	OTHER WORK				
1.0	Panelling (Mica finished)				
	P/f paneling without wooden framework but 12mm thick plywood fixed on leveled wall and finished with 1.00mm thk. laminate of approved make and shade , on all exposed surfaces on all exposed surfaces as per details and design	Sft.	60.00		
2.0	Notice Board.				
	Providing soft board covered with approved fabric with wooden frame work and decorative beading for display drawings and documents,with locking arrangementof the sliding shutter made up of 8mm th. flot glass. The work should be done including all labour and material.	Sft	10.00		
3.0	Wall Putty work.				
	Providing and applying wall puttyputty work punning in order to make the total plastered wall surface perfectly leveled , including cost of all materials, labour, conveyance, taxes, royalties, scaffolding, watering, curing, sundries, T&P, etc., as per direction of Engineer-in-charge.	Sft.	1,100.00		
4.0	Wall plastic paint.				
	Providing & applying 2 coats of plastic emulsion paint of royale ICI dulux & approved shade on wall, columns, beams, ceiling, etc. of back office hall including locker room, including preparation of surface, sand papering the intermediate coats, including cost of all materials, labour, conveyance, taxes, royalties, scaffolding, watering, curing, sundries, T&P, etc., as per direction of Engineer-in-charge.	Sft.	3,800.00		
5.0	Electrical panel board cover				
	Providing and fixing of electrical panel board cover made up of 19mm ply with two shutter at the front having T.W luvers as per drawing and design, it allso have furnished with locking arrangement. The exposed surface is finished with 1mm. Th. Laminates and inner surface is finished with two cote of plastic emulsion paint over one coate of primer . The work should be completed including all hardware, material and labour.	Sft	28.00		
6.0	Façade Cliding (ACP)				

Providing and fixing in position almunium composit panel boxing with PVDF coating & LDPE core laminated Eurobond/Altobond/Alukbond Exterior grade 4mm thick including fabrication for the same with almunium sections, required hard ware, silicon sealent (Dow coming 789), masking tape, necessary scaffolding etc. They should be completed including all labour and material.	Sft	60.00		
TOTAL				

LAYOUT PLAN/ DETAIL DRAWINGS



ELECTRICAL WORK FOR CENTRAL BANK OF INDIA , ALGUM BRANCH					
SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	1. ELECTRICAL WIRING WORK				
	1.1 LIGHT & POINT WIRING WORK				
1.0	Concealed / ressed / surface point etc. wiring using 1100V FRLS grade 3R (P+N+E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling, with modular type switch plate, switches, GI concealed back box, etc. of legrand mylinc or equivalent make. S.I.T.C.(Supply Installation Testing And Commissioning) as directed by the Engineer-in-charge. (Each circuit shall not feed more than 8 points OR 800 watts as per following configuration.)				
	NOTE:- 1. Only FRLS wire shall be used; 2. The wires from ceiling junction to light points / light fixture shall be drawn in flexible PVC conduit with adptor & cover for junction box & crimp type lugs at both the ends alongwith necessary hardware & accessories, etc. as required; 4. Looping of Neutral / Earth wire between two seperate Primary / Full Points is strictly not allowed; 5. Looping of Neutral / Earth wire between two seperate circuits on similar or other phase is strictly not allowed; 6. Ferulling / numbering / tagging to wires with circuit number & db name for all lighting & raw / ups power shall be strictly followed at both DB & switch board / switch socket boards ends.				
1.1	Primary light/Call bell points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make. S.I.T.C. as directed by the Engineer-in-charge.(1 light controlled by one switch)	Nos.	28.00		
1.2	Primary Fan points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make. S.I.T.C. as directed by the Engineer-in-charge.(1 fan controlled by one switch)	Nos.	2.00		
1.3	Subsequent point (Looped From Primary)	Nos	12.00		
1.4	Independent point using one 6 Amp Modular Switch and one 6 Amp, 2/3 pin Modular socket mounted on a suitable size Box for wall fans.	Nos	10.00		
1.5	6 Amp 2/3 pin Modular socket with 6A Modular switch. (on common switch Board.)	Nos.	3.00		
1.6	Primary light points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make & model as approved by project in charge. (I light controlled by one switch UPS point)	Nos.	3.00		
	TOTAL FOR LIGHT & POINT WIRING WORK				
	1.2 POWER POINT WIRING WORK				

1.0	Concealed power point using 16 Amp 3 Pin plug socket with 16 Amp Modular switch of legrand mylinc or equivalent make mounted on separate board using suitable size galvanized iron junction & switch boxes & clip in type modular type switch plate,etc. Supply taken from R.D.B./ Nearest L.D.B wiring using 1100V FRLS grade 2R (P+N) x 2.5 Sq.mm +1R (E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick . The point should not taken from any switch Board. S.I.T.C. as directed by the Engineer-in-charge.	Nos	3.00		
2.0	Concealed raw power point using 6 Amp, 2/3 Pin Modular plug socket with 6 Amp Modular switch of legrand mylinc or equivalent make on separate board using galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI/PVC concealed back box, etc. Supply taken from Nearest L.D.B.wiring using 1100V FRLS grade 2R (P+N) x 2.5 Sq.mm +1R (E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick. Maximun 3 Points per Circuit for counter & Table	Nos	8.00		
TOTAL FOR POWER POINT WIRING WORK					
1.3 GLOW SIGN BOARD WIRING WORK					
1.0	Supply,installation and testing of timer with contactor (L&T / Legrand) make controlling the glowsign board with 16 Amp Modular switch of legrand mylinc or equivalent make mounted on separate board using suitable size galvanized iron junction & switch boxes & clip in type modular type switch plate,etc all accessories complete enclosed in Powder coated metal box as required,Supply taken from Nearest L.D.B.wiring using 1100V FRLS grade 2R (P+N) x 2.5 Sq.mm +1R (E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick as per direction of Engineer in charge. The system will be apart of the panel board.	Nos.	1.00		
2.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade multi standard FRLS copper wire run inside rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
2.1	Recessed wiring with (2Rx2.5sqmm +1Rx1.5sqmm) copper wire (LDB/RDB to Common Switch board and Points)	Mts	40.00		
TOTAL FOR GLOW SIGN BOARD WIRING WORK					
1.4 COMPUTER WIRING WORK					

1.0	Suppl't and fixing of concealed UPS power points using 1 nos. of 16 Amp, Modular switches to be provided on table top + 4 nos. 6 Amp 3 Pin Modular socket below table top of legrand mylinc or equivalent make taken from Nearest C.D.B with suitable size galvanized iron/PVC junction & switch boxes & clip in type modular type switch plate, GI/PVC concealed back box, etc. Maximum 3 Points per Circuit for counter & Table. S.I.T.C. as directed by the Engineer-in-charge.	SET	8.00		
2.0	Suppl't and fixing of concealed UPS power points using clip in modular type 5 No. of 6/16 amp socket points controlled by 2 No of 16 amp modular switch with indicator of legrand mylinc or equivalent make taken from Nearest C.D.B with galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI concealed black box, etc. . The point should not from any switch Board S.I.T.C. as directed by the Engineer-in-charge.	SET	1.00		
3.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100V FRLS grade 3R (P+N+E) x following size FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick ISI mark laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling including of as required and multi stranded copper wire of following size as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
3.1	Concealed wiring with (2Rx2.5sqmm +1Rx1.5sqmm) copper wire (C.D.B. to Computer Points)	Mts	100.00		
3.2	Concealed wiring with (2Rx4.0 sqmm +1Rx2.5sqmm) copper wire (U.P.S. OUTPUT to C.D.B.)	Mts	25.00		
TOTAL FOR COMPUTER WIRING WORK					
1.5 A.C. WIRING WORK					
1.0	Supply & Installation of all required materials and wiring to Split AC point 25 Amp 3 Pin Modulat socket mouted on suitable size concealed GI Box near to the AC controlled by 25 Amp DP isolator Enclosed in Powder coated DP Encloser of Legrand Ekinox3 model or Equivalent make taken from Nearest A.C..D.B/ M.L.D.B. with galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI concealed back box, etc. of legrand mylinc or equivalent make.The point should not taken from any switch Board S.I.T.C. as directed by the Engineer-in-charge.	Nos.	5.00		

2.0	Supply and Installation of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard FRLS copper wire run through rigid FR/FRLS PVC conduits of 20mm/32mm Dia 1.5 mm thick ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
2.1	Concealed wiring with 2 X 4sq. mm + 1 X 2.5sqmm copper wire (From Main Panel Board to Split A.C. points.)	Mts	90.00		
	TOTAL FOR AC WIRING WORK				
	1.6 CABLE, MAINS & SUBMAINS.				
1.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade multi standard FRLS copper wire run inside rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
1.1	Recessed wiring with (2Rx2.5sqmm +1Rx1.5sqmm) copper wire (LDB/RDB to Common Switch board and Points)	Mts	100.00		
1.2	Recessed wiring with (2Rx4.0sqmm +1Rx2.5sqmm) copper wire (LDB/RDB to Common Switch board and Points)	Mts	40.00		
1.3	Recessed wiring with (2Rx6.0 sqmm +1Rx4.0 sqmm) copper wire (PANEL to L.D.B./UPS INPUT)	Mts	20.00		
	TOTAL FOR CABLE, MAINS & SUBMAINS.				
	2.PANEL BOARD & DISTRIBUTION BOARDS.				
1.0	Main Panel Board	Set	1.00		
	Supply, delivery, installation , testing , commissioning , of indoor wall mounted , type distribution boards made out of 2 mm thk. CR sheet metal painted with 2 coats of enamel paint compartment arrangement for each equipment & bus bar chamber on the top of the panel running horizontal through , vermin proof having provision cable by conduit entry , earthing stud as per specification mentioned below duly factory wired confirming to the relevant ISS & as per special condition of contract , making good the damages M.S. Cubical type Panel board should have hinged door at the front. The panel shall be provided with all accessories & following arrangements complete in all respect & direction of EIC (before fabrication of panel board drawing is to be approved by Engineer-in-charge). The Contractor should Submit The Testing Certificate to the Client after Installation.				
	Incoming :-				
	1No 100A- 16KA - 4POLE -MCCB.				

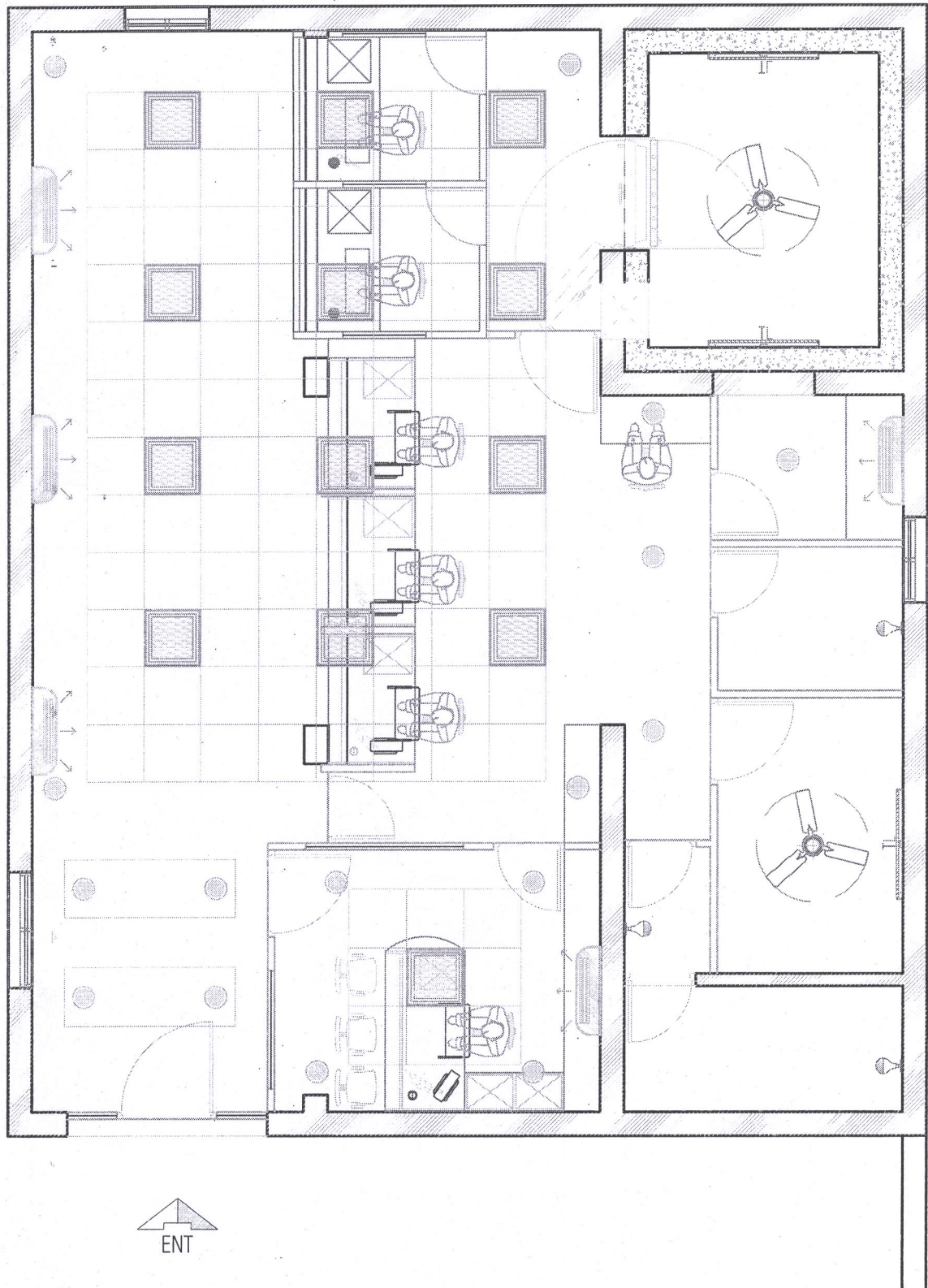
	1 set of 125A TPN copper bus bar (18 X6 mm)				
	1No 63A- 10KA - 4POLE -MCB.				
	1 set of 100A TPN copper bus bar(16 X 5 mm)				
	63A, 4-POLE Change over				
	1 set of 100 A TPN copper bus bar(16 X 5 mm)				
	Out going :-				
	1 Nos 40A, 4P MCB, for U.P.S.				
	1 Nos 40A, 4P MCB, Spare				
	5 Nos 25 A DP MCB for 1.5 ton Split A.C.				
	2 Nos 25 A DP MCB Spare				
	1 Nos 32 A DP MCB for L.D.B.				
	1 Nos 32 A DP MCB for ATM				
	1 Nos 25 A DP MCB for Glow sign board & Outer Lighting				
	1 Nos 25 A DP MCB Spare				
	1 Nos 32 A DP MCB Spare				
	All MCB must be class C Type				
	1No. Digital Volt meter with Volt meter selector switch & Control fuse.				
	1No. Digital Ammeter with Ammeter selector switch & CT.				
	Cable tray.				
	Termination bar for each out put				
	6 Nos Phase indicator L.E.D. lamps				
2.0	Supplying & Fixing 125 Amp, 415 V Wireable IC Cutout - 3nos in MS enclouser withj lock & key arrangements.	Set	1.00		
3.0	Supply and installation of SPN, Double Door, Metal type Distribution Board. (hager IP43, legrand make Ekinox3 model or equivalent make as approved by Engineer-in-charge), surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears :				
3.1	L.D.B (Light Distribution Board)	Set	1.00		
	12 way SPN DB				
	Incoming :- 1 No. 32A DP MCB				
	Outgoing :- 10 No. 6-10 A SP MCB				
	All MCB must be 'C' Series				
3.2	C.D.B (Computer Distribution Board)	SET	1.00		
	12 way SPN DB				
	Incoming :- 1 No. 32A DP-10 kA - MCB				
	Outgoing :- 10 No. 6-10 A SP-10 kA - MCB				
	All MCB must be class C Type				

3.3	U.P.S Incoming DB	SET	1.00		
	4 way SPN DB				
	40 Amp DP-10 kA - MCB – 2 nos (1main & 1 spare).				
	All MCB must be class C Type				
3.4	U.P.S Outgoing DB	SET	1.00		
	4 way SPN DB				
	Incoming :- 40 Amp DP-10 kA - MCB – 1 No				
	Out going :- 2 No. 25 A SP-10 kA - MCB				
	All MCB must be class C Type				
TOTAL FOR PANEL BOARD & DISTRIBUTION BOARDS.					
3. FITTINGS OF FIXTURES					
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULTANTS BEFORE ORDERING THEM.				
	Supply , Installation, testing and commissioning of lighting fixtures with lamps and LED driver as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant / client including supply and fixing flexible wires from holder to fixtures hardwares etc. Note :- All Light Fixtures, Fans, Exhaust Fans & other fittings samples shall be approved by the Client / Architect / Consultant before placing order to the Light Fixture Vendor / Supplier makes are specified. Client / Architect / Consultant reserves right to approve / select final Light Fixtures from any make as required.				
1.0	Supply,installation and testing of recess LED lights fittings (31 - 34 W) of square type (2'-0"x2'-0") with all accessories complete of Crompton LCTLRN-36-FO-CDL Equivalent Make as required as per direction of Engineer in charge.	Nos.	13.00		
2.0	Supply,installation and testing of recess LED lights fittings (12W) of spot type with all accessories complete of Crompton LSCRM-6W-CDL/NW/WW Equivalent Make as required as per direction of Engineer in charge.	Nos.	16.00		
3.0	Providing and fitting of 450 mm sweep High Flo Wall fan of Orient/ Crompton Equivalent Make as required as per direction of Engineer in charge.	Nos.	10.00		
4.0	Providing and fitting of 225 mm sweep heavy duty Exhaust fan of Orient/ Crompton Equivalent Make as required as per direction of Engineer in charge.	Nos.	2.00		
5.0	Providing and fitting of 1200 mm sweep ceiling fan of Orient/ Crompton High Speed Equivalent Make as required as per direction of Engineer in charge.	Nos.	2.00		
6.0	Providing and fitting of Modular type step fan regulator of approved make .	Nos.	2.00		
7.0	Supply & fixing of fan-hook,by cutting roof slab and welding 10 mm dia.Fan hook with main reinforcement of roof slab complete in all respect.	Nos.	2.00		

8.0	Supplying , fixing of 1x 20W LED Batten lights fittings with aall accessories complete of Philips BN021C LED20S PSU CDL/NW GR Equivalent Make as required as per direction of Engineer in charge.	Nos.	5.00		
9.0	Supply,installation and testing of LED Bulb fittings (1x9wt) with angle holder of Philips/ Crompton/ Syska or equivelent as required as per direction of Engineer in charge.	Nos	3.00		
10.0	Providing and fitting of call bell Remote Controlled with Battery of approved make .	Nos.	1.00		
TOTAL FOR FITTINGS OF FIXTURES					
4. EARTHING					
1.0	Supplying and fixing Earthing with G.I. earth plate of size 600 mm X 600 mm X 6.36 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with alternative layer of 150mm thick charcoal/ coke and salt as required.	Nos.	2.00		
2.0	Supplying and fixing of Earthing with copper earth plate of size 600 mm X 600 mm X 3.18 mm thick including accessories, and providing masonry enclosurewith cover plate having locking arrangement and watering pipeof 2.7 metre long etc. with alternative layer of 150mm thick charcoal/ coke and salt as required.	SET	1.00		
3.0	Supplying and laying 25 mm X 5 mm G.I. strip in 40 mm dia G.I.pipe from earth electrode including connection with G.I. nut,bolt, spring, washer excavation and re-filling etc. as required.	Mts	3.00		
4.0	Supplying and laying 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mts	20.00		
5.0	Supplying and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	Mts.	3.00		
6.0	Supplying and laying 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	Mts.	20.00		
TOTAL EARTHING					
5. COMPUTER NETWORKING					
1.0	Supply of all required materials and laying of CAT-6 LAN wairing from server to Hub and Hub to computer I/O Points of approved brand ((D-Link/Digilink/Amps) laid through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of ISI mark duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. completeas in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.	Mts	160.00		

2.0	Supply , fixing of RJ 45 information outlet (I/O) with safety shutter of D-link make with front modular cover plate, flush box metallic or PVC for trucking system etc.	Nos.	8.00		
3.0	Refitting of existing Data rack including all labour and materials.	Set	1.00		
TOTAL DATA WAIRING					
6. TELEPHONE SYSTEM					
1.0	Supply of all required materials & laying 2 pairs 0.51 cross section telephone wires of ITI approved laid through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of ISI mark duly buried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. complete as in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.	Mtrs	30.00		
2.0	Supply , fixing , testing of RJ45 Modular Telephone socket point with suitable GI boxes complete in all respect as per direction of EIC .	Nos.	2.00		
TOTAL DATA / TELEPHONE WAIRING					

1.1 LIGHT & POINT WIRING WORK		
1.2 POWER POINT WIRING WORK		
1.3 GLOW SIGN BOARD WIRING WORK		
1.4 COMPUTER WIRING WORK		
1.5 A.C. WIRING WORK		
1.6 CABLE, MAINS & SUBMAINS.		
2.PANEL BOARD & DISTRIBUTION BOARDS.		
3. FITTINGS OF FIXTURES		
4. EARTHING		
5. COMPUTER NETWORKING		
6. TELEPHONE SYSTEM		
TOTAL		



AIR CONDITIONING WORK FOR CENTRAL BANK OF INDIA , ALGUM BRANCH					
SL.N O.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	1. AIR CONDITIONING WORK				
	1.1 DETAILS OF WORK				
1.0	Supplying, Installation & Commissioning of 5 Star Rated 2.0 Ton, all copper (condenser) split AC system as spec. or approved make, including indoor & outdoor copper tubes (4 mt along with machine), drain pipes, condenser unit etc. complete as per drg, detail & instruction of Architect. Including maintenance/ service till defect liability period and warranty (one year) Make: Daikin/Hitachi/Voltas/Carrier/Toshiba	Nos	04		
2.0	Stabilizers "V-Guard" Make suitable for 2 Ton load	Nos	04		