



CENTRAL BANK OF INDIA

REGIONAL OFFICE, AGRA,

31, First Floor, Jail Chungi,

Victoriya Park Road,

Agra (U.P.), PIN-250001

TENDER DOCUMENT

(FINANCIAL BID)

(TO BE SUBMITTED IN ONLINE MODE ONLY)

FOR

Furniture, Electrical, Data cabling & Low side Air-Conditioning work at Central Bank of India,
Shamshabad Road Branch, under Agra Region

LIST OF APPROVED MATERIALS: Vendors are advised to use the materials of below mentioned make/ brand with prior approval of Bank/ Architect only.	
MATERIAL	MANUFACTURER / BRAND NAME
Aluminium composite panel	Alstone, Alcobond, Eurobond or equivalent make
Aluminium member	Ajit India, Jindal, Indal, Hindalco or equivalent make
Aluminium grill	Jindal, Nalco, Hindalco or equivalent make
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"
Gypsum Ceiling	Gypsum India Ltd, Saint Gobain, Laffarge
Cement Bonded Particle Board	Bison or equivalent make
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 : (100 mm)	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 75 mm & Red 25 mm (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
Drawer Channel/ Slider	Sleek computer keyboard slide of length (350 mm) side mounting telescopic, steel ball slider STDS series keyboard of Earl Bihari make or of EBCO, 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 matching shade in Nitco, Johnson Company] as approved by bank
Ceramic Tiles	Nitco, Kajari,/ 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, Ta's
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

DESCRIPTION	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
PVC non metallic conduits and accessories	BEC, Precision, AKG, Polycab
Panel manufacturer	CPRI approved manufacturers
Bulb holders, Ceiling rose, 6/16A Switch socket/Telephone socket/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	HAVELLS/MDS
Grid Light 2'x2' (LED)	Phillips, Havells.
Down Light (LED)	Phillips, Havells
Central Air Conditioning Plants, Package type plant, Window, Split AC, Cassette AC (Three Star rated)	Daikin, 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 decision 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.

1. Instructions to Bidders-e tendering

The Bidders participating through e-Tendering for the first time, for Central Bank of India will have to complete the Online Registration Process on the portal. All the bidders interested in participating in the online e-Tendering process are required to procure Class II or Class III Digital e-Token having -2- certificates inside it, one for Signing/ Verification purpose and another for Encryption/ Decryption purpose. The tender should be prepared & submitted online using the bidder's authorized individual's (Individual certificate is allowed for proprietorship firms) Digital e- Token. If any assistance is required regarding e-Tendering (registration/upload/download/ Bid Preparation / Bid Submission), please contact on the support numbers given in the support details.

2. Registration Process for Bidders

a) Open the URL: <https://centralbank.abcpocure.com/EPROC/>

b) On Right hand side. Click and save the Manual "**Bidder Manual for Bidders to participate on e-tender**"

c) Register yourself with all the required details properly.

d) TRAINING: Agency appointed by the Bank will provide user manual and demo/ training for the prospective bidders

e) LOG IN NAME & PASSWORD: Each Vendor/ Bidder will be assigned a Unique User Name & Password by the agency appointed by the Bank. The Bidders are requested to change the Password and edit the information in the Registration Page after the receipt of initial Password from the agency appointed by the Bank.

GENERAL TERMS & CONDITIONS: Bidders are required to read the "Terms and Conditions" section of the portal (of the agency concerned, using the Login IDs and passwords given to them.

Bid Submission Mode.	https://centralbank.abcpocure.com/EPROC/ Through e-tendering portal (Class II or Class III Digital Certificate with both Signing & Encryption is required for tender participation)
Support person and phone number for e-tender service provider for any help in accessing the website and uploading Mr. Sujith Nair: 079 68136857 sujith@eptl.in the tender documents or any other related queries.	e-Procurement Technologies Limited Technical Support Team Mr. Sujith Nair: 079 68136857 sujith@eptl.in Ms. Geeta : 079 90334460 geeta@auctiontiger.net Ms. Khushboo: 09510813528 khushboo.mehta@eptl.in Ms. Pooja : 09328931942 pooja.shah@eptl.in Ms. Komal 07904407997 komal.d@eptl.in Mr Nandan Valera: 9081000427 nandan.v@eptl.in Ms Vrusha Soni: 9904407997 vrusha@eptl.in Mobile Numbers: +91-9904407997) 9081000427

Note: please note Support team will be contacting through email and whenever required through phone call as well. Depending on nature of assistance support team will contact on the priority basis. It will be very convenient for bidder to schedule their online demo in advance with support team to avoid last minute rush.

f) All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.
g) BIDS PLACED BY BIDDER: The bid of the bidder will be taken to be an offer to sell. Bids once made by the bidder cannot be cancelled. The bidder is bound to sell the material as mentioned above at the price that they bid.

Preparation & Submission of Bids

The Bids (Eligibility Cum Technical as well as Commercial) shall have to be prepared and subsequently submitted online only. Bids not submitted "ON LINE" shall be summarily rejected. No other form of submission shall be permitted.

Dos and Dents for Bidder

- Registration process for new Bidder's should be completed at the earliest
- The e-Procurement portal is open for upload of documents with immediate effect Hence Bidders are advised to start the process of upload of bid documents well in advance.
- Bidder has to prepare for submission of their bid documents online well in advance as the upload process of soft copy of the bid documents requires encryption (large files take longer time to encrypt) and upload of these files to e-procurement portal depends upon bidder's infrastructure and connectivity.
- To avoid last minute rush for upload bidder is required to start the upload for all the documents required for online submission of bid one week in advance.
- Bidder to initiate few documents uploads during the start of the RFP submission and help required for uploading the documents/ understanding the system should be taken up with e-procurement bidder well in advance.
- Bidder should not raise request for extension of time on the last day of submission due to non-submission of their Bids on time as Bank will not be in a position to provide any support at the last minute as the portal is managed by e-procurement service provider.
- Bidder should not raise request for offline submission or late submission since only online e-Procurement submission is accepted.
- Part submission of bids by the Bidder's will not be processed and will be rejected.

Terms & Conditions of Online Submission

1. Bank has decided to determine 1.1 through bids submitted on Bank's E-Tendering website <https://centralbank.abcpocure.com/EPROC>. Bidders shall bear the cost of registration on the Bank's e-tendering portal Rules for web portal access are as follows:
2. Bidder should be in possession of CLASS II or CLASS III-Digital Certificate in the name of company/bidder with capability of signing and encryption for participating in the e-tender. Bidders are advised to verify their digital certificates with the service provider at least two days before due date of submission and confirm back to Bank
3. Bidders at their own responsibility are advised to conduct a mock drill by coordinating with the e-tender service provider before the submission of the technical bids.
4. E-Tendering will be conducted on a specific web portal as detailed in (schedule of bidding process) of this RFP meant for this purpose with the help of the Service Provider identified by the Bank as detailed in (schedule of bidding process) of this RFP.
5. Bidders will be participating in E-Tendering event from their own office / place of their choice. Internet connectivity /browser settings and other paraphernalia requirements shall have to be ensured by Bidder themselves.
6. In the event of failure of their internet connectivity (due may be) the service provider or Bank is not responsible.
7. In order to ward-off such contingent situation, Bidders are advised to make all the necessary arrangements / alternatives such as back-up power supply, connectivity whatever required so that they are able to circumvent such situation and still be able to participate in the E-Tendering Auction successfully.
8. However, the vendors are requested to not to wait till the last moment to quote their bids to avoid any such complex situations.

9. Failure of power at the premises of bidders during the E-Tendering cannot be the cause for not participating in the E-Tendering.
10. On account of this, the time for the E-Tendering cannot be extended and BANK is not responsible for such eventualities.
11. Bank and/or Service Provider will not have any liability to Bidders for any interruption or delay in access to site of E-Tendering irrespective of the cause.
12. Bank's e-tendering website will not allow any bids to be submitted after the deadline for submission of bids. In the event of the specified date and time for the submission of bids, being declared a holiday for the Bank, e-tendering website will receive the bids up to the appointed time on the next working day. Extension/ advancement of submission date and time will be at the sole discretion of the Bank.
13. During the submission of bid, if any bidder faces technical issues and is unable to submit the bid, in such case the Bank reserves its right at its sole discretion but is not obliged to grant extension for bid submission by verifying the merits of the case and after checking necessary details from Service provider.
14. Utmost care has been taken to reduce discrepancy between the information contained in e-tendering portal and this tender document. However, in event of any such discrepancy, the terms and conditions contained in this tender document shall take precedence.
15. Bidders are suggested to attach all eligibility criteria documents with the Annexures in the technical bid.

3 Guidelines to Contractors on the operations of Electronic Tendering System of Central Bank of India

3.1 Pre-requisites to participate in the Tenders

Registration of Bidders on Electronic Tendering System on Portal of CBI: The Bidders Non Registered in Central Bank of India and interested in participating in the e-Tendering process of CBI shall be required to enroll on the Electronic Tendering System. To enroll Bidder has to generate User ID and password on the "<https://centralbank.abcpocure.com/EPROC>"

Registration of New bidders:

<https://centralbank.abcpocure.com/EPROC/bidderregistration>

The Bidders may obtain the necessary information on the process of Enrollment either from Helpdesk Support Team: 079-68136815, 9879996111 or may download User Manual from Electronic Tendering System for CBI. i.e. <https://centralbank.abcpocure.com/EPROC>

3.2 Preparation of Bid & Guidelines of Digital Certificate

The Bid Data that is prepared online is required to be encrypted and the hash value of the Bid Data is required to be signed electronically using a Digital Certificate (Class - II or Class-III). This is required to maintain the security of the Bid Data and also to establish the identity of the Bidder transacting on the System. This Digital Certificate should be having Two Pair (1. Sign Verification 2. Encryption/ Decryption)

The Digital Certificates are issued by an approved Certifying Authority authorized by the Controller of Certifying Authorities of Government of India through their Authorized Representatives upon receipt of documents required to obtain a Digital Certificate.

Bid data / information for a particular Tender may be submitted only using the Digital Certificate. Certificate which is used to encrypt the data/information and Signing Digital Certificate to sign the hash value during the Online Submission of Tender stage. In case, during the process of preparing and submitting a Bid for a particular Tender, the Bidder loses his/ her Digital Signature Certificate (ie. due to virus attack, hardware problem, operating system problem); he/she may not be able to submit the Bid

online. Hence, the Users are advised to store his/her Digital Certificate securely and if possible, keep a backup at safe place under adequate security to be used in case of need.

In case of online tendering, if the Digital Certificate issued to an Authorized User of a Partnership Firm is used for signing and submitting a bid, it will be considered equivalent to a no objection certificate / power of attorney to that User to submit the bid on behalf of the Partnership Firm. The Partnership Firm has to authorize a specific individual via an authorization certificate signed by a partner of the firm (and in case the applicant is a partner, another partner in the same form is required to authorize) to use the digital certificate as per Indian Information Technology Act, 2000 and subsequent amendment.

Unless the Digital Certificate is revoked, it will be assumed to represent adequate authority of the Authority User to bid on behalf of the Firm for the Tenders processed on the Electronic Tender Management System of Central Bank of India as per Indian Information Technology Act, 2000 and subsequent amendment. The Digital Signature of this Authorized User will be binding on the Firm. It shall be the responsibility of Partners of the Firm to inform the Certifying Authority or Sub

Certifying Authority, if the Authorized User changes, and apply for a fresh Digital Signature Certificate. The procedure for application of a Digital Signature Certificate will remain the same for the new Authorized User

The same procedure holds true for the Authorized Users in a Private / Public Limited Company. In this case, the Authorization Certificate will have to be signed by the Director of the Company or the Reporting Authority of the Applicant.

The bidder should Ensure while procuring new digital certificate that they procure a pair of certificates (two certificates) one for the purpose of Digital Signature, Non-Repudiation and another for Key Encryption.

3.3 Recommended Hardware and Internet Connectivity

To operate on the Electronic Tendering System, the Bidder are recommended to use Computer System with at least 1 GB of RAM and broadband connectivity with minimum 512 kbps bandwidth. However, Computer Systems with latest i3/i5 Intel Processors and 3G connection is recommended for better performance.

Operating System Requirement: Windows 7 and above Browser Requirement (Compulsory): Internet Explorer Version 9 (32 bit) and above and System Access with Administrator Rights.

Toolbar / Add on / Pop up blocker

Users should ensure that there is no software installed on the computers which are to be used for using the website that might interfere with the normal operation of their Internet browser. Users have to ensure that they do not use any pop-up blockers, such as those provided by Internet Explorer and complementary software, like for example the Google tool bar. This might, in certain cases depending on users' settings, prevent the access of the EAS application

3.4 Online viewing of Detailed Notice Inviting Tenders

The Bidders can view the Detailed Tender Notice along with the Time Schedule (Key Dates) for all the Live Tenders released by CBI on the home page of CBI e-Tendering Portal on <https://centralbank.abeprocure.com/FPROC>

3.5 Download of Tender Documents:

The Pre-qualification / Main Bidding Documents are available for free downloading. However, to participate in the online tender, the bidder must purchase the bidding documents via Demand Draft mode by filling the cost of tender form fee.

3.6 Online Submission of Tender

Submission of Bids will be preceded by Online Submission of Tender with digitally signed Bid Hashes (Seals) within the Tender Time Schedule (Key dates) published in the Detailed Notice Inviting Tender. The Bid Data is to be prepared in the templates provided by the Tendering Authority of CBI. The templates may be either form based, extensible tables and/or unloadable documents. In the form based type of templates and extensible table type of templates, the Bidders are required to enter the data and encrypt the data/documents using the Digital Certificate/Encryption Tool.

In case Unloadable document type of templates, the Bidders are required to select the relevant document / compressed file (containing multiple documents) already uploaded in the briefcase.

Notes:

- a) The Bidders upload a single documents unloadable option.
- b) The Bid hash values are digitally signed using valid class II or Class - III Digital Certificate issued any Certifying Authority. The Bidders are required to obtain Digital Certificate in advance.
- c) The bidder may modify bids before the deadline for Online Submission of Tender as per Time Schedule mentioned in the Tender documents. d) This stage will be applicable during both. Pre-bid/ Pre-qualification and Financial Bidding Processes.

The documents submitted by bidders must be encrypted using document encryption tool which available for download under Download section on

<https://centralbank.abeprocure.com/EPROC>

Steps to encrypt and upload a document:

- Select Action: Encryption-> Tender ID: (enter desired tender ID) -> Envelope: (Technical/Price Bid)-> Add File: (Select desired document to be encrypted)- > Save File(s) to: (select desired location for encrypted file to save).
- After successful encryption, format of encrypted file will change to .enc which is required to be uploaded by bidders.
- After encryption bidders are required to upload document as per the mandatory list mentioned in the envelope i.e. Technical/ Commercial.

Note: Bank and e-Procurement Technologies Limited shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the e-tender platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the event. Bidders are advised to ensure system availability and prepare their bid well before time to avoid last minute rush Bidder can fix a call with support team members in case guidance is required by calling on below mentioned numbers.

Bidders need to take extra care while mentioning tender ID, entering incorrect ID will not allow Bank to decrypt document.

3.7 Close for Bidding:

After the expiry of the cut-off time of Online Submission of Tender stage to be completed by the Bidders has lapsed, the Tender will be closed by the Tender Authority.

3.8 Online Final Confirmation:

After submitting all the documents bidders need to click on "Final Submission" tab. System will give pop up "You have successfully completed your submission" that assures submission completion

3.9 Short listing of Bidders for Financial Bidding Process:

The Tendering Authority will first open the Technical Bid documents of all Bidders and after scrutinizing these documents will shortlist the Bidders who are eligible for Financial Bidding Process. The short listed Bidders will be intimated by email.

3.10 Opening of the Financial Bids:

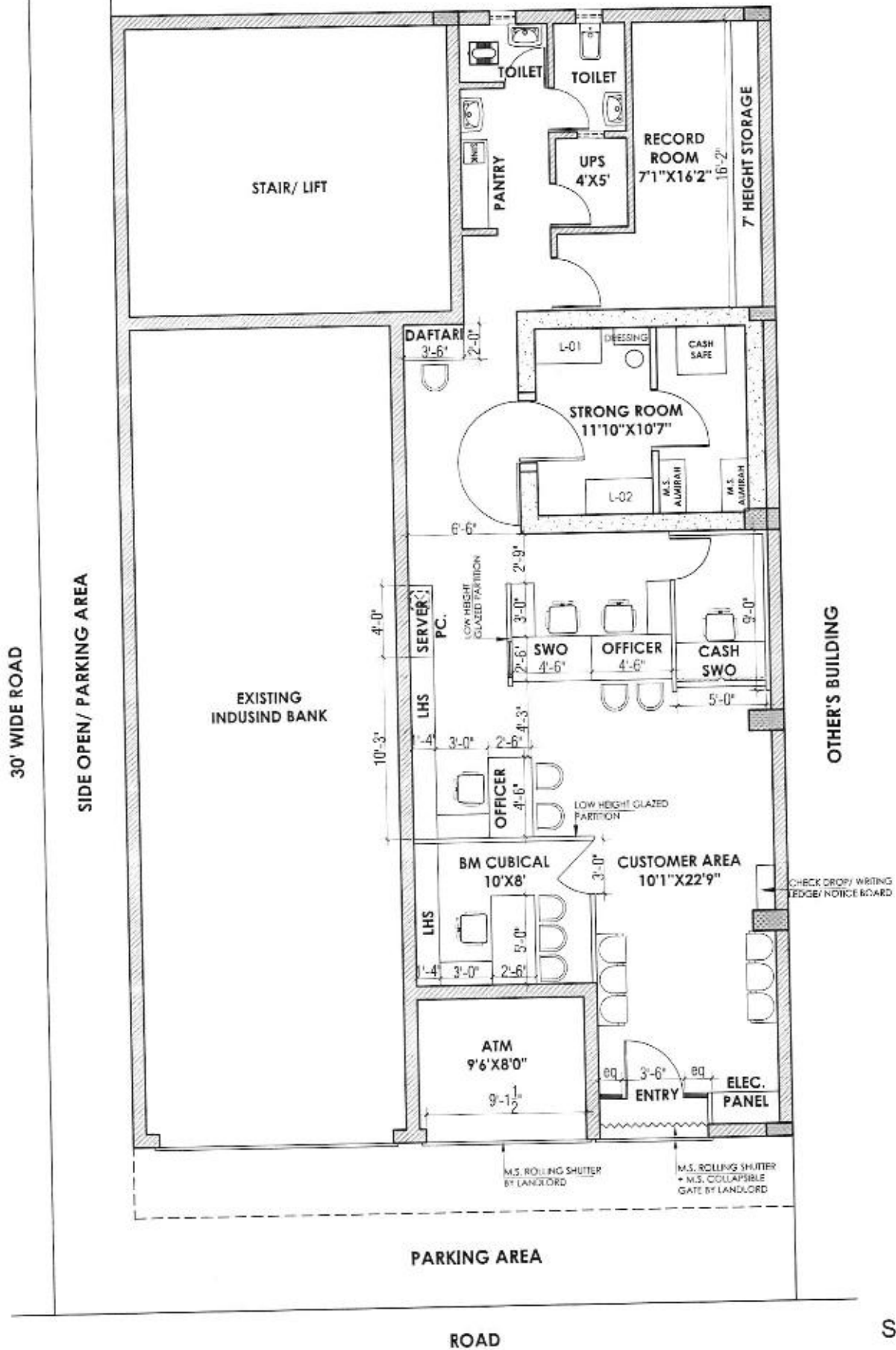
The Bidders may join online for tender Opening at the time of opening of Financial Bids Tendering Portal after the completion of opening process. However, the results of the Financial Bids of all Bidders shall be available on the e-tendering Portal after the completion of opening process.

3.11 Tender Schedule (Key Dates):

1. The Bidders are strictly advised to follow the Dates and Times as indicated in the Time Schedule in the detailed tender Notice for the Tender: All the online activities are time tracked and the electronic Tendering System enforces time-locks that ensure that no activity or transaction can take place outside the Start and End Dates and time of the stage as defined in the Tender Schedule.

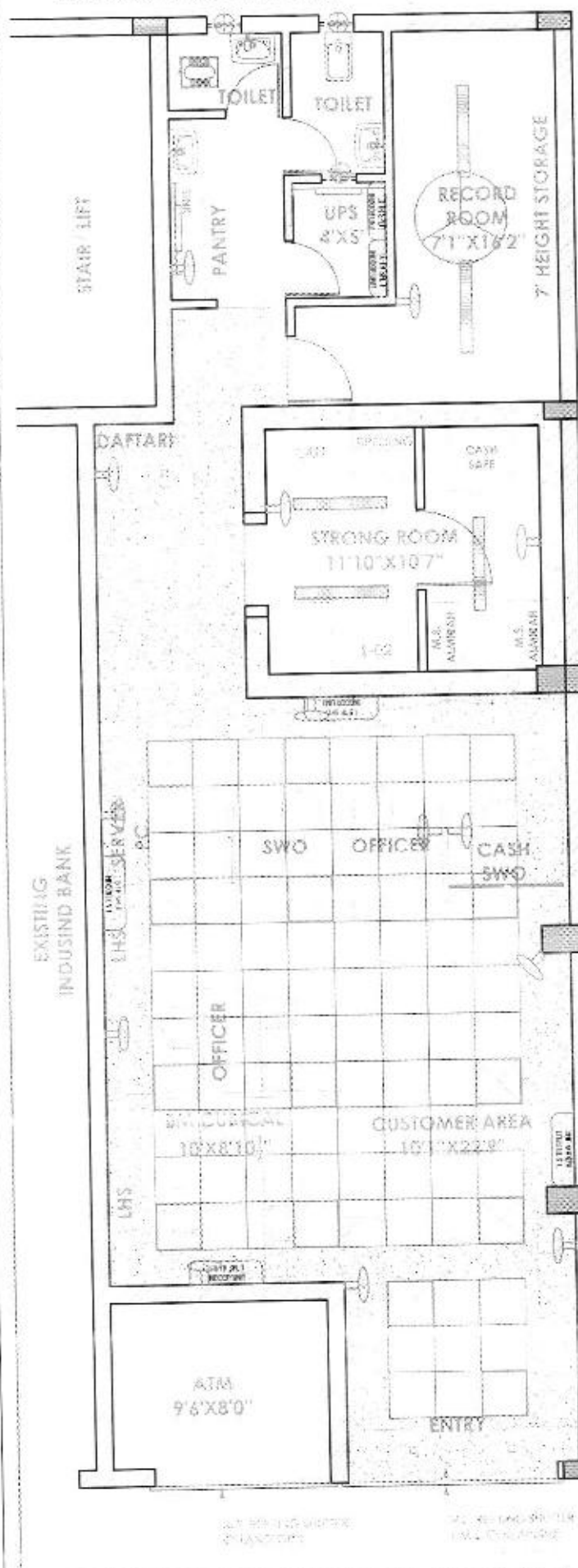
At the sole discretion of the tender Authority, the time schedule of the Tender stages may be extended.

LANDLORD'S REAR OPEN AREA



FURNITURE LAYOUT PLAN BO SHAMSHABAD

LANDLORD'S REAR OPEN AREA



LEGEND	
	SWITCH BOARD
	2x2 LED CEILING LIGHT
	4' SQUARE/ROUND LED CEILING LIGHT
	EXT TUDE LIGHT WALL MOUNTED
	15WATT LED BULB
	EXT TUDE LIGHT CEILING MOUNTED
	DISTRIBUTION BOARD
	SET/IDATA, I/OCC, UPS, 1000 3A RAW POWER
	15A POWER POINT
	20A POINT
	3A POINT
	15A UPS POINT
	TELEPHONE POINT
	EXHAUST
	WALL FAN
	4' x 4' LED CEILING FAN

FURNITURE LAYOUT PLAN BO SHAMSHABAD

Estimate for furnishing works for Central Bank of India, BO Shamshabad Road, Agra (METRO) under Agra Region (Quoted rates shall be inclusive of all labour, material, scaffolding etc and (Excluding GST))					
1	No Offsite pre fabrication shall be allowed in any case. All fabrication shall be done at the site after getting the materials inspected				
2	No Payment shall be made for any in completed or unsatisfactory work.				
3	The Contractor should strictly follow the shop drawings/ specifications requirements of the Bank, including the detailed drawings in the Booklet. Any discrepancy between the drawings/ specifications and the specification below should be brought to the notice of Architect				
4	List of materials to be strictly as per the shop drawings/ specifications.				
5	Cable managers to be provided in the tables and counters wherever required.				
6	All under frame wooden work should be properly treated with ant termite and waterproofing material.				
7	All Locks in drawers and door sets etc. should be Godrej or equivalent brand as specified or approved by Architect.				
8	All keyboards Trays & Drawers to be on Channel Sliding Mechanism.				
9	Etching to be provided as per Bank's design, specification and Architects instructions only.				
S.No.	Item Description	Quantity	Unit	Rate	Amount
A	CIVIL /FAÇADE & DISMANTLING WORKS (IF ANY)				
2	FLAMED GRANITE CLADDING (In steps & Entry): Providing and fixing 18 mm thk grey flamed finished granite slabs fixed with 20 mm thk cement mortar 1:4 mix (1 part cement, 4 parts coarse sand) as per the drawing. The grooves to be as/drg & instruction of architect in charge and slabs to be in perfect line, level and plumb. Joints to be filled with cement based matching grout. Basic Rate of granite - 92/- per sq.ft (For Entry Steps/ Facade).	38.50	Sqft.		
	TOTAL FOR CIVIL & DISMANTLING WORKS (A)				
B	FALSE CEILING WORK				
1	PLAIN GYPBOARD FALSE CEILING WITH PAINTING : Providing and fixing suspended false ceiling consisting of 12.5mm thick Gypsum board (India Gypsum) suspended on GI framework. GI framework to consist of GI perimeter channels 0.55mm thick 20mm x 30mm along perimeter of false ceiling of ceiling, screw fixed to wall/partition with nylon sleeves and screws @ 600mm c/c. Suspending GI intermediate channels of size 0.9mm thick 45mm x 15mm from the soffit at max dist 1220mm c/c with ceiling angle 0.55mm thick 25mm x 10mm fixed to soffit using proprietary supplied GI cleats and steel expansion fasteners. Boards to be finished with proprietary supplied jointing tape and jointing compound and sand papered to achieve a smooth and seamless finish and 2 coats of primer along with coats of Acrylic paint suitable for Gypsum board up to Bank's Satisfaction .Rate quoted to include vertical all cut-outs required for light fixtures, smoke detectors and other services cut-outs complete as directed by Architect. Only Horizontal plan area will mesured for payment purposes.	410.00	Sqft.		
2	GRID FALSE CEILING /Modular False ceiling : Providing and fixing suspended false ceiling consisting : approved make MODULAR CEILING	388.00	Sqft.		
	Providing & Fixing false ceiling at all heights of 600x600 mm Armstrong mineral fibre ceiling tiles of type RH-90/95 laid on Armstrong prelude XL exposed grid systems with 9mm wide T-section flanges color white. The frame work comprises of main runner spaced at 1200 C/C hangers (GI wire) to be fixed by the approved roof plugs, screws etc. The last hanger at the end of each main runner should not be greater than 450 mm from the adjacent wall. Fitting 1200 long cross tees (with double stitching) to be interlocked between main runners at 600mm center from 1200x600mm modules. Cut cross T section longer than 600mm to be supported independently 600x600mm module to be formed by fittings 600mm long flush fitting cross tees centrally between the 1200mm cross tees. Perimeter trim to be Armstrong wall angle secured to walls at 450 mm maximum centres.				
	TOTAL FOR FALSE CEILING WORKS (B)				
C	INTERIOR FURNISHING WORKS				
1	P/F SOLID PARTITIONS made out of Aluminium cross section / 2"x1 1/2" salwood section framework 2'-0" c/c both ways treated with ant termite solution, covered with 8 mm thk commercial BWR ply wood / partly glazed with approved shape & shade 1mm thk laminate/mica fixing on inside of panel with 1.5 mm thk grooves in panel as per the design with provision of the openings in the panel for switch boards, box and cuts in frame for carrying conduits if necessary and fixing 1.0 mm laminate on the outside face of shade and colour as per Bank's colour scheme given in the tender specification with 8 mm glass to be given in the design. The open edges are to be blocked by teak wood bead of required size and design. All provisions to be made for all electrical, networking boxes onto partition framework at required heights/levels with necessary additional supports as directed.	33.00	Sqft.		
	Providing and pasting frosted film (3M, Garware make) on glass work including Bank's logo as required & as directed by the Architect.				

	Including providing of solid flush door made out of 35mm with both side laminate finish with necessary fitting with door closer provision . All material is of approved brand. Size of door 900 x2100 Doors-Providing and fixing single leaf solid core flush door 40mm thick factory made, finished on both sides with 1.0mm thick laminate of approved shade as indicated in drawing. Shutter to be lipped on all sides with 12mm thick teak wood beading. Applicable hardware's to be considered for following doors according to requirement as per detailed drawings including below mentioned hardware-Door closer,SS Ball bearing Hinges ,SS foot operated Door stopper,SS Mortise Latch Lock / concealed dead lock,SS Mortise Handle.				
	Measurement shall be considered only up to False Ceiling Level only.				
2	Full/ Low height /glazed partition with 12 mm glass with polished edges.	189.50	Sqft.		
a	Sal wood frame of section 2.5"x1.5" fixed in position with 2.5" to 3" long steel neetle fold screw. The vertical and horizontal members being placed at 2' C/C as per site condition as directed Architect in charge.				

b	Panel for solid partition fixing 8 mm water proof plywood, ant termite, borer proof plywood of century, Duro make on both the sides of frame work with fevicol SH and headless nails of 17 no of 1.25" length and securing the cover with 1.5" long steel nettled fold screw. Making the plywood surface level before fixing the laminate/veneer.				
c	1mm thk laminate/ mica fixing on inside of panel with 1.5 mm thk Groove in the panel for switch borads, box and cuts in frame for carrying conduits if necessary, and fixing 1.0mm laminate on the outside faces of shade and colour as per CBI colour scheme given in the design. The open edge are to be blocked by teak wood bead of required size and design with 6 mm groove.				
d	Including below mentioned hardware-Door closer,SS Ball bearing Hinges ,SS foot operated Door stopper,SS Mortise Latch Lock / concealed dead lock,SS Mortise Handle.				
e	Providing and pasting frosted film (3M, Garware make) on glass work including Bank's logo as required & as directed by the Architect.				
3	P/F CEMENT BONDED PARTICLE BOARD PARTITIONS made out of Galvanised Aluminium cross section 2"x1 1/2" framework (with minimum thickness of 1.6mm to 2mm) at 2'-0" c/c both ways, covered with 6 mm thk Cement Bonded Particle Board / partly glazed with approved shade. Finished with primer and 2 coats of paint as per Banks approved shade including making grooves as per design with provision of the openings in the panel for switch boards, box and cuts in frame for carrying conduits if necessary with 8 mm glass (if any) to be given in the design. All provisions to be made for all electrical, networking boxes onto partition framework at required heights/ levels with necessary additional supports as directed. Make: Blson make cement bonded particle board.	0.00	Sqft.		
4	Providing and fixing of Toughened glass doors with below fixtures of size 3'-6"x7'-0"mm	1.00	No's.		
	Door Lock				
	Door stopper				
	Floor Machine				
	Parch fitting				
	S.S. Handle 12" long				
5	Providing and fixing of fixed Toughened glass at Main entry upto 7' Height Only with all necessary hardware & fittings, complete in all respects.	56.00	Sqft.		
6	WALL PANELLING: Fabricating and fixing wall/column panelling to consist of 37.5mm x 50mm treated salwood framework or Aluminium Sections at spacing not exceeding 600mm both ways (horizontal and vertical). Panelling framework to be secured to wall surface/column surface. Panelling framework to be clad on one side with 8mm thick commercial ply finished with 1.0mm thk laminate including skirting of 100mm high & 12mm x 12mm groove at skirting level. AT GYPSUM CEILING BOTTOM LEVEL 25MM RED+75 MM BLUE BANK'S BRANDING PATTA IS TO BE PROVIDED ALL AROUND THE BANKING HALL AND AS PER INSTRUCTIONS OF ARCHITECT.	614.13	Sqft.		
7	P/F Decorative Wall/ wall panelling made of teak wood, artificial grass, plants, and LED concealed lights etc. as per design. Work shall be completed in all respects and as per instructions of Project Architect. For BM Cabin Back Wall	68.00	Sqft.		
8	FILE STORAGE CABINETS: Providing and fixing the 1'-6" wide storage units. The storage units shall have shutters made in 19mm plywood and finished in laminate of approved shade including top. The storage units shall have intermediate shelves made in 19mm thick plywood with matching wood lipping. The storage shall have matching wood edge moulding as per the detail drawings. This also includes providing necessary hardware like handles, hinges, locks, tower bolts etc of approved make. All exposed wooden surfaces shall be stained to shade. (same for Over Head storage required above Pantry counter.)	165.25	Sqft.		
9	WRITING TABLE: Writing desk made of wood with glass top as per Design. Size: 3'0"x1'0" minimum. Writing Ledge to have facility of pigeon holes beneath to place the pay in / pay-out slips etc.	1.00	No's.		
10	VERTICAL BLINDS -P/F Blinds made using 100% polyester with acrylic polymer coating.(only for external windows. In case of front facia necessary approval need to be obtained).	0.00	Sqft.		

11	CHEQUE DROP/ COMPLAINT BOX :(2'-0" x 18" High X 10" deep) Providing and fixing cheque drop/ Complaint box made out of 19mm thk. Commercial plywood grade I finished with 1mm thk. Laminate. Slit should be provided to drop cheques and opening provided with locking arrangement to remove cheques, complete in all respect.	1.00	No's.		
12	NOTICE BOARD: Providing and fixing notice board of 4'-0"x2'-6" size in ply board of 6mm fixed on a frame of 50 mm x 25 mm well seasoned wood polished and top fixed with bead. 12mm thk. Soft board clad with fabric of matching colour and shade complete with all fixtures necessary as required.	1.00	No's.		
13	WHITE BOARD: Providing and fixing WHITE board of 4'-0"x2'-6" outer edges finish with aluminium anodized section.	0.00	No's.		

14	ARTIFICIAL PLANTERS & PLANTER BOX: Providing & fixing of 1'-6" x 3'-0" planter box 18" high, made of 19mm thick ply board, with teak wood Gola of size 1 1/2 "x 3/4 " as per design, which is to be polished as per color scheme. The planter box shall be finished with 1mm thick laminate of approved shade / colour, complete as per Bank's approved brand/make. Inside of planters shall be painted with synthetic enamel paint as per color scheme. Planter box to be furnished with white rounded pebbles & Artificial Bamboo Silk trees or Artificial Palm Trees of 3'-0" ht. (3 Nos. trees per planter box).	1.00	No's.		
15	DRESSING TABLE(Strong Room): Providing & supplying dressing table with mirror of size 1'-0" x 5'-0" including sitting desk for locker room as per standard design of locker room / dwg.	1.00	No's.		
16	CENTRE TABLE: Providing Centre table of 30" diameter, with stainless steel base frame & 12mm glass of approved quality at top as per drawing approved by Bank.	1.00	No's.		
17	TABLES/ COUNTERS				
	Providing and placing in position tables with top, Vertical sides/ dividers, skirting and modesty panel made out of 19mm thk Premium board (Green/ Century) with 1mm thk laminate (as/ bank's shade approved by architect) on all exposed surfaces. It shall also have 75mm x40mm teak wood runners below the top and for footrest below. Every table shall provided with side unit (size- w-500mm, H-750mm approx.), consisting of 150mm deep drawer at top and a cabinet with open able/ hinged shutter below.				
	The facia of drawer and shutter of cabinet below shall be made out 19mm thick Premium Board (Green /Century) with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm thick Premium Board (Green /Century). The side unit shall have CAM locks, handles, guides, sliding units, hinges, magnetic catcher's etc. of approved make. Every table shall be provided with a keyboard drawer unit (size - W-550mm, H-100mm, D-300mm approx.) below. The table shall have 100mm deep fascia, below the top, in which keyboard drawer unit shall be adjusted. It shall be made out 19mm thick water proof board with 1mm thick laminate (as/shade approved by the Architect) and sides and bottom of drawer shall be made out of 12mm Premium ply (Green /Century). The unit shall have CAM locks, handles, guides, sliding units etc. of approved make.				
	The job shall include for 6mm x 6mm grooves in between sides and open able drawers and hinged shutters. All the exposed edges of Premium Board (Green /Century) and ply shall be provided with 6mm thick teak wood/hard wood lipping. All teak wood surfaces shall be melamine polished and other internal surfaces shall be painted with two coats of synthetic enamel over one coat of primer, all complete to the satisfaction of the Architect. Every table top shall be provided with 10mm thick float glass (as per profile) with polished/ bevelled edges.				
a	BM Table of size 6'-0"x3'-0" & 2'-6" high with Side credenza of size 4'-0"x16" & 2'-6" high	0.00	No's.		
b	Officer Table size 5'-0"x 2'-6" & 2'-6" high with Side credenza of size 3'-6"x16" & 2'-6" high	1.00	No's.		
c	Officer Table size 4'-6"x 2'-6" & 2'-6" high with Side credenza of size 3'x16" & 2'-6" high	3.00	No's.		
d	SWO Table size 4'-6"x 2'-6" & 2'-6" high	0.00	No's.		
e	Daftari size 3'x2'-0" & 2'-6" high	1.00	No's.		
18	CASH COUNTERS: Providing, Fabricating and supplying and fixing in position service/cash counter as per the plan made with 18mm,12mm and 6mm ply of approved make and quality with a counter top of 2.5' width at a height of 2.5'/3.5' from the floor, with a length of 5.0' or as per plan or directed/as per the site conditions, and each unit shall be provided with credenza, drawers, keyboard, shuttered shelves etc. complete. All exposed surfaces to be fixed with 1.0mm thk. Laminate and inside faces like drawers,table,side table and back face shall be pasted with 0.7mm off white liner mica. The back side of the cabinet, side tables wherever visible shall have mica same as that of color scheme with all necessary handles, locks, night latch, hinges, keyboard tray , CPU trolley, Foot rest, wire managers etc complete in all respects and full satisfaction to Bank/ Architect.	5.50	Rft.		
19	SERVER ROOM COUNTER: (without top glass) Laminate colour and shade as per the specification in the tender and lock handle of (Godrej, Dorset or equivalent).	5.00	Rft.		
20	CASH CABIN PARTITION(HT-7'-6"ONLY)	112.00	Sqft		

	Providing and fixing of wooden partitions made out of 50mm x 40mm sal wood (with anti-termite) under framing for horizontal (at 0mm, 75mm, 750mm, 900mm, 1200mm, 2100mm and 2250mm and ceiling levels) & vertical (at 600mm c/c approx.) divisions or as per site conditions. It shall be covered with 6mm thick Premium Ply (Green/Century) with 1 mm thick laminate. (from 0mm to 1200mm and 2100mm to 2550 mm/ceiling levels) on both sides. The design shall have grooves (horizontal or vertical) at various levels, as suggested by the Architect.				
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	The Job shall also include for provision of laying conduits, switch boxes etc. The erection of partition shall include for expansion bolts cleats, clamps bolts, nuts, screws, rivets and other accessories, all complete up to the satisfaction of the Architect All door opening shall have rebated teak wood framework (size - 75mm x 50mm, as per profile) on vertical (2 Nos.) and horizontal (1 No.) sides, with melamine finish and rebate of 40mm x 12mm, all complete up to the satisfaction of the Architect. It shall also include for door shutters, as per required width and 2250 mm high. It shall be made out of 75mm x 25mm, kail/patal wood (with anti-termite) under framing for styles, top, middle and 100mm x 25mm for bottom rail. It shall be covered with 6mm thick Premium Ply (Green /Century) with 1mm thick laminate, (from 0mm to 900mm and other under frames) in shade and pattern approved by the Architect, on both sides.				
	The design shall have teak wood beading as per profile with melamine finish Door shutters shall have teak wood edging size 40mm x 10mm, as per profile on all sides, with melamine finish. Each shutter shall have hinges floor spring/sliding arrangement/hydraulic door closer (heavy duty), mortise locks, etc. The rate shall include cost of all Immaterial, labour, T&P, wastage etc. required for proper work.				
19	GLASS BARRIER: for cash cabin 12MM NECESSARY) Including ETCHING work.	40.00	Sqft		
	Providing and fixing glass barrier (as per profile and design) in front of cash and ledger counter made out of 12mm thick polished edged float glass (Make - Modi guard or equivalent). It shall have 25mm x 20mm teakwood beading (as/shape approved by the Architect) to hold the glass from sides and top (optional). All teak wood surfaces shall be melamine polished. The rates shall include for cutting in geometrical shape) and polishing the edges, all complete to the satisfaction of the Architect.				
21	METER BOXING (Only front face to be measured for payment purpose)	42.50	Sqft		
	Manufacturing, supplying and fixing box type meter storage with overall depth of 1'6" and height as per the size of the metre, comprising of the following.				
	19mm block board hinged double shutter, height as size of the panel with all around beadings 3/4" x ". powder coated handles, piano hinges, magnetic ball catches, lock, locking arrangement, tower bolts etc., all as per directions.				
	All visible surfaces to be fixed with 1.0mm thick lamination sheet with matching grains & grooves as per instructions.				
	All internal & rear surfaces to be painted with two coats of enamel paint over a coat of primer/putty as directed to get a smooth finish.				
	Only front area will be measured for payment purpose.				
22	Panelling & shutter Boxing with A.C.P. (with Trap door)	164.50	Sqft		
	ACP Panelling & Rolling Shutter Box.				
	Frame Work-2" X 2" X 1.5 mm thick Aluminium Tubular section (Horizontal/Vertical) Jindal Make.				
	Aluminium Composite Panel-3.0mm thick of approved color with bonding material.				
22	Signage including lighting MS square pipe of 1" x 1" - 18 gauge for framing with one coat of red oxide & 2 coats of oil paint to avoid rusting. 3" stainless steel Hinges at every 2 on top and Alan key lock at bottom for easy maintenance of electrical. Powder coated 24 gauge GI sheets on all Top, bottom & sides. 26 gauge GI sheets at the back as per specification enclosed. Timer: LDR based timer make Kakalia energy system or GE/L&T Make with 5 years comprehensive warranty from manufacturer of the flex/ vinyl and substrate for Indian weather and dust conditions without any restrictive sub clauses. Copy of valid warranty to be provided to the bank.	66.00	Sqft		
23	VINYL FLOORING (Strong room): Providing and fixing of 2 mm thk. 2'x2' tiles/roll of approved make & color inclusive of 4" to 6" skirting. The adhesive must be applied only after proper cleaning/ washing of the surface on which the tiles/roll are to be fixed. The rate is inclusive of cleaning repairing the floor wherever required and removing the spilled out adhesive, stains etc. on the surface. (In strong room/ locker room).	150.00	Sqft.		
TOTAL FOR INTERIOR FURNISHING WORKS (C)					
ELECTRIFICATION AND DATA CABELING WORKS					
D	WIRING AND CABELING				
	The rates for the point wiring shall include providing and fixing of following:				
a	Wiring of the point of any length from distribution board to point outlet Including circuit wiring (i.e. from DB to Switchboard)				
b	Earthing of all switch box and all outlet boxes fitting, fans, 3rd pin of plug with 1.50mm copper wire.				

c	Modular Switch/ Sockets of Standard make with necessary modular series cover plate and MS Boxes				
d	Embedding all conduits in walls laying in slabs, above false ceiling or in floors including all accessories as required, cutting and refilling the chases with cement mortar .				
e	Providing, fixing Modular switches, sockets, M.S. boxes (1.6mm thick) draw boxes, G.I. Pull wires (where required), brass screws, ceiling rose/connector etc.				

	Adopting separate and independent system of wiring for lighting, power (normal and essential supply). Wiring for following points using PVC insulated copper conductor wires of 650V/1100V grade in MMS grade-PVC conduit concealed/ exposed including switches & sockets as above.				
9	LIGHT : (Maximum three points to be looped from primary) POWER: (Maximum TWO points in one circuit)				
	INTERNAL WIRING				
1	POINT WIRING :				
	Providing wiring (supply, fixing, testing and comm. etc) for light point / Exhaust fan point / Call bell point/6A Switch-socket point etc with 2x1.5+1x1.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend , junction box etc in concealed/surface manner as per site requirement with suitable Modular Switches with plate and metal / PVC box, ceiling rose , bulb holder etc including 1.5 sqmm PVC insulated copper earth wire etc complete as required. Wire colors : Red, Black, Green .Supplying, providing wiring (supply, fixing, testing and comm. etc) for circuit with 2 x 1.5 + 1 x 1.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.				
a	Providing and fixing Primary light point	27.00	No's.		
b	Providing and fixing Secondary light point (Maximum three points to be looped from primary)	5.00	No's.		
c	Plug point /ceiling Rose Point (for wall fans/Exhaust fan)Supply, fixing and commissioning of 1 No 6A multi Socket with 1 No. 6A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc. complete as required as per site requirement and as directed.	17.00	No's.		
d	P&F Bell point i/c of buzzer	1.00	No's.		
e	6 AMP. POINTS ON SAME BOARD (Half point) :				
	Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch (Modular type) with cover plate , sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.	10.00	No's.		
f	Ceiling fan point (rate should include electronic fan speed regulator)	1.00	No's.		
2	16 AMP. POWER POINTS:(including circuit wiring)				
	Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No. six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate , sheet steel box etc on surface / concealed manner I/c electrical wiring with 2 X2.5 sqmm + 1 X 2.5 sqmm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board to destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.	7.00	No's.		
3	AC POINTS :				
	Supply, Installation, Testing and commissioning of the surface / recess mounting distribution board with 20 A Metal plug and socket, with 20 A/25A/32A SP MCB Incl. wiring with 2 X 4.0 sq mm + 1 X 4 sqmm PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.(MCB of C-Curve with S.C Capacity 10 kA)	6.00	No's.		

	PANELS AND D.B.'s				
4(a)	MAIN PANEL/VTPN(4 WAY) :(With following minimum capacity)				
	Supply, installation, testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board wall mounted fabricated with 14swg and 16swg of CRCAM.S. sheet duly painted with two coat of metal red oxide and two coat of fire resistance paint at inside and out side of the panel, bus-bar chamber, outgoing switchgear etc (all feeder unit Would be compartmentalized), color coded PVC sleeved vertical / horizontal busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket, hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / mccb / mcb or where ever required, two earthing terminal busbar of size 25 x 5 mm with nut & bolts at out side of the panel, rating and name plates for all incoming & outgoing, two eye two nos eye bolts, wire mesh jali for ventilation etc comprising with the followings.				
	NOTE:-				
	Sheet 16 swg : panel sides, upper, lower, and Fl. doors				
	Sheet 16 swg : back side and compartments.				
	Gland plates : 3 mm thick.				
	Cable entry : Provision at bottom and upper sides.				
	Inside the panel : white colour paint.				
	Outside the panel : Grey colour paint, or as directed.				
	INCOMER				
	1 Nos 80 Amp MCCB, 25 KA- 4 Pole, C-curve				
	1 Nos - 100 A TPN insulated Copper Bus Bar				
	Set of Indicator Lamps				
	Set of Voltmeter + Ammeter + Selector Switch				
	OUTGOINGS				
	3 Nos- 40 Amp, 1 No- 63 A TPMCB, C-curve				
	100/125 amp CHANGE OVER				
	SET AS ABOVE	1.00	No's.		
(b)	SFU TPN 80 A with HRC fuses (just after meter and prior to Main Panel)	1.00	No's.		
5	LIGHT DISTRIBUTION BOARD				
	Supply, Installation, Testing and commissioning of the surface / recess mounting following way TPN MCB three phase distribution board for single phase outgoing with IP 42 protection, direct on wall incl. the followings accessories.				
	INCOMER				
	1 No. TPN-RCBO/ELMCB 40 Amp, 100 ma sensivity				
	OUTGOINGS				
	6-8 Nos SPMCB 6/10/16 Amp, B-Curve				
	SET AS ABOVE	1.00	No's.		
	incl. Electrical connection, earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
6	AC DISTRIBUTION BOARD				
	Supply, Installation, Testing and commissioning of the surface / recess mounting following way MCB three phase distribution board for single phase outgoing with IP 42 protection, direct on wall incl. the followings accessories.				
	INCOMER				
	1 No. TPMCB 63Amp, C-curve				
	OUTGOINGS				
	8 Nos SPMCB 25/32 Amp, C-curve				
	SET AS ABOVE	1.00	No's.		
	incl. Electrical connection, earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
	SUBHEAD IV : UPS WIRING				
7	U.P.S. DISTRIBUTION BOARD (INCOMER)				
	Supply, Installation, Testing and commissioning of the surface / recess mounting following way Double door MCB D.B. Single phase distribution board (Consumer unit) for single phase out going with IP 42 protection incl. the followings accessories - incl. Electrical connection, earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
a	INCOMER				
	1 NOS 40 A DP MCB				
	OUTGOINGS				

	2 Nos- 40 Amp DP MCB	1.00	No's.		
	SET AS ABOVE				
b	UPS DIST. BOARD OUTGOINGS.				
	1 NOS 12 WAY SPN DIST BOARD				
	1 Nos- 40 Amp DPMCB				
	6-8 NOS 6/10 AMP SPMCB	1.00	No's.		
	SET AS ABOVE				

8	SPECIAL POINTS: (UPS) any length (TO WORKSTATIONS)				
	Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, sheet steel box etc on surface / concealed manner i/c electrical wiring with 2 X 2.5 sq mm + 1 X 2.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in rigid MMS grade PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.				
	1 Nos. 16 A Switch + 3 Nos. 6 A. 5 pin Socket.	10.00	No's.		
9	EARTHING				
	Preparation of the Earth station : (as per I.S. 3043)				
i).	Excavation of rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm deep.				
ii).	S/F of Copper plate of size 600 X 600 X 3.00 mm				
iii).	Supply & fixing 25 mm X 5 mm, 3 mtrs copper strip from copper plate to earth terminal including brazing/welding at plate etc.				
iv).	Supplying and laying in position 15 mm, 2 mtrs G.I. B class perforated pipe for watering.				
v).	S/F of one set of reducer / funnel with mesh.				
vi).	S/F of the following in the earth station.				
vii).	75 Kg. Charcoal.				
viii).	50 Kg. Original Salt.				
a	Construction of earth pit chamber incl necessary brick work, concrete, plastering, S/F of C.I. cover of size 12" X 12" complete as per site requirement with watering arrangement etc complete.	2.00	No's.		
b	Supplying and laying 25 X 3 mm copper strip direct on wall/ in ground with screws and washer including soldering / welding etc if required..	1.00	No's.		
c	Supply and laying of 6.0 sqmm PVC insulated copper wire from earth station to main panel board in 20 mm GI Pipe including all materials, accessories etc complete.	95.00	Mtr		
	CABLING :				
10	LT.CABLES :				
	Supply, laying, testing and commissioning of the following 1100 volt grade pvc insulated Al / Cu. Conductor armored cable inner and outer sheathed, along with the two run of G.I. earth wire i/c termination with brass gland and Al. lugs etc. complete as required.				
	On surface :				
	S/Fixing the cable on wall / column / beam / ceiling / above false ceiling / existing trench etc incl. s/f of saddles / spacers (wherever required as per site conditions) and two run of G.I. earth wire along with the cable. Making good all the damages.				
a	4 C x 10.0 sqmm armored copper cable with 10 SWG 2 Nos G.I. wire for Electric room / Ups room.	65.00	Mtr		
b	3.5 C X 35 sqmm. Al. Armored (with 10 SWG 2 Nos. G.I. wire) from electric pole to METER ROOM.	55.00	Mtr		
11	E-DG Set Supply				
	S/laying of 3.50 x 25sq.mm XLPE Insulated armored Copper Conductor cable from proposed DG set to Changeover switch including its connections at both ends with lugs to be laid in 25mm dia rigid PVC flexible conduit.	65.00	Mtr		
12	100/125 amps change over switch of Havels make	1.00	No's.		
	TELEPHONE WIRING / CABLING SYSTEM.				
13	TELEPHONE POINT :				
	Supplying, Installation, testing and commissioning of the telephone point with the followings -				
i).	Two pair, 0.61 mm dia. telephone cable tinned copper conductor, P.V.C. insulated and sheathed, fire retarding, anti termite, color coded twisted pairs and rip cord.				
ii).	HMS Pvc pipe on beam /column / wall / floor etc with all necessary materials i/c connections, identification by numbering etc complete as required as per I.T.D. specification.				
a	Double outlet with shutter modular type Telephone Outlets (RJ - 11) with suitable size PVC modular boxes complete as required.	1.00	No's.		
b	Single outlet with shutter modular type Telephone Outlets (RJ - 11) with suitable size PVC modular boxes complete as required.	3.00	No's.		

c	Providing and fixing 10 pair KRONE make telephone tag block with 10 pair module with termination and crimping complete and making good the surface as required/directed.	4.00	No's.		
d	Providing and fixing 10 pair armored tinned copper telephone cable in 32 mm PVC conduit from telephone utility junction box.	85.00	Mtr.		

14 COMPUTER CABLING SYSTEM.				
i)	Supplying, installation, testing and commissioning of the Computer point with the followings -			
ii)	Four pair STP CAT 6 LAN cable finned copper conductor, P.V.C. insulated and sheathed, fire retarding, anti termite, color coded twisted pairs and rip cord. (from server room switch to I/O outlet)			
iii)	HMS Pvc Pipe on beam /column / wall / floor etc with all necessary materials i/c connections, identification by numbering etc complete as required as per At & T specification.			
a	Single outlet with shutter modular type I / O's Outlets (RJ - 45) with suitable size PVC modular boxes complete as required. (including 2 for ATM)	10.00	No's.	
b	Supply and Installation of following factory fabricated patch cords (STP-CAT 6) complete with connectors and boots on both sides. Two Meter length	8.00	No's.	
c	Supply and laying of Four Pair STP CAT 6 LAN cables including cost of 25mm dia 1.5mm thick PVC Conduit / Floor tucking. (Rate Only)	0.00	Mtrs.	
2	Supplying and fixing			
a	9U/12U Rack 3 side open	1.00	No's.	
b	Patch cord cat6 1 metre B/Y Color	10.00	No's.	
15 ELECTRICAL FITTINGS/ FIXTURES				
1	Supply, fixing, testing and commissioning of Recess mounted decorative luminaire with LED FIXTURES with class I electrical safety, complete as required Fitting Dimensions :			
a	32-40 watts, Minimum 2800 lumens LED SQUARE size 600X600X80 mm (Approx.) : CRI>80, PF>0.9	14.00	No's.	
b	14-15 w ,Minimum 850 lumens LED ROUND DOWN LIGHTER Diameter 110-165mm, CRI>80, PF>0.9	6.00	No's.	
c	1 x (32-36) watt LED Light batten with fitting wall mounted	2.00	No's.	
d	S/F of suspended/ surface mounted/ ceiling/ wall mounted 1200 mm long, 32-36 watt with 3600 lumen metal batten LED Tube lights complete in all respects and as per specification e.g. Crompton/ Philips/ Panasonic/ Syska make.	5.00	No's.	
e	S/F of 9 watt LED bulb with holder for pantry/ toilets at rompton/ Philips/ Panasonic/ Syska make.	3.00	No's.	
2	WALL BRACKET FAN			
a	Supply and fixing of the following fans Wall bracket fan white (400mm blade size)	14.00	No's.	
	CEILING FAN			
b	Supply and fixing of CEILING FAN 1200 MM Sweep	1.00	No's.	
	EXHAUST FAN:			
c	Supply and fixing of the following single phase Exhaust Fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wound, A & E class insulation, dynamically balanced, below 40 db sound level etc. Supplying & fixing of 300 dia Exhaust fans.	3.00	No's.	
TOTAL FOR ELECTRICAL AND DATA CABELING WORKS (D)				
E LOW SIDE AIR CONDITIONING WORK				
1	Supplying & Laying extra suitable Copper refrigerant piping with all required material.	105.00	Mtrs.	
2	Supplying & Laying extra suitable PVC Drain piping with all required material.	85.00	Mtrs.	
3	Supplying & Fixing suitable MS Stand for 1.5 tr/2 tr AC outdoor	6.00	No's.	
4	Supplying & Laying of power cable from indoor to outdoor suitable for 1.5 tr /2 tr	119.00	Mtrs.	
TOTAL FOR LOW SIDE AIR-CONDITIONING WORKS (E)				
GRAND TOTAL AMOUNT FOR WORKS (A+B+C+D+E)				
DISCOUNT % IF ANY				
FINAL AMOUNT AFTER DISCOUNT				

Note: All quoted rates are excluding the GST.