

CANARA BANK
INVITATION TO TENDER

ONLY FOR EMPANEL CONTRACTORS FOR COMPOSITE

WORKS

(FURNISHING & ELECTRICAL WORK BOTH)

(CATEGORY A, B ONLY)

OF

CIRCLE OFFICE KOLKATA

TENDER FROM ANY OTHER CONTRACTOR WILL BE SUMMARILY REJECTED

INSTRUCTION TO BIDERS AND

GENERAL CONDITIONS OF CONTRACT

FOR

COMPOSITE WORKS

AT

CANARA BANK – RAH & MSME HOWRAH BRANCH

TENDER NO.: 118/23-24/SP

NAME OF THE CONTRACTOR:

.....

ADDRESS:

.....

SEAL & SIGNATURE OF TENDERER

NOTICE INVITING THE TENDER

To,

M/s

Sealed tenders on item rate basis are invited from panel Contractors for Composite Works **(Furnishing& Electrical Works) at RAH & MSME HOWRAH BRANCH.**

Tender Documents may be obtained at free of cost from the Premises & Estate Section, Circle Office Canara Bank, Kolkata during working hours from **16-01-2024** till **24-01-2024**.

Name of the Work	Interior Furnishing & Electrical work at RAH & MSME Howrah
Location of Work	Canara Bank RAH & MSME Branch
Earnest Money deposit	₹ 30,000/- (Rupees Thirty Thousand Only) by way of Demand Draft of a Scheduled Bank drawn in favour of Canara Bank , payable at Kolkata.
Issue of tender document	16.01.2024
Last date of submission of Tender	24.01.2024 before 4.00 pm
Opening of bids	25.01.2024 at 11.30 am
Period of completion	30 days from the date of work order.
Tender documents (soft copy)	Can be downloaded free of cost from Canara Bank's web site from 16.01.2024 till last date of submission.
Last date and time for submission of the tender	Sealed envelopes to be submitted on or before 24.01.2024 by 4.00 PM to the office of: The Assistant General Manager, Premises & Estate Section, Circle Office, Kolkata 5 th floor, Bell's House, 21, Camac Street, Kolkata – 700016

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

**Asst. General Manager
Premises & Estate Section
Canara Bank, Circle Office
Kolkata**

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Date: 16-01-2024

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GENERAL RULES & INSTRUCTIONS TO TENDERERS

Name of the work: Composite Work (Furnishing & Electrical Works) to be carried out at RAH & MSME HOWRAH Branch.

The rates quoted shall also be inclusive of materials, labour charges, work contract tax, surcharge and all the taxes except GST.

GST WILL BE PAID EXTRA.

The rates quoted by the tenderer shall hold good till the completion of the work from the date of issue of the "WORK ORDER" and no enhancement in the rates are allowed during the period of execution of the work under any circumstances. The rates quoted shall also cover for the work to be executed before and after office hours and also on holidays.

The time stipulated for the completion of the work is 30 days from the date of issue of the WORK ORDER and the work is to be carried out as per the convenience of occupants without disturbing other occupants of the building.

TENDERS:

The entire set of tender paper issued to the tenderer should be submitted fully priced and also signed on the last page together with initials on every page. Initials / signatures will indicate the acceptance of tender papers by the tenderers.

The schedule of quantities shall be filled in as follows:

- The "rate" column to be legibly filled in ink in both English figures and words.
- 'Amount' column to be filled in for each item and the amount for each sub-head as detailed in the "schedule of quantities".
- All corrections to be initialed.
- The "Rate" column for all the items shall be filled up.
- The "Amount" column for the items for which the quantities are not mentioned shall not be filled up.
- In case of any errors / omissions in the quoted rates, the rates mentioned in the tender in words shall be taken as correct rates.

No modifications, over-writings or corrections can be made in the tender papers by the tenderer, but may at his option offer his comment or modifications in a separate sheet of paper attached to the original tender papers.

The Bank reserves the right to reject the lowest or any tender or all of the tenders for each section or to split up and distribute any item of work to any specialist firm or firms, without assigning any reason.

The tenderers should note that tender is strictly on the item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self – supporting. If called upon by the bank, detailed analysis of any or all the rates shall be submitted. The architects/bank shall not be bound to accept the contractor's analysis.

The Quantity mentioned in the BOQ is approximate measurements. The works will be paid for as "measured work" on the basis of actual work done and not as "lump sum" contract.

All the items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly, related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump-sum charges in the tender in respect of an item of works, the payment of such items of work will be made for the actual work done on the basis of lump-sum charges as assessed to be payable by the architects/bank.

The bank has power to add or delete any work or described in specifications or included in schedule of quantities and intimates the same in writing but no addition, omissions or variation shall be made by the

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contractor without authorization from the bank. No variation shall vitiate the contract. The bank reserves the right to delete any of the items in the tender without assigning any reasons whatsoever.

The tenderer shall note that his tender shall remain open for consideration for a period of 90 days from the date of opening of tender.

AGREEMENT

The successful contractor is required to sign agreement as may be drawn up to suit the local conditions and shall pay for all the stamps and legal expenses incidental thereto. The original will be kept with the Bank and duplicate with contractor.

EARNEST MONEY AND SECURITY DEPOSIT:

There is NO Earnest Money Required to deposit/ submit along with the bids. Retention Money shall be deducted from the final bill at 3% of the gross value of bill. The Retention amount will be refunded to the contractor 15 days after the end of defects liability period provided he has satisfactorily carried out all the work and attended to the entire defect in accordance with the condition of the contract. No interest is allowed on Retention Money.

A part of the Security Deposit if and as decided by the constituent bank can also be furnished in the form of a Bank Guarantee on the bank other than that of the constituent bank.

CONTRACTOR TO PROVIDE EVERYTHING NECESSARY:

The contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawings, schedule of the quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from and if the contractor finds any discrepancies therein he shall immediately and in writing, refer the same to the Architects/Bank whose decision shall be final and binding.

The rates quoted against individual items will be inclusive of everything necessary to complete the said items of works within the contemplation of the contract, and beyond the unit price. No extra payments will be allowed for incidental or contingent labour and/or materials inclusive of all taxes and duties whatsoever except for specific items, if any, stipulated in tender documents

The contractor shall supply, fix and maintain at his own cost, for the execution of any work, all tools, tackles, machineries and equipments and all necessary scaffolding, staging and lighting by night as well as by day required not only for proper execution and protection of the said work.

The contractor shall take down and remove any or all such scaffoldings as occasion shall be required or when ordered to do so, and shall fully reinstate and make good all matters and things disturbed during the execution of work to the satisfaction of architect/bank.

The contractor shall all times give access to workers employed by the bank or any men employed at site and to provide such parties with proper sufficient and if required, special scaffolding and ladder and provide them lighting as may be required to enable such workmen to inspect the work, lay or fix pipes, Civil & furnishing wiring, special fittings etc. The quoted rates of tenderers shall accordingly include all these above-mentioned contingent works.

LIQUIDATED DAMAGES:

Should the work be not completed to the satisfaction of bank within the stipulated period, the contractor shall be bound pay the bank a sum calculated as given below by way of Liquidated Damages after the expiry of completion date

1.00% of the estimated amount shown in the tender per week subject to a ceiling of 10% of the accepted contract sum.

TIME PERIOD FOR COMPLETION: 30 days from the date of award of work.
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FINAL PAYMENTS

The final bill shall be accompanied by a certificate of completion from the Occupant/Bank Officials. Payments of the final bill shall be made after deduction of retention money as specified in clause 9 of these

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conditions which sums shall be refunded after the completion of the defects liability period after receiving the banks certificate that the contractor has rectified all defects to the satisfaction of the banks. The acceptance of payments of the final bill by the contractor would indicate that he would have no further claims in respect of the work executed.

ESCALATION:

The rates quoted shall be firm throughout the tenure of the contract [including extension of time, if any granted] and will not be subject to any fluctuation due to increase in cost of materials, labour, sales tax, octroi etc, unless specifically provided in these documents.

CONTRACTORS EMPLOYEES:

The contractor shall employ technically qualify and competent supervisors for the work who shall be available [by turn] throughout the working hours to receive and comply with the instructions of the bank officials. The contractor shall engage at least one experienced engineer, as site in-charge for the execution of the work the contractor shall employ in connection with the work persons having appropriate skill or ability to perform their job efficiently. The contractor shall employ local labours on the work as far as possible. No laborers below age of 16 and who is not an Indian national shall be employed on the work. Any laborers supplied by the contractor to be engaged on the work on day-work basis either wholly or partly under the direct order or control of bank or its representative shall be deemed to a person employed by the contractor.

The contractor shall comply with provision of all labour legislation including the requirements of

- a. Payments of minimum wages act
- b. Employers liabilities
- c. Workmen's compensation act
- d. Contract labour (regulation and abolition) act, 1970 and central rules 1971
- e. Apprentices act 1961
- f. Any other act or enactment relating thereto and rules framed there under from time to time

The contractor shall keep the bank saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the bank in connection with any claim that may be made by any workmen.

The contractor shall comply at his own cost with the order of requirement of any health officer of state or any local authority or of the bank regarding the maintenance of proper environmental sanitary condition of the area.

The contractor shall arrange to provide first aid treatment to the laborers engaged on the works. He shall within 24 hrs of occurrence of any accident at or about the site or in connection with execution of work, report such accidents to the bank and also the competent authority where such report is required by law.

The contractor shall obtain all Risk Insurance Policy at their cost within 7 days of commencement of work, for the laborers/workmen working at the site including the work till the work is completed. The policy shall be in the joint name of the Bank and contractor and Bank's name shall appear First.

PAYMENTS:

The contractor, in the form prescribed by the bank shall prepare all the bills and submit the same to Bank with measurement of work. Normally one interim bill shall be prepared each month. Bank may release payment within 15 days of receipt of bills/after check measurement, after deduction of retention money, Income Tax etc. The contractor shall have a competent engineer at site for the supervision of the work.

The contractor shall have to make his own arrangements for watch and ward of the work/building, till the work is handed over to the bank.

The decision of the bank will be final and binding with regard to the quality of work is concerned.

The contractor is responsible for procuring the required materials for the work and stores the same at site at his cost and risk.

The amount stated in the interim certificate shall be the 75% of total value of the work executed up to date of the bill, less the amount to be retained by the bank as retention money. If the bank has supplied any materials or goods to the contractors, the cost of such materials will be progressively deducted from the

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amount due to the contractor on accordance with the quantities consumed in the work. All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for works actually done and completed and shall not preclude the requiring of bad, unsound or imperfect or unskilled work to be removed and taken away and reconstructed or re-erected or be considered as an admission of the due performance of the contract or any part there of if any respect or accruing of any claim nor shall it conclude, determine of effect in any way the power if the bank under conditions or any of them add to the final settlement and adjustment of the accounts or otherwise or in any other way or affect the contract.

The contractor shall submit the final bill within one month from the date of completion of the work. A certificate of completion from the bank shall accompany the final bill. The payment of the final bill shall be made after deduction of retention money as specified elsewhere in these documents.

ARBITRATION:

All disputes or differences of any kind whatsoever which shall at any time arise between the parties here to touching or concerning the works or the execution or maintenance thereof of this contract or the rights touching or concerning the works or the execution of maintenance thereof of this contractor or the construction remaining operation or effect thereof or to the rights or liabilities of the parties are arising out of or in relation thereto whether during or after determination foreclosure or branch of the contract[other than those in respect of which the decision of any person is by the contract expressed to be final and binding] shall after written notice by either party to the contract to the other of them and to the employer hereinafter mention to deal referred for adjudication to a sour arbitrator to be appointed as hereinafter provided.

For the purpose of appointing the sole arbitrator referred to above, the employer will send within 30 days of receipt of the notice, to the contractor a panel of 3 names of persons who shall be presently unconnected with the organization for which the work is executed.

The contractor shall on receipt of the names as aforesaid, select, anyone of the person's name to be appointed as a sole arbitrator and communicate his name to the employer within 30 days of the receipt of the names. The employer shall thereupon without any delay appoint the person as the sole arbitrator. If the contractor fails to communicate such selection as provided above within the period specified, the competent authority shall make the selection and appoint the selected person as the sole arbitrator.

If the employer fails to send to the contractor the panel of 3 names as a foresaid within the period specified, the contractor shall send to the employer a panel of 3 names of persons who shall be unconnected with either party. The employer shall on receipt of the name as a foresaid select anyone of the person's names and appoint him sole arbitrator. If the employer fails to select the person and appoint him as a sole arbitrator within 30 days of the receipt of the panel and inform the contractor accordingly, the contractor shall be entitled to appoint one of the persons from the panel as the sole arbitrator and communicate his name to the employer.

If the arbitrator as appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed as aforesaid.

The work under contract shall, however, continue during arbitration proceedings and payment due or payable to the contractor shall be withheld on account of such proceedings.

The arbitrator shall be deemed to have entered on the reference the data he issued notice to both the parties fixing the date of the first hearing.

The arbitrator may from time to time, with the consent of parties, enlarge the time or making and publishing the award.

The arbitrator shall give a separate award of each disputes or difference referred to him. The arbitrator shall decide each dispute in accordance with the terms of the contract and give a reasonable award. The venue of arbitration shall be such place as may be fixed by the arbitrator in his sole discretion.

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The fee, if any, of the arbitrator shall, if required to be paid before the award is made and published, be half and half by each of the parties. The cost of the reference and of the award including the fees, if any, of the arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle the amount of costs to be so paid.

The award of the arbitrator shall be final and binding on both the parties.

Subject to aforesaid the provision of the arbitration act 1940 or any statutory modification or re-enactment thereof and the rules made there under, and for the time being in force, shall apply to the arbitration proceeding under this clause.

The employer and the contractor hereby also agree that arbitration under the clause shall be a condition precedent to action under the contract with regard to the matters hereby expressly agreed to be so referred to arbitration.

Date:

**Signature of the Contractor
With seal and address**

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ESTIMATE & BOQ FOR INTERIOR FURNISHING WORK FOR MSME CANARA BANK HOWRAH					
SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
A	PARTITION WORK.				
1.0	Full Height Partition (Glazed, Semi Glazed,Solid): Providing and fixing wooden double skinned partition, partly glazed and partly panelled,or fully solid as per Design drawing and specifications on cash cabins, managers cabins, general counters, Work stations and Glazed partitions on counters top and any other areas as shown in the Layout Plan.The wooden frame shall be 2"x1" sal wood well seasoned sections forming 2'-0" squares covered with 6mm thick MR Grade anti termite ply wood of approved make and finished with 1mm thick Laminates of approved shades and the panel shall be as per Design and direction. For Glazed portion 10mm thick plain glass with boarder and decorative design itching as per design and direction shall be provided including decorative /plain beading including provision of 30mm thick solid flush door wherever necessary with superior quality brass anodized hinges, handles, mortise lock of Godrej make etc.The glass partition above general /ledger counter shall be of 8mm thick plain glass with boarder and decorative design itching as per design and direction with 2"x1" sal wood support at each counter unit and with decorative moulded heads including necessary wooden beading, painting and polishing. Matching to existing partition & as directed by the architect.	Sft.	630.00		
2.0	Full ht.12mm toughned Glass Partition:- Providing and fixing 12mm toughned glass of approved make (brand marking not to be visible on exposed surface) in fixed glazing. The glass to be fixed with black powder coated (minimum 50 micron) 2mm thick aluminium concealed channel of size 20x30x2mm at floor level and 20x50x2mm size at top level including suitable EPDM gasket and 12x15x3mm brushed finish stainless steel Angle of 304 grade at floor level fixed with approved adhesive to cover silicon joint as per approved drawings including sealing of joints on all four edges with non-staining clear silicone sealant, masking tap etc. all complete with required materials of approved make, for all floor heights as per approved drawings and direction of Engineer-In-Charge. With 12mm frame less toughned clear glass Glass Partition	Sft.	300.00		

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<p>3.0</p>	<p>LOW HT. Partition (Glazed,Semi Glazed,Solid):Providing and fixing in position partly glazed 4'-6" HT. Partition work as per drawing ,in frame work at 2'x2' grind (horizontally and vertically) comprising of 2"x1 ½" hevy gazed almunium section and/or as per frame work shown in the drawings with 6 mm plywood on both sides finished with 1 mm thick laminates of approved shade and colour as shown in drawings. Item to include 12 mm thick glass with etching and frosting as per design and fitted with SS finished patch panel and 2"x2" T.W. member for door sides and glass sides and T.W. door frame to take 12 mm thick glass with etching and frosting.All exposed T.W. surfaces to be finished in melamine polish of matching laminate colour as directed including all necessary Stainless Steel finish fittings/hardware and wood preservative paint etc. as per list of approved material and as approved by the Project Consultant/Bank complete in all respects.Providing and fixing twin,- stile door made of 50, mm thick well seasoned teak wood of special design for top and bottom stiles, fixed, portion with 8mm thick clear float glass and open able portion with 12mm thick etching glass with bank logo frosted design with necessary sand blasting/granular blasting to be provided and edge should be machine beveled polished glass, necessary hardware fixtures of approved make and design, viz. double action floor spring, brass flush bolt. Stain finish stainless steel decorative handle (approx. 300mm long) on both faces, complete as per drawing and instructions. Wooden surfaces shall, be polished in approved shade N.C. lacquer in mat satin finish. The work to be completed as per design and specification of all complete</p>	<p>Sft.</p>	<p>165.00</p>		
<p>4.0</p>	<p>Doors :Semi glazed/solid: Providing & fabricating fixing door shutter with 28mm x 75mm height & 28mm x 75mm, 28 mmx 60mm, 28mm x80mm rails respectively by using Giringa/ Kasi wood of well seasoned with necessary wood joining, planning, polishing etc., as per drawing matching the aligned partition . The shutter will have part glazed 8mm thk float glass side beveled , high polished with body itching of st globain & part solid one covered with 6mm BWP ply, both sides covered with 1 mm tk laminate of approved shade with necessary WB wood beading etc mat polished with melamine polish of asian / ici , complete to match the aligned partition elevations designs, the rates are inclusive of cost of necessary hinges, handles,cylynderical locks, aldrops etc., all labour, materials, taxes, leads & lift to the place of work executed to the satisfaction of the Architect.</p>	<p>SFT</p>	<p>63.00</p>		
<p>5.0</p>	<p>Main Entrance Door</p>				

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	Providing and fixing twin,- stile door made of 50, mm thick well seasoned teak wood of special design for top and bottom stiles, fixed, portion with 8mm thick clear float glass and open able portion with 12mm thick etching glass with bank logo frosted design with necessary sand blasting/granular blasting to be provided and edge should be machine beveled polished glass, necessary hardware fixtures of approved make and design, viz. double action floor spring, brass flush bolt. Stain finish stainless steel decorative handle (approx. 300mm long) on both faces, complete as per drawing and instructions. Wooden surfaces shall, be polished in approved shade N.C. lacquer in mat satin finish. The work to be completed as per design and specification of all complete				
	a) Open able portion	Sft	41.50		
	a) Fixed portion	Sft	10.00		
C	FURNITURE WORK.				
6.0	Chief Manager's table				
	Providing modular executive type manager table top of size 6'-0"x3'-0"x2'-6", a side credenza of size 3'-6"x1'-6"x2'-6" and a front drawer unit consisting 3 Nos of drawer units slides on telescopic slider made up of 19mm th.ply with locking arrangement. The exposed edge surfaces are to be finished with 1.0mm th.laminates as per design of approved shadea and the inner surface is finished with 0.7 mm th inner laminate . The side credenza will have two drawer unit slides on telescopic slider and two cupboard unit. It also include 8mm clear glass table top with edge polished .The work should be completed including all labour and material.	Nos	1.00		
7.0	Officer's table				
	Providing and fixing officer table along with side racks made of 19mm MR Grade anti termite ply wood board as per design. The table top shall be as per under mentioned dimensions and the side racks shall be of 1'3"x2'9"top having all necessary arrangements for keeping the computer,,accessories,like CPU,printer, ,key, board, monitors etc.Part of the rack shall be provided with pull out drawer with locking arrangement .All exposed surfaces shall be finished with wooden round beading and finished with wooden round beading and finished with melamine polish etc.complete. 1)Workstation top size2'6"x5'6"	Nos	11.00		
8.0	Banquet pattern Meeting Table: Providing 4 nos of 5' dia 6 seater banquet pattern Meeting table as per the requirement.	nos	1		
9.0	Storage Cabinete.				

	Providing and fixing of low height storage cabinete having 450mm. depth of made out of 19mm th. block board .The exposed surface is to finished with 1.0mm th.laminates as per design of approved shadea and the inner surface is finished with 0.7 mm th inner laminate. surfaces are to be finished with as per design The work should be completed according to drawing and design including all labour and materials.	Sft	80.00		
D	OTHER WORK				
10.0	Panelling				
	Encasing to columns , banking hall entrance where ever shown in drawings by fixing 6mm ply to the frames made out of 40mm x20mm. 2 nd class treated hard wood like Kasi/Giringa by means of nailing or screwing over with 1 mm tk laminate fixed by means of adhesive having grooves & necessary white beach beading as directed by the Architect finished with melamine finished WB wood moulding & cornice lining . At places niches shall be created to accommodate 12 mm tk soft board & fabric of approved quality fixed with necessary frame work of wood . Nitches shall be leaped with WB wood which is also melamine polished. The O H planter box as specified in other items at certain height projected from the column / walls / partitions etc fixed as per Architect's drawing/ direction. The cost includes all the materials, labour, transportation taxes etc., complete for the work.	Sft.	510.00		
11.0	Writing platform for customers & application form set	Rft	5.00		
	Providing , fitting , fixing writing plat form at a height of 4' above floor level fixed to the wall made out of 19 mm MR Grade anti termite ply wood block board with lamination 1 mm tk on top & hard wood beading ducco painted . At least 10 nos vertical slip in chalan shelves attached to wall over writing platform made out of min 4 mm tk acrylic sheets with 6 mm tk ply back up. Each chalan shelf will be of size 6" height , 6" wide .The entire unit will be complete in all respect including materials ,labor etc to the satisfaction of consultant .				
12.0	Notice Board				
	Providing soft board covered with approved fabric with wooden frame work and decorative beading for display drawings and documents,with locking arrangementof the sliding shutter made up of 8mm th. flot glass. The work should be done including all labour and material.	Sft	1.00		
13.0	Wall Paint & Putty work.				
	Wall paint with POP & putty.Sand papering,cleaning the surface,applying primer with lambi putty/pop punning to full surface in 3 layers,thereafter applying 3 coats of paint of approved shade & color on walls.roller to be applied on all surface etc complete.jobs to include proper covering of furnitures so as to avoid damage.	Sft.	3,000.00		
14.0	False ceiling (Gypsum board.)				

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	False Ceiling (Gypsum Board) Providing & fixing in position false ceiling in Gypboard 12 mm thick for horizontals & Verticals fixed over G.I. frame work as specified by India Gupsm Co. Ltd. including trap doors for A.C. Unit in 18 mm thick MR Grade anti termite Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects.(Note :- Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves, moldings etc.)	Sft.	470.00		
15.0	False ceiling (Armstrong)				
	Providing & fixing in position false ceiling in Armstrong 600 x 600 mm x 15/16 mm Dune Supreme RH 99 Prima tile with Tegular edge framework as specified by Armstrong Co. with suspenders wherever required. Making necessary framework for A. C. ducting, if any, and necessary cutouts for diffusers and light fittings, taping and finishing to proper line & level, including making grooves and trap doors for A. C. unit in 18 mm thick MR. Grade antitermite Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects.(Note :- Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves, mouldings etc.)	Sft	608.00		
16.0	Wooden celing: specification same as above instead of gypsum 12 mm thk ply over 4mm thk veener will be provided. jobs include 3coats of melamine polish & cutting of lights.	sft	60.00		
17.0	Electrical panel board cover				
	Providing and fixing of electrical panel board cover made up of 19mm ply with two shutter at the front having T.W luvvers as per drawing and design, it allso have furnished with locking arrangement. The exposed surface is finished with 1mm. Th. Laminates and inner surface is finished with two cote of plastic emulsion paint over one coate of primer . The work should be completed including all hardware, material and labour.	Sft	28.00		
18.0	Roller blinds				
	Providing and Supplying Roller blinds - 100mm wide of MAC/VISTA make or as approved - washable woven fabric finish to give maximum resistance to surface abrasion and fading. Colour and texture to be finalised by architects.	Sft	305.00		
19.0	Shutter Boxing:				
	Providing and fixing in position almunium composit panel boxing with PVDF coating & LDPE core laminated Eurobond/Altobond/Alukbond Exterior grade 4mm thick including fabrication for the same with almunium sections, required hard ware, silicon sealent (Dow coming 789), masking tape, necessary scaffolding etc. It also include the trap door shutter with magnetic catch. The work should be completed including all labour and material.	Sft	60.00		

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20.0	Providing and fixing Counter number plate with hanging arrangement from ceiling with required size and coloured PVC Sheet.	unit	11.00		
21.0	Providing & Fixing Name plate with required size and coloured pvc Sheet.	unit	3.00		
22.0	Providing & Fixing Table/Counter front logo to be printed over 300 X 300mm X 8mm thk. Rounded white PVC Sheet, fixed to table front with 4 no. 50mm long SS studs complete as directed.	unit	12.00		
23.0	Providing indoor plant with necessary Soil fertilizer kept within 10" pvc tub along with a decorative ceramic bowl/tub of suitable size to keep the pvc tub.	unit	8.00		
24.0	Glass Trophy Stand:Providing & Fixing Glass Trophy Stand as per the instruction of Architect or Bank.	NOS	1.00		
Total Furnishing Work MSME Howrah (A)					

ESTIMATE & BOQ FOR INTERIOR FURNISHING WORK FOR RAH CANARA BANK HOWRAH					
SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
A	PARTITION WORK.				
1.0	Full Height Partition (Glazed,Semi Glazed,Solid): Providing and fixing wooden double skinned partition, partly glazed and partly panelled,or fully solid as per Design drawing and specifications on cash cabins, managers cabins, general counters, Work stations and Glazed partitions on counters top and any other areas as shown in the Layout Plan.The wooden frame shall be 2"x1" sal wood well seasoned sections forming 2'-0" squares covered with 6mm thick MR Grade anti termite ply wood of approved make and finished with 1mm thick Laminates of approved shades and the panel shall be as per Design and direction. For Glazed portion 10mm thick plain glass with boarder and decorative design itching as per design and direction shall be provided including decorative /plain beading including provision of 30mm thick solid flush door wherever necessary with superior quality brass anodized hinges, handles, mortise lock of Godrej make etc.The glass partition above general /ledger counter shall be of 8mm thick plain glass with boarder and decorative design itching as per design and direction with 2"x1" sal wood support at each counter unit and with decorative moulded heads including necessary wooden beading, painting and polishing. Matching to existing partition & as directed by the architect.	Sft.	610.00		

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<p>2.0</p>	<p>Full ht.12mm toughned Glass Partition:- Providing and fixing 12mm toughned glass of approved make (brand marking not to be visible on exposed surface) in fixed glazing. The glass to be fixed with black powder coated (minimum 50 micron) 2mm thick aluminium concealed channel of size 20x30x2mm at floor level and 20x50x2mm size at top level including suitable EPDM gasket and 12x15x3mm brushed finish stainless steel Angle of 304 grade at floor level fixed with approved adhesive to cover silicon joint as per approved drawings including sealing of joints on all four edges with non-staining clear silicone sealant, masking tap etc. all complete with required materials of approved make, for all floor heights as per approved drawings and direction of Engineer-In-Charge. With 12mm frame less toughned clear glass Glass Partition</p>	<p>Sft.</p>	<p>420.00</p>		
<p>3.0</p>	<p>LOW HT. Partition (Glazed,Semi Glazed,Solid):Providing and fixing in position partly glazed 4'-6" HT. Partition work as per drawing ,in frame work at 2'x2' grind (horizontally and vertically) comprising of 2"x1 ½" hevy gazed almunium section and/or as per frame work shown in the drawings with 6 mm plywood on both sides finished with 1 mm thick laminates of approved shade and colour as shown in drawings. Item to include 12 mm thick glass with etching and frosting as per design and fitted with SS finished patch panel and 2"x2" T.W. member for door sides and glass sides and T.W. door frame to take 12 mm thick glass with etching and frosting.All exposed T.W. surfaces to be finished in melamine polish of matching laminate colour as directed including all necessary Stainless Steel finish fittings/hardware and wood preservative paint etc. as per list of approved material and as approved by the Project Consultant/Bank complete in all respects.Providing and fixing twin,- stile door made of 50, mm thick well seasoned teak wood of special design for top and bottom stiles, fixed, portion with 8mm thick clear float glass and open able portion with 12mm thick etching glass with bank logo frosted design with necessary sand blasting/granular blasting to be provided and edge should be machine beveled polished glass, necessary hardware fixtures of approved make and design, viz. double action floor spring, brass flush bolt. Stain finish stainless steel decorative handle (approx. 300mm long) on both faces, complete as per drawing and instructions. Wooden surfaces shall, be polished in approved shade N.C. lacquer in mat satin finish. The work to be completed as per design and specification of all complete</p>	<p>Sft.</p>	<p>310.00</p>		

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4.0	Doors :Semi glazed/solid: Providing & fabricating fixing door shutter with 28mm x 75mm height & 28mm x 75mm, 28 mmx 60mm, 28mm x80mm rails respectively by using Giringa/ Kasi wood of well seasoned with necessary wood joining, planning, polishing etc., as per drawing matching the aligned partition . The shutter will have part glazed 8mm thk float glass side beveled , high polished with body itching of st globain & part solid one covered with 6mm BWP ply, both sides covered with 1 mm tk laminate of approved shade with necessary WB wood beading etc mat polished with melamine polish of asian / ici , complete to match the aligned partition elevations designs, the rates are inclusive of cost of necessary hinges, handles,cylindrical locks, aldrops etc., all labour, materials, taxes, leads & lift to the place of work executed to the satisfaction of the Architect.	SFT	63.00		
5.0	Main Entrance Door				
	Providing and fixing twin,- stile door made of 50, mm thick well seasoned teak wood of special design for top and bottom stiles, fixed, portion with 8mm thick clear float glass and open able portion with 12mm thick etching glass with bank logo frosted design with necessary sand blasting/granular blasting to be provided and edge should be machine beveled polished glass, necessary hardware fixtures of approved make and design, viz. double action floor spring, brass flush bolt. Stain finish stainless steel decorative handle (approx. 300mm long) on both faces, complete as per drawing and instructions. Wooden surfaces shall, be polished in approved shade N.C. lacquer in mat satin finish. The work to be completed as per design and specification of all complete				
	a) Open able portion	Sft	52.00		
	a) Fixed portion	Sft	68.00		
C	FURNITURE WORK.				
6.0	Chief Manager's table				
	Providing modular executive type manager table top of size 6'-0"x3'-0"x2'-6", a side credenza of size 3'-6"x1'-6"x2'-6" and a front drawer unit consisting 3 Nos of drawer units slides oon telescopic slider made up of 19mm th.ply with locking arrangement. The exposed edge surfaces are to be finished with 1.0mm th.laminates as per design of approved shadea and the inner surface is finished with 0.7 mm th inner laminate . The side credenza will have two drawer unit slides on telescopic slider and two cupboard unit. It also include 8mm clear glass table top with edge polished .The work should be completed including all labour and material.	Nos	1.00		
7.0	Officer's table				

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	Providing and fixing officer table along with side racks made of 19mm MR Grade anti termite ply wood board as per design. The table top shall be as per under mentioned dimensions and the side racks shall be of 1'3"x2'9"top having all necessary arrangements for keeping the computer,,accessories,like CPU,printer, ,key, board, monitors etc.Part of the rack shall be provided with pull out drawer with locking arrangement .All exposed surfaces shall be finished with wooden round beading and finished with wooden round beading and finished with melamine polish etc.complete. 1)Workstation top size2'6"x5'6"	Nos	13.00		
8.0	Banquet pattern Meeting Table: Providing 4 nos of 5' dia 6 seater banquet pattern Meeting table as per the requirement.	nos	1		
9.0	Storage Cabinate. Providing and fixing of low height storage cabinate having 450mm. depth of made out of 19mm th. block board .The exposed surface is to finished with 1.0mm th.laminates as per design of approved shadea and the inner surface is finished with 0.7 mm th inner laminate. surfaces are to be finished with as per design The work should be completed according to drawing and design including all labour and materials.	Sft	80.00		
D	OTHER WORK				
10.0	Panelling Encasing to columns , banking hall entrance where ever shown in drawings by fixing 6mm ply to the frames made out of 40mm x20mm. 2 nd class treated hard wood like Kasi/Giringa by means of nailing or screwing over with 1 mm tk laminate fixed by means of adhesive having grooves & necessary white beach beading as directed by the Architect finished with melamine finished WB wood moulding & cornice lining . At places niches shall be created to accommodate 12 mm tk soft board & fabric of approved quality fixed with necessary frame work of wood . Nitches shall be leaped with WB wood which is also melamine polished. The O H planter box as specified in other items at certain height projected from the column / walls / partitions etc fixed as per Architect's drawing/ direction. The cost includes all the materials, labour, transportation taxes etc., complete for the work.	Sft.	510.00		
11.0	Writing platform for customers & application form set	Rft	5.00		

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	Providing , fitting , fixing writing plat form at a height of 4' above floor level fixed to the wall made out of 19 mm MR Grade anti termite ply wood block board with lamination 1 mm tk on top & hard wood beading ducco painted . At least 10 nos vertical slip in chalan shelves attached to wall over writing platform made out of min 4 mm tk acrylic sheets with 6 mm tk ply back up. Each chalan shelf will be of size 6" height , 6" wide .The entire unit will be complete in all respect including materials ,labor etc to the satisfaction of consultant .				
12.0	Notice Board				
	Providing soft board covered with approved fabric with wooden frame work and decorative beading for display drawings and documents,with locking arrangementof the sliding shutter made up of 8mm th. flot glass. The work should be done including all labour and material.	Sft	1.00		
13.0	Wall Paint & Putty work.				
	Wall paint with POP & putty.Sand papering,cleaning the surface,applying primer with lambi putty/pop punning to full surface in 3 layers,thereafter applying 3 coats of paint of approved shade & color on walls.roller to be applied on all surface etc complete.jobs to include proper covering of furnitures so as to avoid damage.	Sft.	3,000.00		
14.0	False ceiling (Gypsum board.)				
	False Ceiling (Gypsum Board)Providing & fixing in position false ceiling in Gypboard 12 mm thick for horizontals & Verticals fixed over G.I. frame work as specified by India Gupsm Co. Ltd. including trap doors for A.C. Unit in 18 mm thick MR Grade anti termite Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects.(Note :- Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves, mouldings etc.)	Sft.	470.00		
15.0	False ceiling (Armstrong)				
	Providing & fixing in position false ceiling in Armstrong 600 x 600 mm x 15/16 mm Dune Supreme RH 99 Prima tile with Tegular edge framework as specified by Armstrong Co. with suspenders wherever required. Making necessary framework for A. C. ducting, if any, and necessary cutouts for diffusers and light fittings, taping and finishing to proper line & level, including making grooves and trap doors for A. C. unit in 18 mm thick MR. Grade antitermite Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects.(Note :- Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves, mouldings etc.)	Sft	608.00		

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16.0	Wooden ceiling: specification same as above instead of gypsum 4mm thk veener to be provided over 12 mm thk ply boxing. jobs include 3coats of melamine polish & cutting of lights.	sft	60.00		
17.0	Electrical panel board cover				
	Providing and fixing of electrical panel board cover made up of 19mm ply with two shutter at the front having T.W luvvers as per drawing and design, it allso have furnished with locking arrangement. The exposed surface is finished with 1mm. Th. Laminates and inner surface is finished with two cote of plastic emulsion paint over one coate of primer . The work should be completed including all hardware, material and labour.	Sft	28.00		
18.0	Roller blinds				
	Providing and Supplying Roller blinds - 100mm wide of MAC/VISTA make or as approved - washable woven fabric finish to give maximum resistance to surface abrasion and fading. Colour and texture to be finalised by architects.	Sft	170.00		
19.0	Shutter Boxing:				
	Providing and fixing in position almunium composi panel boxing with PVDF coating & LDPE core laminated Eurobond/Altobond/Alukbond Exterior grade 4mm thick including fabrication for the same with almunium sections, required hard ware, silicon sealent (Dow coming 789), masking tape, necessary scaffolding etc. It also include the trap door shutter with magnetic catch. The work should be completed including all labour and material.	Sft	60.00		
20.0	Providing and fixing Counter number plate with hanging arrangement from ceiling with required size and coloured PVC Sheet.	unit	13.00		
21.0	Providing & Fixing Name plate with required size and coloured pvc Sheet.	unit	1.00		
22.0	Providing & Fixing Table/Counter front logo to be printed over 300 X 300mm X 8mm thk. Rounded white PVC Sheet, fixed to table front with 4 no. 50mm long SS studs complete as directed.	unit	14.00		
23.0	Providing indoor plant with necessary Soil fertilizer kept within 10" pvc tub along with a decorative ceramic bowl/tub of suitable size to keep the pvc tub.	unit	5.00		
Total Furnishing Work RAH Howrah (B)					

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ESTIMATE & BOQ FOR ELECTRICAL & DATA WORK OF MSME CANARA BANK HOWRAH

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	1. WIRING TO POINTS				
1	Light Primary Points - Point Wiring for light points, controlled through modular switches complete with boxes & cover plate - The point wiring shall be done with 3x 1.5 sq.mm Fire Resistant Low smoke Low Halogen stranded Cu. Wire in 20mm FR-PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank. Circuit wiring to be included in the point wiring rates. The circuit wiring starts from DB to point control box/ switch box using Fire Resistant Low smoke Low Halogen stranded Cu. Wire 2x2.5 sqmm & 1x2.5 sqmm earthing (min size) in 20/25/32 mm FR-PVC conduit. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge	Nos.	30.00		
2	Light Secondary Points - As above for Point Wiring for light points interlooped from the primary point. The secondary point wiring shall be done with 3x 1.5 sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) stranded Cu. Wire in 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge	Nos.	22.00		

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3	<p>Wall Mounted Fan / Exhaust Fan Points - Point Wiring for wall mounted fan points controlled through modular switches complete with boxes & cover plate including cost of dedicated 6A switch & socket complete with GI box & cover plate etc. - The point wiring shall be done with 3x 1.5 sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) stranded Cu. Wire in 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement.The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge</p>	Nos	15.00		
4	<p>Ceiling Fan Points - Point Wiring for ceiling fan, controlled through modular switch and 5 step regulator complete with boxes & cover plate - The point wiring shall be done with 3x 1.5 sq.mm Fire Resistant Low smoke Low Halogen stranded Cu. Wire in 20mm FR-PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement.The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. Circuit wiring to be included in the point wiring rates. The circuit wiring starts from DB to point control box/ switch box using Fire Resistant Low smoke Low Halogen stranded Cu. Wire 2x2.5 sqmm & 1x2.5 sqmm earthing (min size) in 20/25/32 mm FR-PVC conduit. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge</p>	Nos	2.00		

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<p>5</p>	<p>5/6A Primary point:- Supply & Installation of point wiring for Raw power plug points on workstations / table/ wall using 2 X2.5 + 1x2.5 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 6/10A , 3/5 pin sockets & 1 No.,10A Switch , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. The above includes supply & fixing modular cover plates, base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same. All switches sockets and accessories must be modular. All new points must be provided in concealed/recessed conduit unless directed by architect / engineer in charge Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers.</p>	<p>Nos.</p>	<p>2.00</p>		
<p>6</p>	<p>5/6A Secondary point:- Supply & Installation of point wiring for Raw power plug points on workstations / table/ wall using 2 X2.5 + 1x2.5 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement, looped from primaty. Each point consisting of 1 nos of 6/10A , 3/5 pin sockets & 1 No.,10A Switch , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. The above includes supply & fixing modular cover plates,</p>	<p>Nos</p>	<p>4.00</p>		

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	base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same. All switches sockets and accessories must be modular. All new points must be provided in concealed/recessed conduit unless directed by architect / engineer in charge Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers.				
7	Recessed wiring to call point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6 Amp, 250 V clip in type switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.	Set	1.00		
8	15/16A Primary point (RAW / UPS) Supply & Installation of point wiring for Raw / UPS power plug points on workstations / table/wall using 2 X4 + 1x4 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 25mm FR PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 16A , 5 pin sockets & 1 No., 16A Switch , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. The above includes supply & fixing modular cover plates, base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same. All switches sockets and accessories must be modular. All new points must be provided in concealed/recessed conduit unless directed by engineer in charge Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers	Nos	10.00		

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9	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in- charge.				
	A. Recessed wiring to submain with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (From DB to Switch Board) as per direction of EIC .	Mts	250.00		
	B. Recessed wiring to submain with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (For 1HP, 2.5HP & 3HP AC POINTS & POWER SOCKET POINTS) as per direction of EIC .	Mts	170.00		
	C. Recessed wiring to submain with 4 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (For LDB / CDB) as per direction of EIC .	Mts	40.00		
	D. Recessed wiring to submain with 4 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32mm dia non-metalic heavy duty PVC conduit of 1.6 mm thick along with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (For PDB) as per direction of EIC .	Mts	65.00		
10	Supplying & fixing of UPS input DB company made & wired with double door arrangement OF APPROVED make) with following arrangement. Incoming 63 amp TPN MCB- 1 no	SET	1.00		
11	Supplying & fixing of UPS output DB company made & wired with double door arrangement OF APPROVED make) with the following arrangement. Incoming 63 amp TPN MCB -1NO Outgoing 40 Amp DP MCB - 4 nos. (3main & 1 spare).	SET	1.00		
12	Suppling ,fixing and testing of indoor wall mounted type distribution board of double door type of approved make .				

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	<p>Lighting DB- Suply and installation of 4 way, TP&N 'MCB type LDB Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral link, interconnected wiring, complete with earthing legs, housing following switch gears(Double door HORIZONTAL DB) 1 no., 40A, TPN, C-Class MCB incomer 12 nos, 6-32A, SP, C-CLass MCB outgoing</p>	Set	1.00		
13	Suppling ,fixing and testing of indoor wall mounted type distribution board of double door type of approved make . (Schneider/Legrand/Havells)				-
	<p>CDB - Suply and installation of 6 way, TP&N 'MCB type Power Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral link, interconnected wiring, complete with earthing legs, housing following switch gears(Double door Horizontal DB) 1 no., 63A, TPN C-Class MCB incomer 18 nos, 6-32A, SP, C-CLass MCB outgoing</p>	Set	1.00		
14	<p>MCB Protected point (window AC / split AC / Cassette AC/Hotplates etc.)</p> <p>Supply & Installation of point wiring for Raw power plug points onwall for Airconditioning / hotplates using 2 X4 + 1x4 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 25mm FR PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 20A , 3/5 pin sockets & 1 No., 20A Motor Starter Switch and 1 No 25A miniature MCB , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. The above includes supply & fixing modular cover plates, base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same. All switches sockets and accessories must be modular.</p>	Nos.	6.00		

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	All new points must be provided in concealed/recessed conduit unless directed by engineer in charge Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers.				
15	AC.DB				
	Airconditioning DB Supply and installation of 8 way TPN type Power Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral link, interconnected wiring, complete with earthing legs, housing following switch gears(Double door Horizontal DB) Airconditioning DB consisting of 100 A TPN MCB Incomer - 1 No. 40A TPN MCB Outgoing - 5 Nos,32DP MCB-2 NOS	Set	1.00		
					-
	2.COMPUTER WIRING				-
1	Supply of all required materials and wiring to circuits/submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				-
	A. Recessed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire	Mts	150.00		
	B. Recessed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire	Mts	50.00		
2	Supplying & fixing of computer terminal boxes made of G.I. fitted with (3nos. of 10 Amp switches + 3 nos. 10Amp socket), all clip in modular type & as per direction of Engineer-in-charge.	Set	12.00		
	3. FITTINGS AND FIXTURES				-
1	Supply, Installation, testing and commissioning of 2'X2' Recessed type LED LIGHT FITTINGS of 36/40W with full window reflector panel with minimum lumen level of 3600 and & Average life not less than 50000 hrs with 2 years warranty (Make- philips, Havells, Wipro). The light should be hanged/supported by MS chain from ceiling directly and Cann't be kept dirctly on false ceiling frame with all accessories.	Nos.	20.00		
2	Supply, Installation, testing and commissioning of Circular Recessed type LED LIGHT FITTINGS of 12 - 16W with reflector panel. Color- Neutral White/Cool White , Power Consumption (12- 16 W), Lumen out put >1500 & Average life not less than 30000 hrs with 2 years warranty (Make- philips, Havells, Wipro) with all accessories	Nos.	25.00		

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3	Supply, Installation, Testing and Commissioning of 4 Feet LED Batten, Light Color- Neutral White/Cool White, Power Consumption (16-20 W) Lumen out put >1450 and average life not less than 35000 hrs with 2 years warranty (Make- philips, Havells, Wipro) with all accessories.	Nos	5.00		
4	Supply, installation and testing of small size spot light mirror optics, LED in the wooden ceiling with all accessories complete assembly of Philips as required as per direction of Engineer in charge.	Nos.	6.00		
5	Supply, Installation, Testing and commissioning of Wall mounted Fan OPAL white, 3/4 blade design, sweep 400 mm power input 50 -70 w, Speed 1300-1330rpm (Make CG, HAVELLS, USHA) with all accessories. (Fully metal body)	Nos.	12.00		
6	Supply, Installation, Testing and commissioning of 300 mm dia metal body Exhaust fan in the Toilet window & Kitchen room with minimum one year warranty (Make CG, HAVELLS, USHA) with all necessary fitting.	Nos.	3.00		
7	Providing & Fitting of 1200 mm sweep Ceiling fan of approved make .	Nos.	2.00		
8	Providing and fitting of call bell of approved make .	Nos.	1.00		
9	Providing and fitting of modular fan regulator of approved make .	Nos.	2.00		
10	Supply, installation and testing of Angle Holder with LED Light fittings (1x9wt) of surface mounting with all accessories complete as required as per direction of Engineer in charge.	Nos.	2.00		
11	Supply & fixing of fan-hook, by cutting roof slab and welding 10 mm dia. Fan hook with main re-inforcement of roof slab complete in all respect	Nos.	2.00		
	4. PHONE WIRING .				
1	Providing, laying and connecting PVC insulated copper telephone cable of following sizes including termination in approved manner. 50-pair telephone cable.	Mtr	80.00		

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2	Supply & fixing on wall/ furniture/ partition recessed type modular telephone socket outlet (RJ-11) with mounting box & front plate complete with chase cutting, mending good etc. as required complete including/ and Supply & laying of 2 pair 0.61mm dia. PVC insulated unarmoured telephone cables through 20 mm rigid FR PVC Conduit along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface, from telephone junction box to telephone socket outlet including interconnection mending good etc. as required complete in all respects. The rate should include the cost of all materials, modular socket complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge. Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers	Nos	5.00		
4. GLOW SINAGE BOARD POINT WIRING					-
1.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				
A	Concealed wiring with 2x (1x2.5sqmm) + 1x (1x1.5sqmm) copper wire (PANEL to.Glow sign board)	Mts	20		
2.0	Supply,installation and testing of timer with contactor (L&T / Legrand) make controlling the glowsign board with all accessories complete as required as per direction of Engineer in charge. The system will be apart of the panel board.	Nos.	1		
TotalElectrical Work MSME Howrah (C)					

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ESTIMATE & BOQ FOR ELECTRICAL & DATA WORK OF RAH CANARA BANK HOWRAH

SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	1. WIRING TO POINTS				
1	Light Primary Points - Point Wiring for light points, controlled through modular switches complete with boxes & cover plate - The point wiring shall be done with 3x 1.5 sq.mm Fire Resistant Low smoke Low Halogen stranded Cu. Wire in 20mm FR-PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank. Circuit wiring to be included in the point wiring rates. The circuit wiring starts from DB to point control box/ switch box using Fire Resistant Low smoke Low Halogen stranded Cu. Wire 2x2.5 sqmm & 1x2.5 sqmm earthing (min size) in 20/25/32 mm FR-PVC conduit. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge	Nos.	30.00		
2	Light Secondary Points - As above for Point Wiring for light points interlooped from the primary point. The secondary point wiring shall be done with 3x 1.5 sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) stranded Cu. Wire in 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge	Nos.	23.00		

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3	<p>Wall Mounted Fan / Exhaust Fan Points - Point Wiring for wall mounted fan points controlled through modular switches complete with boxes & cover plate including cost of dedicated 6A switch & socket complete with GI box & cover plate etc. - The point wiring shall be done with 3x 1.5 sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) stranded Cu. Wire in 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement.The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge</p>	Nos	15.00		
4	<p>Ceiling Fan Points - Point Wiring for ceiling fan, controlled through modular switch and 5 step regulator complete with boxes & cover plate - The point wiring shall be done with 3x 1.5 sq.mm Fire Resistant Low smoke Low Halogen stranded Cu. Wire in 20mm FR-PVC conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement.The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. Circuit wiring to be included in the point wiring rates. The circuit wiring starts from DB to point control box/ switch box using Fire Resistant Low smoke Low Halogen stranded Cu. Wire 2x2.5 sqmm & 1x2.5 sqmm earthing (min size) in 20/25/32 mm FR-PVC conduit. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge</p>	Nos	2.00		

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5	<p>5/6A Primary point:- Supply & Installation of point wiring for Raw power plug points on workstations / table/ wall using 2 X2.5 + 1x2.5 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 6/10A , 3/5 pin sockets & 1 No.,10A Switch , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. The above includes supply & fixing modular cover plates, base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same.All switches sockets and accessories must be modular.All new points must be provided in concealed/recessed conduit unless directed by architect / engineer in charge Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers.</p>	Nos.	3.00		
6	<p>5/6A Secondary point:- Supply & Installation of point wiring for Raw power plug points on workstations / table/ wall using 2 X2.5 + 1x2.5 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 20mm FR-PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement, looped from primaty. Each point consisting of 1 nos of 6/10A , 3/5 pin sockets & 1 No.,10A Switch , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire</p>	Nos	4.00		

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	<p>satisfaction of the Bank. The above includes supply & fixing modular cover plates, base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same. All switches sockets and accessories must be modular.</p> <p>All new points must be provided in concealed/recessed conduit unless directed by architect / engineer in charge</p> <p>Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers.</p>				
7	<p>Recessed wiring to call point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6 Amp, 250 V clip in type switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.</p>	Set	1.00		
8	<p>15/16A Primary point (RAW / UPS) Supply & Installation of point wiring for Raw / UPS power plug points on workstations / table/wall using 2 X4 + 1x4 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 25mm FR PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 16A , 5 pin sockets & 1 No., 16A Switch , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. The above includes supply & fixing modular cover plates, base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same. All switches sockets and accessories must be modular. All new points must be provided in concealed/recessed conduit unless directed by engineer in charge Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers</p>	Nos	12.00		

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9	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in- charge.				-
	A. Recessed wiring to submain with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (From DB to Switch Board) as per direction of EIC .	Mts	350.00		
	B. Recessed wiring to submain with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (For 1HP, 2.5HP & 3HP AC POINTS & POWER SOCKET POINTS) as per direction of EIC .	Mts	180.00		
	C. Recessed wiring to submain with 4 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (For LDB / CDB) as per direction of EIC .	Mts	40.00		
	D. Recessed wiring to submain with 4 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32mm dia non-metallic heavy duty PVC conduit of 1.6 mm thick along with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required (For PDB) as per direction of EIC .	Mts	50.00		
10	Supplying & fixing of UPS input DB company made & wired with double door arrangement OF APPROVED make) with following arrangement. Incoming 63 amp TPN MCB- 1 no	SET	1.00		
11	Supplying & fixing of UPS output DB company made & wired with double door arrangement OF APPROVED make) with the following arrangement. Incoming 63 amp TPN MCB -1NO Outgoing 40 Amp DP MCB - 4 nos. (3main & 1 spare).	SET	1.00		
12	Suppling ,fixing and testing of indoor wall mounted type distribution board of double door type of approved make .				-

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	<p>Lighting DB- Suply and installation of 4 way, TP&N 'MCB type LDB Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral link, interconnected wiring, complete with earthing legs, housing following switch gears(Double door HORIZONTAL DB) 1 no., 40A, TPN, C-Class MCB incomer 12 nos, 6-32A, SP, C-CLass MCB outgoing</p>	Set	1.00		
13	Suppling ,fixing and testing of indoor wall mounted type distribution board of double door type of approved make . (Schneider/Legrand/Havells)				-
	<p>CDB - Suply and installation of 6 way, TP&N 'MCB type Power Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral link, interconnected wiring, complete with earthing legs, housing following switch gears(Double door Horizontal DB) 1 no., 63A, TPN C-Class MCB incomer 18 nos, 6-32A, SP, C-CLass MCB outgoing</p>	Set	1.00		
14	<p>MCB Protected point (window AC / split AC / Cassette AC/Hotplates etc.)</p> <p>Supply & Installation of point wiring for Raw power plug points onwall for Airconditioning / hotplates using 2 X4 + 1x4 Sq.mm FR LSH (Fire Resistant Low smoke Low Halogen) copper conductor PVC sheathed flexible wire pulled through heavy gauge 25mm FR PVC Conduit pipe heavy duty concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each point consisting of 1 nos of 20A , 3/5 pin sockets & 1 No., 20A Motor Starter Switch and 1 No 25A miniature MCB , wired together forming one point. The earth wire of green color only. All switch & sokets shall be modular type complete in all respects. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface.The rate should include the cost of all materials, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. The above includes supply & fixing modular cover plates, base plates, MS box/ Gang box in brick wall by making necessary chase/ recess and making good the same.</p>	Nos.	6.00		

	All switches sockets and accessories must be modular. All new points must be provided in concealed/recessed conduit unless directed by engineer in charge Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers.				
15	AC.DB				
	Airconditioning DB - Supply and installation of 8 way TPN type Power Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral link, interconnected wiring, complete with earthing legs, housing following switch gears(Double door Horizontal DB) Airconditioning DB consisting of 100 A TPN MCB Incomer - 1 No. 40A TPN MCB Outgoing - 5 Nos,32DP MCB-2 NOS	Set	1.00		
					-
	2.COMPUTER WIRING				-
1	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				-
	A. Recessed wiring with 2x(1x2.5sqmm) +1x(1x1.5sqmm) copper wire	Mts	150.00		
	B. Recessed wiring with 2x (1x4sqmm) + 1x (1x2.5sqmm) copper wire	Mts	50.00		
2	Supplying & fixing of computer terminal boxes made of G.I. fitted with (3nos. of 10 Amp switches + 3 nos. 10Amp socket), all clip in modular type & as per direction of Engineer-in-charge.	Set	14.00		
3.0	Providing and fixing of chemical earth electroad made out of 50mm dia class-B Asahalock or equevalent 2m length with copper plate made out of 600x600x3.15 mm tinned copper plate along with one number 40x5mm tinned copper strip grazed with the plate buried vertically with top edge of the plate at a depth of 1500 mm with arrangements for termination of copper strip of earth continuity conductor including cost of charcole, saltoreign soil, water pouring arrangements brick massionry encloser on top with R.C.C cover complete with labour and material as per direction of Engineer-in-charge	SET	1.00		

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4.0	Supply of all required materials & wiring to clip in modular type 4 No. of 6/16 amp socket points controlled by 1 No of 16 amp switch with indicator complete in all respect including making good to damages caused as per direction of EIC for Hub connection / printer supply .	Nos	6.00		
5.0	The earth lead by 8sq.mm bare copper wire in GI pipe to connect from earth electrodes to UPS outgoing earth bus & as per direction of Engineer-in-charge.	Mts	30.00		
3	Supply of all required materials & wiring to clip in modular type 15 /5 amp socket points controlled by 1 no 15 amp switch complete in all respect including making good to damages caused as per direction of EIC for Hub connection supply .	Nos	15.00		
	3. FITTINGS AND FIXTURES				
1	Supply, Installation, testing and commissioning of 2'X2' Recessed type LED LIGHT FITTINGS of 36/40W with full window reflector panel with minimum lumen level of 3600 and & Average life not less than 50000 hrs with 2 years warranty (Make- philips, Havells, Wipro). The light should be hanged/supported by MS chain from ceiling directly and Cann't be kept dirctly on false ceiling frame with all accessories.	Nos.	20.00		
2	Supply, Installation, testing and commissioning of Circular Recessed type LED LIGHT FITTINGS of 12 - 16W with reflector panel. Color- Neutral White/Cool White , Power Consumption (12- 16 W), Lumen out put >1500 & Average life not less than 30000 hrs with 2 years warranty (Make- philips, Havells, Wipro) with all accessories	Nos.	25.00		
3	Supply, Installation,Testing and Commissioning of 4 Feet LED Batten, Light Color- Neutral White/Cool White, Power Consumption (16-20 W) Lumen out put >1450 and average life not less than 35000 hrs with 2 years warranty (Make- philips, Havells, Wipro) with all accessories.	Nos	4.00		
4	Supply,installation and testing of small size spot light mirror optics, LED in the wooden ceiling with all accessories complete assembly of Philips as required as per direction of Engineer in charge.	Nos.	6.00		
5	Supply, Installation,Testing and commissioning of Wall mounted Fan OPAL white, 3/4 blade design, sweep 400 mm power input 50 -70 w, Speed 1300- 1330rpm (Make CG, HAVELLS, USHA) with all accessories. (Fully metal body)	Nos.	13.00		
6	Supply, Installation, Testing and commissioning of 300 mm dia metal body Exhaust fan in the Toilet window & Kitchen room with minimum one year warranty (Make CG, HAVELLS, USHA) with all necessary fitting.	Nos.	3.00		

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7	Providing & Fitting of 1200 mm sweep Ceiling fan of approved make .	Nos.	2.00		
8	Providing and fitting of call bell of approved make .	Nos.	1.00		
9	Providing and fitting of modular fan regulator of approved make .	Nos.	2.00		
10	Supply,installation and testing of Angle Holder with LED Light fittings (1x9wt) of surface mounting with all accessories complete as required as per direction of Engineer in charge.	Nos.	2.00		
11	Supply & fixing of fan-hook,by cutting roof slab and welding 10 mm dia.Fan hook with main re-Inforcemerit of roof slab complete in all respect	Nos.	2.00		
	4. PHONE WIRING .				
1	Providing, laying and connecting PVC insulated copper telephone cable of following sizes including termination in approved manner. 50-pair telephone cable.	Mtr	50.00		
2	Supply & fixing on wall/ furniture/ partition recessed type modular telephone socket outlet (RJ-11) with mounting box & front plate complete with chase cutting, mending good etc. as required complete including/ and Supply & laying of 2 pair 0.61mm dia. PVC insulated unarmoured telephone cables through 20 mm rigid FR PVC Conduit along with clamping the conduit at every 600 mm interval & finally finishing the surface & matching the same with the existing surface, from telephone junction box to telephone socket outlet including interconnection mending good etc. as required complete in all respects. The rate should include the cost of all materials, modular socket complete with MS box & cover plate, labour, T&P, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. All the wiring shall be carried out in recessed conduits unless instructed by Architect / Engineer in charge. Interconnections to movable furniture, if any, shall be done using flexible GI Conduit with end couplers	Nos	3.00		
	4. GLOW SINAGE BOARD POINT WIRING				
1.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard copper wire run inside pre-laid PVC conduit pipe of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.				

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A	Concealed wiring with 2x (1x2.5sqmm) + 1x (1x1.5sqmm) copper wire (PANEL to.Glow sign board)	Mts	30.00		
2.0	Supply,installation and testing of timer with contactor (L&T / Legrand) make controlling the glowsign board with all accessories complete as required as per direction of Engineer in charge. The system will be apart of the panel board.	Nos.	1.00		
	MAIN PANEL BOARD				-
1	Supply, delivery, installation , testing , commissioning , of L&T indoor wall,floor , mounted , type distribution boards made out of 2 mm thk. CR sheet metal duely acid treated premised & painted with 2 coats of enamel paint compartment arrangement for each equipment & bus bar chamber on the top of the panel running horizontal through out its length duly lamp , vermin proof having provision cable by conduit entry , earthling stud as per specification mentioned below duly factory wired confirming to the relevant ISS & as per special condition of contract , making good the damages M.S. Cubical type Panel board should have hinged door at the front. The panel shall be provided with all accessories & following arrangements complete in all respect & direction of EIC (before fabrication of panel board drawing is to be approved by Engineer-in- charge). Incoming- 1No 125 A 4 Pole MCCB 125A bus bar 3 Set 63 A Change over 1nos for UPS 1nos 63A TPN SHU Main switch for AC Out going- 1 Nos 40 A TPN MCB 2Nos 32 A TPN MCB for LDB/PDB 4Nos 32 A DP MCB 1-500 Amp. Meter with selector switch Volt meter Phase indicator lamp	Set	1.00		
	Total Electrical WorkRAH Howrah (D)				

Sl. No.	Description	Amount Quoted
1	Furnishing Work MSME Howrah (A)	
2	Furnishing WorkRAH Howrah (B)	
3	Electrical Work MSME Howrah (C)	
4	Electrical WorkRAH Howrah (D)	
5	Net Total (A+B+C+D)	
6	Discount if any	
7	Net Total After Discount	
8	GST	
9	Total inclusive of GST	

Note: Lowest Bidder will be the lowest of Sl No. 9 i.e. Net Total After Discount

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APPROVED MAKE OF MATERIALS - FURNISHING		
1	False Ceiling / Channels	India Gypsum / Armstrong / Saint Gobain
2	Wood Frame Work / Wood Section : All Wood, Must be well seasoned, free from knots, other defects decay and defects due to handling and Transportation. Wherever necessary, provide with anti - termite Treatment.	Malaysian Sal / Kapoor
3	Wood Skirting / Moulding / Lipping / Bidding	White Beach / White Cedar / CP Teak
4	Wood Preservative	STP Pentaphene Pale / Termiseal by PCI / Bison by British Paint
5	Fire Reterdant Paint	Industrial grads of Noble / Viper
6	BWP Ply (IS : 710)	Century / Green / Austin / Sylvan/GLOBE/Kitply
7	Flush Door / BWP Block board (IS : 1659)	Century / Green / Austin / Sylvan/GLOBE/Kitply
8	Laminate (1.0 mm thk.) (IS : 2046)	Green lam / Century mica / Sunmica (Aica) /
9	Door Closure (Heavy Duty)	Godrej / Archi / Sterling (DC 2000)/Dorset
10	Floor Spring (Heavy Duty)	Godrej / Archi / Sterling (FS 3000)/Dorset
11	Door Lock (Dead)	Godrej / Hafele /Hettich / Kich / Dorset / Yale
12	Door Handles	Godrej / Hafele /Hettich / Kich / Dorset
13	Drawer / Storage Handle	Godrej / Hafele /Hettich / Kich / Dorset
14	Drawer / Storage Lock (Multipurpose)	Ebco / Hafele /Hettich /Dorset
15	Night latch	Godrej / 4C Acme
16	Screws	GKW / Nettle fold
17	Hinges	CIEF/Dorset
18	Sliding Telescopic Drawer Channel	Ebco / Earl Behari / Efficient Gadjets/Dorset
19	Cable Organiser	Ebco / Innofitt Systems (CM 63.C)
20	Adhesive	Fevicol SH / Fevimate TL
21	Soft Board	Jolly Board
22	Vertical Blinds	Mac / Annums / Window Fashion
23	Glass	Modi /AIS / Saint Gobain
24	Paints (Synthetic Enamel / Acrylic Emulsion)	Asain Paints / Berger / ICI
25	PVC Flooring	Krishna Vinyl / Armstrong / Birla
26	Texture Paint	Spectrum
27	Glass	Modi / AIS / Saint Gobain
28	European WC / Washbasin	Hindware /Parryware
29	Sanitary Fittings	Jaquar / Essco Delux
30	G.I. Pipe	Tata (Medium)
31	Cement	Ultratech / Lafarge / ACC
32	Footmat	Birla 3M / Approved Equivalent
33	Vitrified Tiles	Johnson / Kajaria/ Somani
34	Ceramic Tiles	Johnson / Kajaria/ Somani
35	Chairs	Godrej/Methodex/Monarch
36	All other items not covered above	As per sample approved by Employer/Consultant

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APPROVED MAKE OF MATERIALS		
1	Switch fuse units (HRC)	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS
2	Timer (TSQ 100)	L & T / HAVELLS
3	Voltmeter & Ammeter	A. E. / IMP
4	Voltmeter & Ammeter selector switches	KAYCEE / L & T
5	Phase indicating lamp	Vaishno / SIEMENS / ROSS controls
6	Capacitor	CROMPTON/SIEMENS
7	HRC fuses	GE power / SIEMENS / L & T / SCHNEIDER
8	Power Cable : XLPE	GLOSTER/POLYCAB/HAVELLS / FINOLEX
9	HRC fuse base & carriers.	GE power / SIEMENS / L & T / SCHNEIDER
10	1.1 KV grade PVC insulated armoured aluminium cable (ISI marked)	GLOSTER / NATIONAL / NICCO / HAVELLS
11	1.1KV / 600V grade PVC insulated & sheathed / insulated copper wire & flexible cords (ISI marked).	FINOLEX / HAVELLS / POLYCAB
12	RCCB / ELCB / MCCB	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS/L&T
13	Moulded case circuit breaker	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS/ L&T
14	RCCB / ELCB	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS/ L&T
15	Switch fuse with rewirable fuses. (6A & 32A TPN)	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS/ L&T
16	Isolator	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS/ L&T
17	Changeover switch (on load type)	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS/ L&T
18	MCB distribution board	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS/ L&T
19	6/16 Amp modular type switch / flushed type plug socket	CRABTREE (athena) / LEGRAND (myrius) / SCHNEIDER (unicoplus)
20	6/16 Amp modular switch / socket, module plate & mounting M.S. / PVC box.	CRABTREE (athena) / LEGRAND (myrius) / SCHNEIDER (unicoplus)
21	16/25 Amp., 2 module electronic regulator	CRABTREE (athena) / LEGRAND (myrius) / SCHNEIDER (unicoplus)
22	Ceiling rose	KAY / EPP / ANCHOR / JJ
23	Holder	KAY / EPP / ANCHOR / JJ
24	Alarm bell	KHERAJ / GETCO
25	Black enamelled Steel conduits (conforming to IS in all respects)	BEC / SUPREME / AKG
26	Compression type brass gland	DOWELLS / JOHNSON / COMET
27	Cable termination socket	DOWELL'S
28	Light fitting & lamps	PHILLIPS / HAVELLS
29	Ceiling / Wall Mounted Fan	CROMPTON / HAVELL'S/BAJAJ
30	Exhaust fan	CROMPTON / BAJAJ / HAVELL'S
31	Industrial type socket & top	HAVELL'S / CROMPTON / LEGRAND
32	Telephone wire	FINOLEX / HAVELLS / POLYCAB
33	Starters	NORTH WEST / CRABTREE
34	All other items not covered above	As per sample approved by Employer/Consultant

SEAL & SIGNATURE OF TENDERER