

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 – KIDDERPORE BRANCH

TENDER NO.: 113/23-24/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 **KIDDERPORE BRANCH Branch**
Tender Documents may be obtained at free of cost from the Premises & Estate Section, Circle Office Canara Bank, Kolkata during working hours from **27-12-2023** till **02-01-2024**.

Earnest Money Deposit : NIL

Period of completion : 30 days

**Last date, time and place for Submission of tender : On or before 4 pm, 02-01-2024 to
The Asst. General Manager,
Premises & Estate section
Canara Bank, Circle Office
Kolkata**

Time and date of opening of tender : 11.30 am on 03-01-2024

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: 27-12-2023

SEAL & SIGNATURE OF TENDERER

GENERAL RULES & INSTRUCTIONS TO TENDERERS

Name of the work: Composite Work (Furnishing & Electrical Works) to be carried out at KIDDERPORE 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

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the 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 weather 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 conditions which sums shall be refunded after the completion of the defects liability period after

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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

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deducted from the 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 thereof 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 aforesaid 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 aforesaid 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 date 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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PROPOSED REFURBISHING WORK FOR KHIDDERPORE BRANCH KOLKATA
CANARA BANK CIRCLE OFFICE KOLKATA
I. SCHEDULE OF QUANTITIES FOR FURNISHING AND ALLIED CIVIL WORKS

ITEM NO.	DESCRIPTION	QNTY.	UNIT	RATE RS. P.	AMOUNT RS. P.
1	<p>LOW HEIGHT SOLID/PARTLY GLAZED WOODEN PARTITIONS IN COUNTER FRONT & SIDE PARTITIONS Supplying and erecting low height opaque partitions (from 1'-6" - 4' high) as per drawing and conforming to the following specifications :</p> <p><u>Basic Framework</u> : Well seasoned Malayasian sal wood sections, treated with two coats of wood preservatives, 50mm x 50mm (minimum) at maximum 600 mm horizontal or vertical spacing as per site conditions. Vertical Members shall be suitably anchored and at ceiling level to ensure rigidity.</p> <p><u>Skin Membrane</u> : 6 mm thick BWR grade plywood on each face with 4 mm grooves formed as per drawings/instructions.</p> <p><u>Finishing</u> : 1.0mm thick laminate sheet of combination shades as per instructions on both sides.</p> <p>Quoted rates shall include all necessary materials, accessories and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials of wiring conduits and switch boxes shall be separately paid for.)</p>	320	sqft.		
2 A	<p>FULL HEIGHT PARTLY GLAZED WOODEN PARTITIONS in BM's & UPS BATTERY RM. Supplying and erecting full height partly glazed partition (varying from 8'6" to 10ft high) as per drawing and conforming to the following specifications :</p> <p><u>Basic Framework</u> : Well seasoned Malayasian sal wood sections, treated with two coats of wood preservatives, 50mm x 50mm (minimum) at maximum 600 mm horizontal or vertical spacing as per site conditions.</p> <p><u>Skin Membrane</u> : (Opaque portion upto 900mm from floor level with 1x6 mm thick BWR grade plywood on each face with 4x4mm grooves formed at the top layer as per</p>				

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	<p>drawings/instructions.</p> <p><u>Glazing</u> : 8mm thick clear float glass fixed with continuous White or Steam Beech wood glazing beads of approved shape (finished 35x25 mm) all around, polished & coated with NC lacquer finish. The rate should also include cost of decorative etching on one side of the glass.</p> <p><u>Finishing</u> : 1.0mm thick laminate sheet of same or combination shades on both sides as per instructions.</p> <p><u>Edge Moulds</u> : All free top/end surfaces shall have polished white or steam beech wood moulds of approved shape (from 80x 25mm sections) with LC lacquer in mat finish.</p> <p><u>Skirting</u>: 100mm high x 12 mm thick polished white or steam beech wood skirting on both faces with NC lacquer in Matt finish.</p> <p>Quoted rates shall include all necessary materials, accessories and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials of wiring conduits and switch boxes shall be separately paid for.)</p>	215	Sq.Ft.		
2B.	<p>Same as 2A, but the ply which is to be replaced with Bison Ply for the Partition of UPS BATTERY room.</p>	100	Sq.Ft.		
3	<p>FULL HEIGHT SOLID PARTITION WITH BOTH SIDE LAMINATE Supplying and erecting full height opaque partitions (from 8'-6" 10ft. high) as per drawing and conforming to the following specifications : <u>Basic Framework</u> : Well seasoned Malayasian sal wood sections, treated with two coats of wood preservatives, 50mm x 50mm (minimum) at maximum 600 mm horizontal or vertical spacing as per site conditions. Vertical Members shall be suitably anchored and at ceiling level to ensure rigidity. <u>Skin Membrane</u> : 6 mm thick BWR grade plywood on each face with 4 mm grooves formed as per drawings/instructions. <u>Finishing</u> : 1.0mm thick laminate sheet of combination shades as per instructions on both sides. <u>Skirting</u>: 100mm high plywood skirting finished in 1mm</p>				

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	<p>thk. Laminate of combination shades as per instruction and drawing. Quoted rates shall include all necessary materials, accessories and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials of wiring conduits and switch boxes shall be separately paid for.)</p>	310	sqft.		
4	<p>WORKSTATIONS Providing, fixing and fitting in position free standing work station made of 19 mm thk. BWP Ply + 1.0 mm. Laminate of approved make and colour for the table top, sides & front apron The table is supported on the left side by a 1'-6" wide & 2'-0" deep drawer unit consisting of a tea tray, one drawer & a shuttered cabinet all in 1.0 mm thk. laminate finish and Ply partition on the right side . The table is provided with a readymade metallic CPU Holder with swivel facility, (CPU HL SW / INNOFIT systems or similar) & readymade key board drawer of engineering Plastics (KD 575 P MT/ INNOFIT System or similar) shall be suspended below the table top. Quoted rates shall also include cost of polished white or steam beech wood moulding (finished 40x20 mm section) to edges of table top; polished white or steam beech wood lipping (6mm thick) to free edges of block board/ plywood surfaces; approved drawer - slides, concealed type auto-closing shutter hinges and locks with keys in duplicate; other necessary hardware and accessories including satin finish S.S. handles, knobs and wire - managers etc. of approved quality & the table top is finished with 5mm thick glass.</p> <p>A) Approx. size of 1800 x 900 x 750 mm</p> <p>B) Approx. size of 1500 x 750 x 750 mm</p> <p>D) Approx sie of 1200 x 600 x 750 mm</p>	1 8 1	No. No. No.		
5	<p>Providing, fitting & fixing the Cash counters & Cabin along with partitions all complete: Internal Size of the cash cabin : 5'-0" (w) x 7'-0" (l) x 7'-0" (h) Providing fixing & fixing 2'-6" wide & 2'-6" high staff working top made of 18mm thick BWP block board of approved make finished with 1.0 mm laminate of approved make & shade.</p>				
5A	<p>The customer transaction top shall be 1'-6" wide</p>				

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5B	<p>projecting 6" on the customer side at a height of 1' above the staff working counter thus making a total height of 3'-6". The customer top is made of 3/4" thk. Granite top(Black galaxy) placed on 18mm thick BWP blockboard which is cut & shaped with edges round polished. Below the working top/counter will be 1'-4" wide drawer cum shuttered cabinet unit on one side & metallic CPU trolley on the other side with key board tray with slide channels & foot rest in between for each of the cash counters specs same as Banking Counters. All the specification of the drawer unit/CPU trolley is same as that of Work station in item no 6. Below the Transaction top the portion which is overlapping with the working counter of 10" deep will be covered by 2 sets of sliding shutters with a intermediate shelf with all locking arrangement for keeping currency notes. Both the staff working top & the transaction top is rested & supported together by a front Apron or Double skin partition which is similar in design and specification as that of Banking counters. There will be necessary grooves between the two different decorative laminates as shown in the detail drawing & as directed. The counter will be provided with wire manager. The front portion of cash cage above the transaction top (from 3'-6" to 7'-0" height) will be provided with 2 nos. of 12 mm thick float glass leaving a gap of 2" between the two glass panes so as to allow conversation between the customer & the cashier & a cut out of 8" x 4" at the central bottom part of each of the transaction top.</p> <p>Cash Cage Side, Intermediate & rear Partitions with door The intermediate/side/rear partition with doors between Cash Cabins as Partly glazed Wooden Partition upto 7'-0" height with the following specification: <u>Basic Framework</u> : Well seasoned Malayasian sal wood sections, treated with two coats of wood preservatives, 50 mm x 50mm (minimum) at maximum 600 mm horizontal or vertical spacing as per site conditions. Vertical</p>	5	Rft.		
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	<p>Members shall</p> <p>be suitably anchored at floor level to ensure rigidity. Exposed frame members in the glazed portions shall have wider spacing (approx. 1800 mm clear) as per instructions.</p> <p>Exposed members shall be finished with 1.0mm thick laminate sheet of same or combination shades, over 6 mm BWR grade plywood including 4 mm grooves at locations as per instruction.</p> <p><u>Skin Membrane</u> : (Opaque portion upto 1050 mm(3'-6") from floor level with 6 mm thick BWR grade plywood on each face with 4x4mm grooves formed as per drawings/ instructions.</p> <p><u>Finishing</u> : 1.0mm thick laminate sheet of combination shades as per instruction and drawing.</p>				
5B	<p><u>Skirting</u>: 100mm high plywood skirting finished in 1mm thk. Laminate of combination shades as per instruction and drawing.</p> <p><u>Glazing</u> : Strips of 8 mm thick clear float glass fixed with continuous White or Steam Beech wood glazing beads of approved shape (finished 35x25 mm) all around, polished & coated with NC lacquer finish.</p> <p>The rate should also include cost of decorative etching on one side of the glass.</p> <p>Quoted rates shall include all necessary materials,accessories and also allow provisions for electrical/telephone/computer wiring conduits and switch boxes, etc (Materials of wiring conduits and switch boxes shall be separately paid for.)</p> <p>All exposed edges of the BWP ply & blockboard are to be finished with 12 mm thk. Rubber wood lipping which are to be polished as directed.</p> <p>Provision for extra wooden frame work of same section for intermediate glazing to be included in the rate.</p> <p>There will be provision for small trays/windows for transferring of small copy either from the banking area to the cash cabins or between the cash cabins as directed by the architect.</p> <p>The cost of all fittings of the door :handle locks,aldrop handles, hydraulic door closer, night latch all of appoved make of the doors wherever required in the cash section to be included.</p>	165	SQFT.		

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6	<p>SIDE CREDENZO consisting of a top row of two sets of 4" high drawers with cabinets below with sliding shutters, made of 19mm thick BWR grade block boards all finished in 1.0mm thk.laminate. Exposed block board surfaces shall be finished with 1.00mm laminate sheet of approved shade and make. Inner faces of sliding shutters shall be polished in approved color. Free edges of block board shall have polished white or steam beech wood half round moulds (out of 20 x 20 mm sections). Inner faces of cabinet units shall be polished in approved shade quoted rates shall include cost of necessary hardware , Viz handles, locks with keys in duplicate, etc.</p>	10	Nos.		
7	<p>P/F/F Full height /Low height filing cabinet/Over head Cabinet 1'-6" deep made of 18mm BWP blockboard with intermediate shelves.The back of the cabinet to be made of 6mm thk.BWP ply fixed on the wall. There will be one horizontal division and vertical dividers of same block board at approx. 3ft.apart with sliding shutters for Low height & overhead cabinet. All exposed surfaces & the shutters are finished with 1.0 mm thk. decorative laminate of approved make & shade. Cost of all fittings like brass hinges, godrej locks,magnetic hinges, godrej locks, magnetic catches, steel matt finish "D" type handles shall be inclusive.</p>	150	Sqft		
8	<p>FLUSH DOOR Supplying and fixing in position overall 37mm thick solid core hot pressed phenol formaldehyde bonded approved flush door shutter finished door shutter finished with 1.0mm thick laminate sheet of approved shade and quality on both sides of the door shutter including cost of hardware fittings e.g. mortice locks, brass hinges, hydraulic door closer, door handles etc. of approved make and quality.</p>				
a	Average size of shutter (D1) : 3' 0"x 7'-0"	1	No.		
b	Average size of shutter (D2) : 2' 6"x 7'-0"	2	No.		
c	Swing Door , Size of Shutter (D3): 2'-6" x 4'-0"	2	No.		
9	<p>GLAZED DOOR SHUTTER Providing, fixing & fitting in position Partly Glazed Door shutters made of</p>				
9A	specification similar to that of item (8) hinged on 3				

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	<p>nos. brass hinges as required with the exception that the wooden frame is of section 2" x 1.5". The cost of all fittings:handle locks, aldop handles door closer, night latch all of appoved make to be included.The glazed portion will be between 3'-0" to 6'-8" of 6 mm thk. glasspanes of approved quality. Average size of shutter (D3) : 3'-0"x 7'-0" (Branch Head's Cabin & UPS BATTERY RM)</p>	3	Nos.		
9B	<p>MAIN ENTRANCE DOOR FOR BRANCH Etching design for glass door as per design. Door & fixed glazing shall be fixed with PATCH FITTING assembly inclusive of top and bottom patches, Floor spring, Bottom lock, SS brushed handle of 2'0" long 1"dia on both sides.</p>	25	SQFT.		
10	<p>Door Frames: P/F/F Door frames made out of 4" x 3" /3" x 1.5" clear Steam Beech wood free of knots and proper rebates and grooves be made before fixing to the wall & finished with melamine polish with necessary approved M.S holdfast with split ends fixed with G.S.screws including grouting with 1:2:4 concrete in brick work and/or with rawl plug in RCC construction and/or properly screwed and fixed in Partition as directed etc complete.</p>	0.25	CUMT		
11	<p>PIN-UP NOTICE BOARD Providing, fitting in position pin-up board made of soft cork board finished with the fabric as approved,matching with the colour scheme of the banking hall with a R.W. moulding all around the edges.</p>	30	Sqft.		
12	<p>PANELLING ON THE WALLS WITH LAMINATE FINISH OF WALLS & PILLARS Wall Panelling / column encasing (upto False ceiling height) works as per Branch Ambience Standardised manual of the Bank conforming to the following specifications : Shall be made up of 2"x1" salwood framework with 12mm thk ply back up. The framing shall be fixed at intervals of 2'0" c/c horizontally and vertically. Shall be made up of 19mm thk plywood as per site conditions. The framing shall be fixed with 6mm thick ply to form 4mm grooves finished with 1mm thick approved color laminate</p>				

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	<p>of approved make at every 1ft interval. The skirting shall be finished with 3" wide 1.00mm approved bi color laminate of approved make.</p> <p>Quoted rates shall include all necessary materials, accessories and labour and also allow provisions for electrical/telephone/computer wiring conduits & switch boxes etc. complete with necessary jacking /thickening of panels to accommodate conduits/ switch boxes. (Materials for wiring conduits and switch boxes shall be separately paid for).</p>	300	Sqft.		
13	<p>TRAP DOOR & BOXING FOR ROLLING SHUTTERS & COLLAPSIBLE GATE WITH ACP FINISH</p> <p>Providing and fixing trap doors consisting of 1/4" thk. Marine ply shutters with a clear opening of 4.5" opening for smooth operation of shutters and rest is closed with mirror screws (for opening for servicing).</p> <p>The shutters shall be finished with approved ACP finish with all materials and frame of 2"x1 1/2" teak wood sections shall be provided for proper support and strength. Rate shall be inclusive of necessary fittings like hinges (hafele/ebco make), ball catches, tower bolts, etc.</p>	100.0	SQFT		
14	<p>WOODEN SHUTTERS WITH FRAME FOR ELECTRICAL PANELS</p> <p>Providing and fixing 18mm thk. Com ply shutters with same ply frame. Division of shutters shall be made equally according to the length. Shutters shall be hinged to the framework and finished with 1.0mm thk. Laminate of approved colour and shade on outer side and inside finished with 2 coats of enamel paint of app colour and shade. Rate shall be inclusive of all necessary approved fittings like hinges, ball catch, 150 mm long SS Brush Finish handle, tower bolts, locks, Aluminium powder coated air vent grills and necessary hardware fittings complete, etc.</p>	35.0	SQFT		
15	<p>Writing Ledge FOR BRANCH</p>	1.0	NOS		

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	Providing & fixing Writing ledge of size 750mm x 500 mm x 150mm with pigeon hole type box below the top made out of 19mm block board finished with 1mm laminate fixed/ mounted on the wall with Angle Support. With a 12mm thick machine polished clear glass top fitted to the main structure with 4 nos. 75mm high stainless steel studs.				
16	Suggestion Box & Cheque Drop Box FOR BRANCH Providing & fixing Suggestion box of size (450mm x 150mm x 300mm) made out of 12mm block board finished with 1mm laminate and openable shutter with locking arrangement.	1.0	NOS		
17	WOODEN LUNCH TABLE IN LAMINATE FINISH Providing and laying Lunch Table 2FT Depth made of approved BWR ply wood 19mm thick supported on wooden legs . The table shall be finished with 1mm laminate and with polished T.W. edge moulding.	11	RFT		
18	WINDOW SCREEN Providing, fitting in position 100mm Vertical blinds made of best quality PVC coated polyester fabric of approved make & shade & to be tailored to the size of the window.	180	SQft		
19	GYPSUM BOARD FALSE CEILING (INCLUDING DROP) Providing and fixing in position dropped ceiling in two levels including vertical surfaces in between two level of ceiling surface with 12.5mm thick tapered edge gypsum board conforming to IS 2095 including providing and fixing of framework made of special sections power pressed from MS Sheet and galvanized in accordance with Zinc coating 600 as per IS 277 and costing of angle cleats of size 25mm wide x 16mm thick with flanges of 22mm and 37mm at 1200mm center to center one flange fixed to the ceiling with dash fastner 12.5mm dia with flanges of 22mm and 37mm at 1200mm center to center one flange fixed to the ceiling with dash fastner 12.5mm dia x 40mm long with 6mm dia bolts to the angle hangers of 25x25x5 mm of required length and other end of angle hanger being fixed with nut and bolts to G.I. Channels 45mm x 15mm x 0.9mm running at the rate of 12mm centre to centre to which the ceiling section o.5mm thick botton wedge	950	Sqft.		

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	<p>of 08mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm center to centre shall be fixed in a direction perpen - dicular to G.I. Channel with connecting clips made out of 2.64 mm dia x 230mm long G.I. Wire at every junction including fixing the gypsum board with ceiling section and perimeter channel. The perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm center to center with 25mm long drive all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filter, paper tapes, finisher and two coats of primer suitable for gypsum board as per manufactures specification and also include the cost of making openings for light fittings grills, diffusers, cutouts made with frame of perimeter channels of the Engineer-in-Charge . Rates to include cost of making openings for ceiling mounted electrical fittings/air-conditioning accessories and also making of openings of size 2'x2' with door for electrical servicing as per instructions.</p>				
20	<p>FALSE CEILING (Armstrong) Providing & fixing in position false ceiling in Armstrong Make 600 x600 mm x 15/16 mm Dune Microlook tile with Regular Black reveal 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 18mm thick M.R. Grade Plywood with Stainless Steel hinges & locks with moulding 1" x 1" for edges including finishing with White Plastic Emulsion Paint etc. complete in all respects. (Note- Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves mouldings etc.)</p>	1,050	SQFT		

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21	PLASTIC EMULSION PAINT WORK IN THE AC AREA Providing and applying minimum two coats of acrylic emulsion paint of approved shade & make on a base coat of necessary primer including necessary scrapping of old surface & new surface preparation in the walls under false ceiling. Providing & laying 1mm thk.(avg.) White Cement Putty on the wall area to prepare the surface before Plastic Emulsion paint , as directed by architect.	3000	SQFT		
22	SYNTHETIC ENAMEL PAINT ON STEEL WINDOWS/WOODWORK/ROLLING SHUTTER Providing and painting on wooden, steel or plastered surfaces with two coats of Synthetic Enamel paint of approved shade & brand over a coat of primer of approved quality after sand papering the old/new surface to give an even uniform shade.	1000	SQFT		
23	DISTEMPER PAINT WORK IN THE NON AC AREA Providing and applying minimum two coats of Distemper paint of approved shade & make on a base coat of necessary primer including necessary scrapping of old surface & new surface preparation in the walls under ceiling.	2000	SQFT		
24	10" THK. BRICKWORK FOR THE WALLS OF THE GOLD VAULT Brick Work in Superstructure: Providing and laying 10" Thk. Brick Masonry with 1st class brick confirming to IS 12894 in cement mortar 1:5(1 Cement : 5 Sand) in one or more brick thickness and in any shape at all height above plinth level including the cost of materials, labour, scaffolding/staging, sampling & testing, soaking of bricks, cutting and laying of bricks, providing recesses, making openings of any shape & size, finishing the joints flush below ground level and raking out the joints above ground level, sealing the gap between masonry and soffit of beam/slab, embedding the fittings & fixtures, curing, etc. all complete as directed. Erecting 250 mm/10" thick Brick work having crushing strength not less than 70kg/sqcm including cutting bricks as necessary.	5	SQMT		
25	RCC LINTLES WITH PLASTER: Constructing RCC works in 1:1.5:3 mix (M20) concrete as per the requirement as directed by the Bank/ Architect. All RCC works should be machine mixed and vibrated, clear cover provided for reinforcement. The Rate shall include plastering with ¾" thk. 1:4 cement plaster on both the sides. The rate shall be inclusive of any scaffolding required, curing etc. Complete.	0.5	CUMT		

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26	STEEL REINFORCEMENT FOR ALL RCC WORKS as mentioned in Item 2A: Providing and Fixing Structural Steel Reinforcement as per the structural details for lintels and other necessary items etc. including shuttering, binding etc. complete in all respect.	25	Kgs		
27	PLASTER ON NEW BRICKWORK Providing minimum of 12mm thick Cement Plaster on abovementioned new brick walls with 1:6 cement mortar including soffits, and sides all complete as directed i/c scaffolding and curing.	100	SQFT		
28	REMOVAL OF INTERNAL WORN OUT/DAMP PLASTER AND CLEANING THE EXPOSED SURFACE WALL WHEREVER REQUIRED. Taking out carefully damaged / worn out plaster from the internal walls, beams, ceiling, column upto any height including raking out joints. The rate should include cost of scaffolding and removing of debris from site as per local Municipal rules with all labour, materials tools & tackles.	200	SQFT		
29	PLASTERING (Additional Plastering / Repairing, patch up works) Providing & applying cement sand plaster of 1:4 proportion to existing existing brick / RCC walls & ceilings in single coat of avg. 3/4" thk. Finished rough to receive plaster of paris levelling coat. The rate shall include necessary Water proofing chemical to be admixed with cement sand plaster , scaffolding, curing etc. Complete	400	SQFT		
30	Dismantling of existing banking counters, Cash Counters and all existing partitions, false ceiling, Panelling as directed removing them from the premises, shifting of almirahs from old position to the designated areas in the premises & removing of the rubbish from site as per local Municipality rules.	1	JOB		
GROSS TOTAL FURNISHING WORK (A)					

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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 Ceader / 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/ARCHID
7	Flush Door / BWP Block board (IS : 1659)	Century / Green / Austin / Sylvan/GLOBE/ARCHID
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 / Laferge / 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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PROPOSED REFURBISHING WORK FOR KHIDDERPORE BRANCH KOLKATA CANARA BANK CIRCLE OFFICE KOLKATA					
II. SCHEDULE OF QUANTITIES FOR ELECTRICAL AND ALLIED WORKS					
ITEM NO.	DESCRIPTION	QNTY.	UNIT	RATE	
				RS.	P.
1.0	<u>SWITCH/ MCB</u>				
1.1	Supply & erection of 415V/230V equipment individually on wall housed in MS enclosure with metal front cover for the following:				
1.1.1	100A FP SFU with HRC fuse links as main incomer with cable entry box.	1	Each		
1.1.2	63 A TPN Isolator with cutout DB(for Master switch for controlling Lights, Acs., power point excluding UPS ,Server & CCTV wiring distribution at Branch Entrance location	1	Each		
1.1.3	40A DP RCCB (MAKE :LEGRAND/L&T)	1	Each		
1.1.4	32A 20KA 230-400V, 50/60HZ FP SURGE PROTECTION DEVICE(HAGER MAKE)	1	SET		
1.1.5	63 A DP MCB for UPS INPUT	2	Each		
1.1.6	32A DP MCB for UPS OUTPUT	2	Each		
1.1.7	TPN Busbar chamber having 4 nos. 25x6mm CU Bars fixed on insulators.	1	Each		
1.1.8	2 x 10A SPMCB with enclouser for continous supply of server & CCTV LINE	1	Each		
2.0	<u>DISTRIBUTION BOARD</u>				
2.1	Supply & erection of 415V, TPN wall mounting DB housed in Horizontal Double door DB box consisting of the following:-				
2.2.1	<u>MDB:</u> i) Incomer- 1 No - 63A 4P MCB (10KA). ii) Outgoing- 7 Nos. - 32 SP MCB (10KA). (UPS supply and LDB supply)	1	Set		
2.2.2	<u>PDB / AC DB:</u> i) Incomer -1 No- 100A 4P MCB Isolator. ii) Outgoings- 10 nos. -16/20 SP MCB (10KA).	2	Set		
3.0	Supply & erection of 230V SPN Wall mounting DB housed in SPN double door DB box consisting of the following:-				
3.1.1	<u>LDB:</u> i) Incomer- 1 No- 32A 2P MCB(10KA) ii) Outgoing-10 nos. -6A/10A SP MCB(10KA)	2	Set		

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3.1.2	CDB: i) 1 no - 25A DP MCB(10KA) ii) 2 nos. - 10A SP MCB(10KA) iii) 6 nos. - 6A SP MCB(10KA)	1	Set		
3.1.3	<u>TIMER D.B. FOR UPS BATTERY RM</u> i) 1 no - 24 Hours Time switch(Leg rand / Siemens) ii) 2 nos. DP contactor, 20A rated(2 NO) iii) 2 nos. 16A rated SP MCB (10KA). 2 nos. - Indicating Lamp(Orange & Red/ Blue) Battery Back up : 1000 hours, Load: 3000 A with LED Display Power	1	Set		
4.0	<u>DISTRIBUTION CABLE / WIRE</u>				
4.1	Supply & lay 1.1 KV grade PVCA AL/CU cable on wall having MS /HDP pipe protection near floor level and clamping as required for the following:-				
4.1.1	50 Sq mm 4 core Al with 2 nos 10 SWG GI wire	50	Mtr		
4.1.2	20 Sq mm 4 core Al with 2 nos 10 SWG GI wire	45	Mtr		
4.1.3	10 sq mm 4 core Al with 2 nos 12 SWG GI wire	40	Mtr		
4.1.4	6 sq mm 4 core Al with 2 nos 12 SWG GI wire	40	Mtr		
4.1.5	2.5 sq mm 2 core CU for UPS Plate Earthing	40	Mtr		
4.1.6	4 nos. 16 sq. mm. CU flexible wire through GI flexible pipe complete with end termination with CU sockets. (Meter loop connection with Main SFU & Busbar)	10	Mtr		
4.2	Making end termination of 1.1 KV grade PVCA Al/CU cable with supply of cable end box , brass Gland, CU crimping socket & jointing materials as required for the following:-				
4.2.1	50 Sq mm 4 core Al	2	Each		
4.2.2	16 Sq mm 4 core Al	2	Each		
4.2.3	10 sq mm 4 core Al	6	Each		
4.2.4	6 sq mm 4 core Al.	5	Each		
4.2.5	4 sq mm 2 core CU	10	Each		
5.0	<u>16A RAW POWER OUTLET POINT WIRING</u> Wiring for Power outlets from DB with 1.1 KV grade 2x 2.5+1x1.5 PVC insulated copper conductor wire (FRLS)	4	Each		

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	through suitable size PVC conduit complete with 1 no 6/16A socket with 16A control switch in suitable size modular box with front plates (Cabtree Legrand), junction box, circular box elbows etc and all other accessories surfaced on wall above false ceiling and concealed by chase cutting on wall & making connection complete. (Maximum 2 nos. sockets cluster in one circuit connecting by looping method).				
6.1	<u>A.C. POWER POINT WIRING</u> A.C. power point wiring from PDB with 1.1KV grade 2 nos. single core 4.0 sq. mm + 1 no. 2.5 sq mm (Green colour for Earthing) PVC insulated copper conductor wire (FRLS)through suitable size PVC pipe on wall / ceiling surface with all wiring accessories. The work includes supply & fixing by chase cutting on wall, North West /Cabtree make Starter 18-25A (MS housed) unit with 25A socket & matching Plug top complete with all interconnections for 1.0/1.5/2 Ton ACs.	11	Each		
7.0	Wiring /cabling with 660/1100 V grade PVC insulated multi stranded copper wire/cable(FRLS) through ISI marked minimum 2-20 mm (max) thick PVC conduit with junction box, circular box, elbows, bends, couplers and other accessories concealed (below the false ceiling) or by chase cutting on wall/floor or on surface by bar saddles.				
7.1.1	2X4 + 1X 2.5 sq mm. (FOR Glow sign supply,LDB Supply)	250	Mtr		
7.1.2	1X6 SQMM CU wire for earthing	200	Mtr		
7.1.3	2X2.5 + 1x1.5 sq mm. (for UPS & Raw power Circuit & Continous supply for server & CCTV line)	250	Mtr		
7.1.4	4X6 + 1X 2.5 sq mm. (FOR UPS POWER INPUT WIRING)	50	Mtr		
7.1.5	2X6 + 1X 2.5 sq mm. (FOR UPS POWER OUTPUT WIRING & Lighting on & Off Inverfor line wiring)	100	Mtr		
8.0	<u>POINT WIRING:</u>				
8.1	Supply & wiring with 3x1.5 sq. mm 1.1 KV grade PVC S/C multistrand CU wire (FRLS) in suitable size PVC conduit & accessories having control board with modular switch mounted on suitable front plate and housed in recessed MS box. The point wiring also include circuit				
	wiring with 1.1 KV grade 2 nos. single core 2.5 sq. mm +1 no. single core (green colour for Earth) PVC insulated flexible copper conductor wire through suitable size PVC conduit from DB to Switch board, interconnection and mending good all damages to original finish. (Max.8-10 points or 700- 800Watts per Circuit is allowed).				
8.1.1	One Light controlled by 6A switch	35	Each		

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8.1.2	Two Light controlled by 6A switch	20	Each		
8.1.3	Exhaust Fan point with 6A switch	3	Each		
8.1.4	Bracket fan point /Ceiling Fan point with 6A switch	17	Each		
8.1.5	Modular type 6A switch, 1 no. 6A 5 pin socket point mounted on suitable front plate on separate switch board other than light / fan switch board. (Power to be tapped from nearest S.B/ LDB).	15	Each		
8.1.6	Call bell point with bell push and bell (for manager's Chamber).	1	Each		
9.0	<u>COMPUTER POWER OUTLET CLUSTER POINT WIRING</u>				
9.1	Computer socket outlet cluster point wiring with 1.1KV grade 2x 2.5 + 1x1.5 sq. mm. PVC insulated flexible copper conductor wire(FRLS) through suitable size PVC conduit with all accessories up to connection of 2/3 nos. sockets cluster in one circuit connecting by looping method. The work includes supply and fixing of sockets outlet cluster components as detailed below:- 1 nos.- 16A modular type switch. 3 nos. - 6/16A 5 pin modular type socket 1 each no. - Front plate & MS box. (for Each Table & counters)	14	Each		
10.0	<u>FAN & EXHAUST FAN</u>				
10.1	Supply, erection and connection of 400 mm 230V oscillating type full Metal body wall mounted bracket Fan.	15	Each		
10.2	Supply, erection and connection of 225 mm 1400 rpm, 230V Heavy duty exhaust Fan with wire guard net including wall cutting and finishing.	3	Each		
11.0	<u>Call Bell</u> Supply and fixing of call bell with modular type push complete with plate & box to be fixed (1 each in Floor) -	1	Each		
12.0	<u>LIGHT FITTINGS</u> Supply, erection and connection of fluorescent / compact fluorescent / mini halogen fitting with lamp , ballast / Transformer and other accessories for the following as per approved Brand/Make of Materials.				
12.1.1	42W 2 X 2 LED LIGHTS	30	Each		
12.1.2	15 W LED DOWN LIGHTERS	25	Each		
12.1.3	20 W LED TUBE LIGHT	22	Each		
12.1.14	LED LIGHT STRIPS (@5MT= 1 ROLL)	8	ROLLS		
12.1.4	5A 12 V DRIVER 12NC	10	SET		

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13.0	<u>TELEPHONE CABLE</u> Supply, lay and connect PVC insulated CU conductor and armoured 10 pair Telephone cable for the following:-	100	Mtr		
14.0	<u>TELEPHONE POINT</u>				
14.1	Telephone point wiring with 2 pair PVC insulated CU conductor (0.5mm) telephone wire drawn through PVC conduit.	5	Each		
14.2	Supply and erection of modular type telephone outlet RJ11 mounted on suitable front plate housed in recessed MS box.	5	Each		
15.0	<u>EARTHING</u>				
15.1.1	Supply and election Earth station with 600 x600x3mm GI Plate with earth strip / wire connecting arrangement including excavation and back filling with 25 mm dia GI pipe for watering.(for UPS & LIGHT FAN Earthing)	2	Each		
15.1.2	Supply and erection of masonry pit for each Earth station having CI/RCC inspection cover.	2	Each		
16.0	Supply and erection of earth bus on wall (min. length 0.3 mtr.) on insulator with drilled holes on the bus with GI bolt , nut , washer etc for the following:-				
16.1.1	With (25x6) mm GI flat	2	Each		
16.1.2	With (25x3) mm CU flat	2	Each		
17.0	Supply and lay GI flat for earthing underground /on wall including connection for the following:-				
17.1	(25x3)mm GI flat	70	Mtr		
18)	DISMANTLING WORK: Dismantling of electrical items like light fittings, fan, wires, switches, boards etc along with all allied items like LAN and Telephone wires and all items dismantling as per need of the site.	1	job		
NET TOTAL OF ELECTRICAL WORK (B)					

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

Note: Lowest Bidder will be the lowest of Sl No. 5 i.e. Net Total After Discount

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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
13	Moulded case circuit breaker	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS
14	RCCB / ELCB	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS
15	Switch fuse with rewirable fuses. (6A & 32A TPN)	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS
16	Isolator	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS
17	Changeover switch (on load type)	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS
18	MCB distribution board	LEGRAND /SCHNEIDER / HAVELLS / SIEMENS
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

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