

TENDER DOCUMENT FOR ELECTRICAL WORKS AT STAFF TRAINING CENTER, RAEBERELI

PART- I

<u>Architect</u>

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BARODA UTTAR PRADESH GRAMIN BANK

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INDEX

- 1. NOTICE INVITING TENDER
- 2. INSTRUCTIONS TO BIDDERS
- 3. FORMAT OF THE FORM FOR BIDDERS (TO BE SUBMITTED AS COVERING WITH THE BID)
- 4. CONDITIONS OF CONTRACT
- 5. IMPORTANT TENDER CONDITIONS
- 6. TECHNICAL SPECIFICATIONS

NOTICE INVITING TENDER

$\frac{For\ Electrical\ Work\ at\ Staff\ Trainig\ Center\ of\ Baroda\ Uttar\ Pradesh\ Gramin\ Bank\ at}{RAEBERELI,\ Uttar\ Pradesh.},$

1.1	EMPLOYER / OWNER	: General Manager Baroda Uttar Pradesh Gramin Bank Head Office, A-1, Civil Lines, Raebareli(UP)
1.2	NAME OF WORK	: Electrical Work at Staff Training Center of Bank at Raebareli(UP) \
1.3	PERIOD OF AVAILABILITY OF BIDDING DOCUMENT	: From 18.12.2019 to 08.01.2020
1.4	PLACE OF AVAILABILITY OF BIDDING DOCUMENTS	: https://www.barodagraminbank.com/tender.htm
1.5	LAST DATE, TIME & PLACE FOR RECEIPT OF BIDS	: 09.01.2020, 2.30 pm at Baroda Uttar Pradesh Gramin Bank Head Office, A-1, Civil Lines, Raebareli(UP)
1.6	TIME & DATE OF OPENING OF BIDS	: 09.01.2020 at 03.30 PM
1.7	PLACE OF OPENING OF BIDS	: Baroda Uttar Pradesh Gramin Bank Head Office, A-1, Civil Lines, Raebareli(UP)
1.8	ARCHITECTS	: Gunjan and Associates. 141, Sainik Nagar, 9th Lane ,Raebareli Road, Lucknow-226002 Phone: 9838818489, 9839018489
1.9	COST OF BID DOCUMENT	Rs. 500/- (By DD in favor of Baroda Uttar Pradesh Gramin Bank payable at Raebareli)
1.10	ESTIMATED COST OF WORK	: Rs. 9.00 lacs (Rupees)
1.11	EARNEST MONEY DEPOSIT	: Rs.15,000.00(By DD in favor of Baroda Uttar Pradesh Gramin Bank payable at Raebareli)

1.12 Corrigendum, if any, in this regard shall be uploaded on Bank's website (https://www.barodagraminbank.com/tender.htm). only

INSTRUCTIONS TO BIDDERS

SUBJECT - ELECTRICAL WORKS AT STAFF TRAINING CENTER OF BARODA UTTAR PRADESH

GRAMIN BANK AT RAEBERELI.

Item wise sealed tenders are invited in a two bid system for the above mentioned work for which tender

document can be downloaded from the website of the bank at

https://www.barodagraminbank.com/tender.htm

Sealed bids in a big envelope which contains two sealed envelops (Part-A Technical Bid, Part-B

Financial Bid) to be submitted. Technical Bid to be enclosed with two demand drafts issued by any

scheduled commercial Bank for Rs. 500/-(Rupees Five Hundred only) as cost of bid document and

Rs. 15,000.00 (Rupees Twenty Thousand Only) as Earnest Money drawn in favour of Baroda Uttar

Pradesh Gramin Bank, paybale at Raebareli. All envelpes(sealed) must be superscribed as

'TENDER FOR ELECTRICAL WORKS AT TRAINING CENTER OF BUPGB AT RAEBERELI.

last date for submission of Tenders is 09.01.2020 up to 02.30 PM and the technical bid shall be

opened on same date at 03.30 pm first to assess the technical soundness of the firm. Any tender

received thereafter will not be accepted.

The financial bid will be opened of those bidders only whose technical bid qualifies on the technical

evaluation criteria of the bank. Date for opening of financial bid will be intimated to successful bidders in

technical bid in due course.

The Bank, shall not be bound to accept the lowest bid & reserves the right to reject any or all the

tenders without assigning any reason.

The tender shall be valid for a period of sixty days from the date of opening of tender.

(General Manager)

4

Date: 18.12.2019

BASIC INFORMATION

1	Name of the Applicant / Organization			
	Address of the Registered Office (with phone numbers, fax numbers & e-mail ID & cell phone number)			
	Address of Office at Nearest Place to RAEBARELI(Local Office) (with phone numbers & e-mail ID)			
2	Year of establishment			
3	Type of the organization (whether sole proprietorship, partnership, Private Ltd. or Ltd. Co. etc.) (Enclose certified copies of documents as evidence)			
4	Name & qualification of the proprietor / partners / Directors of the organization / Firm a)			
	b)			
	c)			
	(Enclose certified copies of documents as evidence)			
5	Details of registration – Whether Partnership firm, company, etc. Name of Registering Authority, Date and Registration number. (Enclose certified copies of documents as evidence)			
6	Whether registered with Government / Semi-Government / Municipal authorities of any other Public organization and if so, in which class and since when? (Enclose certified copies of documents as evidence)			
7	Details of registration with (Enclose certified copies of documents as	Year of Registration.	Class	Valid Up to
	evidence)	rregisti atioti.		
7A	Number of years of experience in the field and details of work in any other field			

8	Address of the office through which the	
	proposed work of the Bank will be handled and the name & designation of Officer/Person	
	in Charge	
9	Yearly turnover of the organization during last	
	3 years (year-wise) and furnish audited balance sheet and Profit & Loss a/c (audited)	
	for the last 3 years.	
10	Name & Address of Bankers	1.
10	(Solvency certificate from a Bank to be	1.
	enclosed for indicating satisfactory financial	2.
	capacity of the organization)	
		3.
11	Enclose copy of latest income tax clearance	
10	certificate DAN Number	
12	PAN Number	
13	Details of registration for payment of service	
4.4	tax(GST)	
14	Detailed description and value of works done (Proforma 1) and works on hand (Proforma 2)	
15	Details of Key Personnel Permanently	
	employed (Proforma 3)	
16	Other infrastructural information to be used / referred for this project (Proforma 4)	
17	Furnish the names of 3(three) responsible	
	persons along with their designation, address,	
	telephone no. etc. for whose organisation,	
	you have completed the above mentioned jobs and who will be in a position to certify	
	about the performance of your organization.	
18	Whether any Civil Suit / litigation arisen in	Attach a separate sheet, if required.
	contracts executed / being executed during	
	the last 10 years. If yes, please furnish the name of the project, employer, nature of	
	work, contract value, work order and brief	
	details of litigation.	
	Give name of court, place, status of pending	
19	litigation. Information relating to whether any litigation is	
19	pending before any Arbitrator for adjudication	
	of any litigation or else any litigation was	
	disposed off during the last ten years by an	
	arbitrator. If so, the details of such litigation	
	are required to be submitted.	

- 2.0 INSTRUCTION TO BIDDERS
- 2.1 SCOPE OF BID
- 2.2 ELIGIBLE BIDDERS
- 2.3 QUALIFICATION OF THE BIDDER
- 2.4 ONE BID PER BIDDER
- 2.5 COST OF BIDDING
- 2.6 SITE VISIT
- 2.7 CLARIFICATION OF BIDDING DOCUMENTS
- 2.8 AMENDMENT TO BIDDING DOCUMENT
- 2.9 ALL DOCUMENTS RELATING TO THE BID SHALL BE IN ENGLISH LANGUAGE ONLY
- 2.10 BID PRICES
- 2.11 BID VALIDITY
- 2.12 BID SECURITY (EARNEST MONEY)
- 2.13 FORMAT & SIGNING OF BID
- 2.14 SEALING & MARKING OF BIDS
- 2.15 LATE BIDS
- 2.17 MODIFICATION & WITHDRAWAL OF BID
- 2.18 BID OPENING
- 2.19 PROCESS TO BE CONFIDENTIAL
- 2.20 CLARIFICATION OF BIDS
- 2.21 EXAMINATION OF BIDS & DETERMINATION OF RESPONSIVENESS
- 2.22 CORRECTION OF ERRORS
- 2.23 EVALUATION & COMPARISON OF BIDS
- 2.24 AWARD CRITERIA
- 2.25 EMPLOYER'S RIGHT TO ACCEPT ANY BID & TO REJECT ANY OR ALL BIDS
- 2.26 NOTIFICATION OF AWARD & SIGNING OF AGREEMENT
- 2.27 DEFECTS LIABILITY PERIOD
- 2.28 COMPENSATION FOR DELAY
- 2.29 ADVANCE PAYMENT

2.1 SCOPE OF BID

- 2.1.1 The Baroda Uttar Pradesh Gramin Bank, RAEBARELI invites bids for electrical works (as defined in these documents & referred to as "the works") detailed herewith.
- 2.1.2 The successful bidder will be expected to complete the work / s by the intended completion date & to the desired quality as specified in the contract data.

2.2 ELIGIBLE BIDDERS

2.2.1 All bidders shall provide in section 3.0 forms of bid & qualification information, a statement that bidder is not associated, nor has been associated in the past, directly or indirectly, with the consultant or any other entity that has prepared the design, specifications & other documents for the project or being proposed by, Baroda Uttar Pradesh Gramin Bank, RAEBARELI. Or any of it's officers.

2.3 QUALIFICATION OF THE BIDDER

- 2.3.1 All bidders shall provide in the section 3.0 forms of bid & qualification information, a preliminary description of the proposed work method & schedule, including drawings & charts (as necessary).
- 2.3.2 All the bidders should submit the following documents with their bids -
 - (a) Proof of definition of the constitution or legal status, place of registration & principal place of business; written power of attorney of the signatory of the bid of commit the bidder.
 - (b) Total monetary value of executed work performed for each of the last five years.
 - (c) Experience in works of a similar nature & size for each of the last five years.
 - (d) Qualifications & experience of key site management & technical personnel proposed for the contract.
 - (e) Reports on the financial standing of the bidder, such as profit & loss statements & auditor's reports for the past five years.
 - (f) Evidence of adequacy of working capital for this contract.
 - (g) Information regarding any litigation, current or during the last five years, in which the bidder is involved, the parties concerned & disputed amount. (including income tax, U.P.T.T. & C.S.T. service tax authorities).
 - (h) Proposals to subcontracting components of the works amounting to more than 10% of the contract price (if permitted & necessarily to be vetted by the architect).
 - (i) Income tax permanent account of the bidder.
 - (j) Income tax clearance certificate for the current financial year.
 - (k) U.P. trade tax registration no.
 - (I) Any additional information as needed in the contract document.
- 2.3.3 Bids from joint ventures are not acceptable.
- 2.3.4 To qualify for award of the contract, each bidder in it's name should have in the last three years:
 - (a) Achieved a minimum financial turnover (in all classes of Electrical work only) of Rs. **30.0 lacs** in each three preceding years, supported by audited balance sheets.
 - (b) Successfully completed two prime contracts of at least similar work type of value not less than Rs. 10 lacs. in the last three financial year.

OR

One Project costing not less than 15 Lacs

(c) Any additional condition as imposed in the tender document.

2.4 ONE BID PER BIDDER

2.4.1 Each bidder shall submit only one bid. A bidder who submits or participates in more than one bid (other than as a sub contractor or in the case of alternatives that have been permitted or requested) will cause all the proposals with the bidder's participation to be disqualified.

2.5 COST OF BIDDING

2.5.1 The bidder shall bear all costs associated with the preparation & submission of his bid, & the employer will in no case be responsible & liable for those costs.

2.6 SITE VISIT

2.6.1 The bidder, at his own risk, cost & responsibility is encouraged to visit & examine the site of works & its surroundings & obtain all information that may be necessary for preparing the bid & entering into a contract for work/s.

2.7 CLARIFICATION OF BIDDING DOCUMENTS

2.7.1 A prospective bidder requiring any clarification regarding the bidding document may notify the employer in writing or by e-mail at the employer's address/e-mail ID indicated in the invitation bid. The employer will respond to any request for clarification which he receives earlier than 7 days prior to the deadline for the submission of bids. Copies of the employer's response will be forwarded to all purchasers of the bidding documents, including a description of the enquiry but without identifying its source.

2.8 AMENDMENT TO BIDDING DOCUMENT

- 2.8.1 Before the deadline for the submission of the bid, the employer may modify the bidding documents by issuing addenda only on its website https://www.barodagraminbank.com/tender.htm.
- 2.8.2 Any addendum thus issued shall be part of the bidding documents & shall be communicated in writing or by cable to all purchasers of the bidding documents. Prospective bidders shall acknowledge receipt of each addendum by cable to the employer. For this purpose it is mandatory for all prospective bidders to furnish a e-mail/fax no. at the time of purchase of the document.
- 2.8.3 To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the employer shall extend as he thinks is necessary the deadline for submission of the bids. The discretion to do so & the time to be extended would be the privilege of the employer.

2.9 ALL DOCUMENTS RELATING TO THE BID SHALL BE IN ENGLISH LANGUAGE ONLY.

2.10 BID PRICES

- 2.10.1 The contract will be for the whole work based on the priced bill of quantities submitted by the bidder.
- 2.10.2 The bidder shall fill in rates & prices for all items of the works described in the bill of quantities. Items for which no rate or price is entered by the bidder will not be paid for by the employer when executed & shall be deemed covered by the other rates & prices in the bill of quantities. Corrections, if any, shall be made by crossing out, initialing, dating & rewriting.
- 2.10.3 All duties, taxes (other than GST) & other levies payable by the contractor under the contract or for any other cause shall be included in the rates, prices & total bid price submitted by the bidder.
- 2.10.4 The rates & prices quoted by the bidder shall be fixed for the duration of the contract & shall not be subject to adjustment on any account.

2.11 BID VALIDITY

- 2.11.1 Bids shall remain valid for a period not less than sixty days after the deadline date for the bid submission. A bid valid for shorter period shall be rejected by the employer as non responsive.
- 2.11.2 In exceptional circumstances, prior to expiry of the original time limit, the employer may request that the bidders may extend the period of validity for a specified additional period. The request & the bidder's response shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid except the validity period.

2.12 BID SECURITY (EARNEST MONEY)

- 2.12.1 as per section 1
- 2.12.2 No bank guarantees will be acceptable in lieu of the above.
- 2.12.3 The bid security of the unsuccessful bidders shall be returned within 28 days of the end of the bid validity period as specified in earlier section or earlier if the owner so desires.
- 2.12.4 No interest whatsoever shall be payable on the said bid security.
- 2.12.5 The bid security of the successful bidder shall be discharged only after the completion of work.

2.13 FORMAT & SIGNING OF BID

- 2.12.1 The original copy of the bid shall be typed or written in indelible ink & shall be signed by a person or persons duly authorized to sign on behalf of the bidder. All pages of the bid where entries or amendments have been made shall be initialed by the person / s signing the bid.
- 2.13.2 The bid shall contain no alterations, except those to comply with instructions issued by the employer, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person/s signing the bid.

2.14 SEALING & MARKING OF BIDS

- 2.14.1 The bidder shall seal the original bid in a non transparent envelope duly marking it as original. This envelope shall be kept inside another envelope which shall be sealed & signed across the joints by the person / s authorized by the bidder.
- 2.14.2 The inner & outer envelope shall be addressed to the employer at the following address:

The General Manager

Baroda Uttar Pradesh Gramin Bank,

Head Office, A-1, Civil Lines

RAEBARELI-229001(UP)

- 2.14.3 The top of the envelope shall have clearly written in block letter the following -
- 2.14.4 The lower left hand corner of the envelope, the name & address of the bidder along with the telephone no. / e-mail should be inscribed.

TENDER FOR ELECTRICAL WORKS FOR TRAINING CENTRE BARODA UTTAR PRADESH GRAMIN BANK, RAEBARELI.

2.14.5 If the outer envelope is not sealed & marked as in 2.14.1, the employer will assume no responsibility for the misplacement or premature opening of the bid.

2.15 DEADLINE FOR SUBMISSION OF BIDS

2.15.1 Bids must be received by the employer at the address specified above not later than 02.30 PM **07.01-2020**

In the event of the specified date for the submission of the bids is declared as a holiday by the employer's organization, the bids will be received up to the appointed time on the next working day.

- 2.15.2 The employer may extend the deadline for submission of bids by issuing an amendment in which case all rights & obligations of the employer & the bidders previously subject to the original deadline will then be subject to the new deadline.
- 2.15.3 In case of the above, all those bidders whose names, addresses & e-mails are in record with the employer will be intimated by e-mail at least two days in advance of the proposed date of submission of the bid.
- 2.15.4 Those bidders who fail to register their name, addresses & e-mail ID with the employer at the time of collection of the bid document shall have no right to 2.15.3 & cannot hold the employer responsible for any damages whether direct or indirect.

2.16 LATE BIDS

2.16.1 Any bid received by the employer after the deadline as prescribed earlier will be returned unopened to the bidder.

2.17 MODIFICATION & WITHDRAWAL OF BID

- 2.17.1 Bidders may modify or withdraw their bids by giving notice in writing before the deadline as prescribed in clause no.2.15
- 2.17.2 Each bidder's modification or withdrawal notice shall be prepared, sealed, marked & delivered in accordance with clause no.2.13 & 2.14 with the outer & inner envelopes additionally marked "MODIFICATION" or 'WITHDRAWL" as appropriate. No bids may be modified or withdrawn after the deadline for submission of bids.
- 2.17.3 Withdrawal or modification of the bid between the deadline for submission of bids & the expiration of the original validity period or extended as above will result in the forfeiture of the bid security.

2.18 BID OPENING

- 2.18.1 The employer will open the bids, including the modifications in the presence on the bidders or their authorized representative / s who chose to attend at 03:30 PM on the date & place specified in the bid document. In the event of the specified date of the bid opening being declared a holiday by the employer's organisation, the bids will be opened at the appointed time & location on the next working day.
- 2.18.2 Envelopes marked withdrawal shall be opened & read out first.
- 2.18.3 The bidder's name, the bid price, the total amount of each bid & of any alternative bid (if alternatives have been requested & permitted), any discounts, bid modifications & withdrawals, the presence or absence of bid security & such other details as the employer may consider appropriate, will be announced by the employer at the opening. Any bid price, discount, or alternative bid price which is not read out & recorded at the bid opening will not be taken into account in bid evaluation.

2.19 PROCESS TO BE CONFIDENTIAL

2.19.1 Information regarding to the examination, clarification, evaluation & comparison of bids & recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any effort by the bidder to influence the employer's processing of bids or award decisions may result in the rejection of his bid.

2.20 CLARIFICATION OF BIDS

2.20.1 To assist in examination, evaluation & comparison of bids, the employer may, at his discretion, ask any bidder for clarification of the bidder's bid, including breakdowns of unit rates. The request for clarifications & the response shall be in writing or by cable, but no change in the

price of substance shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the employer in the evaluation of the bids.

2.21 EXAMINATION OF BIDS & DETERMINATION OF RESPONSIVENESS

- 2.21.1 Prior to the detailed evaluation of bids, the employer will determine whether each bid
 - (a) Meets the eligibility criteria defined in clause 2.2 & 2.3
 - (b) Has been properly signed
 - (c) Is accompanied with the required bid securities
 - (d) Is substantially responsive to the requirements of the bidding documents.
- 2.21.2 A substantially responsive bid is one which confirms to all terms, conditions & specifications of the bidding documents without material deviation or reservation. A material deviation or reservation is one:
 - (a) Which limits in any substantial way the scope, quality or performance of the works
 - (b) Which limits in any substantial way, inconsistent with the bidding document, the employer's rights or the bidder's obligations under the contract.
 - (c) Whose rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids.
- 2.21.3 If a bid is not substantially responsive, it will be rejected by the employer, & may not subsequently be made responsive by correction or withdrawal of the non confirming deviation or reservation.

2.22 CORRECTION OF ERRORS

- 2.22.1 Bids determined to be substantially responsive will be checked by the employer for any arithmetic errors. Errors will be corrected by the employer as follows -
 - (a) Where there is a discrepancy between the rates in figures & in words, the rate in words shall govern.
 - (b) Where there is a discrepancy between the unit rate & the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.
- 2.22.2 The amount stated in the bid will be adjusted by the employer in accordance with the above procedure for the correction of errors & with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the correction amount, the bid will be rejected & the bid security may be forfeited.

2.23 EVALUATION & COMPARISON OF BIDS

- 2.23.1 The employer will evaluate & compare only bids determined to be substantially responsive in accordance with clause no. 2.21
- 2.23.2 In evaluating the bids, the employer will determine for each bid the evaluated bid price by adjusting the bid price as follows:
 - (a) Making any correction for errors pursuant to clause no. 2.22
 - (b) Making appropriate adjustment for any other acceptable variations, deviations etc.
 - (c) Making appropriate adjustments to reflect discounts or other price modifications offered.
- 2.23.3 The employer reserves the right to accept or reject any variation, deviation or alternative offer. Variations, deviations & alternative offers & other factors which are in excess of the requirements of the bidding documents or otherwise result in unsolicited benefits for the employer shall not be taken into account in bid evaluation.

2.24 AWARD CRITERIA

2.24.1 Subject to clause 2.25, the employer will award the contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents & who has offered the lowest evaluated bid price. Provided that such bidder has been determined to be eligible in

accordance with provisions of clause 2.2 & qualified in accordance with provisions of clause 2.3. It may be noted that having lowest bid is not the only criterion for award of the contract & does not guarantee the bidder of getting the contract.

2.25 EMPLOYER'S RIGHT TO ACCEPT ANY BID & TO REJECT ANY OR ALL BIDS

2.25.1 Not with standing clause 2.24, the employer reserves the right to accept or reject any bid, & to cancel the bidding process & reject any or all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds of the employer's action.

2.26 NOTIFICATION OF AWARD & SIGNING OF AGREEMENT

- 2.26.1 The bidder whose bid has been accepted will be notified of the award by the employer prior to expiration of the bid validity period by e-mail confirmed by registered letter. The letter (hereinafter & in the conditions of contract called the "letter of acceptance") will state the sum that the employer will pay the contractor in consideration of the execution, completion & maintenance of the works by the contractor as prescribed by the contract (herein after called the 'contract price')
- 2.26.2 The notification of award will constitute the formation of the contract subject only to the furnishing of a performance guarantee in accordance with the provisions of clause 2.27
- 2.26.3 The agreement will incorporate all agreements between the employer & the successful bidder. It will be signed by the employer & sent to the successful bidder within 28 days following the notification of award along with the letter of acceptance. Within 7 days of the receipt, the successful bidder will have to sign the agreement & deliver it to the employer.
- 2.26.4 If the successful bidder fails to do so, the employer will assume that the successful bidder is unwilling to execute the contract & the bid security of the successful bidder will be forfeited.
- 2.26.5 In case of 2.26.4, the employer reserves the right to award the contract to the next lowest bidder provided he agrees to work on the same bid price as that of the successful bidder.
- 2.26.6 The owner may, at his own discretion, in the event of 2.26.4 happening call for fresh bids.
- 2.26.7 Upon the furnishing by the successful bidder of the performance security, the employer will promptly notify the other bidders that their bids have been unsuccessful.

2.27 DEFECTS LIABILITY PERIOD

2.27.1 Twelve Months from the date of virtual completion of work (as per Virtual completion certificate).

2.28 COMPENSATION FOR DELAY

2.28.1 Penalty for the delayed work / liquidated damages will be charged and payable @1% of the contract value per week up to a maximum of 5% of the contract value. In the event of the penalty charged exceeding 5% of the contract value, the Bank will be free to determine the contract after recovery of such charges from the security deposit and / or the retention amount. In case of any amount remaining outstanding, the same will be recoverable from any other works being carried out by you for the Bank or through appropriate legal action. In case of delays on the part of Bank, suitable extension of time will be granted but no other compensation will be paid for such delay.

2.29 ADVANCE PAYMENT

2.29.1 No advance payment whatsoever will be made to the successful bidder for mobilization or for any other reason / s.

3.0 FORMAT OF THE FORM FOR BIDDER (TO BE SUBMITTED AS COVERING WITH THE BID)

To -The General Manager, Baroda Uttar Pradesh Gramin Bank, Head Office, A-1, Civil Lines Raebareli-229001(UP)

Subject - <u>ELECTRICAL WORKS AT TRAINING CENTRE OF BARODA UTTAR PRADESH GRAMIN BANK AT</u> RAEBARELI

Sir,

- 1. I / we submit tender for execution of work as mentioned above as per the tender documents within the time schedule of completion of work for jobs, as separately signed & accepted by me / us, at the schedule of rates quoted by me / us for the whole work in accordance with notice inviting tender, instructions to the bidder, conditions of contract, important tender conditions, technical specifications, list of approved materials, bill of quantities, drawings as per all other details given in the tender document.
- 2. It has been explained to me / us that the time stipulated for jobs & completion of works in all respects & in different stages mentioned in the time schedule of completion of jobs & signed & accepted by me / us is the essence of the contract. I / we agree that in the case of failure on my / us part to strictly observe the time of completion mentioned for job / s on any of them to the completion of job / s, I / we shall pay compensation to the owner as per the provisions & stipulations contained in the tender document & I / we agree to recovery being made as specified therein. In exceptional circumstances, extension of time will not be counted for the extension of completion dates stipulated for the job & for the final completion of work as stipulated in the said "time of schedule" of completion of jobs.
- 3. I / we agree to pay the security deposit & accept the terms & conditions laid down below in this respect:
 - (a) Retention money: 5% of contract value will be deducted from each running / final bill of the contractor towards security deposit.
 - (b) E.M.D.: We deposit herewith E.M.D. of Rs (as specified) by D.D. Rs 15,000/- favoring Baroda Uttar Pradesh Gramin Bank payable at Raebareli.
- 4. Should this tender be accepted, I / we hereby agree to abide by & fulfill all terms & conditions to above & in default therefore, to forfeit & pay to the owner or its successors or it's authorized nominees such sums of money as are stipulated in conditions of contract.
- 5. If I / we fail to commence the work specified in the memorandum in para (2) above, or I / we fail to deposit the amount of security deposit specified in the memorandum in (3) above, I / we agree that the said owner or it's successor without prejudice to any other right or remedy be at liberty to forfeit the said security specified in (3) above. The said owner shall also be at liberty to cancel the notice of acceptance of tender in I / we fail to execute an agreement or to start work as stipulated in the tender documents.

Date	Day of	2020
Name in block le	etters -	
Address -		
Yours faithfully,		

Signature of tenderer / s with the seal of the firm

Name & designation of authorized person signing the tender on behalf of the tenderer / s -

4.0 CONDITIONS OF CONTRACT

- 4.1 DEFINITIONS
- 4.2 EMPLOYER'S RISK
- 4.3 CONTRACTOR'S RISK
- 4.4 INSURANCE
- 4.5 SAFETY
- 4.6 POSSESSION OF THE SITE
- 4.7 SAMPLES & SHOP DRAWINGS
- 4.8 TIME OF COMPLETION
- 4.9 WATER & ELECTRICITY
- 4.10 VIRTUAL COMPLETION
- 4.11 VARIATIONS
- 4.12 TYPE OF CONTRACT
- 4.13 SCHEDULE OF QUANTITIES & VARIATIONS
- 4.14 LICENSE & PERMITS
- 4.15 TAXES
- 4.16 DELAYS
- 4.17 COMPENSATION FOR DELAY
- 4.18 LIQUIDATION DAMAGES
- 4.19 LABOUR REGULATIONS
- 4.20 SECURITY
- 4.21 ESCALATION OF MATERIALS COST
- 4.22 EXTRAS & VARIATIONS
- 4.23 WITHHOLDING OF PAYMENTS
- 4.24 CORRECTION OF WORK BEFORE VIRTUAL COMPLETION OF WORK
- 4.25 VIRTUAL COMPLETION
- 4.26 DEFECTS
- 4.27 METHODS OF MEASUREMENT
- 4.28 DISMISSAL OF CONTRACTOR'S EMPLOYEES
- 4.29 TERMINATION OF THE CONTRACT BY THE OWNER
- 4.30 JURISDICTION
- 4.31 TESTS & CERTIFICATES
- 4.32 CLEANING THE SITE
- 4.33 OPERATIONAL CONSTRAIN

4.1 **DEFINITIONS**

- 4.1.1 Bill of quantities means the prices & complete bill of quantities forming part of the bid.
- 4.1.2 The contract is the contract between the employer & the contractor to execute, complete & maintain the works.
- 4.1.3 The contractor is a person or corporate body whose bid to carry out work has been accepted by the employer.
- 4.1.4 The contract data defines the documents & other information which comprise the contract.
- 4.1.5 The contractor's bid is the completed bidding document submitted by the contractor to the employer.
- 4.1.6 The contract price is the price stated in the letter of acceptance & thereafter as adjusted in accordance with the provisions of the contract.
- 4.1.7 Days are calendar days & months are calendar months.
- 4.1.8 The defects liability period is the period named in the contract data & calculated from the completion date.
- 4.1.9 The employer is the party who will employ the contractor to carry out the works. In this case it will be **The General Manager of Bank.**
- 4.1.10 The Engineer / Architect is the person named in the contract data or any other competent person appointed & notified to the contractor to act as replacement to the engineer / architect) who is responsible for supervising the contractor, administering the contract, certifying payments due to the contractor, issuing & valuing variations to contract, awarding extensions of time (if permissible) & valuing the compensation events (if permitted). In this case the Engineer / Architect will be -

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- 4.1.11 Equipment is the contractor's machinery & vehicles brought temporarily to the site to construct works.
- 4.1.12 The initial contract price is the contract price listed in the employer's letter of acceptance.
- 4.1.13 The intended completion date is the date on which it is intended that the contractor shall complete the works. The intended completion date is specified in the contract data. The intended completion date may be revised only by the engineer in consultation with the owner by issuing an extension of time.
- 4.1.14 Materials are all supplies, including consumables, used by the contractor for incorporation in the works.
- 4.1.15 the site is the area defined as such in the contract data which shall be in Raebareli City.
- 4.1.16 Specification means the specification of the works included in the contract & any modification or addition made or approved by engineer / architect.
- 4.1.17 the start date is given in the contract data, it is the date when the contractor shall commence execution of the works. It does not necessarily coincide with any of the site possession data.
- 4.1.18 Temporary works are works designed, constructed, installed & removed by contractor which are needed for construction or installation of the works.
- 4.1.19 a variation is an instruction given by the engineer/architect which varies the work.

4.2 EMPLOYER'S RISK

- 4.2.1 The employer is responsible for the accepted risks which are -
 - (a) In so far as they directly affect the execution of the work in the employer's country, the risk of war, hostilities, acts of terrorism, riot, commotion of disorder(unless restricted to the contractor's employees).
 - (b) A cause due solely to the design of the works, other than the contractor's design

4.3 CONTRACTOR'S RISK

All risks of loss of or damage to physical property & of personal injury & death which arise during & in consequence of the performance of the contract other than the accepted risks are the responsibility of the contractor.

4.4 INSURANCE

Before commencing the execution of works, the contractor without limiting his obligations & responsibilities under this contract, shall ensure against his liability for any loss or injury which may occur to any person including any employee of the owner or a member of the general public, by or arising out of the execution of the work or in carrying out of the contract. Unless otherwise stipulated elsewhere in this contract, it shall be obligatory for the contractor to obtain the insurance cover under the following policy -

- (a) Contractor's all risks insurance policy to cover the following:
- (b) Policy to cover contractor's liability under workmen's compensation act 1923, minimum wages act 1948, contract labour (regulation & abolition act 1970 & other relevant acts listed elsewhere). This shall be for the period of compensation period.

The contractor shall insure against all such liabilities & shall continue such insurance during the whole of the time when any person employed by him is on the works. Premium for all insurance policies shall be paid by the contractor & shall not be reimbursable.

4.5 SAFETY

The contractor shall be responsible for the safety of all activities on the site.

4.5 DISCOVERIES

Anything of historical or other interest of significant value unexpectedly discovered on the site is the property of the employer. The contractor is to notify the engineer of such discoveries & carry out the engineer's instructions for dealing with them.

4.6 POSSESSION OF THE SITE

The employer shall give possession of all parts of the site to the contractor. If possessions of a part are not given by the date stated in the contract data, the employer is deemed to have delayed the start of the relevant activities.

4.7 SAMPLES & SHOP DRAWINGS

After the award of the contract, the contractor shall furnish for the approval of the architect, samples & shop drawings (where appropriate) for all materials, finishes & work listed elsewhere in these conditions.

4.8 TIME OF COMPLETION

The work shall be completed in all respects within **30 days** (including holidays & Sundays) from the date of award of work inclusive of mobilization period.

4.9 WATER & ELECTRICITY

These shall be arranged by the owner at one or more convenient point/s. Necessary extensions of these supplies will have to be got executed by the contractor at his own cost.

4.10 VIRTUAL COMPLETION

Virtual completion certificate shall mean the certificate / s to be issued by the architect when the "works" according to the architect have been completed in every respect in conformity with the contract documents & are ready & fit for occupation / commissioning.

4.11 VARIATIONS

The owner reserves the right to increase, decrease or delete the scope of work or any or all items, subject to limitation laid down. The contractor shall have no claim for loss of anticipated profits or for any other reason whatsoever on account of these variations.

4.12 TYPE OF CONTRACT

The contract shall be an item rate contract. The contractor shall be paid at the contract rates, for the actual quantity of the work carried out by him as measured, in accordance with the contract documents.

4.13 SCHEDULE OF QUANTITIES & VARIATIONS

The quantities given in the schedule of quantities are provisional & are meant to indicate the intent of work & provide a uniform basis for tendering. The contractor shall be paid for the actual quantity of work executed by him in accordance with the right to increase or decrease any of the quantities or totally omit any items of work & the contractor shall not claim any extra or damages on these grounds subject to the condition that the overall contract amount is not varied by more than +- 50%.overall contract amount, for the purpose of variation shall not take into account the additions to the total amount because of escalation of price materials, labour, etc. Any error in description or in quantity or omission of item in the schedule of quantities shall not vitiate this contract but shall be deemed to be a variation required by the architect.

4.14 LICENSE & PERMITS

License & permits for all materials under the govt. control shall be obtained by the contractor directly. The owner may assist the contractor in this respect to the extent possible. The contractor shall include in his tender all transport charges & other expenses that may be incurred in this connection.

4.15 TAXES

The rates quoted by the contractor for each item shall be inclusive of all taxes, such as sales tax both central & state), trade tax, income tax, turnover tax, works contract tax, excise duty, octroi etc. complete on all materials & equipment forming part of the work. **Only GST shall be payable extra as applicable**

4.16 DELAYS

Should the contractor be delayed or impeded in; the execution of works by reason of:

- (a) Force majeure.
- (b) By the works or delays of other contractors or tradesman, engaged or nominated by the owner & not referred to in the contract document.
- (c) The non delivery or delay in the delivery to the contractor of any materials & equipment which under the contract the owner or the architect; or
- (d) Any cause, whatever arising out of the acts of defaults of the owner or the architect; or
- (e) Any accident happening to the works during the progress not arising from negligence, default of the contractor or his workmen or subcontractor; or
- (f) Extras or variations being ordered by the architect; or
- (g) Any other cause which is in the opinion of the architect has caused delay; the contractor may from time to time within 14 working days of the happenings of any of the aforesaid, writing to the architect for an extension of time on account thereof, setting forth the cause of such delays.

The architect / owner shall, if he thinks the cause sufficient but not otherwise, by writing within 14 working days extend the time of completion of the works for such periods as he shall think adequate.

Unless the contractor shall ask for any extension of time within the period & the manner aforesaid,* unless & until the architect / owner shall extend the time aforesaid, the contractor shall not by reason of any delay arising from cause aforesaid, be relieved in any way or to any extent from his obligation to proceed with, execute & complete the works within the time specified in the contract for the completion of the work.

4.17 COMPENSATION FOR DELAY

The contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work whatever the cause of delays arising out of modification of the work entrusted to him or in any sub contracts connected therewith or delays in contracts for other trades of the project or in commencement of completion of such works.

4.18 LIQUIDATION DAMAGES

The contractor shall pay the owner such as stipulated liquidation damage for each day. Sundays & holidays inclusive that he work remain incomplete after the contract date for completion orally extended time as may be granted by the architect, provided that the total amount payable by way of damages shall not exceed 10% (ten percent only) of the total initial contract amount.

4.19 LABOUR REGULATIONS

The contractor shall be wholly & solely responsible for full compliance with the provisions under all labour laws of the Union of India &/or regulations such as payment of wages act 1936, minimum wages act 1948 & it's subsequent amendment/s.

4.20 SECURITY

It will be responsibility of the contractor only.

4.21 ESCALATION OF MATERIAL'S COST

It is a fixed rate contract, no escalation either on materials or labour whatsoever shall be paid under any circumstances.

4.22 EXTRAS & VARIATIONS

If at any time whilst the works are in progress it shall be deemed specially by the architect to order material or work of a different description from that specified, he shall have full power to order & direct any such variations & additions & the work involved in any such variations additions shall be executed by the contractor if of the class of work provided for in the documents at the contract, or extend the time of completion but such additions or variations shall be paid for or deducted from the account of the contractor, as the case may require, according to the rates set but in the schedule of quantities.

The rates for such additional altered or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order -

(a) If the rates for the additional, altered or substituted work specified in the contract for the work, the contractor is bound to carry out the additional, altered or substituted work at the same rate as specified in the contract for work.

- (b) If the rates for the additional, altered or substituted work are not specifically provided in the contract for the work, then such rates will be derived from the rates for a similar class of work as specified in the contract for work.
- (c) If the altered, additional or substituted work cannot be derived from similar class of work as laid down in (b) above, then the rates for such items of work shall be completed on the basis of the analysis of rates as provided in all schedule of rates 1977-III standard analysis of rates (volume I & 2) published by national building organisation, New Delhi.

But if the contractor & architect cannot agree as to the rate to be paid, the architect may order & direct the same to be done by such person/s as he may think fit; & such person/s shall be permitted by the contractor to enter upon the works for the purpose of carrying out such work/s as is required.

4.23 WITHHOLDING OF PAYMENTS

The architect may withhold or on account of subsequently discovered evidence, nullify the whole or a part of any certificate to such extent as may be necessary to protect, the owner from loss on account of -

- (a) Defective work not remedied.
- (b) Failure of the contractor to make payments to sub contractors (if permitted) for materials or labour or equipments.
- (c) A reasonable doubt that the contract can be completed for the balance unpaid amount. Damage of works of another contractor or sub-contractor.

4.24 CORRECTION OF WORK BEFORE VIRTUAL COMPLETION OF WORK

The architect shall conduct a final inspection just prior to the virtual completion of the work & prepare a list of materials, equipment & items of work which fail to confirm to the contract specifications. The contractor shall promptly replace & re execute such items in accordance with the contract & shall bear all expenses of making good all work & the cost work of other contractors destroyed or damages by such replacement or removal. If the contractor fails to remove & replace above, rejected materials, equipment & or workmanship within a reasonable time, fixed by written notice, the owner may employ any other persons to amend & make good such defects at the expense to the contractor.

All expenses incurred by the owner in consequent on the defects shall be recoverable from any amount due or that may become due to the contractor.

4.25 VIRTUAL COMPLETION

The work shall be considered to be virtually complete only upon fulfillment of the procedure laid down in clause above & when the architect has certified in writing that the work has been virtually completed. The defects liability period shall commence from the date of the certificate. Should the owner decide to occupy any portion/s of the building or use any part of any equipment, before the contract is completed, same shall not constitute as acceptance of any part of the work unless so stated in writing by the architect.

4.26 DEFECTS

- 4.26.1 The contractor shall make good, at his own cost & to the satisfaction of the architect from work of materials not being in confirmation of the drawings or specifications or schedule of quantities or the specifications of the architect, which may appear within six months after completion of work
- 4.26.2 Any defects noticed & brought to the attention of the contractor shall be promptly attended to by the contractor expeditiously.

4.26.3 After the contract is signed, the contractor will be furnished with two copies of the drawings & two copies each of conditions & contract, specifications & schedule of quantities without cost to him for his own use until the completion of the contract. Additional copies of the drawings & other documents will be supplied on payment to the architect at actual cost.

In general, the drawings shall indicate dimensions, position & type of construction; the specification shall indicate the quantity & rate for each item of work. However the above documents being complementary, what is called for by any one shall be binding as if called for by all. In case of any discrepancies in or among the documents, the most stringent of all shall apply. No deviations from the drawings, specifications & schedule of quantities shall be made. The architect's interpretation of these documents shall be final & without appeal.

4.27 METHODS OF MEASUREMENT

For measuring of work, the standard method of measurement in accordance with the standards laid down by the BIS shall be adopted unless otherwise specified. In the event of any dispute with regard at the mode of measurement of the work executed, the decision of the architect shall be final & binding.

4.28 DISMISSAL OF CONTRACTOR'S EMPLOYEES

The contractor shall on request of the architect immediately dismiss from the works of any person / s employed thereon by him who may, in the opinion of the architect be incompetent misconduct's himself & such person shall not be re-employed on the works without the permission of the architect.

4.29 TERMINATION OF THE CONTRACT BY THE OWNER

If the contractor should persistently or repeatedly refuse to carryon the work diligently or shall fail except in case for which extension of time is provided, to supply enough properly skilled manpower or proper materials or equipment for the progress of work, or if he should fail to make prompt payments to sub contractors(if permitted) or for materials or equipment / s or labour or persistently disregard laws, ordinances or instructions of the architect or otherwise be guilty of a violation of any provision of the contract, or has abandoned the contract, or has failed to commence the works, or has suspended the works, then the owner upon the certificate of the architect that sufficient cause exists to justify such action say without prejudice to any other right or remedy & after giving the contractor seven days notice in writing, terminate the employment of the contractor & take possession of the premises of all materials, equipment/s, T&P thereon & use these as owners property for the completion of the work. In such case, the contractor shall not be entitled to receive any further payment until the work is finished.

4.30 JURISDICTION

All matters arising out of or in way connected with this agreement shall be deemed to have arisen at RAEBARELI (Uttar Pradesh) & shall have jurisdiction to determine the same.

4.31 TESTS & CERTIFICATES

The contractor shall be & remain liable at his own cost to conduct all tests at all relevant times during supply, erection & installation of any works, structures, materials & components as shall be required in terms of the contract document. On testing if the architect is not satisfied by the quality or workmanship of any structure, material or component, the contractor shall re-perform as per the specifications.

4.32 CLEANING THE SITE

The contractor shall be responsible for removing malba from the site to place permitted by the municipal authorities every 48 hours & cleaning the site regularly. Cost of removal of malba, transportation, loading, unloading etc. (up to any lead) shall be included in the cost of the relevant item of work execution.

4.34 OPERATIONAL CONSTRAIN

This is a new premises & the space is freely available during period of execution of work.

5.0 IMPORTANT TENDER CONDITIONS (over riding any other condition laid down

earlier

	Possession of site	: Immediate.
1		
2.	Time of completion	: 30 days from the date of handing over the
		site
3.	Liquidation damages will be made.	per day : Rs.1000/- per day inclusive of
		Sunday, holidays, limited to 10% of
		the Contract amount.
	Payment schedule	No advance payment Maximum of two
4.		interim payments on running bills before final
-	D ()	bills
5.	Retention money :	5% (five percent only) of the value of the
		interim bills.
6.	Period of submitting final bills	: Within 30 days of virtual completion of work.
7.	Release of retention money:	: 50% of the retention amount within 15 days
		of virtual completion.
8.	Defects liability	: Twelve Months from the date of virtual
		completion of work (as per Virtual completion
		certificate).
9.	Estimated cost of work :	As / section 1.
	Income tax & other taxes:	will be deducted as per the prevailing income
10.	Contract tax etc.Laws.	tax, works
11 .		: Rates are inclusive of all taxes such as
	Rate(central) trade	sales tax (state & central), trade
		Tax, works contract tax, etc. except GST

06. TECHNICAL SPECIFICATIONS

6.1.1 **Quality**

All materials used in the works shall be of their respective kinds as specified herein, obtained from sources & suppliers as approved by the architects & shall comply strictly with the tests prescribed hereafter, or where tests are not laid down in the specifications, with the requirements of the latest issue of the relevant Indian standard.

6.1.2 Sampling & testing

All materials used in the works shall be subject to inspection & test in addition to test certificate of all materials proposed to be incorporated in permanent works shall be submitted to the architect for approval before they are brought to the site.

6.1.3 Rejection

Any materials that have been not found to confirm to the specifications will be rejected forthwith & shall be removed from the site by the contractor at his own cost.

The architect shall have power to cause the contractors to purchase & use such material / s from any particular source / s as may in his opinion be necessary for the proper execution of the work.

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6.2 FINISH

Finishes shall be fully in accordance with the drawings & schedules and / or as per the directions of the architect.

6.3 SAMPLES

A sample of every item to be incorporated shall be submitted for approval of the architect before placing the order. Approved samples shall be used as standards of finish & workmanship.



TENDER DOCUMENT FOR ELECTRICAL WORKS AT STAFF TRAINING CENTER, RAEBERELI

PART-II

<u>Architect</u>

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INDEX

- 1. DETAILED SPECIFICATIONS, BOQ FOR ELECTRICAL WORKS
- 2. LIST OF APPROVED MATERIALS & MAKES OF ELECTRICAL ITEMS.
- 3. SCHEDULE OF TENDER DRAWINGS FOR ELECTRICAL WORKS

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BILL OF QUANTITY FOR ELECTRICAL WORKS AT STAFF TRAINING CENTRE FOR BARODA UTTAR PRADESH GRAMIN BANK, RAEBARELI

	FOR BARODA UTTAR PRADESH GRAMIN BA	ANK, RAEBA	KELI		
Notes: 1	The vendor shall visit the site and shall satisfy himself as to the conditions under which the work has to be carried out. He shall also check and ascertain the location of any strucuture or equipment or any other situation which may affect the working. <i>Incase of any doubt, the same should be got cleared from the Architect. No extra claim as a consequence of ignorance or on ground of insufficient description will be allowed at a later date.</i> The Bank reserves the right at its sole discretion to ask for further Clarifications from any vendor/s if deemed necessary. The decision of the bank shall be final & binding to the vendor.				
2	The items given in this BOQ are provisional. The vendor shall be paid for the actu the right to increase or decrease any of the quantities, or to ommit totally any item not be entertained.				
3	All rates should be inclusive of the cost of all materials, labour, T&P, without GST, scleaning the floor etc as & where & when required.	caffolding, shif	ting of furniture	e, carting away t	he debris and
4	FRLSH Copper stranded wires - Finolex/ Skytone/ RPG/ Havells or as approved by	Architect/ Bar	nk		
5	Armoured Cables - Skytone/ RPG/ Havells or as approved by Architect/ Bank				
6	MCB's, MCCB's, Switchgears & Distribution Boards - Siemens, ABB/ Hager				
S.No.	Particulars	Unit	Qty.	Rate	Amount
	A -Electrical wiring (Quote for all switches & sockets Modular type including				
	boxes & cover plate) - Anchor Roma/ Schnider/ Siemens/ Crabtree				
	FRLSH Copper stranded wires - Finolex/ Skytone/ RPG/ Havells or any other make as approved by Architect/ Bank				
	Armoured Cables - Skytone/ RPG/ Havells or any other make as approved by Architect/ Bank				
	MCB's, MCCB's, Switchgears & Distribution Boards - Siemens, ABB/ Hager				
	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 750mm interval & finally finishing the surface & matching the same with the existing surface. Item 1,3, 4 & 5				
	The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc				
1	Point Wiring for light, fan & exhaust fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3 x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator	Point	169		
2	6 A switch socket points on Sdb: S/F of 6A switch points with an additional indicator and 6Amp. modular Type switch & socket. It shall have 3 x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) stranded Cu. Wire as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	Doint	21		
3	Circuit Wiring (Light, fan, 6Amps Switch points): Supply & laying of circuit wiring for light, Fan & 6 Amp. Switch points with 3x 1.5sq.mm FRLS Cu stranded wires laid in 20mm conduit pipe concealed in wall/ floor/ panelling/ partitions or on the ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	m	515		
4	Circuit Wiring (Single 6/16Amps power Points): Supply & laying of circuit wiring for 6/16 Amp. Switch points with 2 x2.5 + 1x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) Cu stranded wires laid in 20mm conduit pipe concealed in wall/floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank. Total - 6 Ckts - 1 waiting, 2 Router, 2 Faculty room & 1 D/w	m	95		

	T	I		1	1
5	Circuit Wiring for twin 6/16Amps power Points: Supply & laying of circuit wiring for 6/16 Amp. Switch points with 2x 4.0 + 1x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) Cu strand ed wires laid in 20mm conduit pipe concealed in wall/floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank. 2nd PP to be inter looped with first PP with 2x1.5 + 1x1.5 sq.mm FRLSH Cu stranded wires. Total - 2 + 3 + 1 = 6Ckts Computer Lab - 2ckts - 1 Front+ 1 Rear, Dinning Room - 3ckts 1Front& RHS + 1	m	101		
	rear entrance, 1 Pantry, Class room 1ckt for 2 PP on front side				
6	Circuit Wiring for triple 6/16Amps power Points interlooped: Supply & laying of circuit wiring for 6/16 Amp. Switch points with 2x 4.0 + 1x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) Cu stranded wires laid in 20mm conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank. 2nd PP & 3rd PP to be inter looped with first PP with 2x1.5 + 1x1.5 sq.mm FRLSH Cu stranded wires.	m	69		
	Total - 2 + 1 = 3Ckts Computer Lab - 2ckts - 1 LHS & 1 RHS, Class room 1ckt for 3 PP on LHS, Rear & RHS				
7	Supply & fixing of 6/16 Amps. modular type switch & socket for power plug points complete with MS box & cover plate etc 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) & finally finishing the surface & matching the same with the existing surface. The job shall be complete & to the entire satisfaction of the Bank.	Each	27		
	D. Air. Conditioning				
	B - Air - Conditioning				
	Note: Computer 3nos. Cassette AC's shall be regulated thru 32A 2P MCB's in				
	<u>panel</u>				
1	Circuit wiring with 2x4.0+ 1x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) Cu stranded wires to be laid in 20mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions 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) & finally finishing the surface & matching the same with the existing surface. The job shall be complete with connection at both ends & to the entire satisfaction of the Bank.	m	271		
2	Supply & Fixing of Havells MCB protected power unit DBOXx type c/w 25A 2P MCB (Havells DHDUCDP0253016-25 2P) including proper connections or any equivalent approved by Architect. The job shall be complete & to the entire satisfaction of the Bank.	Each	13		
3	Circuit wiring with 2x4.0sq.mm + 1x 1.5sq.mm FRLSH stranded Cu. conductor (Finolex/Anchor/Skytone) to be laid in 20mm OD PVC/ flexible pipe heavy duty laid on floor & concealed in wall/ floor as per requirement from 4Way TPN Db for <u>AC to various voltage stabilizers</u> . The job includes making connections at both ends with proper size of lugs to the entire satisfaction of the Bank.	m	36		
4	GF AC 4way VTPN distribution Db suitable for MCB as incomer - For Air conditioning - Location Rear wall behind counters- Siemens 8GB0404VRC or Equivalent Hager/ ABB	Each	1		
	63 Amp 3P - MCB 10kA Siemens/ Hagers/ MDS/ ABB				
	9nos. 32A 1P-MCBs 10kA for AC's excluding Manager AC				
	Blanking Plates - 7nos. (1AC dinning room, AC class, 1AC waiting &1AC faculty room thru TPN Db's)				
5	S/ laying of XLPE insulated armoured Copper Conductor cable including cost of lugs, cable glands for AC VTPN Db Skytone/ Havells		_		
	4c x 10sq.mm for VTPN Db	m	8		
	0/5 (101 00 100 1 0 0 00 10 10 10 10 10 10 10	ļ <u></u>			
6	S/F of 40A 2P MCB in 2 way SPN Db near OD units of 2 TR cassette AC's.	Each	3		
<u> </u>	000 - 1000				
7	S/Laying of armoured 3c 4sq.mm Cable from Panel to Out door units regulating MCB C - UPS	m	86		
.	<u> </u>	ļ	ļ	Į	Į

1	S/laying of 4 core 6sq.mm XLPE insulated armoured Copper conductor cable from main Panel to 4way TPN Db in the UPS room to be laid in heavy duty 25mm PVC conduit/ pipe & run on surface or concealed in wall/ floor/ flase ceiling including connections at both ends with lugs.	m	29		
2	Supply & Fixing of 4 way HTPN Db single door IP 20 (Siemens 8GB32201RC04) complete with 63A 3P MCB as incomer & 2 x 63A 2P MCB as outgoing for branch MCB complete in all respects to the entire satisfaction of the Architect/ bank.		1		
3	Supply & laying of incoming & outgoing wiring to & from UPS with 2x 4 + 1x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) stranded Cu. wire conductor to be laid in 20/25 mm flexible PVC pipe heavy duty to UPS incoming & from UPS outgoing.	m	8		
4	UPS Output Db in UPS Room - S/F of 8way SPN Db metallic IP -20 c/w 63A 2P MCB and 40A 2P MCB for computer lab & 32A 2P MCB for faculty & class room as oiutgoing feeders including proper connections thru lugs. The job shall be complete & to the entire satisfaction of the Bank.		1		
5	UPS Output Distribution Boards Computer Lab UPS distribution Db - Location on RHS wall near pillar - S/ F of 16way SPN Db Double door IP-43 Siemens make with 40A 2P 10kA MCB and 12nos. 6A 1P 10kA MCB's complete in all respect and as required & to the satisfaction of the bank. Siemens/ L&T/ MDS/ Schnider	Set	1		
	Faculty room UPS distribution Db - Location on LHS wall in Faculty room - S/ F of 8way SPN Db Double door IP-43 Siemens make with 32A 2P 10kA MCB and 3nos. 6A 1P 10kA MCB's complete in all respect and as required & to the satisfaction of the bank. Siemens/ L&T/ MDS/ Schnider	Set	1		
6	Input Wiring for UPS Db from UPS room at FF with 2*4.0+ 1*1.5sq.mm stranded Cu. conductor (Finolex /Anchor /Skytone) to be laid in 20mm OD PVC pipe medium duty conduit pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. 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.	m	41		
7	Wiring for computer terminal points with 3 x 1.5sq.mm Fire Resistant Low Smoke Halogen stranded Cu.wires to be laid in 20mm OD PVC conduit or 1" vertical drops heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirementFrom UPS - SPN Db - circuits for computer stations		187		
8	Nodes - Supply & fixing of 3nos. 6A switches 1 module & 3nos. sockets 2modules Modular type complete with GI Box, Cover plate etc. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor/panelling/partitions (Without damaging the building/wall) & finally finishing the surface & matching the same with the existing surface. The job shall be complete & to the entire satisfaction of the Bank.	Nos.	16		
				ļ	
	D - DISTRIBUTION MAINS				
1	S/F of 3 nos.200Amp 415V Kit kats with extension strip rewirable Porcelain fuse carrier & base Havell IHKKRT4200 c/w 5 hole heavy duty terminals with shroud & cover including making of connection from electronic meter c/w wooden board etc.	Set	1		
2	Main Incoming Panel			 	
	Supply, Installation, Testing & Commissioning of main distribution board panel fabricated of 18swg (powder coated) comprising of	Each	1		
	Indicator lamps 3 nos.				
	Voltmeter & ammeter(one each)				
-	Rotary selector switches 2 nos for voltmeter & ammeter Busbar 2nos (each of RYB +N) copper 100 amp each				
	Incomer - 125A 3P MCCB adjustable 25kA				
	125A 4P Changeover - Socomac/ Havells IHCNFO0125				
	Outgoing AC hus				
<u> </u>	From AC bus		L	<u> </u>	

				1	1
	63A 3P MCB - 1nos For AC to be directly tapped from main bus bar & should not				
	be put on DG supply				
	32A 2P MCB's - 4nos. For 3nos. AC's in Computer Lab + 1 spare				
	From Main Bus				
	63A 3P MCB's - 4nos 3nos. VTPN Db's & 1 spare				
	63A 3P MCB - 1no for UPS				
	32Amp 2P MCB's - 3nos. for signage & Fire alarm system and 1 spare				
	Earth bus bar 25x5mm GI strip - 2nos. At the bottom.				
	All MCCB's & MCB shall be of Siemens/ Hagers/ ABB/ Schnider/ MDS				
	The state of the s				
3	S/ laying of XLPE insulated armoured Copper Conductor cables including cost of				
	lugs, cable glands etc. The cable should be laid on surface with proper clamps				
	@750mm or laid & concealed in wall/ floor/ PVC Conduit/ false ceiling complete in				
	all respect. The work also includes cutting chases for conduits in the wall/ floor				
	(Without damaging the building) along with clamping the cable. All connection shall				
	be done thru proper size of lugs				
	3.5c 25sq.mm for Pole & fuse Kit Kats	Metre	23		
	4c x 10sq.mm for VTPN Db's (2GF + 1FF)	Metre	45		
4	Lab Db - Supply, installtion, testing & commissioning of 4way VTPN Db Double				
	door IP 42 complete in all respects for AC, PP & LF as under -Siemens	Each	1		
	8GB0404VRC or equivalent as approved by Architect - Location RHS wall front		-		
	side Computer Lab				
	Incomer - 63A 3P MCB 10kA neutral to be connected to neutral bus				
	2no. 25A 1P-MCBs 10 KA - Triple PP ckt - 3pp/ckt - 2ckt for 3 officers on LHS &				
	RHS in cpmuter Lab				
	2no. 20A 1P-MCBs 10 KA - Twin PP ckt - 2pp/ckt - 2ckt for 2 officers on front &				
	rear comupter lab 2no. 16A 1P-MCBs 10 KA - for single PP - 2 for router				
	2nos. 10A 1P-MCBs 10 KA - 10I siligie PP - 2 10I Toutei				
	2nos. 6A 1P-MCBs 10 KA for L & F				
	Blanking Plates - 2nos.				
	All connection shall be done thru proper size of lugs				
	7 til Commedian Shain Se done tilla proper dize or lago				
5	Dinning + Waiting Db - Supply, installtion, testing & commissioning of 6way VTPN				
	Db Double door IP 42 complete in all respects for AC, PP & LF as under -Siemens				
	8GB0406VRC or equivalent as approved by Architect - Location RHS wall in	Each	1		
	Dinning room				
	Incomer - 63A 3P MCB 10kA neutral to be connected to neutral bus				
	2no. 32A 1P MCBs 10KA -1.5TR AC - For one AC each in Waiting & Dinning				
	3no. 20A 1P-MCBs 10 KA - Twin PP ckt - 2pp/ckt - 2ckt for 4 PP in Dinning + 1 in				
	Pantry				
	1no. 16A 1P-MCBs 10 KA - for single PP - for reception in waiting				
	6nos. 10A 1P-MCBs 10 KA for L & F				
	5nos. 6A 1P-MCBs 10 KA for L & F				
	Blanking Plates - 1nos.				
	All connection shall be done thru proper size of lugs				
•					
6	Rear Class & Faculty room Db - Supply, installtion, testing & commissioning of				
	6way VTPN Db Double door IP 42 complete in all respects for AC, PP & LF as	Each	1		
	under -Siemens 8GB0406VRC or equivalent as approved by Architect - Location				
	Rear wall in Faculty room Incomer - 63A 3P - MCB 10kA neutral to be connected to neutral bus				
	2no. 32A 1P MCBs 10KA -1.5TR AC - For one AC each in Faculty & Class room				
	IZIIU. 32A IF IVIODS TUNA-1.31K AC-FUI UIIE AC EACH IN FACUILY & CIASS FOOM				
	4no. 16A 1P-MCBs 10 KA - for single PP - for D/w, 1 for Class room & 2 for				
	Faculty				
	5nos. 10A 1P-MCBs 10 KA for L & F			+	
	4nos. 6A 1P-MCBs 10 KA for L & F				
	miss. S. Ti moss to to to to to a				
	DL L' DL L				
	Blanking Plates - 3nos.				
	All connection shall be done thru proper size of lugs				
-	Clay sign Poord. Circuit wiring with 0x0 Fee man 1 4x 4 Fee man 4 4 5				
7	Glow sign Board - Circuit wiring with 2x2.5sq.mm + 1x 1.5sq.mm stranded Cu.				
	conductor (Finolex/Anchor/Skytone) to be laid in 20 mm PVC pipe heavy duty laid				
	& concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rates should include the cost of all materials, labour, T&P, taxes	m	12		
	& levies, scaffolding, shifting of furniture, carting away the debris and cleaning the	m	14		
	floor etc. The job shall be complete & to the entire satisfaction of the Bank.				
	nicor sto. The job shall be complete a to the entire satisfaction of the bank.				
				+	
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	E DO CET CUIDDLY				ı
<u> </u>	E-DG SET SUPPLY			-	
1	S/laying of 3.5c x 25sq.mm XLPE insulated armoured Copper Conductor cable				
	from proposed DG set to Changeover switch including its connections at both ends	m	13		
	with lugs to be laid in 25mm dia rigid PVC /flexible conduit				
	F- EARTHING				
1	S/burying of Dual pipe technology (Pipe in Pipe) earthing electrode having GI				
	80mm O/D pipe with 25 micron coating, 3metres long. The space between two				
	pipes to be filled with Highly conducive & Non corrosive chemical compound. The				
	installation shall be thru earth auger. The vacant space between pipe & hole shall				
	also be filled with compound all around. The job also includes S/F of GI strip clamp				
	with two holes (with SS/GI bolts & nuts) on the electrode & taking two earthing				
	leads of 4mm dia copper wire (Assumed length of 10m - beyond 10m to be paid	Job	2		
	extra) upto Main panel complete in all respects with guaranteed E/N voltage of	300	2		
	less than 2 volts and resistance less tahn 1 ohms. The 4mm dia Copper earth wire				
	shall be terminated on a separate 6way earthlink. The connections for Panel				
	earthing & earth bus in the panel should be taken from this earthlink. (1for power				
	system &1 for UPS). The distance between two earthing pits to be 10ft or more.				
	system & Flor OF 3). The distance between two earthing pits to be foll of more.				
2	Supply & Fixing of 2 leads of 4mm dia Cu. wire on surface or in recess for loop				
I	earthing as required earthing to Db's or main panel.if required beyond 10m	m	32		
3	S/F of G I Strip earth clamp	Each	1		
	G - SUPPLY & FIXING ITEMS				
1	S/F of Energy efficient recessed mounted LED luminaire - 36w suitable for 2' x 2'				
-	grid recessed mounted - 6500K - 220- 240V 50Hz - Crompton Greaves/ Philips/				
	Panasonic/ GE/ Bajaj or any other make approved by Bank/ architect - Crompton	Each	61		
	Greaves Polaris I - LCTLRN-36/ Panasonic - PBLM 01367	Lacii	01		
	Gleaves Foldits 1 - LCTERN-30/ Fallasoffic - FDLIVI 0130/				
	C/C of recessed LCD downlinkton. Decessed recorded LCD down linkton complete				
2	S/F of recessed LED downlighter - Recessed mounted LED down lights complete				
	in all respects make as approved by Bank/ architect- Crompton Greaves LSDRN-	Each	46		
	24-CDL/WW or equivalent Philips/ Panasonic				
3	S/F of suspended type Industrial Box type Luminaire IGP132LT8-16 suitable for				
	twin T8 LED Tube complete with 2nos. T5 LED Tubelight (LT5RT1-18-CDL) with	Each	0		
	PC complete in all respects Crompton/ Philips/ Panasonic make				
4	Extra for fixing of Tube fitting as pendent with two nos. 19mm dia 16swg rigid steel				
•	conduit double check nuts spring loaded flanges or MS hook fabrictaed from				
	25x3mm flat iron duly grouted in the ceiling upto 3.5m height including painting with	Гааһ	0		
		Each	0		
	synthetic enamel paint along with supply of all materials, labour, T & P etc. as				
	required for proper completion of work				
5	S/F of Surface & wall mounted LED batten - Ultra-slim poly carbonate decorative				
	LED batten with inbuilt heat sink, anti glare polycarbonate diffuser & energy				
	efficient electronic driver 20W 1800 lumens - any make approved by Bank/	Each	16		
	Architect - Panasonic LED Batten light ABT 019206 or equivalent Philips/		.0		
	Crompton Greaves				
 	Orompton Gicaves			-	
	C/F of 7/0 Mott 6000/6500 K / >400/mages LFD 0 miles / December L			-	
6	S/F of 7/8 Watt 6000/6500 K,(≥480lumens) LED Surface /Recessed mounted	Each	5		
	Down Lighting Fixtures with fixing accessories. For toilets				
7	S/F of metal/ steel body wall mounted fan 450mm sweep - Sturdy & heavy duty				
	Aluminium Blades, 120 spokes Nickel Chrome plated guard - Havells V3 model or	Each	33		
	equivalent Bajaj / Crompton/ Alstom/ Usha				
8	S/F of energy svaing/ efficient ceiling fan 1200mm sweep double ball bearing type -	· · · · · · · · · · · · · · · · · · ·	·		
	Havells ES -50 Premium 5 star or Equivalent c/w Electronic modular regulator or	Each	6		
	any make as approved by Bank/ architect				
	- /				
9	Supply & Fixing of metallic fresh air fan 230mm sweep - Havells venti Air DSP				
9	metallic range model or equivalent	Each	2		
1	metanic range model of equivalent			+	
				-	
	H - Telephone system				

A 11	rates are excluding G.S.T.			
	GRAND TOTAL FOR ELECTRICAL & DATA CABLING GRAND TOTAL(In words)			
	Total for Data/ LAN Cabling			
	Supply & fixing of 1U PVC cable Manager with cover	Each	1	
	9/12U, 19", 450mmD x300mmW closed wall mount MS 18/20swg powder coated rack with glass door opening in the front with power panel, cable manager & lock & key (Universal make)	Each	1	
	Switch 24 Port - D Link/ systimex	Each	1	
	Patchmax Panel # 24 Ports - Supply & fixing of 24 Port Cat 6e Patch Panel/ Jack panel D - Link/ systimex fully loaded in the rack to be provided by purchaser complete in all respect to the entire satisfaction of the Bank.	Each	1	
	Supply & fixing of 3ft Grey colour Patch chord Giga speed Systimax/ D link make	Each	16	
		Each	16	
	Supply & fixing of 7ft Grey colour Patch chord Giga speed Systimax/ D link make	Fach	10	
	Supply & Fixing of XL RJ 45 toolless information outlet Grey colour cat 6e Giga speed Systimax/ D link make including interconnection with connectors (cost to be borne by contractor) as required complete in all respects.	Each	16	
	Supply & laying of CAT - 6e cables Giga speed D-Link/ Systimex make through pre- laid rigid PVC conduit as directed by the consultant from Server to Switch, Switch to computer data socket including interconnection mending good etc. as required complete in all respects.	m	292	
	Supplying & laying of 25mm dia heavy duty rigid PVC conduit (BIS marked) complete with junction box, circular box, elbows, bends & other accessories as required by chase cutting on wall, through partition or over false ceiling. The work includes making good all damages to original finish, painting etc. as required.	m	152	
	Total Cost of Electrical works DATA CABLING			
	MDS Box	Each	1	
	10 Pair Krone box	Each	1	
	single with shutter outlet (RJ-11) with mounting box & front plate complete with chase cutting, mending good etc. as required includinhg Supply & laying of 2 pair unarmoured 0.61mm dia. PVC insulated twisted pairs bunched together telephone cables through rigid 20mm dia PVC conduit as directed by the Bank/ Architect from telephone junction box to telephone socket outlet including interconnection mending good etc. as required complete in all respects.	Each	7	
	Supply & fixing on wall/ furniture/ partition recessed type modular telephone jack			

BARODA UP GRAMIN BANK

LIST OF MATERIALS OF APPROVED BRAND AND/OR MANUFACTURER

- 1. The contractor shall use materials in their work subject to inspection, prior to dispatch, by Owner or his authorized representative of any materials not otherwise specified, shall be in accordance with the following list. All materials not otherwise specified shall be in accordance with the latest Indian Standard Specifications, where such exists with prior approval of Owner /Architects. The contractor shall be bound to offer sample of materials, which are claimed to be conforming to I.S Specification, for testing at an approved testing laboratory.
- Contactor shall purchase all materials from the makers or their authorized stockist only. Necessary documentary evidences must be produced to the Owner or their authorized representative on demand.
- 3. Contractor shall be bound to supply items or any make of the items as per the choice of the Owner/ Architects.

A ELECTRICAL WORK

S.No	Description	Approved Brand/ Manufacturer
1.	МССВ	MDS legrands, ABB, GE, SIEMENS As per Specification
2.	Changeover	Indo Asian/ HPL Socomec / GE/ Standard stangaurd As per Specification
3.	Distribution board	MDS / Standard / Indo Asian / HPL As per Specification
4.	MCB	MDS / Standard / Indo Asian / HPL As per Specification
5.	Cable	Gloster / Rallison / Incab / CCI As per Specification
6.	Copper wire	Rallison / Finolex / Polycab / R.R.Cable As per Specification
7.	Switch / Socket / Call bell and accessories	Anchor / Havells / CPL / MDS / Philips / Simon As per Specification
8.	Electrical Light Fittings / Fixtures Complete	Led Crompton / Panasonic
9.	Wall Fan / Ceiling Fan / Exhaust Fan	Celling Fan= Bajaj, Crompton , Wall Mounded Fan = Cormpton /Alstrom (Metalic Body)

NOTE: In case any make is mentioned in bill of quantity, it will take precedence over those given in the given in the "Acceptable Makes of Materials" above.

The choice of make at a specific site will have to be consent with the project architect.



