

Tender No. HO/A&S/441/2024-25

Dated. 12.09.2024



ARYAVART BANK,
HEAD OFFICE, LUCKNOW, UTTAR PRADESH.

Inviting Tender for Air Conditioning Work at Aryavart Bank, NBCC Commercial Complex, Gomti Nagar Extension, Lucknow

Last Date & time for Submission of Bid : 05.10.2024 (02.00 PM)

AT

Head Office A-2/46, Vijay Khand, Gomti Nagar, Lucknow-226010

Architects

Point Architects Pvt. Ltd.,
Ground Floor, Royal Court,
4/45, Wazir Hasan Road,
Lucknow - 226 001
Uttar Pradesh

Telephone No. - 0522 - 4073807



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1.0 NOTICE INVITING TENDER

Tender Reference number (RFP)	HO/A&S/441/2024-25 Dated 12.09.2024
Tender Fee	Rs. 5,000/- * (Non Refundable) in the form of Demand Draft or Pay order Payable to Aryavart Bank , Lucknow or Payment through NEFT at following A/c- 999990200000034 IFSC-BKID0ARYAGB, Gomti Nagar Branch, Aryavart Bank Lucknow
Date of commencement of issue of Tender document	12.09.2024
Last date for receiving queries	24.09.2024 up to 02:00 PM
Pre-bid meeting at bank's Head Office at A-2/46, Vijay Khand, Gomti Nagar, Lucknow-226010	25.09.2024 at 03:00 PM
Earnest Money Deposit	Rs. 1,00,000/- (Refundable) in the form of Demand Draft or Pay order Payable to Aryavart Bank , Lucknow or Payment through NEFT at following A/c- 999990200000034 IFSC-BKID0ARYAGB, Gomti Nagar Branch, Aryavart Bank Lucknow
Last Date and Time for submission of bids	05.10.2024 up to 02.00 PM
Opening of Technical Bids	05.10.2024 at 03:30 PM at Bank's Head Office (subject to availability of Tender Committee members)
Place of Opening Technical Bid	Aryavart Bank Head Office: A-2/46, Vijay Khand, Gomti Nagar, Lucknow 226 010.
Address of Communication	As above
Contact Telephone Numbers	Phone :7388899765, 7017805214,9690347783
Email Id	ho.ans@aryavartbank-rrb.com
Website	www.aryavart-rrb.com
Architect	Point Architects Pvt. Ltd.,Ground Floor, Royal Court, 4 / 45, Wazir Hasan Road, Lucknow - 226 001.
Estimated Project Cost	Rs. 99,00,000.00



To -

Dear Sir,

Subject – Air Conditioning Works for Aryavart Bank at Head Office, Lucknow.

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 www.aryavart-rrb.com

Sealed bids in two envelop system (part A technical bid, part B financial bid) along with tender fee, earnest money deposit in the form of demand draft in favour of General Manager, Aryavart Bank, Lucknow, be submitted in a sealed cover & super scribed **TENDER FOR AIR CONDITIONING WORKS FOR ARYAVART BANK AT HEAD OFFICE, LUCKNOW.**

Tenders will be received on or before 05.10.2024 up to 02:00 PM and the technical bid shall be opened first to assess the technical soundness of the firm on 05.10.2024 at 03.30PM.

The financial bid will be opened for those firms only whose technical bid qualifies the technical evaluation criteria of the bank. Any tender received thereafter will not be accepted.

The General Manager, Aryavart 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 ninety days from the date of opening of tender.

(Seal & Signature of Aryavart Bank)

(Seal & Signature of contractor)



BASIC INFORMATION

1	Name of the Applicant / Organization			
	Address of the Registered Office (with phone numbers, e-mail ID & cell phone number)			
	Address of Office at Lucknow (with phone numbers, fax 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 evidence)	Year of Registration.	Class	Valid Up to
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 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. CA certificate required.	1. 2021-22- 2. 2022-23- 3. 2023-24-		



10	Name & Address of Bankers	1. 2. 3.
11	Enclose copy of latest income tax clearance certificate	
12	PAN Number	
13	Details of registration for payment of service tax	
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 organization, 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 contracts executed / being executed during the last 10 years. If yes, please furnish the name of the project, Bank, nature of work, contract value, work order and brief details of litigation. Give name of court, place, status of pending litigation.	Attach a separate sheet, if required.
19	Information relating to whether any litigation is 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.	



Signature & seal of the Applicant

2.0 INSTRUCTION TO BIDDERS

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- 2.2 ELIGIBLE BIDDERS
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2.1 SCOPE OF BID

- 2.1.1 The General Manager, Aryavart Bank, Lucknow, Uttar Pradesh invites bids for Air Conditioning 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 The invitation to bid is open to all bidders within Union of India.
- 2.2.2 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 the Head Office Aryavart Bank, Lucknow 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 -
- 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.
 - Total monetary value of construction work performed for each of the last five years.
 - Experience in works of a similar nature & size for each of the last five years.
 - Qualifications & experience of key site management & technical personnel proposed for the contract.
 - Reports on the financial standing of the bidder, such as profit & loss statements & auditor's reports for the past five years.
 - Evidence of adequacy of working capital for this contract.
 - 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, G.S.T. & service tax authorities).
 - 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).
 - Income tax permanent account of the bidder.
 - Income tax clearance certificate for the current financial year.
 - G.S.T. Registration no.
 - 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 following:

(a) **Requirement for Work Orders:** Experience of having successfully completed similar works during last 5 years ending last day of month previous to the one in which applications are invited should be:

1. Minimum Work Order Value:

- Bidders must submit work order not more than 6 in number (during last 5 year) related to air conditioning work, with a combined value of Rs. 90.00 Lakh or more.

2. Work Order Details:

- Each of the submitted work orders must pertain specifically to air conditioning work for PSB/PSU/Government entity.

3. Mixed Work Orders:

- If any work order includes additional types of work beyond air conditioning, the value attributed to air conditioning work within that order should be proportionally calculated. For instance, if a work order includes both air conditioning and other types of work, only the portion related to air conditioning will count towards the Rs. 90.00 Lakh requirement.



4. Documentation:

- Bidders should provide clear documentation for each work order to demonstrate that the work performed meets the specified requirements and that the air conditioning work can be distinctly identified and quantified.

**** Similar work means Air Conditioning Work for PSB/PSU/Government entities.**

- (b) Annual average turnover of last three financial years (in all classes of Air Conditioning Work only) should be minimum **Rs. 3.0 Crore & must be** supported by audited balance sheets along with CA Certificate of the same.
- (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 Tender fee is Rs. 5000/-, the application without tender fee shall be summarily rejected.
- 2.5.2 The bidder shall bear all costs associated with the preparation & submission of his bid, & the Bank 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 Bank in writing with in predefined time or by cable (hereinafter "cable" included telex, facsimile, e-mail, hybrid mail, telegram) at the Bank's address indicated in the invitation bid. The Bank 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 Bank'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 Bank may modify the bidding documents by issuing addenda in Bank's website, www.aryavart-rrb.com.
- 2.8.2 Any addendum thus issued shall be part of the bidding documents & shall be communicated in writing through Bank website or by cable to all purchasers of the bidding documents. Prospective bidders shall acknowledge receipt of each addendum by cable to the Bank. For this purpose it is mandatory for all prospective bidders to furnish a mob 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 Bank shall extend as he thinks if necessary the deadline for submission of the bids. The discretion to do so & the time to be extended would be the privilege of the Bank.

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 Bank 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 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 one hundred eighty days after the deadline date for the bid submission. A bid valid for shorter period shall be rejected by the Bank as non-responsive.
- 2.11.2 In exceptional circumstances, prior to expiry of the original time limit, the Bank 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 after submission of Security Deposit which is Rs. 4.0 Lakh.

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 Bank, 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 Bank at the following address:
General Manager,
Aryavart Bank, Head Office,
A-2/46, Vijay Khand, Gomti Nagar,
Lucknow.
Uttar Pradesh.
- 2.14.3 The top of the envelope shall have clearly written in block letter the following -
"BID FOR AIR CONDITIONING WORKS OF ARYAVART BANK, HEAD OFFICE, LUCKNOW."
- 2.14. The lower left hand corner of the envelope, the name & address of the bidder along with the telephone no. / s & fax. no./s should be inscribed.
- 2.14.5 If the outer envelope is not sealed & marked as in 2.14.1, the Bank 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 Bank at the address specified above no later than 02.00 PM on **05.10.2024**.
In the event of the specified date for the submission of the bids is declared as a holiday by the Bank's organization, the bids will be received up to the appointed time on the next working day.
- 2.15.2 The Bank may extend the deadline for submission of bids by issuing an amendment in which case all rights & obligations of the Bank & 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 & mob nos. are in record with the Bank will be intimated by cable 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 & mob no. with the Bank at the time of collection of the bid document shall have no right to 2.15.3 & cannot hold the Bank responsible for any damages whether direct or indirect.

2.16 LATE BIDS

2.16.1 Any bid received by the Bank 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 "WITHDRAWAL" 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 Bank will open the bids, including the modifications in the presence on the bidders or their authorized representative / s who chose to attend at 3:30 PM on 05.10.2024 & place specified in the bid document. In the event of the specified date of the bid opening being declared a holiday by the Bank's organization, 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 Bank may consider appropriate, will be announced by the Bank 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 Bank'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 Bank 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 Bank 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 Bank 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 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 building 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 Bank'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 Bank, & 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 Bank for any arithmetic errors. Errors will be corrected by the Bank 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 Bank 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 Bank 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 Bank 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 Bank 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 Bank shall not be taken into account in bid evaluation.

2.24 AWARD CRITERIA

- 2.24.1 Subject to clause 2.25, the Bank 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.

Note: 1. In case of Tie breaker between two or more bidder, bidder having highest turnover will get preference.

2. MSME bidders with valid certifications may receive preferences according to government guidelines

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

- 2.25.1 Notwithstanding clause 2.24, the Bank 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 Bank'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 Bank prior to expiration of the bid validity period by cable confirmed by registered letter. The letter



(hereinafter & in the conditions of contract called the "letter of acceptance") will state the sum that the Bank 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 to submission of security deposit in the form of FDR in accordance with the provisions of clause 2.30.
- 2.26.3 The agreement will incorporate all agreements between the Bank & the successful bidder. It will be signed by the Bank & 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 Bank.
- 2.26.4 If the successful bidder fails to do so, the Bank 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 Bank reserves the right to award the contract to the next lowest bidder (If CVC permits) 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 submission of the security deposit by the successful bidder, the Bank will promptly notify the other bidders that their bids have been unsuccessful.

2.27 DEFECTS LIABILITY PERIOD

- 2.27.1 Six months from the date of completion of work.

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.

2.30 Security Deposit

- 2.30.1 Successful firm/bidder is required to submit the Demand Draft/FDR of Rs. 4,00,000/- in favor of Aryavart Bank as Security Deposit before receipt of letter of intent.**



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

To -

General Manager,
Aryavart Bank, Head Office,
A-2/46, Vijay Khand, Gomti Nagar,
Lucknow.
Uttar Pradesh.

Subject - Tender for Air Conditioning Works of Aryavart Bank at Head Office, Lucknow.

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 defects liability period.
 - (b) E.M.D. : We deposit herewith E.M.D. of Rs. (as specified) by D.D. _____ favoring General Manager, Aryavart Bank, payable at Lucknow.
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.....2024.

Name in block letters -

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 BANK'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 LABOUR REGULATIONS
- 4.19 SECURITY
- 4.20 ESCALATION OF MATERIALS COST
- 4.21 EXTRAS & VARIATIONS
- 4.22 WITHHOLDING OF PAYMENTS
- 4.23 CORRECTION OF WORK BEFORE VIRTUAL COMPLETION OF WORK
- 4.24 DEFECTS
- 4.25 METHODS OF MEASUREMENT
- 4.26 DISMISSAL OF CONTRACTOR'S EMPLOYEES
- 4.27 TERMINATION OF THE CONTRACT BY THE OWNER
- 4.28 JURISDICTION
- 4.29 TESTS & CERTIFICATES
- 4.30 CLEANING THE SITE
- 4.31 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 Bank & 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 Bank.
- 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 Bank.
- 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 Bank is the party who will employ the contractor to carry out the works. In this case it will be -
The General Manager,
Aryavart Bank, Head Office,
A-2/46, Vijay Khand, Gomti Nagar,
Lucknow.
Uttar Pradesh.
- 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 -
Point Architects Pvt. Ltd.,
Ground Floor, Royal Court,
4 / 45, Wazir Hasan Road,
Lucknow - 226 001.
- 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 Bank'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:
NBCC Complex Gomti Nagar Extension, Aryavart Bank Head Office, Lucknow.
- 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 BANK'S RISK

- 4.2.1 The Bank is responsible for the accepted risks which are -
- (a) In so far as they directly affect the execution of the work in the Bank'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/personnel 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 Bank. 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 Bank 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 Bank 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 **45 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 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.

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 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.

4.19 SECURITY

It will be responsibility of the contractor only.

4.20 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.

4.21 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 organization, 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.

4.22 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 equipment's.
- (c) A reasonable doubt that the contract can be completed for the balance unpaid amount. Damage of works of another contractor or sub-contractor.

4.23 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.



4.24 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.

4.25 DEFECTS

4.25.1 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.

4.25.2 Any defects noticed & brought to the attention of the contractor shall be promptly attended to by the contractor expeditiously.

4.25.3 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.

4.26 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.

4.27 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.

4.28 TERMINATION OF THE CONTRACT BY THE OWNER

If the contractor should persistently or repeatedly refuse to carry on 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.

4.29 JURISDICTION

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



4.30 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 of workmanship of any structure, material or component, the contractor shall re perform as per the specifications?

4.31 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 construction.

4.32 OPERATIONAL CONSTRAIN

This is a relocation branch & the space is freely available during period of execution.

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

1	Possession of Site	Immediate
2	Time of Completion	45 days from the date of handing over the site
3	Payment Schedule	No advance payment will be made. Only one interim payment can be made on running bills before the final bill. The interim payment may be processed after the completion of 60% of the work.
4	Retention Money	5% (five percent only) of the value of the total bills.
5	Period for Submitting Final Bills	Within 30 days of virtual completion of work.
6	Release of Retention Money	(a) 0% of the retention amount within 15 days of virtual completion. (b) Balance after 6 months from the date of virtual completion certificate and after discharge of defects liability.
7	Defects Liability	6 months from the date of completion.
8	Estimated Cost of Work	As per Section 1.
9	Income Tax & Other Taxes	Will be deducted as per the prevailing income tax, works contract tax, etc. laws.
10	Rates	Rates are inclusive of all taxes such as sales tax (state & central), trade tax, works contract tax, etc., except G.S.T. & state development tax, if asked for in the quotation. The contractor is expected to fill up the rate/amount of taxes in their bid, specifically in the given location. It should not be stated ambiguously as "taxes extra" at the end of the total tendered amount. The bank shall not be liable to pay any tax that is not specifically quoted or is ambiguous.



APPROVED MAKES FOR AIR CONDITIONING WORKS.

AIR CONDITIONING

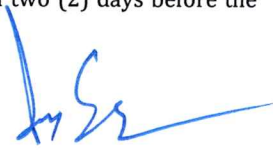
- | | |
|----------------------------|---------------------------|
| • Wires (Copper/Aluminium) | Finolex/Polycab//Skyline. |
| • M.S. conduit | BEC/Steel Kraft/AKG. |
| • P.V.C. conduit | BEC/AKG/Diplast/Cap. |
| • Switches & sockets | MK India/North West. |
| • A/C box | L&T hager/MDS/ Siemens. |



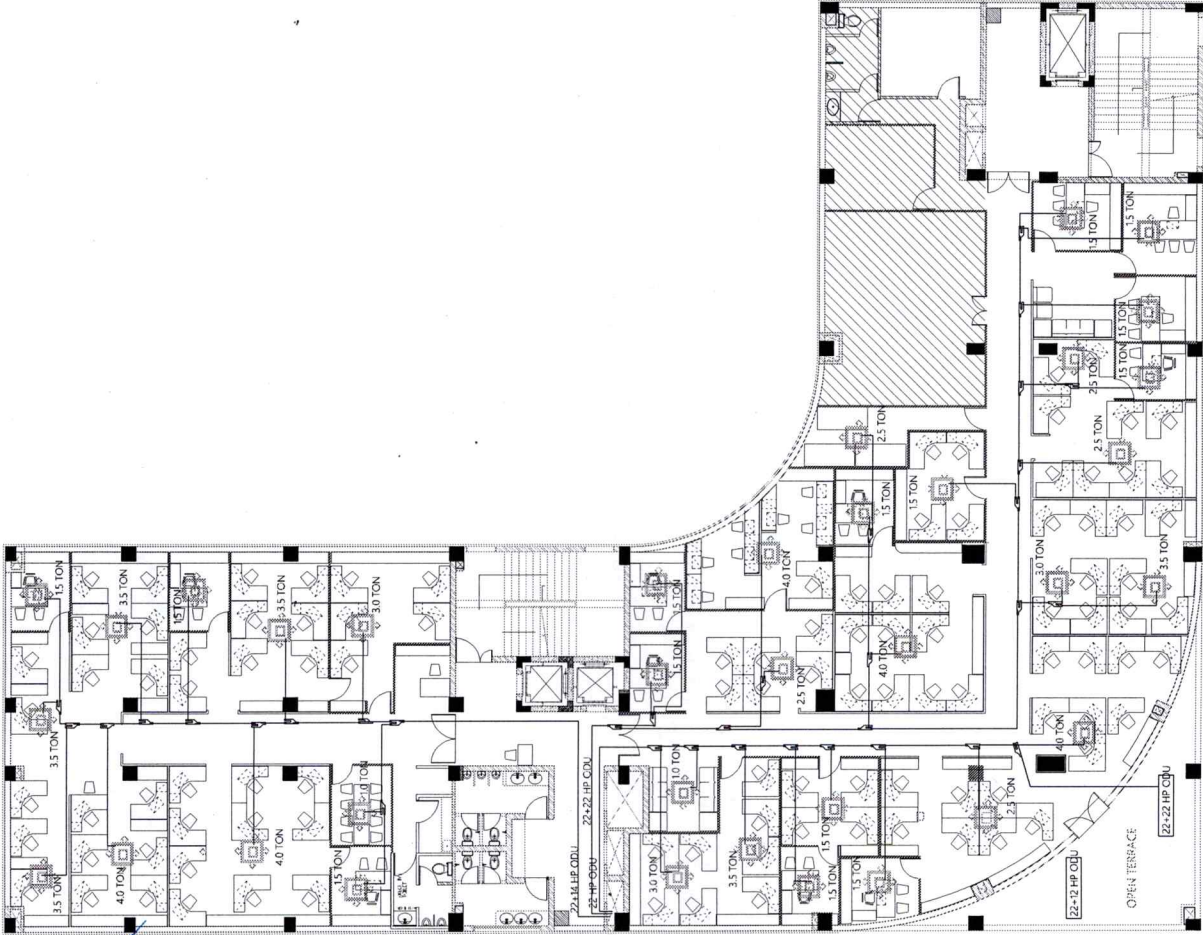
SCHEDULE OF TENDER DRAWINGS FOR AIR CONDITIONING WORKS

S.NO.	DRAWING NO.	TITLE OF DRAWING
1.	01	AIR CONDITIONING LAYOUT PLAN

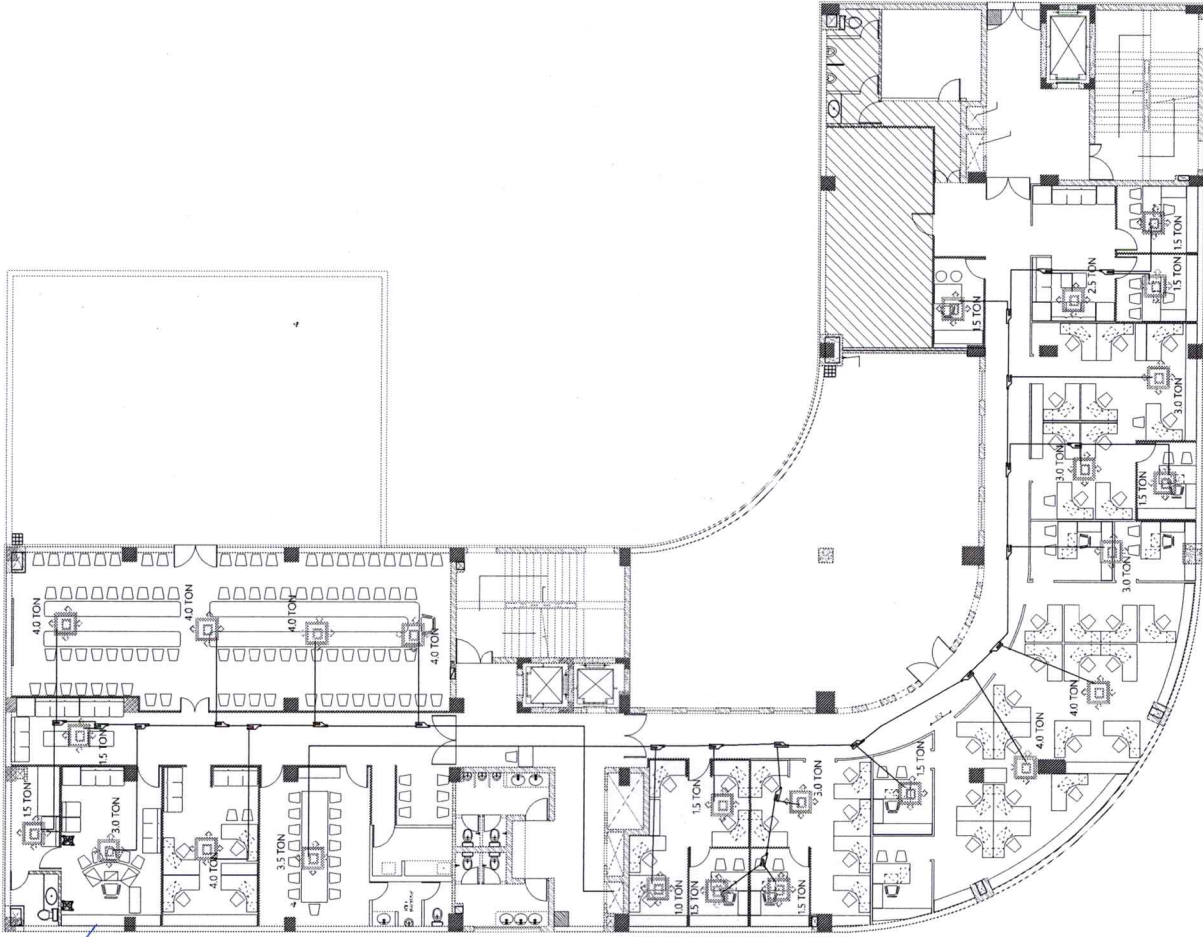
- Any clarification (in writing) whatsoever shall be sought from the Architect, minimum two (2) days before the tender submission date.



(P. V. Sahai)
Chief Manager



SECOND FLOOR PLAN		DRAWING TITLE		PROJECT	
PROPOSED FURNISHING & ELECTRICAL WORKS		PROPOSED A.C. LAYOUT PLAN		ARKAVART BANK	
BANK		DRAWN BY		OFFICE	
ARKAVART BANK		AT/PE		: HEAD OFFICE	
OFFICE		DRAWING NO.		ZONE	
: HEAD OFFICE		DT.		: LUCKNOW	
ZONE		SCALE		ARCHITECT	
: LUCKNOW		1/8" = 1' 0"		POINT ARCHITECTS PVT. LTD.	
		AUG 24		4/2, WING FOR ROYAL COLLEGE,	
		1/8" = 1' 0"		LUCKNOW.	
				PH. NO. 022-4972807	



THIRD FLOOR PLAN

PROJECT : PROPOSED FURNISHING & ELECTRICAL WORKS

BANK : ARYAVART BANK

OFFICE : HEAD OFFICE

ZONE : LUCKNOW

DESIGNED BY : ARCHITECTS

DATE : AUG 24

SCALE

ICB NO.

ARCHITECTS - POINT ARCHITECTS PVT. LTD.

GROUND FLOOR, ROYAL COURT,

15, JAY PRAKASH ROAD,

LUCKNOW.

PH: 90 022-4013807



**ARYAVART BANK,
HEAD OFFICE, LUCKNOW, UTTAR PRADESH.**

Financial Bid (Bill of Quantity)

Architects

Point Architects Pvt. Ltd.,
Ground Floor, Royal Court,
4/45, Wazir Hasan Road,
Lucknow - 226 001
Uttar Pradesh
Telephone No. - 0522 - 4073807



PROJECT - BILL OF QUANTITIES FOR AIR-CONDITIONING WORKS.

BANK - ARYAVART BANK

BRANCH - HEAD OFFICE, LUCKNOW.

REGION - LUCKNOW

S.No	Description	Qty.	Unit	Rate	Amount
A	PART A –HIGH SIDE WORK				
	Variable Refrigerant Flow Air-conditioning System (Heating & Cooling)				
	Supply, installation, testing and commissioning of Variable Refrigerant Flow modular type air-conditioning system suitable for Cooling & Heating both by scroll compressor controlled by inverter complete with indoor and outdoor units with individual/group wired and wireless/wired remote controller for indoor units and centralized controller, interconnecting refrigerant piping, full charge of refrigerant gas (R-410A) & oil, internal control cabling and fittings etc. as per details given in specifications and having following items. The out door units shall be suitable for 3 phase 4 wire system, 415V + 10 %, 50 Hz AC supply and indoor shall be suitable for Single phase 220-240V, 50 Hz AC supply.				
	Outdoor Units				
	Supply, installation, testing & commissioning of Modular type outdoor units equipped with highly efficient scroll compressors (OEM manufactured) fully inverter controlled and Inverter technology used for compressor should be of IGBT with IPM technology , special heat exchanger with blue fin coating to protect against corrosive environment, low noise condenser fan & includes full charging of R-410A refrigerant. The compressor should be 100% inverter based Scroll compressor system . Capacity regulation of DC inverter compressor shall have precise capacity control technology of 0.1 Hz increments inverter frequency to achieve minimum 990 Steps to optimize energy efficiency during part load operation and to maintain stable condition in the room. VRF unit shall contain vapour injection system to reduce compressor power and to help unit work under adverse ambient condition. The system also should have PHE to increase sub cooling to improve the over all efficiency of machine. In outdoor unit the heat exchanger should be of sigma shape for better heat transfer ratio.				
	The unit shall also have feature to automatically modulate the evaporating temperature between 4 deg C to 14 deg C with respect to load for better comfort and energy efficiency.				
	Vender need to submit the suitable model details along with OEM confirmation & catalogue for COP along with tender document.				
	All the units shall be provided with built-in microprocessor control panel, for automatic operation and capacity control. Machines shall be suitable for working with BMS system.				
	Each VRF module must have accumulator to handle liquid and safe guard compressor against liquid flood back due to dynamic load condition.				
	VRF system shall have auto Restart function i.e. In case of power failure, units should restart automatic when power resume.				
	VRF system shall have auto bypass i.e. If any one IDU have any electric or PCB failure, rest of the system should continue to operate.				
	The VRF system shall have free phase technology, which shall correct phases automatically in case of phase reversal.				
	Below Mentioned single ODU Models should be able to make module combination				
1	Supply of Outdoor Unit				
1.1	Multi V Heat Pump, 12.0 HP	1	No.		
1.2	Multi V Heat Pump, 14 HP	1	No.		
1.3	Multi V Heat Pump, 22 HP	7	Nos.		
2	VRF INDOOR UNIT				
	Supply of Indoor units address setting and capacity as mentioned below. multispeed motor, coil section with DX coil, outer cabinet, drain pan mechanism insulation, pipe connections and fresh air intake connector as per Hitachi specifications.				
2.1	CASSETTE IDU 4 WAY				
2.2	1 TON	3	Nos.		
2.3	1.5 TON	24	Nos.		
2.4	2.5 TON	6	Nos.		
2.5	3 TON	8	Nos.		
2.6	3.5 TON	7	Nos.		
2.7	4 TON	12	Nos.		
3	Supply of Multikit Joints-Indoors	56	Nos.		
4	Supply of ODU Connection kit	4	Nos.		
5	Supply of 4 way CST panel	60	Nos.		
6	Supply of remote for cassette unit	60	Nos.		
	PART A –HIGH SIDE WORK SUB TOTAL AMOUNT				
	GST @ 28%				
	TOTAL OF PART-A				



B PART - B LOW SIDE WORK				
1	INSTALLATION OF VRF AIR CONDITIONING SYSTEM			
1.1	185 HP Heat Pump Type (Cooling & Heating)			
	Vacuumising the system upto 500 micron level which ensures the zero moisture content level in piping which results in better cooling efficiency and long life of system	1	No.	
	Pressure testing of System with Nitrogen Gas with 1.5 Times of working pressure of R410A Refrigerant Gas to ensure leakproof system			
	To flush the system with food grade nitrogen gas to remove carbon contents , dirt particles to make sure that there is no chance of mixing of any impurity with refrigerant gas			
1.2	Lifting and shifting charges of outdoor unit	1	Job	
1.3	Lifting and shifting charges of Indoor unit	1	Job	
1.4	Civil Blocks for outdoor unit (Customer Scope as per site Req.)			
2	INDOOR UNITS			
2.1	CASSETTE UNITS	60	Nos.	
	(R410A Make : Dupont , Honeywell -OEM Approved)			
3	REFRIGERANT PIPING			
	Supply installation testing and commissioning of Interconnecting refrigerant pipe work with (19mm/13 mm thick) closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per OEM STD. & specifications, all piping inside the room shall be properly supported with MS hanger.			
	Make:- Mandev, Mexflow or OEM Approved Only (Copper Pipe)			
	Make:- Superlon, Accoflex, A-Flex or OEM Approved Only (Insulation)			
	Make:- Harris (Brazing Rod)			
4.1	41.3 mm dia. 19 mm. thick Insulation	1400	Rg.Mt.	
4.2	34.9 mm dia. 19 mm. thick Insulation			
4.3	28.6 mm dia. 19 mm. thick Insulation			
4.4	22.2 mm dia. 19 mm. thick Insulation			
4.5	15.9 mm dia. 13 mm. thick Insulation			
4.6	12.7 mm dia. 13 mm. thick Insulation			
4.7	9.5 mm dia. 13 mm. thick Insulation			
4.8	6.4 mm dia. 13 mm. thick Insulation			
5	DRAIN PIPING			
	Providing and fixing rigid PVC piping complete with fittings, supports as per HITACHI STD. & specifications and duly insulated with 6 mm thick closed cell nitrile rubber insulation.			
	Make:- Finolex,Supreme, Kissan, Astral or OEM Approved Only			
	Make:- Armacell, Kemflex, Superlon or equilent (Insulation) Or OEM Approved Only.			
5.1	32 mm. dia.	550	Rg.Mt.	
5.2	25 mm. dia.	250	Rg.Mt.	
6	CONTROL CABLING			
	Supply & fixing of control cum transmission wiring (Sheilded) of Copper conductor cable alongwith conduit for looping between indoor & outdoor VRF system & to main Central remote controller system			
	Make:- Polycab, Finolex, KEI, R.R. Cabel or OEM Appoved Only.			
6.1	2 C X 1.5 Sq. mm	1610	Rg.Mt.	
7	Outdoor unit stand	9	Nos.	
PART B – LOW SIDE WORK SUB TOTAL AMOUNT				
GST @ 18%				
PART B – LOW SIDE WORK SUB TOTAL AMOUNT				
GRAND TOTAL (PART A + PART B) INCLUDING GST				
SAY (RS.)				
<p>Amount in words - Rupees _____</p> <p>_____</p> <p style="text-align: center;">((Signature & Seal of Contractor))</p>				

