

Tender No. RO/A&S/581/2024-25

Dated. 26.12.2024



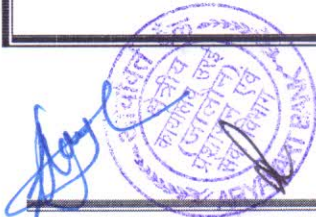
**ARYAVART BANK
HEAD OFFICE : LUCKNOW
UTTAR PRADESH**

**Request for Proposal (RFP) for
Electrical, Data cabling & Air Conditioning work in
Regional Office ORAI**

LAST DATE FOR SUBMISSION OF APPLICATIONS : 13/01/2025(02.00p.m.)

AT

**Regional Office, Bhagwan Palace
Rath Road, ORAI
JALAUN (285001)**



Disclaimer

- a) This Request for Proposal (RFP) is not an offer by the Aryavart Bank, but an invitation to receive response from eligible interested bidders for Electrical & air conditioning work in Regional Office ORAI region. This document should be read in its entirety.
- b) Information provided in this RFP to the Bidders is on a wide range of matters, some of which depends upon interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law.
- c) ARYAVART BANK, its employees and advisers make no representation or warranty and shall have no liability to any person including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, reliability or completeness of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way in this Selection Process.
- d) ARYAVART BANK also accepts no liability of any nature whether resulting from negligence or otherwise however caused arising from reliance of any Bidder upon the statements contained in this RFP.
- e) ARYAVART BANK may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this RFP.
- f) Every effort is being made to keep Aryavart Bank's Website up to date and running smoothly 24X7, However Aryavart Bank takes no responsibility, and will not be liable for, the website being temporarily unavailable due to any technical issues at any point of time. In that event Aryavart Bank will not be liable or responsible for any damages or expenses arising for any difficulty, or error, imperfection or inaccuracy with this website, it includes all associated service, or due to such unavailability of the website or any part there of any contents or any associated services.
- g) The issue of this RFP does not imply that Aryavart Bank is bound to select a Bidder or to appoint the selected Bidder, as the case may be, for the Tender and Aryavart Bank reserves the right to reject all or any of the Proposals without assigning any reason whatsoever. No correspondence shall be entertained in this regard.
- h) The "Request for Proposal" (RFP) for the Tender is available on bank's website, Vendors are required to download the tender from Bank's website.

Applicants must have sound financial status, with adequate experience in the respective line of business. The Supplier/Agency shall have at least 5 years' experience for Electrical & air conditioning work in ARYAVART BANK or any other Public Sector Bank/PSU/Government department.



BidCollectionandSubmission Details:

TenderReferencenumber (RFP)	RO/A&S/581/2024-25 Dated 26.12.2024
Earnest Money Deposit	₹25,000/-*(Refundable)in the form of Demand Draft Payable to IN FAVOUR OF ARYAVART BANK REGIONAL MANAGER ORAI
Earnest Money Deposit	₹25,000/-*(Refundable)in the form of Demand Draft Payable to IN FAVOUR OF ARYAVART BANK REGIONAL MANAGER ORAI
Date of commencement of issue of Tender Form	26.12.2024 (Thursday)
Last date for receiving queries	04.01.2024 up to 02:00 PM
Last Date and Time for submission of bids	13.01.2025 up to 02.00 PM
Opening of Technical Bids	15.01.2025 at 03:30 PM at Regional Office Orai (subject to availability of Tender Committee members)
Place of Opening Tender filled up Form	Regional Office, Bhagwan Palace, Rath road, Orai,jalaun 285001
Address of Communication	As above
Contact Telephone Numbers	Phone:7388899699,8630262277
Email Id	ans.roorai@aryavartbank-rrb.com
Website	www.aryavart-rrb.com

Applications received after the last date and time of submission are liable for rejection. The Bank reserves the right to accept/reject any or all the applications without assigning any reason thereof. Tender does not confer any right on any of the Contractor/Professional to receive invitation to bid for works at a later date.

Further, in case Aryavart Bank does not function on the aforesaid date due to unforeseen circumstances or holiday, then the Bid will be opened on the next working day subject to availability of the tender committee members.

Date: 26.12.2024

Place: ORAI

Regional Manager
Regional Office : Orai



TERMS & CONDITIONS FOR TENDER

1. Sealed applications in prescribed form (Two-bid system: the technical and financial bids should be submitted in separate envelopes, which are then placed in one larger envelope) are invited up to **13.01.2025 till 02.00 p.m.** for **Tender of Electrical, data cabling & air conditioning work in Regional Office ORAI.** Applications for Tender without Earnest Money deposit shall be out rightly rejected. Incomplete applications will be rejected without further reference & no further correspondence in this regard shall be entertained.
2. The firm should have registered office in state of Uttar Pradesh (Proof must be enclosed)

3. **Basic Scope of Work:**

Electrical, Data cabling & Air Conditioning Work-The scope of work of Electrical Data cabling and air conditioning involves internal and external Electrification, associated cabling, installation of Control panels, earthings, wiring for electrifications, data cabling, telephone wirings, UPS wiring, break down repairs and other allied works. Air conditioning work is not limited to installation, commissioning but must be complete in all respect for the satisfaction of bank.

4. **ELIGIBILITY CRITERIA FOR SELECTION FOR TENDER:**

1. The firm must have minimum 5 years of experience of electrical and air conditioning work as on 31.03.2024.
2. The firm must have worked for Public Sector Banks/RRB/PSU/Government department in UP and shall not have any discouraging/ adverse report against their past experience
3. The Average financial turnover during last 3 years ended on 31.03.2024 shall be at least 25 lac per annum.

The firm must have successfully completed project of electrical & air conditioning work costing as mentioned below during last three years-

- 3 jobs of Rs. 4.0 lac each or
- 2 jobs of Rs. 5.0 lac each or
- 1 job of Rs. 8.0 lac

- **A maximum of five work orders should be enclosed as proof of work.**

General Terms & Conditions:

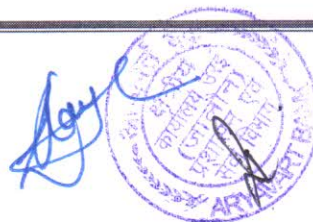
1. **Authorized Signatory:** The bidder shall indicate the authorized signatories who can discuss and correspond with the Bank. The bidder shall submit a certified copy of the resolution of their board, authorizing an official or officials of the bidder to discuss, sign agreements/contracts with the Bank, raise invoice and accept payments and also to correspond. The bidder shall provide proof of signature identification for the above purposes as required by the Bank.
2. Bank reserves the right to accept or reject any or all tender/s without assigning any reasons whatsoever and the said decision shall be final and binding upon the bidders.
3. In case of any dispute, the matter will be referred to the Regional Manager, Aryavart Bank. For litigation, if any arising thereof, the competent court (local) ORAI alone shall have jurisdiction.
4. Please check our website regularly for latest updates regarding this tender until the completion of tender process.

5. **The past experience should be supported by completion certificates indicating completion**



cost, date of commencement and date of completion etc.

6. The competent authority at its discretion may lower down the eligibility criteria if found necessary for Tender.
7. The bidder shall be required to submit the tenders as per the terms and conditions laid down in the particular notice inviting tenders.
8. The Bank reserves the right to cancel the Tender of any Vendor at any time, without giving any notice and any reason.
9. The bidder shall be agrees to indemnify the Bank and hereby keeps the Bank indemnified in respect of any loss, damages, costs including the costs incurred by the Bank in recovery of the money through legal process, expenses, charges etc. for any reason for which vendor is responsible.
10. The Vendors have never been black listed by any bank/ Government organization. Letter of undertaking regarding not blacklisted to be provided on letterhead of Vendor/ Contractors. Format is attached as per Annexure.
11. Penalty shall be impose on Vendors, if work is not completed as per terms & conditions and within stipulated time.
12. Submission of the application does not confer any right on any applicant for Tender.
13. The decision of the Bank on all the matter connected with or incidental to Tender shall be final and binding on all and shall not be called in question on any ground.
14. Tender will not ipso facto confer any right in any vendors to receive notice inviting tender.
15. Bank reserves right to call for any information and record and inspect the premises of any applicant before as well as during Tender.
16. The application can be downloaded from the website: www.aryavart-rrb.com of the Bank.
17. Information called against each item should be furnished in full.
18. Details of experience in the respective field should be enclosed.
19. Details of such Contracts undertaken in the past, present status of such contracts along with the copies of award of contract, duration of contract certificate of appreciation if any, and reasons if the contracts are discontinued shall be furnished.
20. Details of registration with Tax authorities shall be furnished.
21. Contractor shall enclose work completion certificates for satisfactory completion of similar type of works in last three financial years as described in respective categories of Service Provider.
22. In addition to above Income Tax returns for last Three years along with audited Balance sheets certified by CA shall be enclosed.
23. Copy of GOODS & SERVICE TAX CERTIFICATE(GST) shall be enclosed.
24. Copies of PAN card, Aadhar card as Applicable shall be enclosed.
25. Each page of the RFP document should be signed by the bidder submitting the bid in token of his/their having acquainted himself/themselves with the general conditions of contract, specifications, special conditions etc. as laid down in the tender document.
26. The RFP document submitted on behalf of a firm shall be signed by the signatory having signing authority on behalf of the firm. The authorization letter for signing authority should be enclosed with RFP document. Non-compliance will make the bid liable to rejection
27. The Bank in order to evaluate and compare the bids/response to tender received, may seek clarification from some or all of the bidders. Such clarifications and responses will necessarily be in writing. The Bank has right to disqualify the vendor whose clarification is found to be not suitable.
28. Bank reserves the right to the following:-
 - a) Reject any or all proposals received in response to the tender notice without giving any reason whatsoever or Extend the time for submission of proposal.
 - b) Waive or Change any formalities, irregularities, or inconsistencies in proposal format / delivery process



- c) Modify the document, by an amendment that would be displayed on Bank's Website
 - d) To independently ascertain information from the Banks and other institutions to which bidder has already extended services for similar assignments.
29. Tender with counter condition will not be entertained.
30. Tender will be valid for at least 180 days from the opening of financial bid
31. In case if the service is not found satisfactory then the bank has right to cancel the Tender at any time during the contract period, without assigning any reason.
- 32. Work means satisfactory work completed for Government/PSU/Banks/RRB's.**

Documents to be submitted with Technical Bid:

- a. Authorization letter for signing tender documents.
- b. Duly signed, stamped and completed tender documents.
- c. Audited Balance Sheet for the year 2021-22, 2022-23 and 2023-24.
- d. Contact Person with their contact numbers and email addresses.
- e. GST certificate copy.
- f. Duly filled, signed and stamped Annexures along with required enclosures.
- g. Duly signed and sealed Acceptance Letter on firm's/company's letter head
- h. A Notarized Stamped affidavit for non- blacklisting by any bank, Financial Institution is to be submitted.
- i. Submit address proof of registered/branch address in Uttar Pradesh.

Please note that in case if any of the above listed documents are found not enclosed in the technical bid submitted by the bidders, their bid will be technical disqualified.

IMPORTANTNOTE:IF AT THE TIME OF VERIFICATION OF DOCUMENT IT IS FOUND THAT DOCUMENTS ENCLOSED ARE NOT IN ORDER, THE APPLICATION FORM IS LIABLE TO BE REJECTED.

Resolution of disputes and Arbitration

The Bank and the concerned bidder shall make every effort to resolve any disagreement or dispute amicably, arising in connection with the agreement, by direct and informal negotiation between the designated Officer of the Bank and designated representative of the concerned bidder. If designated Officer of the Bank and representative of concerned bidders are unable to resolve the dispute within a reasonable period as deemed fit by the Bank, they shall immediately escalate the dispute to the senior authorized personnel designated by the Bank and concerned bidder respectively. In the case of lapse of a reasonable period as deemed fit by the Bank, after the commencement of such negotiations when both the parties are unable to resolve contractual dispute amicably, the Bank can refer the dispute or disagreement to formal arbitration by appointing a sole Arbitrator under the provisions of Arbitration & Conciliation Act, 1996. The venue for such Arbitration shall be Lucknow.

Applicable law and jurisdiction of court

The agreement with the bidders shall be governed in accordance with the Laws of India for the time being in force and will be subject to the exclusive jurisdiction of Courts at Lucknow, with the exclusion of all other Courts.

Right to content of the Bids

All the responses, Bids, accompanying documentation, correspondence by the Bidders etc., once opened and the reports resulting out of the activities of the bidding process will become the property of Bank and will not be returned to the Bidders. The Bid documents which are not opened for any reasons as elaborated in other sections of this RFP will be returned to the Bidders.



Bank is not restricted in its rights to use or disclose any or all of the information contained in the Bid, and can do so without compensation to the Bidder. Bank shall not be bound by any language in the Bid indicating the confidentiality of the Bid by the Bidder or any other restriction on its use or disclosure

The information provided by the Bidders in response to the RFP, including any clarifications provided by the Bidder against the queries from Bank during the bidding process, is deemed to be valid till the end of the contract period, in case the contract is awarded to the Bidder

Fraudulent and Corrupt Practice

Bank will reject a Bid for award if it determines that the Bidder recommended for award has engaged in corrupt, fraudulent or coercive practices in competing for, or in executing, the project(s).

“Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of the project and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive the Bank of the benefits of free and open competition.

“Corrupt Practice” means the offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of project execution.

“Coercive Practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract.

(S.R.Dwivedi)
Regional Manager



COVERING LETTER(To be given on letter head of the firm)

To,
REGIONAL MANAGER,
Aryavart Bank, Regional Office,
Orai Jalaun

Sub: Tender for Electrical & air conditioning work in Regional Office ORAI

Ref: Tender notice No. **RO/A&S/581/2024-25** on date: **26.12.2024**

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In response to the above Notice, I/We hereby submit my/our application in the required format along with annexures and declaration.

I/We have adhered to the requirements prescribed by the Bank. I/We have carefully gone through the guidelines/terms and conditions and prescribed format carefully and I/We accept the same without any alterations/modifications.

I/We am/are also aware that the Bank reserves the right to accept or reject any or all applications without assigning any reason/s thereof and decision taken by the Bank in this regard will be binding on me/us.

Yours faithfully,

Signature with Seal of the Contractor

Date:



Application format for Tender with Aryavart Bank, Regional Office-ORAI

APPLICATION FORMAT FOR

Electrical & air conditioning Work in Regional Office, ORAI

1	Name of the Firm/Organization			
	Registered Office			
	Address			
	Telephone No.			
	Mobile No.			
	E-mail ID (to be furnished Compulsory)			
2	Year of Establishment			
3	Status of the Firm (whether Company/Partnership Firm/Proprietary)			
4	Name and qualifications* of Directors/Partners/Proprietor	Name	Designation & Qualification	Mobile No.
5	Whether registered with:			
	a) Registrar of companies/Registrar of firms. If so mention number & date(Also enclose copy of Registration/Article and Memorandum of Association)			
	b)Whether empaneled with Aryavart Bank/Other PSBs etc. Furnish their names, class and date of registration(attach copy of registration if any)			
6	Name of Bankers(ifany)	Name of Bank:		
		Name of Branch: Phone		
		No:		
		Contact person's phone No:		
7	Satisfactory evidence: (To indicate financial capacity)	Year (financial year)	Turnover Rs.In lakhs	Profit (Amt in lakhs)
		2021-22		
		2022-23		
		2023-24		
		Certified copies of last 3 years balance sheet, Profit & loss A/C, IT returns be submitted		
8	RegistrationwithTaxAuthorities			
	i) GSTNo.(Compulsory)			
	ii) IncomeTax(PAN) No.			
	iii)EPFReg.No(ifapplicable)			



	iii) ESIReg.No.(if applicable)	
9	No. of years of experience in the field. Mention fields of activities (Minimum experience 5 Years)	
10	Whether ISO Certified? Furnish details	
11	Detailed description and value of works done and works on hand in last 3 years from Aryavart Bank and other Nationalized Banks (as per Annexure I attached)	
12	List of important/major works on hand from Aryavart Bank and other Banks (as per Annexure II attached)	
13	Whether any Electrical & air conditioning suit/Litigation arisen in the projects executed during last 10 years/being executed now. If yes, please furnish details	
14	Whether related to any staff member of Aryavart Bank. If yes, please mention details	
15	Please submit reference with address and contact numbers of two persons for whom you have executed similar works of importance, who may be directly contacted by the Bank about the ability, competence or capability	
16	List of clients; Names, Address & Contact nos.	
17	Any other information	

Note: Where copies are required to be furnished, these should be certified copies preferably by the concerned agencies or Govt. Officer.

In case the applicant intend to give further/more information, please attach separate sheets.

Signature and Seal of the Applicant

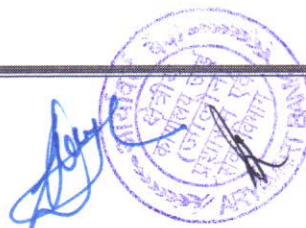
ANNEXURE-I

PARTICULARS OF WORK EXECUTED FOR ARYAVART BANK/OTHER PUBLIC SECTOR BANKS AS CLIENT

Sr. No.	Name of Work/Project executed with name & address of the client Bank	Short description of work	Name & Address of Owner/Consultant	Value of work executed	Stipulated time of completion	Actual time of completion	Copy of work order & completion certificate from the Bank
1	2	3	4	5	6	7	8

Signature of Applicant

Note: The list is to be substantiated with the documentary evidence such as work order and completion certificates in absence of which the application is liable to be rejected. Other works should be mentioned on separate sheet/s



Affidavit of Undertaking by Bidder for not being blacklisted

(On Rs 10/- non judicial stamp paper)

I/We _____ s/o _____
Director/prop of M/s _____ having its Registered Office at _____
(herein after referred as Bidder) hereby affirm/s on oath, that:

As on date of submission of tender, we are not blacklisted by the Government/ any of the State Governments in India or any Financial Institution in India.

We are not involved in any legal case that may affect the solvency / existence of our firm or in any other way that may affect capability to provide / continue the services to bank.

There are no pending cases against us involving cheating/fraudulent activities.

We are not a defaulter in repayment of installment against credit with any Bank.

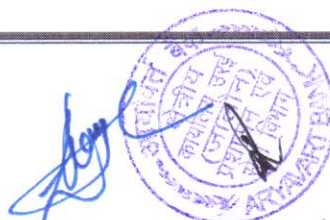
Yours faithfully,

(Authorised Signatory)

Name

Date

Seal of the firm



Annexure-III

(On company's Letter Head only)

CERTIFICATE OF ACCEPTANCE

"Certified that we have read and understood all the terms and conditions in the Tender Document and that our company/firm, namely.....do hereby unconditionally accept all the Term and Conditions set out in the Tender Document and annexures including the penalty clauses therein."

Date:

Signature of Authorized Signatory

Place:

(Name of company/firm)

Seal of Company/firm



APPROVED MAKES FOR ELECTRICAL & AIR CONDITIONING WORKS.

ELECTRICAL & AIR CONDITIONING WORKS -

APPROVED MAKES FOR ELECTRICAL WORKS.

ELECTRICAL WORKS -

S.No.	Material	Brand/Quality
1	Panel (fabricated)	MDS / L&T / Siemens
2	Kit Kat	Havell's / Anchor
3	Distribution Boards	L&T Hager / MDS / Siemens / Honeywell
4	MCB, MCCB, ELCB, RCCB, Isolators	L&T Hager / MDS / Siemens
5	Contractors, O/L relay & HRC fuses	S&S (Protec) / MDS / Havell's
6	Indicating lamps & Push Buttons	L&T Hager / Siemens
7	Amp./Volt. Meters	L&T Hager
8	Changeover/Selector (Rotary) switches	L&T Hager / HPL
9	CT's	L&T Hager / Kappa
10	Terminal blocks	Havell's / Connectwell / Technology / Eknic
11	Wires (Copper/Aluminium)	Finolex / Polycab / Skyline / Bonton
12	M.S. conduit	BEC / Steel Kraft / AKG
13	P.V.C. conduit	BEC / AKG / Diplast / Cap
14	Switches & sockets	Philips / MK India / North West / Simon / Honeywell
15	Lighting fixtures & Luminaries	Philips / GE / C&S Electric Ltd.
16	Ceiling fans	Crompton Greaves / GEC
17	Exhaust fans	Crompton Greaves / GEC
18	Cables	Finolex / Bonton
19	GI pipes	BST / Jindal

TELEPHONE, INTERCOM & LAN SYSTEM

S.No.	Material	Brand/Quality
1	Telephone Wires (Copper/Aluminium)	Finolex / Polycab / Bonton
2	M.S. conduit	BEC / Steel Kraft / AKG
3	P.V.C. conduit	BEC / AKG / Diplast / Cap
4	Switches & sockets	Honeywell / MK India / North West
5	TAJ Block	Krone
6	Key Telephone System	Samsung
7	Telephone Hand Set	Tata / Betel
8	Batteries	Exide

Air Conditioning:



S.No.	Material	Brand/Quality
1	Wires (Copper/Aluminium)	Finolex / Polycab / Bonton
2	M.S. conduit	BEC / Steel Kraft / AKG
3	P.V.C. conduit	BEC / AKG / Diplast / Cap
4	Switches & sockets	Honeywell / MK India / North West
5	A/C box	L&T Hager / MDS / Siemens / Honeywell



DECLARATION

I/We hereby declare as under:

1. I/We have read the instructions appended to the proforma and I/We understand that if any false information is detected at a later date any future contract made between me/ourselves and the Bank, on the basis of the information given by me/us can be treated as invalid by the Bank and I/We will be solely responsible for the consequences.
2. I/We have not been blacklisted/De-registered/debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have executed/undertaken the works/services.
3. I/We agree that the decision of ARYAVART BANK in selection of Bidders will be final and binding to me/us.
4. All the information furnished by me/us hereunder is correct to the best of my/our knowledge and belief.
5. I/We agree that I/We have no objection if enquiries are made with my/our clients for whom I/We have worked & details of these work executed are listed by me/us in the accompanying sheets.
6. I/We agree that I/We have not applied in the name of sister concern for the subject Tender process.

Place: _____

Date: _____

**Signature/s of applicant/s
With Seal of firm**





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

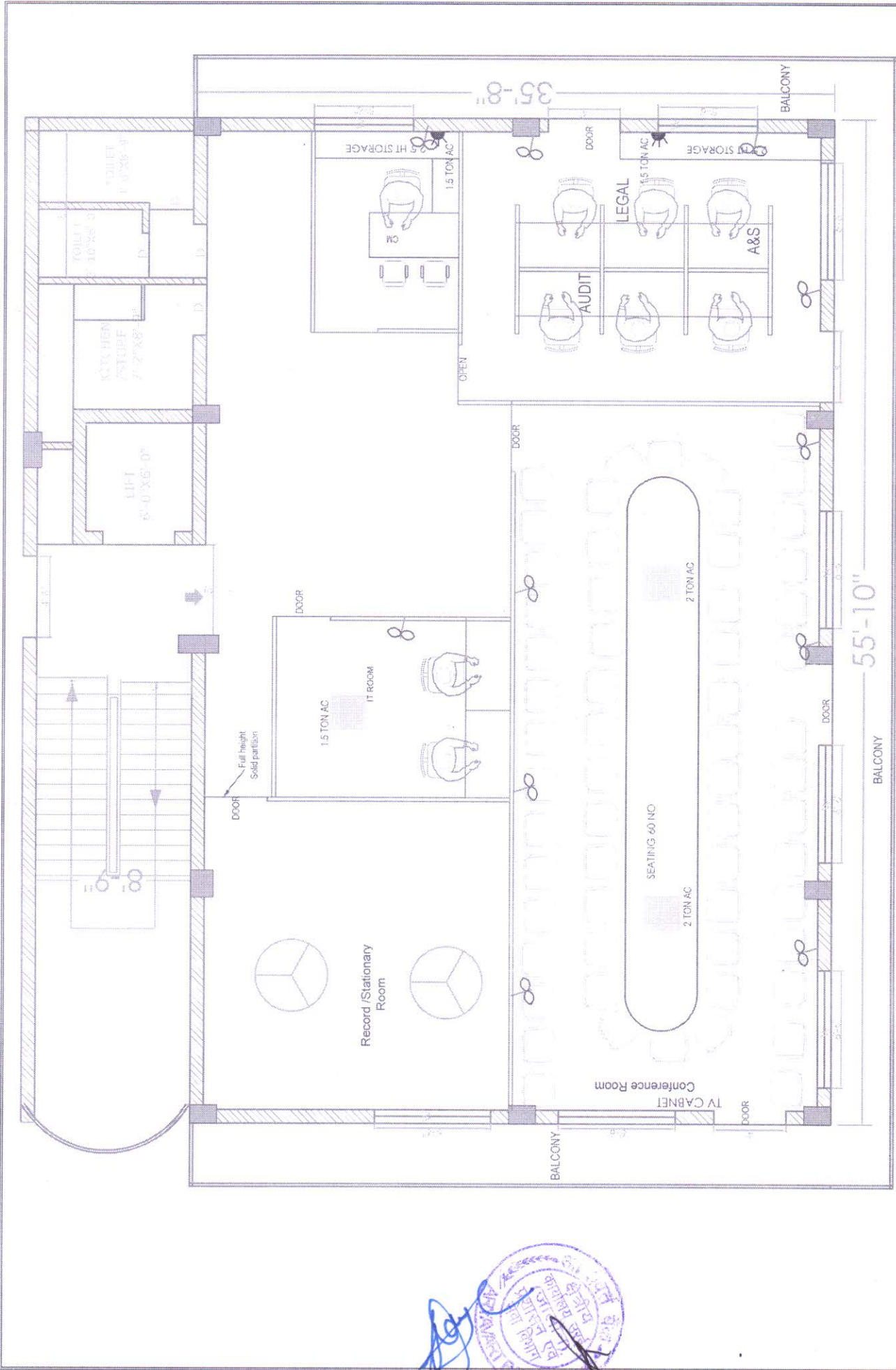
Financial Bid (Bill of Quantity)

Request for Proposal (RFP) for Electrical, Data cabling & Air Conditioning work
in
Regional Office ORAI

Architects

Mohit & Associates
Lucknow - 226 010
Uttar Pradesh
Contact No. - 9582218092





**OPTION-6
FIRST FLOOR**



PROJECT
PROPOSED FURNISHING LAYOUT OF ARYAVARAT BANK REGIONAL OFFICE
AT TULSIDHAM -ORAI

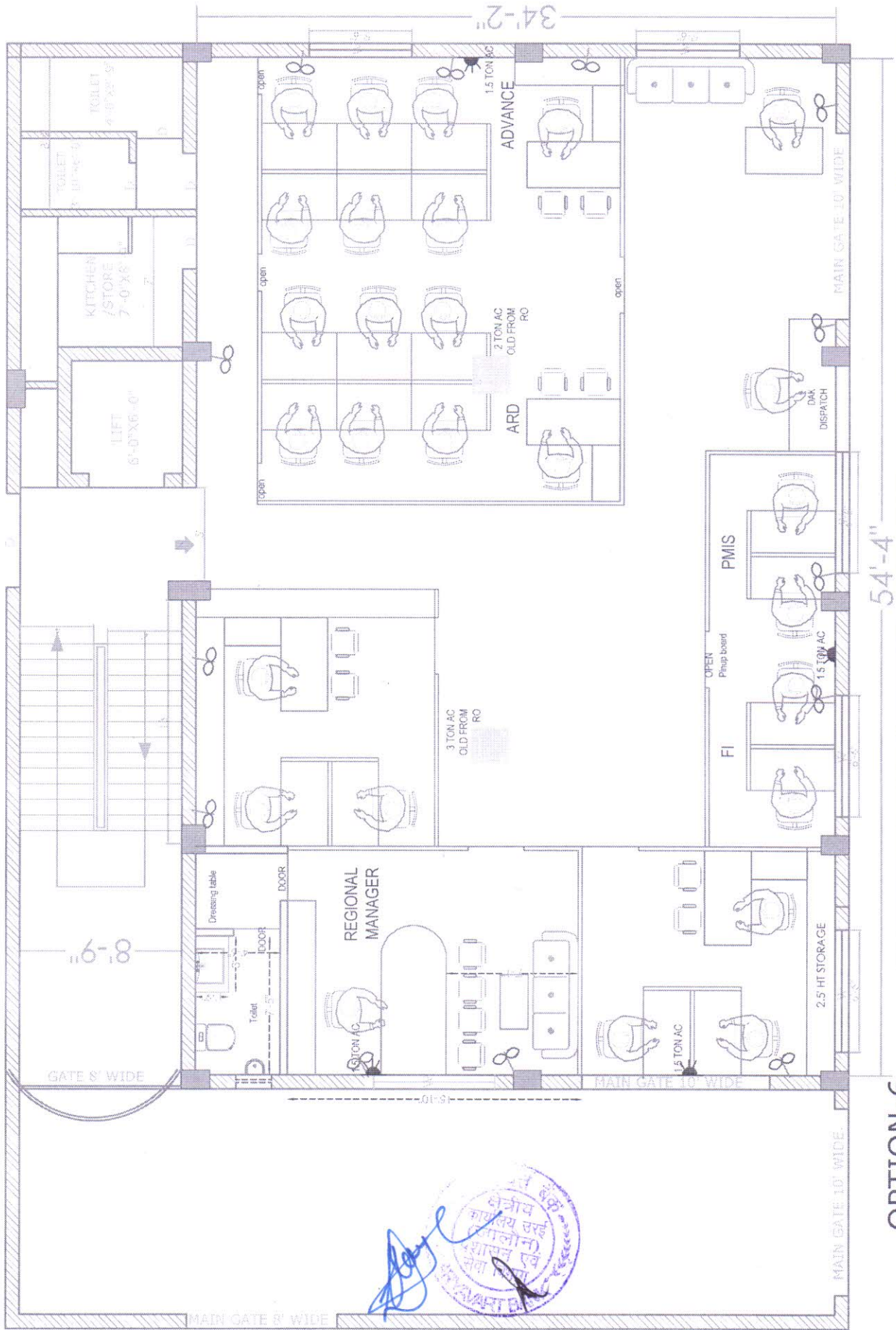
DRAWING
**ELECTRICAL
LAYOUT**



SCALE
N.T.S.
DATE
NOV 2024

MOHIT & ASSOCIATES
ARCHITECTS, INTERIORS & ESTIMATORS
1-2-254 VINNETI ROAD, GMDT NAGAR,
LUCKNOW, M.C. - 052002 | 9869482189/92

OWNER HOUSE



OPTION-6
GROUND FLOOR

PROJECT

PROPOSED FURNISHING LAYOUT OF ARYAVARAT BANK REGIONAL OFFICE
AT TULSI DHAM -ORAI

DRAWING
ELECTRICAL
LAYOUT



SCALE N.T.S.
DATE NOV 2024

MOHIT & ASSOCIATES
ARCHITECTS, INTERIORS, LANDSCAPERS
1-2, 54, 107, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



ELECTRICALS WORKS BOQ - REGIONAL OFFICE ORAI

Sl. No	Description	QTY	Unit	Rate	Amount
I	MAIN LT PANEL /DBs				
1.1	Supply and installation of main LT panel, wall mounted front operated totally enclosed vermin proof, indoor non-drawout-cubicle type power panel fabricated out of 2mm thk CRCA sheet having gasketed hinged cover on each cubicle fully powder coated after 7 Tank treatment, incorporating horizontal and vertical sleeved copper busbars, complete with all internal wiring, danger board, 2 earthing legs, cable chamber etc as required, housing below mentioned switch gears / meter (GA drawing of the panel got to be approved by Bank / Architect)				
a	1No.,200A,FP, Changeover Switch + 1 no. , 200A,TP, MCCB with ELR(0-3A) and CBCT as Incomer				
b	2 nos. 40A & 6 nos. 63A, TPN, MCB outgoing				
c	1 no., 0-200A, Ammeter with CTand selector switch				
d	1no., 0-500V, Voltmeter with selector switch and fuse				
e	1Set, TPN, Copper busbars of size 35mm x 5mm thk PVC insulated suitable for 250 Amp load				
f	1 Set, RYB, indicating lamps with resistors and fuses				
g	200 AMP KITKAT 4 NOS SEPERATELY For main LT panel input.				
	Full Set as above	1	SET		
1.1a	Use existing LT pannel from old Regional office including transportation if any repair completed as per Architect Instruction.	1	SET		
1.1b	Use existing Automatic generator on /off pannel from old Regional office including transportation if any repair completed as per Architect Instruction.	1	SET		
1.1c	Use existing 100 amp mccb from old Regional office including transportation if any repair completed as per Architect Instruction.	1	SET		
1.1d	S/F of 4 nos. 200Amps Kit kat set link type with heavy duty neutral link and making its connection from electronic meter c/w wooden board etc.	1	SET		
2.3	Suply and installation of 8 way, TP&N 'MCB type Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears (Double door HORIZONTAL DB)				
a	1 no., 63A, TPN, ELCB(100mA) incomer				
b	24 nos, 16/20A, SP, MCB outgoing				
	Full Set as above	2	SET		




2.4	Suply and installation of 12 way, TP&N 'MCB type Distribution Board(double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as DIN rails, neutral-link, interconnected wiring, complete with earthing legs, housing following switch gears (Double door HORIZONTAL DB)				
a	1 no., 63A, TPN, ELCB(100mA) incomer				
b	36 nos, 16/20A, SP, MCB outgoing				
	Full Set as above	2	SET		
4.1	S & I of SPN, DB for distribution of input power to UPSs as per SLD having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) (UPS-INPUT-HORIZONTAL DB)				
a	1 no, 63A, FP, Isolator incomer				
b	3 Nos. 40A, DP, MCB, outgoing				
	Full Set as above	1	SET		
4.2	S & I of 4 Way TPN, Vertical DB for distribution of input power to UPSs as per SLD having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) (UPS-INPUT-DB)				
a	1 no, 63A, FP, Isolator incomer				
b	3 Nos. 40A, TP, MCB, outgoing				
	Full Set as above	1	SET		
4.5	Supply & Fixing of 32A DP MCB in 2way SPN Db IP 20 metallic directly on wall Raw power Incoming & OutGoing supply for UPS (Branch :2 Nos & ATM 1No.)	4	Nos.		
	Sub Total				
II CABELS / MAINS					
1 (A)	S & I of 1100V grade armoured cable having sector / circular shaped aluminium / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect in the following sizes.				
1.5	3 1/2 C X 50 Sq.mm Aluminium	40	Mtr		
1 (B)	S & I of 1100V grade armoured cable having sector / circular shaped aluminium / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect in the following sizes.				
1.1	4C x 16 Sq.mm Copper	30	Mtr		
1.2	4C x 10 Sq.mm Copper	80	Mtr		
1.3	4C x 6 Sq.mm Copper	50	Mtr		



1.4	2C x 4.0 Sq.mm Copper	40	Mtr		
1.5	2Cx 10Sq.mm Copper	40	Mtr		
2	S & I of end termination of above mentioned cables including compressed type brass glands, crimping type coper lugs, insulation tape etc. as 'required complete with earthing of glands in following sizes				
2.5	4 x 16/10/6/4 Sq.mm	12	Nos.		
2.6	2C x 10/4 Sq.mm	12	Nos.		
Sub Total					
III WIRING					
1	Supply & Installation of concealed point wiring using 600V grade 2.5 sqmm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through haevy gauge PVC conduits laid concealed over false ceiling or in wall chases including circuit wires from the relevant DB and also including 1.5 Sq.mm Green Colour Copper earth wire and provision of grid plate type (ROMA) switches and sockets as approved by Bank / Architect. Each circuit feeding not more than 8 points / 800 W as per the following configuration.				
1.1	Primary light points including the cost of 5A switch	10	Pts		
1.2	Secondary light points looped from the above point	5	Pts		
1.3	5A plug point as primary point	10	Pts		
1.4	Secondary 5A Plug point on switch board	5	Pts		
1.5	Supply & Installation of raw power point on the tables consisting of one 5/15A socket with switch of other color and flexible cable of black color & circuit, concealed point wiring using 600V grade 3 C - 2.5 sqmm flexible copper cable conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge PVC conduits laid concealed over false ceiling or in wall chases including circuit wires directly from the relevant DB (Maximum Length of Wire - 25 Mtrs) for hotplate/geyser / zerox / fridge.Taken Above False ceiling and / or through walls . Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires.	38	Pts		
1.6	Indicator Light point from main panel to Banking area for indication of Mains power supply with wiring, indicator lamps	1	Pnt.		
1.7	Fan point consisting of 5A socket near fan and switch on light switch board	10	Pts		
1.8	Wiring for Signages with 2 R x 2.5 Sq.mm and 1Rx 1.5 Sq.mm, PVC insulated copper conductor flexible cable to be connected to the SPN D/D consumer unit	15	Mtr		



2	Supply & Installation of concealed point wiring using 600V grade 2.5 sqmm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through heavy gauge PVC conduits laid concealed over false ceiling or in wall chases including circuit wires from the relevant DB and also including 1.5 Sq.mm Green Colour Copper earth wire (Maximum Length of.Wire - 15 Mtrs).				
2.2	S & I of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 2.5 Sqmm Cu. PVC sheathed white color flexible cable pulled through above False ceiling and cutting the walls as raceways are not provided and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions. Each point consisting of 3 Nos of 2 / 3 Pin sockets and 1 No 15A switch, wired together forming one point. Switches and sockets to be (ROMA). Earth wire to be of Green colour only. (<i>Only 2 tables served by one circuit from UPS DB</i>) Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires.Including Popup box for Confernce table	45	Pts		
3	Acs electrification :-				
(a)	Supply and fixing 25 Amps 3-pin modular socket with 25 Amp one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) -(from Stabilizer to IDU)Supply. (2 Nos for ATM). Stabilizer to be installed in the panel room.	11	Nos		
(b)	Supply and fixing 25 Amp - 3 pin metal clad socket with plug controlled by a 25 Amp SP MCB (for Ac wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) from AC DB to Stabilizer (2 Nos for ATM)	12	Nos		
(c)	Supply and fixing 20A 3-pin modular socket with 20A one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 2.5 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) -(from Stabilizer to IDU)Supply.Stabilizer to be installed in the panel room.	0	Nos		



(d)	Supply and fixing 20A - 3 pin metal clad socket with plug controlled by a 20A SP MCB (for Ac wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 2.5 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) from AC DB to Stabilizer	0	Nos		
Sub Total					
IV	FLOOR -RACEWAYS:				
1	S & I of floor - raceways consisting of 2 Nos of 3" x 1.5"x 3mm thick rectangular aluminium anodized box sections including chasing and refilling as per the route shown in the drawing and as approved by consultant at site including clamping at every open pipe ends by suitable plastic end covers against entry of dust or anyother foreign material.	0	Mtr		
2	S & I of galvanised floor junction boxes with SS brushed finish 12 SWG (2.5 mm Thick) cover properly fixed with screws, for above mentioned raceways , of size 300mm x 300mm x 2.5 mm depth, fabricated out of 2.5 mm thick GI sheet with proper cut outs on the sides for pipe entry & screwed top cover with rubber gasket and suitable cutouts/ knockouts for flexible conduit outlets as per the drawing enclosed.	0	Nos.		
Sub Total					
V	LIGHTING FIXTURES(Philips/Wipro/Thorn/Crompton)				
1	S & I of lighting fixtures as per the details given below including necessary hardware such as clamps,nuts, bolts, nails, screws and suspension chains as required for fixing the fixtures in position as directed by architect / Consultant.				
1.1	Supply & installation of Batten Philips or Equivalent led llight, Full size of 2ft (618 mm) ; Luminous Flux - 900 Lumens ; Wattage - 9- 10 Watts ; Bulb Features -Energy Saving; Colour:- Cool Day Light; Colour Temperature: 6500 Kelvin; Average Life - 25000 Hours; Wide voltage protection of 160-360v with 2KV surge protection	0	Nos.		
1.2	Supply & installation of HANGING LIGHT - LHECDOL5PW1W040 (40WATTS), PHILIPS/WIPRO MAKE	0	Nos.		
1.3	Supply & installation of Batten Philips or Equivalent led llight, Full size of 4ft (1214 mm) ; Luminous Flux - 2400 Lumens ; Wattage - 20/22/24/36 Watts ; Bulb Features -Energy Saving; Colour:- Cool Day Light; Colour Temperature: 6500 Kelvin; Average Life - 25000 Hours; Wide voltage protection of 160-360v with 2KV surge protection	0	Nos.		



1.4	Supply & installation of Philips or Equivalent led light, recess mounted, Wattage: 7 W ; Operating Voltage:130-360 Volts ;Metal body ; Material: Aluminium, Color: Cool Day Light; Colour Temperatures of 6500K; Shape: Square / Circular	8	Nos.		
1.5	SITC LED FIXTURE- Mirror Wall Light ·Model 31165 Wattage: 10W · Dimension: 2 feet length · Lumen Value: 800lm · Base: Inbuilt LED (Philips/ Panasonic or Equivalent Make)	2	Each		
1.6	SITC -Ceiling Profile Ligh Type TruGroove, Installation/mounting type Recessed, Color Temperature Tc (K) 3000 / 3500 / 4000 Housing (Material And Finish) 3/4" to 2" thick Extruded thick aluminum trim/Section and die-cast endplates, System Wattage 20W, Classifications (IP/IK) IP20, Cover (Glass/ PC) Poly carbonate, Electrical Class II, / LED Lamps 240Nos/Mtr (LM26) 5 mtr roll with LED Driver lumens Including cost of 3/4" to 2" thick Aluminum Channel Accessories complete as required (Make IP Mac, Sanspa, Helius,)	20	R.Mtr		
1.7	Supply & installation of Philips or Equivalent led light, recess mounted, Wattage: 15 W ; Operating Voltage:130-360 Volts ;Metal body ; Material: Aluminium, Color: Cool Day Light ; Colour Temperatures of 6500K; Shape: Square / Circular	10	Nos.		
1.8	Supply & installation of 2' x 2' LED Full-Glow – RC380G3HL Philips or Equivalent make led light, recess mounted, Wattage: 32 Watts ; Output- 3400 Lumens; Colour: - Cool Day Light; Colour Temperature: 6500 K; System Efficiency-110; Operating Voltage – 220 -240 V for Branch & ATM.	16	Nos		
1.9	Circle Ring Light (35W - 40W) 600 Diameter Bring in an element of innovation and design with Orbit rings of light in hall space White powder coated finish CRCA housing with extruded Aluminium lip. High efficiency LEDs with long life. Special translucent satin finish virgin PMMA diffuser, Luminaire system wattage. Specially designed driver. Wattage should be inclusive of LED and Driver losses. Model No- Orbit Ring LM23OR (LM23OR-621-xx57-XW)				
a	Color Temperature 5000-6000K	2	Nos		
2.1	250mm dia wall mounted exhaust fan of decorative plastic body and blade with louvers on the outside (Newtek/Cromton/Approved Equivalent)	6	Nos.		
2.2	Supply & installation Steel body Wall mountaing fan 450 mm dia 230 volt A.C. PHILIPS/WIPRO MAKE	25	Nos.		
2.2	Supply & installation of Ceiling fan with 1200mm sweep, double ball bearing motor, capacitor, three MS blades die cast Al housing in stove enameled white with, suspension rod including all accessories of approved make.(5 star rated) (ORIENT/KHAITAN).(UPS,Strong room & Store room)	2	Nos.		
Sub Total					0
VI	EARTHING				



1.1	S & I of earth pit comprising of 600mm x 600mm x 3mm. thick copper plate buried at a minimum depth of 2.5 meter including necessary materials like charcoal,salt etc as required conforming to BIS standards having brick masonry chamber with hinged cover and watering arrangement.	0	Nos.		
1.2	Extra for depth beyond 2.5 meter earth pit if required in any condition	0	Mtr.		
1.3	Chemical Earthing using Electrode of size 80 mm dia, 2 meter long connected with 50X6 mm Copper internal strip complete with excavation, civil works, cast iron cover with back fill compound. The voltage between Neutral & Earth not to exceed 2 volts. including bore holes wherever required and putting the earth as per requirement.	4	Nos		
2.1	S & I of copper /GI earthing wires/strips in following sizes				
2.2	8 SWG copper bare wire	40	Mtrs		
2.3	12 SWG copper bare wire	0	Mtrs		
2.4	25mm x 3mm thick GI strip	20	Mtrs		
3	S & I of isolated earthing / grounding system for computers etc.using insulated green copper earthing wire laid through 20mm PVC conduits from separately made earth pit to the equipment in following sizes				
3.1	6 sqmm copper in 20mm PVC conduit	30	Mtrs		
4	S & I of Main bus for isolated earth comprising of 200mm x 40mm x 6mm thick copper bar fixed on insulated support and having 20 nos of holes and nut bolts studs for clamping the earth leads,all contained in MS/PVCbox of size 300mm x 200mm x 50mm deep and having transparent acrylic cover as approved by Bank / Architect.	1	Set		
Sub Total					0
VII MUSIC - CUM - PA - SYSTEM					
1	S & I of point wiring for music - cum PA system comprising of 2x 1.0 sqmm stranded , copper conductor , flexible PVC insulated and PVC Sheathed wire pulled through 20 mm dia .PVC heavy gauge conduits and looped from one speaker to other and to the volume control and control switch wherever applicable and finally terminated at Tag Block.	12	pts		
2	S & I of Philips / Bosch/Ahuja make music speaker flush mounted on the false ceiling with proper clamping arrangement	16	Nos.		
3	S & I of volume control - cum - ON - OFF switch flush mounted on wall along with other electrical switches .The size and plate of the regulating knob should match with other switches nearby (MK make)	4	Nos.		
4	S & I of 180 Watts BOSCH/Ahuja make Central Music System Amplifier and MP3/CD Player with FM facility of make Samsung/Onida/LG	1	set		



5	S & I of TV socket point flush mounted on wall / partition including cabling till outside the building with connector	4	No.		
Sub Total					0
IX WIRING FOR DATA AND VOICE OUTLETS					
1.0	Supply and fixing the following sizes of PVC medium grade ISI marked conduits (IS : 9537 Part-III) complete with accessories such as bends, junction boxes, pull boxes etc., in recess or on surface including cutting chases in the walls/floors and making good the same complete as required.				
1.1	25 mm dia 2.0mm wall thickness	170	mts		
2.0	Providing and laying Cat 6 cable (Make : Systimax / D-Link) for data / voice / CCTV in existing conduits and providing & terminating with RJ-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with RJ-45 connector including numbering with ferule				
2.1	RJ-45 for data / voice points	45	points		
2.3	Patch Cord of Cat - 6 Cable - 1.5 Mtrs - (Make : Systimax / D-Link) Company Manufactured	45	Nos		
2.4	Patch Cord of Cat - 6 Cable - 1 Mtrs - (Make : Systimax / D-Link) Company Manufactured	45	Nos		
2.5	Supply & fixing 24 Port Jack Panel Make:-CISCO	2	Nos		
2.6	19" Rack 12U with Glass Door , Locking system Make: APW	2	Nos		
2.7	24PORT 10/100Mbps Switch	0	Nos		
3	Providing and laying Cat 5 cable (Make: Systimax / D-Link) for voice in existing conduits for voice and providing & terminating with RJ-11 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminate the other end with RJ-11 connector or on a Crone module with numbering of each cable with Ferule				
3.2	RJ-11 for Voice	46	points		
4.0	Providing, laying and connecting PVC insulated copper telephone cable of following sizes including termination in				
4.1	20-pair	100	mtr.		
5.0	Providing and fixing of telephone tag block (Krone) of following sizes housed in GI box with cover of suitable size including termination				
5.1	20 pair	1	No.		
5.2	40 pair	1	No.		
Sub Total					
XI	Inverter Point wiring				



1.0	Point wiring for 15/16 amp socket(FOR INVERTER) outlet with 4.0sq.mm FR PVC insulated single core multistrand copper conductor ISI marked in recess 20 mm dia non metallic PVC flexible conduit with 15/16 Amp, 250 V modular type switch & socket ,phenolic laminated sheet suitable size ISI marked MS Box & earthing Point with 1 x 1.5 sq.mm FR PVC insulated single coremultistrand copper conductor for loop earthing etc as required as per direction of Engineer in charge .(Make of wire Finolex / L &T /Anchor / Havels/ V guard/HPL, Make of switch & socket, bell push- Anchor/ Havells/ Legrand/ Wipro)	10	No		
2.0	Recessed wiring to submain in 1 x 1.5 sqmm(FOR INVERTER) FR PVC insulated single core multistarnd copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non metallic heavy duty flexible conduit 1.6 mm thick as per direction of Engineer in charge(Make of wire Finolex / L &T / Anchor / Havels/ V guard/HPL, Make of switch & socket, bell push-Anchor/ Havells/ Legrand/ Wipro)	50		Mtr	
3.0	Supply and fixing of 16 Amp Top (for inverter installation)with all accessories and connections as per instruction of Electrical Engineer-in-charge	4	No		
Sub Total					
TOTAL FOR ELECTRICAL WORKS					

The image shows a blue ink signature and a circular official stamp. The stamp contains text in Hindi, including 'विद्युत विभाग' (Electricity Department) and 'प्रमुख विभागाध्यक्ष' (Chief Engineer). The signature is written over the stamp.

B.O.Q OF AC WORK FOR ARYAVARAT RO AT ORAI					
SUB:- AIR CONDITIONING WORK					
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	(AIR CONDITIONING WORK)				
1	Supplying, installation, testing and commissioning of 5-Star rated as per 2024 version Hi-wall split airconditioner of following capacity with On Off Timer along with wireless remote controller including providing and laying the standard length of 5 m copper, electrical and 25mm dia heavy duty PVC drain piping with all necessary fittings duly insulated with 9mm thick nitrile rubber pipe insulation including Initial refrigerant charge suitable for 5 Mtrs distance between IDU and ODU along with drilling the holes and packing and making good the damaged surfaces good comprising and 5 mtr Condensate drain pipe as specified spec of the following:- i) Indoor unit consisting of evaporator coil, blower fan with motor, filters, insulated drain pan control panel with cabling between control panels and units etc ii) Outdoor unit consisting of hermetically sealed Rotary Compressor to operate on 230 V, Single Phase, 50 Hz AC Supply, Anti Corrosive Coated Condensor Coil with fan and motor, interconnecting refrigeration piping, starters/controls/cutouts/relays etc., mounted inside a powder coated sheet metal cabinet duly treated for corrosion protection. the rate included interconnecting cable from indoor unit to outdoor unit (APPROVED BRAND : DAIKIN, BLUE STAR, CARRIER, HITTACHI, O GENERAL)				
A	5-Star rated Hi-wall split airconditioner of <u>2.0 TR</u> capacity*blue Star/TATA/Hitachi/Carrier	Each	0		
B	5-Star rated Hi-wall split airconditioner of <u>1.5 TR</u> capacity*blue Star/TATA/Hitachi/Carrier	Each	6		
C	3-Star rated Hi-wall split airconditioner of <u>1.0 TR</u> capacity	Each	0		
2	Charges for providing additional copper pipes (one circuit) for the above split units with necessary insulation and with adequate pvc insulated copper wire from indoor to outdoor units concealed and taken through beyond the standard 5 mtr length.	Rmt	10		
3	Charges for providing additional 25 mm dia heavy duty PVC drain piping with all necessary fittings duly insulated with 9mm thick nitrile rubber pipe insulation drain pipe concealed / surface mounted and taken through wall / partition beyond the standard 5m length for the above split units.	Rmt	40		
4	Supply, installation, testing and commissioning of wall mounting 4KVA stabilizers for 1.5Tr & 1.0Tr Hi-Wall Split Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required.	Each	6		
5	Supply, installation, testing and commissioning of wall mounting 5KVA stabilizers for 2.0Tr Hi-Wall Split / Cassette type Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required.	Each	2		
6	Providing and fixing standard powder coated support brackets & including grille gauge with locking arrangement for the above split / cassette units including fasteners and other accessories as required.				

The image shows a handwritten signature in blue ink over a circular official stamp. The stamp contains text in Hindi, including 'ARYAVARAT RO AT ORAI' and 'AIR CONDITIONING WORK'. The signature is written in a cursive style.

a	For split air conditioner	Each	6		
b	For cassette units	Each	2		
7	Supplying and fixing 0-24 hrs electronic timer with 2nos 25A SP MCBs, 2 nos 25A TP contactors completely wired housed in a suitable powder coated enclosure with hinged door and mounted on wall with all interconnections. (for ac units in System Room)	No	0		
8	Supplying, installation, testing and commissioning of CASSETTE type split airconditioner of 1.5 TR capacity ,with 3star rated as per 2024 with On Off Timer along with wireless remote controller including Initial refrigerant charge suitable for 5 Mtrs distance between IDU and ODU along with drilling the holes and packing and making good the damaged surfaces and min 5 mtr Condensate drain pipe as specified spec (2nos in Banking Hall) comprising of the following:- Min 3 star rated as per 2018 i) Indoor unit consisting of evaporator coil, BLDC Fan Motor, filters, insulated drain pan, drain pump. One motor per vane in Indoor unit to control each of the four vanes independently, etc ii) Outdoor unit consisting of hermetically sealed Rotary Compressor to operate on 230 V, Single Phase, 50 Hz AC Supply, Anti Corrosive Coated Condenser Coil with fan and motor, interconnecting refrigeration piping, starters/controls/cutouts/relays, etc., mounted inside a powder coated sheet metal cabinet duly treated for corrosion protection.the rate included interconnecting cable from indoor unit to outdoor unit (APPROVED BRAND :DAIKIN,BLUE STAR,CARRIER,HITTACHI,O GENERAL)				
A	3-Star rated CASSETTE airconditioner of 2.0 TR capacity*blue Star/TATA/Hitachi/Carrier	Each	2		
B	3-Star rated CASSETTE airconditioner of 1.5 TR capacity*blue Star/TATA/Hitachi/Carrier	Each	1		
9	Supply and installation of Liquid and Gas Hot Line Copper tubing, thermal insulation of Copper Pipes, Condenser fan Cabling, earthing, clamping, control cabling if any, between IDU & ODU of CCDS units.(beyond 5 meter)	Rmt	40		
10	Providing and laying 25 mm dia heavy duty hard drain piping for all Cassette type split air-conditioners with all necessary fittings, accessories and supports including insulating the drain pipe properly with closed cell elastometric Nitrile rubber / EPS section.(beyond 5 meter)	Rmt	40		
13	Shifting and Fixing split air conditioners of EXISTING A/C Available in OLD RO, including cost of reinstalation of stabliser, metal stand, installation AC, servicing and gas recharging etc Complete as reqd (In Hall)	Nos	2		
	TOTAL				
NOTE :- GST TAX WILL BE EXTRA.					

