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ALLAHABAD

INDIAN BANK, M.C.B., M.I.ROAD , JAIPUR

PART – I

TECHNICAL BID

SPECIFICATIONS
&
CONDITIONS OF CONTRACT

FOR THE

ELECTRICAL WORK

M.C.B. BRANCH , JAIPUR

ARCHITECT

YASH GARG DESIGNER'S ,
106, NANDPURI COLONY, MALVIYA NAGAR, JAIPUR
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MEMORANDUM

Sealed, item rate, tenders are invited in the prescribed format from **EMPANELLED** contractors at **INDIAN BANK (ZONAL OFFICE JAIPUR)** for execution of INTERIOR FURNISHING, ELECTRICAL & AC WORK for the proposed branch at **M.C.B. BRANCH , JAIPUR** as per following details:

- a) Tender Document : ELECTRICAL Works of
M.C.B. BRANCH , JAIPUR
- b) Date of issue in Website : From **26.08.2025** to date of submission
- c) Last date of Submission of Tender : **09.09.2025 up to 3.00 p.m.**
- Place of Submission of Tender : The Office of field general manager,
Indian Bank , jaipuriya mansion,
Panch Batti , M.I. Road, Jaipur 302003
- d) Opening of technical bid By : **09.09.2025 up to 4.00 p.m.**
- e) Time of Completion of the Project : 30 Days from the date of Commencement
- f) Earnest money deposit : **Rs. 10,800.00/-** D. D. only in favor of
INDIAN BANK payable at JAIPUR. (D.D.
Will be attached in technical bid only)
- g) Tender Form Fees : Rs. NIL if downloaded from bank website.
: 2% of the accepted value of tender
(including earnest money) to be paid to the
Bank within 7 days of the Intimation of
acceptance of tender.
- h) Initial security deposit : 10% of total amount (Including initial
security deposit to be deducted from running
bills if any).
- i) Retention money : Either one week from the date of
acceptance letter or the day on which
contractor is instructed to take possession of
the site, whichever is later
- j) Date of Commencement
- k) Refund of total security : The initial security deposit comprising of

EMD shall be refunded to the contractor along with accrued interest upon issue of certificate of virtual completion by the Architect

l) Release of Retention money

- a) 50% of the retention money will be released on completion of work and issue of virtual completion certificate by the Architect.
- b) Balance 14 days after the end of defects liability period.

m) Minimum value of work For interim certificates

: 60% of work

n) Minimum period of Submitting Interim bills

: 20 days

o) Defects liability period

:12 (twelve) months from date of completion

INSTRUCTIONS TO TENDERERS:

1.0 Location:

1.1 The site is located at M.I. ROAD , JAIPUR

- 1.2 Tenderers must get acquainted with the proposed work and study drawings, designs, specifications, conditions of contract and other conditions carefully before tendering. The Tenderer shall seek clarifications on any item, if required, prior to submitting his tender. No request of any change in rates or conditions for want of information on any particular point shall be entertained after receipt of the tenders.
- 1.3 The Tenderer is advised to inspect the site to ascertain the nature of site, access thereto, location, facilities for procurement of materials, labour rates and execution of the work. The Tenderer shall be deemed to have full knowledge of the site and drawings whether or not he actually inspects them.

2.0 Submission of Tender:

Sealed Tender along with price bid shall be dropped in The office of the field general manager, indian bank , jaipuriya mansion, panch batti , m.i. road, jaipur 302003 and as per details given here under. The rates shall be filled in the Schedule given in, of the tender document.

In case of any queries, the Tenderer may contact following:

INDIAN BANK : CM , F.G.M.O JAIPUR

**Architect : YASH GARG DESIGNER'S,
106, NANDPURI COLONY, MALVIYA NAGAR,
JAIPUR. 9929595589**

- 2.1 The tender shall be submitted in single bid in a sealed envelope. The envelope containing the tender offer shall be duly super scribed with the name of work .
- 2.2 The Tenderer is requested to quote strictly as per the terms and conditions and specifications given in the tender document and not to stipulate any deviations. However, deviations, if unavoidable, should be indicated separately indicating the specific page number and clause number against which the deviations are made. Wherever specifications of certain works are not available they shall be deemed to be done as per relevant I.S code.
- 2.3 Addenda to this tender document, if issued, must be signed and submitted along with the tender document.
- 2.4 All pages to be initialed:
All signatures in tender documents shall be dated and stamped. All pages of tender documents shall be initialed at the lower right hand corner or signed wherever required in the tender papers by the Tenderer or by a person holding power of attorney authorizing him to sign on behalf of the Tenderer before submission of tender.

2.5 Rates to be in figures and words:

The Tenderer should quote in English both in figures as well as in words the rates and amounts tendered by him in the Schedule of Rates for each item and in such a way that interpolation is not possible. The amount for each item should be worked out and entered and requisite totals given of all items both in figures and in words. The tendered amount for the work shall be entered in the tender and duly signed by the Tenderer.

2.6 Corrections and Erasures

No corrections and alterations in the entries of tender papers shall be permitted. If any they shall be signed and dated in full by the Tenderer. Corrections with white fluid and overwriting are not permitted.

2.7 The tender shall contain the names, postal address of the residence and place of business of authorized person signing the tender and shall be signed in /his usual signature. Partnership firms shall furnish the full names of all Partners in the tender. It should be signed in the partnership name by all the partners or by duly authorized representative followed by the name and designation of the person signing. Tender by a Corporation shall be signed by an authorized representative, and a power of Attorney on their behalf shall accompany the tender. A copy of the partnership deed of the firm with names of all partners shall be furnished.

2.8 When a Tenderer signs a tender in a language other than English, the total amount tendered should, in addition, be written in the same language. The signatures should be attested by at least one witness.

2.9 Witness:

Witnesses and sureties shall be persons of status and propriety and their names, occupation and address shall be stated below their signatures.

3.0 Information required along with tender:

The following details are required to be submitted along with tender:

- a) List of Sub contractors to be employed.
- b) List of equipment proposed to be deployed for work.
- c) Site Organization chart with bio-data of Resident Engineer and key personnel proposed to be deployed at site.
- d) Income Tax Clearance and Sales Tax clearance certificates.
- e) Power of Attorney in the name of persons who has signed the tender document.
- f) BAR/PERT Chart.
- g) Each Tenderer shall submit with his tender a list of large works of like nature he has executed giving details as to their magnitude and cost, the proportion of work done

by the contractor in it and the time within which the works were completed. The Tenderer shall also submit along with his tender a list mentioning the names of manufacturers of specialized items.

- 4.0 Any printing or typographical errors/omission in tender document shall be referred to the Architect/Interior Designers appointed by the Bank and their interpretation regarding correction shall be final and binding on Contractor.

5.0 Transfer of Tender Documents:

Transfer of tender documents purchased by one intending Tenderer to another is not permitted.

6.0 Earnest money:

- 6.1 The Tenderer shall pay the amount of Earnest Money as mentioned in the Notice Inviting Tender, by Bank Demand Draft/Banker's Cheque payable to india bank, at JAIPUR. No interest on Earnest Money deposited by the Tenderer shall be allowed. The Tenderer should attach the bank draft/banker's Cheque along with the tender failing which the tender will not be considered.
- 6.2 The Earnest Money of the unsuccessful Tenderers will be refunded in form of same DD Submitted by them within a reasonable period of time without any interest.
- 6.3 The Earnest Money deposited by the successful Tenderer shall be retained as part of Security Deposit.
- 6.3.1 The Security Deposit shall be forfeited if the Contractor fails to observe any terms and conditions of the Contract.

7.0 Validity:

Tenders submitted by Tenderers shall remain valid for acceptance for a period up to 90 days from the date of opening of tender. The Tenderers shall not be entitled during the period of validity, without the consent in writing of Bank to revoke or cancel his tender or to vary the tender given or any terms thereof.

8.0 Addenda:

- 8.1 Addenda to the tender document may be issued if required to clarify documents or to reflect modifications to the design or contract terms.
- 8.2 Each addendum issued by the Architect/Interior Designer will be distributed to each person or organization to which a set of tender documents has been issued. Each recipient will submit the same along with his tender. All addenda issued by the Architect/Interior Designer shall become part of Tender Documents.

9.0 Right to accept or reject tender:

- 9.1 The acceptance of a tender will rest with the Bank who does not bind themselves to accept lowest tender and reserve to themselves the authority to reject any or all the tenders received without assigning any reasons. They also reserve the right of

accepting the whole or any part of the tender and the Tenderers shall be bound to perform the same at the rates quoted. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect or there is any correction not duly signed and dated by the Tenderer are liable to be rejected. For this purpose Tenderer shall quote rates for various items which will be self sufficient to meet their whole costs for executing any / every item. No demand for variations in rates for items executed shall be entertained on the plea of the Bank deciding to delete, alter or reduce the quantities specified in respect of the any item.

- 9.2 The work may be awarded to one or more agencies duly splitting the work at the entire discretion of the Bank and the Architect/Interior Designer. The quoted rates shall hold good for such an eventuality.

10.0 Rates:

- 10.1 The Bank is not concerned with any rise or fall in the prices of materials and labor. The rates quoted shall include all costs, allowances or any other charges including any enhanced labour rates etc. which may become effective for any reason including those due to acts of Government/ Statutory Bodies enacted from time to time by the State and or the Central Government. Under no circumstances, shall the Bank be held responsible for compensation or loss to the contractor due to any increase in the cost of labour or materials etc. **G.S.T. WILL PAID EXTRA BY BANK**
- 10.2.1 The rate quoted in the tender shall also include electric and water consumption charges for construction and erection. If power and water are available at the site, the Contractor shall have to make his own arrangements to obtain the connections from the available sources at his own expense and maintain an efficient service of electric light and power and water and shall pay for the services consumed and maintain the installations at his own cost. If no power and water are available at the site, the Contractor shall have to make his own arrangements to obtain power and water connections and maintain at his own expense an efficient service of electric light and power and shall pay for the electricity consumed.
- 10.3 The rate quoted in the tender by the contractor should include cost of -3- sets of 10" x 12" Photographs done by a reputed professional photographer, of the completed work.
- 10.4 Contractor to include cost of pest control treatment of the entire site, including white ants, Roaches, rodents for one year from date of virtual completion of the contract.
- 11.0 Contractor to coordinate and assist the Architect/Interior Designer in obtaining all Statutory approvals including MMC, CFO and any other State and Central rules in force. Any expenses incurred in obtaining such approvals are deemed included in the rates quoted by the Contractors.
- 12.0 The entire interior work shall be guaranteed to be free from manufacturing defects, defective workmanship or materials and any defects that may appear within 12 months from the date of issue of completion certificate which in the opinion of the Bank/Consultants have arisen from bad manufacturing, workmanship or materials, shall upon intimation be made good by the Contractor at his own cost within the time specified. During the said period of 12 months the Contractor shall without any extra cost, carry out all routine and special maintenance of the Interior and attend to

difficulties and defects that may arise. The Tenderer / Contractors shall associate with him during the execution and free service period, the operation and maintenance staff of the Bank.

- 13.0 Payments for the work to be executed under this contract shall be made as per the tender Document and no variation in the mode of payment will be acceptable. The Tenderer shall guarantee that the work shall conform to the detailed specifications.

14.0 Signing of the contract:

- a. The successful Tenderer shall be required to execute an agreement in the proforma attached with this tender document within 45 days from the date of receipt of the notice of acceptance of tender. In the event of failure on the part of the successful Tenderer to sign the agreement within the above-stipulated period. The Bank reserves the right to forfeit the earnest money/ security deposit and cancel the contract.
- b. Until the Agreement is formally signed, the Work Order / Letter of Acceptance of Tender issued to the successful Tenderer and accepted by him shall be operative and binding on the Bank and the Contractor.

- 15.0 On acceptance of the tender, the name of the accredited representatives of the Tenderer who would be responsible for taking instructions from the Bank shall be mentioned by the Tenderer.

- 16.0 If so decided, the Bank reserves the right to appoint PMC (Project Management Consultant) or any other agency to get the quality of works checked, measurements recorded, including certification of bills etc.

- 17.0 The Bank reserves the right to reproduce partly or fully the items executed on site anywhere in the country premises and no copyright claims shall be made by any contractor of any description from the Bank.

- 18.0 The Bank has the right to delete items, reduce or increase the scope of work without the contractor claiming any compensation for the reduction in the scope of work.

19.0 Notices to local bodies:

The contractor shall comply with and give all notices required under any law , rule, regulations or bye laws of parliament , state legislature or local authority relating to works . the contractor shall before commencing the execution of work issue a certificate to the bank / architect / consultant that he has obtained all the permission registrations and give all the notices as are required to be obtained or give in under law .

- 20.0 I / We hereby declare that I / We have read and understood the above instructions for the guidance of the Tenderers.

Witness _____

Address

Date :

Signature of Tenderer

Address

Date:

LIST OF APPROVED MANUFACTURERS FOR DIFFERENT MATERIALS TO BE USED IN THIS PROJECT

Names of materials and finished approved by the Architect /Employer are listed below: However equivalent materials and finished of any other specialized firms may be used, In case it is established that the brands specified below are not available in the market are subject to the approval of the alternative brand by the Architect. **Original materials will be delivered on site, no other substitute will be allowed.**

ELECTRICAL MATERIAL

S. NO.	ITEM	DESCRIPTION
1.	Light Fixtures & Lamp	Philips / Wipro / Osram / Havells / Crompton g./halonix
2.	Ht Cable	Polycab/ Havells/HPL
3.	Modular Switches	ABB, Legrand, /MK/ ANCHOR/ ELLEYS/ ROMA
4.	Dlp Trunking	Legrand /Schneider
5.	Power Cable	CCI / SKYTONE/ UNIVERSAL/ LAPP/ TORRENT
6.	End Termination	RYCHEM/ MAHINDRA/ ELMEX
7.	Panel	CROMPTON/ L&T/ C&S
8.	Fan	CROMPTON/ HAVELLS/ BAJAJ/ USHA
9	Raceway & Alu. Trunking	TATA./ JINDAL/ ZENITH
10.	Casing & Caping	FINOLEX /CAP or Equivalent
11.	Weather Proof Socket Outlet With MCB	ABB/ MDS/ LEXIXC/ Neptune/ Elcon- Clipsil, Siemens, Schneider {Merin Gerin}
12.	Miniature Circuit Breaker	MDS/ LEXIS/ siemens/ HPL
13.	MCB distribution board in steel housing{ double door}	ABB / LEXIS/ siemens/ HPL
	DISTRIBUTION	
14.	MV Contractor/ Timer/ Relays/Starters	Legrand /Schneider{MG}/ ABB/ Siemens/ L&T
15.	Moulded Case Circuit Breakers	Legrand /Schneider{MG}/ ABB/ Siemens/ L&T
16.	SFU / FUSES	HPL /Schneider{MG}/ ABB/ Siemens/ L&T Siemens
17.	ACB	Schneider{MG}/ ABB / Siemens/ L&T
18.	Single Phase Preventer {Current Base}	L&T , Minilec
19.	Raising Mains & Tap Off {Power Coated}	Zeta, C&S, Siemens
20.	MV Switch Boards {Powder Coated}	Tricolite Electrical Industries, conlec Engineers Pvt. Ltd, Vidyut Control Pvt Ltd., Trinitron Milestone Switchgear, Unilec Ltd, Madhu E\ectrica\ Advance Electro Control Pvt Ltd.
	LOW TENSION SYSTEM	
21.	Light & Fan Wire	Polycab, Finolex, Hawells
22.	Telephone Wire	Delton, Skyline, Finolex, Rallison, Batra Henley
23.	Telephone Tag Blocks	Krone / Pouyet/ TVS
	Cable & Accessories	
24.	1100 volts grade cables	CCI, Universal, Fort Gloster, Polycab, RPG {Asian), Nicco
25.	Cable lugs	Dowells
26.	Cable compression glands	Peeco/ Comet
27.	Capacitor Bank ISI MARK	GE POWER / BHEL/ EPCOS/ L&T
28.	Lighting Arrestor	Altas / Alstom/ GE Power
29	Protection & Other Relay	ABB/ Siemens/ Schneider/ L&T/ Allen Bradley

	Internal Wiring Related Works	
30.	MCB/ RCCS/ Isolators {ISI} MARKED MCB DB	L&T Siemens/ Schneider/ Legrand
31	PVC CONDUIT	CAP/ BEC/ Seiko/ AKG
32	PVC Insulated Copper Wire ISI Marked	SKYLINE/ FINOLEX/ POLYCAB/ HAVELLS
33	TELEPHONE CABLE	SKYTONE/ DELTON/ NICCO/ POLYCAB/ FINOLEX
34	Switch, TV & Telephone Socket & Boxes {Modular Type}	CPL/ LEGRAND/ ABB/ ANCHOR
	MISCELLANEOUS ITEMS	
35	LIGHTING PROTECTION UNIT	Erico / Pheonix/ INDELEC
36	RELAYS	L&T/ ABB/ Siemens/ BCH
37	CONTRACTORS	I&T/ GE Power/ BCH/ Siemens/ ABB
38	CHANGEOVER SWITCH	C&S/ Havells/ L&T/ HPL
39	KWH,PF,FREQUENCY METER	BHEL/ AE/ Havells/ L&T/ ALSTOM
40	PUSH BUTTONS	L&T/ Siemens
41	TIMERS	L&T/ Legrand/ Schneider/Siemens/GE
42	TIMER SWITCH	L&T/ Legrand/ Schneider/Siemens/GE
	NETWORKING	
43	SWITCHES	Brocade/Cisco/ Digi-Link/ 3Com/ Nortel/ Foundry/ D-Link
44	PATCH PANEL, PATCH CORD & I/O	Digi-Link / TyCo(AMP) / Schneider/ D-Link
45	CABLE	Digi link/ Clipser/ National/ Polycab/ Lapp/ Finolex
46	RACKS	Comrack / HCL / Valrack / APW President
	MODULAR	
47	Extruded Aluminum Sections	Hindalco, Sant aluminum, Midi extrusions
48	Pre Laminted Particle Board	Action Tesa, Associate Décor, Asis, Century (interior grade -2
49	PVC Lipping	Rehau, Dolkin
50	Hinges/ Storage And Pedestal Locks/ Minifix Fittings / Sliding Channels Etc.	Ebco, hafele, Hettich or equivalent
51	8 mm Glass	Modi, Saint gobain, Asahi
52	Door Locks For Cashier Cabin	Godrej, Enox, Doorset, Ultra, Ebco
53	Hydraulic Door Closer	Yele, Enox, Everite, Ebco
54	Powder Coating	paramount, Narolac
55	Fabric For Panel	Response
56	Mdf	8mm / 10mm / 12mm / 18mm MDF

Date :

Place :

[To be signed by the Authorized
Representative of Tenderer holding
Power of Attorney]



INDIAN BANK, M.C.B., M.I.ROAD , JAIPUR

PART – II

FINANCIAL BID

SPECIFICATIONS
&
CONDITIONS OF CONTRACT

FOR THE

ELECTRICAL WORK

M.C.B. BRANCH , JAIPUR

ARCHITECT

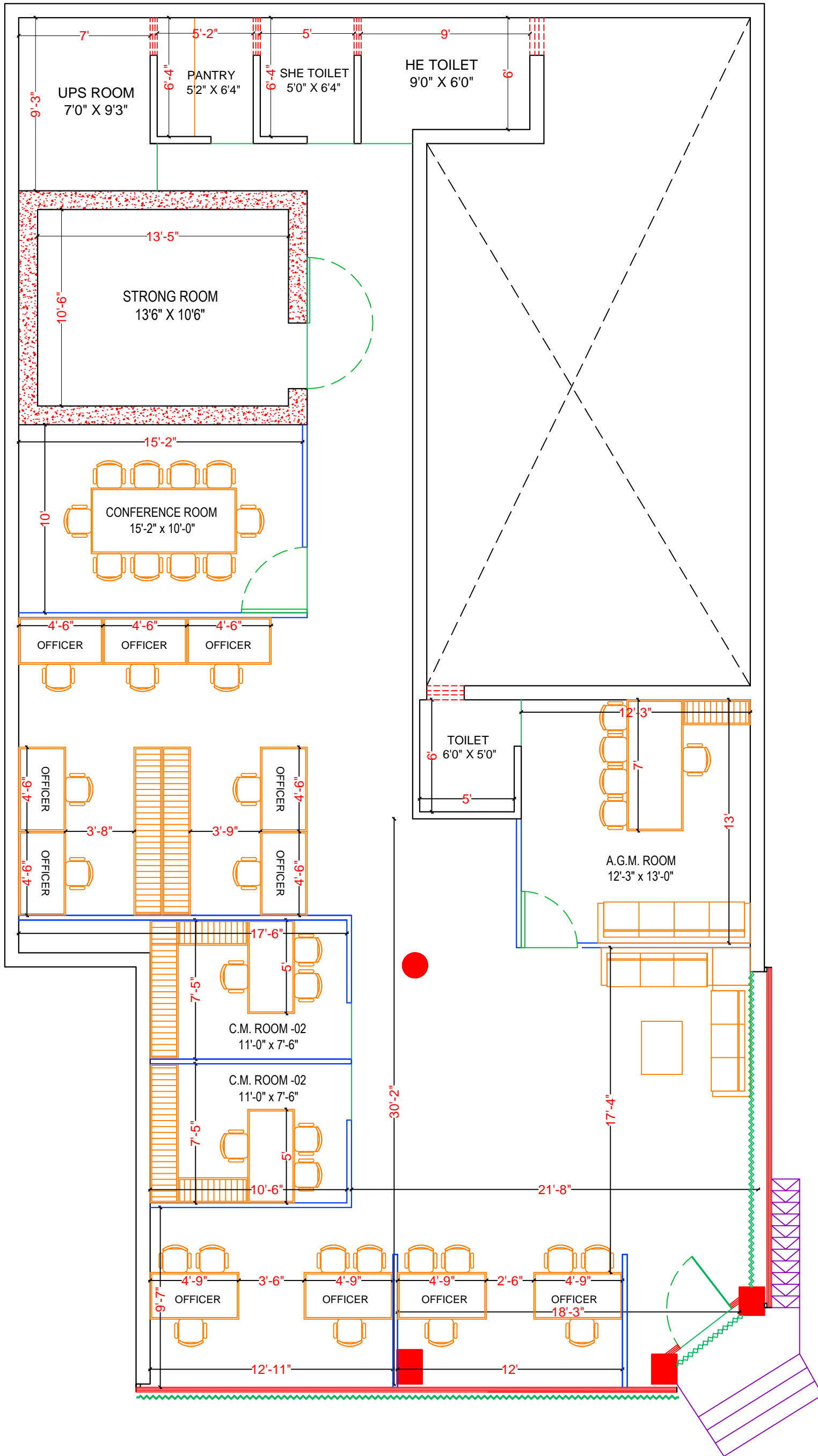
YASH GARG DESIGNER'S ,
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Mobile: + 91-9929595589
Email : ygdesigners@yahoo.in

BOQ OF PROPOSED ELECTRICAL WORK AT INDIAN BANK , MCB, M.I. ROAD, JAIPUR.

	General Notes:-				
a)	Rates to include all scaffolding, carriage of materials to and from the site in lead of beyond 5 kms, and working in a running branch premises.				
b)	Wire Routing provided through the walls / floor / roof etc., rates to include cutting of wall and refinishing the same finely complete.				
c)	Points include complete length of wiring, conduiting and accessories upto designated places as per the design and drawings.				
d)	Electrical contractor shall have to make the layout for cutting of lights etc. at site.				
e)	All newly done electrical wiring/ DB/points/ earthing etc. will be used as per instructions of architect/ engineer.				
1.	LIGHT & FAN POINTS:-				
	P & F light points, fan points, call bell points, sockets etc. with 2 X 1.5 sq. mm. PVC insulated 1100 V grade FRLS, copper conductor wires and 1.0 sq. mm copper earth wire in concealed / surface using ISI mark medium guage MS pipes of 25 mm dia 1.50mm thick conduits accessories such as bends, tees saddles, draw boxes, mounting boxes, innerplates, cover plates, ceiling rose etc. (where ever required) and plug etc. The circuit wiring starting from DB to point control box / switch box using 2 X 2.5 sq. mm and 1.5 sq. mm earthing PVC insulated wiring color code to be provided. Identification ferrules at both end to be provided. (Flexible conduit / elbow NOT allowed). The conduits to be fixed in ceiling with proper clamps / wall / floor and felling the chase with cement mortar and finish the same in original form / wooden partition / above false ceiling with proper clamps (Wherever required as per standard specifications)				
	SWITCH & SOCKET - NORTH WEST (PC Plus)/ MK (Wrap around)/Anchor (Wood)/Havells (Crabtree)/ABB(Classic Luminia)/legrand				
	Steel Conduit:- AKG/BEC/JINDAL/STEEL KRAFT				
	Notes:-				
	All wires shall be FRLS only (Polycab/RR/Finolex/KEI)				
	All material shall be approved make as mentioned in the tender.				
	Color codes must be maintained				
	No flexible conduit & elbows will be allowed.				
	Each circuit shall have independent earth wire.				
	Each point must be seperately earthed.				
	Circuit wiring is to be included in point wiring rates.				
	One S.B. can have max. 10-12 switch including 6 Amp. Socket				
	Boxes fixed in the wooden/ plywood partitions may be PVC				
(a)	One point controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	35		
(b)	Two/More points controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	20		
(c)	Wall fan/ Exhaust fan point controlled by one 6 Amp. Modular switch & switch board at SB level and 6 Amp. 3 pin socket at designed place.	Nos.	12		
(d)	6 Amp. Socket with switch & light indicator at switch board places.	Nos.	12		
(e)	Call bell point with anchor make Ding Dong Bell	Nos.	3		
(f)	One ceiling fan point controlled by one 6 Amp. Modular switch & switch board at SB level with 5 step electronic regulator, extension rods up to 1 meter	Nos.	4		
(g)	Emergency Light point (On UPS) (Including separate phase, neutral, earth) and to be in separate switch boards.	Nos.	6		
2.	POWER POINTS :-				
	Same as item no. 1, including providing & fixing 16 Amp. 6 pin sockets with 16 amps switch with wiring by using 2x2.5 sq. mm PVC insulated copper conductor wire with independent 1.5 sq. mm earth wire from D. B. to first 1st socket and 1st socket to 2nd socket with 2.5 sq. mm and 1.5 sq. mm earth wire including providing and Fixing complete in all respects.				
(a)	Power point (Direct) with 2x 4.0 sq mm copper conductor wires.	Nos.	11		
(b)	Power point (Loop) with 2x 2.5 sq mm copper conductor wires. (Only one or two loop points are allowed.)	Nos.	6		
3.	A. C. POINTS :- C&S/Havells/Legrand/HPL/ABB				
(a)	A.C. point wiring with 2 X 4.00 sq. mm insulated copper conductor wire (FRLS) & 1 X 2.5 sq. mm copper conductor wire for earthing from AC DB to AC point in 16 swg GI conduit AC point including supplying and fixing of module A.C. Box with 3 Pin metal clad pin top and 25/32 Amp. SP MCB "C" series. (Wiring must be from DB to stablizer to MCB near indoor unit to Indoor Unit.)	Nos.	6		
4.	DISTRIBUTION BOARDS :-				
	P & F sheet metal distribution boards of approved make double door type and making necessary connections etc complete with all MCBs of C series 10 KA. (LEGRAND/ SCHNEIDER/ SIEMENS/C&S/HPL)				
	All MCB'S must be 'C' series, 10 KA				
(a)	T P N 4 WAY DB :- (For Lighting) Having Incomer : 40 Amp. 4-P MCB OUT GOING : 10 Amp. SP MCB - 12 NOS	Nos.	1		
(b)	T P N 4 WAY DB :- (For Power/ AC) Having Incomer : 63 Amp. 4-P MCB OUT GOING : 16 Amp. SP MCB - 12 NOS	Nos.	1		
(c)	S P N 12 WAY DB :- SP MCB 6 Amp = 10 Nos. DP MCB 63 Amp = 1 NOS.	Nos.	1		
(d)	S P N 4 WAY DB :- with two number 63/40 A DP MCB with enclousure	Nos.	2		
5.	LIGHT & FAN FIXTURES :-				

	P & F light fixture & accessories as per the following details and making connections, assembling, fixing, testing & installation with 3 years warranty. Following Fixtures including all accessories & extension chords as maybe necessary complete. All CFL / Flurescent fixtures (except down lighters) to be hung from the RCC ceiling by sitable chain / rods) all to fixture rates to include 3 years warranty. Including all removing, shifting, repairing, fixing, welding, cutting, instalation, testing, commissioning work of existing or proposed items for the folowing work. Including making good, proper finish of walls, floor and roof with masonry, R.C.C., plaster, pop, puty, primer, paint, etc. complete in all respects. Including color temp. for light fixtures must be 6500k. Dealer authorisation certificate with invoice detail required. Technical specification minimum 100 lumens per watt, P<.90, THD<20%				
(a)	Philips RC 380B LED Full glow 24" X 24" (6500K)/BAJAJ/philips	Nos.	35		
(b)	Philips Green LEDi 15 Watt DN 194 B (6500K)/BAJAJ/philips/HAVELLS	Nos.	20		
(c)	Philips LED Tube lights 18 W/ 22 W (6500K) /BAJAJ/philips/HAVELLS	Nos.	15		
(d)	METAL BODY Wall fan 450 mm - Crompton High flow of capacitor start, three speed wall mounting/cabin fan of following sweep with the help of anchor bolts including making connection testing etc. as required. Each wall fan should be connected through independent switch and socket of 6Amp.(Crompton/ Almonard/Havells)	Nos.	8		
(e)	Exhaust fan 300 mm - Crompton/ Almonard of Heavy duty capacitor start 1400 RPM single phase ISI marked Exhaust fan, IS:2312 marked including making opening if required, making connections testing etc. as required.(Crompton/ Almonard/ Usha/ Havells)	Nos.	3		
(f)	S& F of Rope Light with driver (Philips/ Bajaj/ HPL/ Osram/ Havells)	Rmts.	100		
(g)	P&F of ceiling Fan Metal body 4800 mm Sweep (Crompton/ USHA/ Bajaj)	Nos.	2		
(h)	Decorative spot led light of 1watt to 5 watt led (6500K)/BAJAJ/philips/HAVELLS	Nos.	12		
6.	CABLES WIRES :-				
	P & L heavy duty armored cable on saddles wherever exposed and with aluminium lugs, cable termination with gland, aluminium lugs properly crimped, etc. complete. Including reusing of the existing cables wherever required as per direction of Bank Engineer/ Architect, vendor is bound to execute the items. All existing and proposed cables to be lay out in existing cable tray. Complete in all respects as per direction of Bank/ Architect.				
	XLPE Cable (Polycab/ Finolex/ RR/KEI)				
a)	3.50 core X 50 sq. mm Al. armoured cable with 2 X 8 SWG G.I. wire in PVC conduit for earthing including cables termination with gland, Al. lugs properly crimped of required size.	Rmts.	50		
b)	4.00 core X 16 sq. mm Al. armoured cable with 2 X 8 SWG G.I. wire in PVC conduit for earthing including cables termination with gland, Al. lugs properly crimped of required size. (FOR LIGHT, CASSETTE A.C. & POWER)	Rmts.	100		
c)	3.5 core X 10 sq. mm Al. armoured cable with 2 X 8 SWG G.I. wire in PVC conduit for earthing including cables termination with gland, Al. lugs properly crimped of required size.	Rmts.	100		
7.	U.P.S. POINTS & CIRCUITS :-				
	P & F ups points in 2 mm thick PVC conduit with 2 X 2.5 sq. mm insulated copper wire along with 1 X 1.5 sq. mm PVC insulated wire for earthing including bends, nipples, junction, M.S. switch boxes each to have 3 nos. 6 A 5 pin modular socket 1 X 6 A indicator controlled by 1 X 16 A modular type switch compl fine finish incl. making necessary connection & start of equipment as per details. Complete in all respects as per direction of Engineer/ Architect. Make as specified above)				
(a)	DIRECT POINT	Nos.	20		
(b)	LOOP POINT (Only one point to be loop.)	Nos.	16		
8.	EARTHING :- (Ashlok, JK, Ash, REIL)				
(a)	Supply and installation of pipe-in-pipe technology Copper Earth Electrode earthing system model-39 with outer diameter of 80 mm length 2000 mm embedded in the soil with masonry inspection pit along with cover etc. complete in all respect. The work should be got carried out through bank's authorized Company only. Each pit installation test certificate to be submitted after measurement of earth resistances as per the provision in IS 3043 (ups out DB earthing). The inspection pit should be visible and at a proper place.	Nos.	2		
(b)	P & L 2 X 8 SWg copper earth wire at designated place in PVC conduit (Pit to Panel/ Pit to UPS)	Mtrs.	60		
9.	MAIN PANEL :-				
	Designing manufacturing, installing, testing and commissioning of cubical type MAIN PANEL CPRI approved made from 16 SWG CRCA sheet steel, "type base M.S. channel for grouting on floor complete with MCCB, MCBs, meters, C.T., etc. complete in all respect, insulated bus bar with near shrinkable PVC sleeve in suitable bus bar chamber, wiring, name plates, danger plates, earth bus etc. & comprising of compartments with hinged doors and rubber gasket, bus bar chamber with bolted door and rubber gasket etc. the panel being of dust & vermin proof construction and to be painted with primer and smoke gray paint (minimum two coats) to look attractive. The panel should be comprising with the following : (Degree of Protection IP-54)	Nos.	1		
	INCOMER:-				
	ALL MCCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY (C- CLASS) (Legrand/ HPL/ C&S/siemens/ABB/ Schneider)				
(i)	250 Amp 4 - P, MCCB (3 Phase) 1 Nos.				
(ii)	150 Amp 4 - P, ON LOAD change over switch				
(iii)	300 Amp. Capacity aluminum bus bar for ATM & system room heat shrinkable proper insulation with heat shrinkable proper insulation with color coded. Analog ammeter and voltmeter with selector switches three number indicating lamp R-Y-B Phase indicators with 2 amp. back up HRC fuses & Energy Meter with KWH and PF indication (Back up Fuse protection)				
	OUT GOING :-				
	ALL MCCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY				
	DOUBLE BUS BAR PANEL				

	DG SUPPLY ONLY FOR LIGHT, POWER, UPS, ATM ONLY				
	A.C. SHOULD NOT OPERATE ON DG SUPPLY				
	All MCCB must have 25 KA S.C. current capacity				
	All outgoing feeder should have separate door and compartment.				
	Each outgoing feeder shall be with indicator.				
(i)	100 Amp 4 - P, MCCB (3 Phase) 4 Nos. (A.C.)				
(ii)	63 Amp 4 - P, MCCB (3 Phase) 3 Nos.				
	(Power, light. A.T.M., UPS)				
(iii)	16 Amp DP, MCB (1 on each Phase) 2 Nos.				
(iv)	63 Amp 4 - P, MCB (3 Phase) 4 Nos.				
10	TELEPHONE POINT :-				
a)	S,F,T,I,C, Etc. of telephone tag box (krone) suitable for 100 pair housed in GI box with cover of suitable size including termination.	Nos.	1		
b)	S, L, T, I, C Telephone point with cat 6 cable telephone cable from main supply to various counters, tables, walls, partitions, etc.with colour coding identification on both ends. Including 0.6 mm dia annealed with tinned screen protected CU conductor PCC sheathed 2 pair telephone cable in PVC conduit 2.00 mm thk. conduit as required. Including S & F modular type plate with telephone outlet box and RJ-11 sockets with housed in zinc passivated box/ PVC box with suitable connector strip in reseed wall/ partition as required. S & F modular type telephone outlet 1 pair coaded outlet.	Nos.	12		
11	NETWORKING POINT :-				
	Computer networking points with 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification.				
(a)	Computer networking points with 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with necessary tools for punching, stripping, crimping and testing required. Cost including Faceplate for Flush Mount Information Outlets Single Aperture with screw hole covers & Icon Tree Size 86mmX86mm including pvc/ ms box. (Cat 6 cable: Molex/ Avaya/Penduit/AMP) (Face plate i/o : Molex/ Avaya/Penduit/AMP)	Nos.	30		
(b)	Supply , Installation and Testing of 4 pair , 100 Ohm, 24 AWG , E Cat 5 UTP, flexible , Double ended Patch Cords along with 2 No of RJ 45 connectors with strain relief boots as per TIA /EIA 568 B.2 Specifications including making connections to Inform outlets of lengths.				
	1.0 Meter as required .Molex/ Avaya/Penduit/AMP)	Nos.	30		
	2.0 Meter as required. Molex/ Avaya/Penduit/AMP)	Nos.	10		
(c)	P,F,T,I,C, Etc. of Data/ server rack of 24U Rack with all required PATCH PANEL /accessories complete in all respect.	Nos.	1		
(d)	24 port patch panel for rack with all accessories	Nos.	1		
	Total Electrical work excluding GST (B)				



FINAL PLAN

**PROPOSED PLAN FOR:-
INDIAN BANK,
MCB BRANCH, M.I. ROAD,
JAIPUR.**

YASH GARG DESIGNER'S
ARCHITECTS
PLANNERS
INTERIOR DESIGNERS
LANDSCAPERS

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