

INDIAN BANK

TENDER

FOR

**PROPOSED INTERIOR RENOVATION WORKS
(AIR CONDITIONING WORK) OF
INDIAN BANK HARBOUR BRANCH
AT NO:66, RAJAJI SALAI, CHENNAI 600 001
FROM INDIAN BANK'S EMPANELLED CONTRACTORS ONLY**

This Quotation document contains 19 pages

Signature & Seal of the Bidder

Date: 03.03.2026



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INDIAN BANK

NOTICE INVITING QUOTATION

Indian Bank, Zonal Office-North, Chennai invites sealed Quotations for 'Proposed Interior Renovation Works (Air Conditioning) Of Indian Bank HARBOUR Branch at No:66, Rajaji Salai, Chennai 600 001', **from Indian Bank's panel contractors empaneled for Civil & Furnishing works in Tamil Nadu and Union Territory of Puducherry w.e.f. 01.06.2023.**

1.	Name of work	Proposed Interior Renovation Works (Air Conditioning Work) Of Indian Bank HARBOUR Branch at No:66, Rajaji Salai, Chennai 600 001
2.	Last Date / Time of Submission	24.03.2026 @ 04.00 pm at Zonal Office
3.	Date / Time of opening of Technical Bids	24.03.2026 @ 05.00 pm at Zonal Office
4.	EMD	Nil
5.	ISD	2% of Bid cost within 3 days from the date of award of work.
6.	Period of completion	45 days reckoned from the date of issue of the Work Order or handing over of site whichever is later
7.	Defects Liability Period	12 Months from the date of virtual completion of work
8.	Frequency of Interim Bills	One interim bill for minimum value of Rs.8.0 lakhs
9.	Retention Money/ Security Deposit	An amount equal to 5% of the value of each bill will be recovered as retention amount. This together with the S.D. of the 2% referred to the above will constitute the total Security Deposit. 50% of the retention amount will be paid after 15 days from the date of final payment and balance 50% will be released at the end of Defects liability period (i.e. 1 year) which starts from the date of virtual completion of project, subject to satisfactory rectification of defects noticed, if any.
10.	Liquidated Damages	1% per week of the Contract Value subject to maximum total of 5% of Contract value.

Note:

1. The bank reserves the right to reject any quotation/bid without assigning any reason.
2. The rates quoted by the bidder shall be based only on the specifications and conditions of the quotation documents.
3. Bank is not liable to make any payment to bidders for preparation to submit the quotation/bid.

ZONAL MANAGER

Indian Bank, Zonal Office-North,
 Premises, Estate & Expenditure Dept,
 KREST Building, 2nd floor,
 No 2, Jehangir Street, Chennai-600001,
 Ph: 044-2521 8300



Signature & Seal of the Bidder

GENERAL CONDITIONS OF CONTRACT

1. Quotations, which should always be placed in sealed cover, with the name of the work written on the envelope '**Proposed Interior Renovation Works (Air Conditioning Work) Of Indian Bank HARBOUR Branch at No:66, Rajaji Salai, Chennai 600 001**' will be received by Zonal Manager (P&E), Indian Bank, Zonal Office-North, Premises, Estate & Expenditure dept, Krest Building, 2nd floor, No 2, Jehangir Street, Chennai-600 001.
2. Indian Bank does not bind itself to accept the lowest or any quotation and reserves to itself the right of accepting the whole or any part of the quotation and the bidder shall be bound to perform the same at the rate quoted.
3. The rates quoted in the tender shall exclude GST but include other taxes, no escalation of rates will be allowed under any circumstances.
4. **The retention amount at 5%** on the value of the bill paid and **security deposit of 2%** of the contract value will be held by the Indian Bank as Total Security deposit. **50% of the Total Security deposit amount will be paid after 15 days from the date of final payment** and balance 50% will be released at the end of Defects liability period (i.e. 1 year) which starts from the date of virtual completion of project, subject to satisfactory rectification of defects noticed, if any. **Security deposit & retention amount held in our Indian Bank's books will not carry any interest.**
5. The acceptance of a quotation will rest with the Indian Bank and the Indian Bank reserves to itself the authority to reject any or all of the quotations received without the assignment of a reason. Quotations in which any of the prescribed conditions are not fulfilled (or) are incomplete in any respect are liable to be rejected.
6. All rates shall be quoted on the proper form of the quotation alone. **All the entries to be made legibly in ink only.** Rates written in pencil or any other mode shall not be considered for evaluation and will be rejected.
7. An item rate quotation containing percentage below / above will be summarily rejected. However, where a bidder voluntarily offers a rebate for payment along with sealed quotation, the same may be considered.
8. The Contractor shall comply with and give all notices required under any law, rules, regulations, or bye-law of Parliament, State Legislature or Local Authority relating to works. If needed, the Contractor has to obtain required permission/ approval from the building secretary/ association. The Contractor shall before commencing the execution of work issue a certificate to the Employer that he has obtained all the permissions Registrations and give all the notices as are required to be obtained or given under law particularly blasting permission, Police permission etc.
9. The Contractor shall be required to maintain the site and the building areas in a neat and clean condition at all times to the satisfaction of the Employer.
10. Debris and items removed from the building have to be neatly stacked at site and then periodically removed (maximum of one week), carried away by the Contractor and disposed off as per the rules and regulations of the Local Authorities concerned. No debris shall be thrown loose from upper floors. No floor, roof or other part of the building shall be over-loaded with debris or materials as to render it unsafe.
11. Employer will require the contractor to produce, samples of all the materials, accessories/ finishes prior to procurement/ manufacture. The samples of the materials



for the work shall be got approved from the Employer. Failure to comply with these instructions can result in rejection of the work/ materials.

- 12 For painting, sample area shall be prepared and the shade got approved. It is also advised to give computer presentation of various colour schemes to the employer before going for sample painting.
- 13 The Bidder should note that he should execute his part of work without causing any damage to any component of the building and also without disturbing the occupants. Any damage so caused shall be made good at the cost & risk of the bidder.
- 14 The successful bidders shall include, in the quoted price, all allied civil works such as chasing in wall, drilling holes etc to support the frames, partitions, make the surface good after grouting, scaffolding required if any to load/ unload the materials etc.
- 15 The successful contractor shall also be responsible for the safety and security of all their materials and also for ensuring fire prevention steps at all times in the working premises including their part of the work. The successful contractor has to place full time representative at site, the representative should have thorough subject knowledge.
- 16 The work shall be carried out without disturbing the existing occupants of other flats. Necessary barricading of the area, if required from the rest of the area shall have to be arranged by the successful contractor at no extra cost. The work is to be organized and executed so as to have least disturbance to the occupants of other flats.
- 17 Debris can be stored along the periphery of the building horizontally & vertically till the completion of the project. The same has to be removed within a weeks' time from the date of completion of project.
- 18 **The contractor should ensure payment of minimum wages + VDA to all labourers / workmen staff employed by him in line with central/state labour wage act whichever higher.**

The Contractor shall at all times indemnify and keep indemnified the Employer against all losses, claims, damages or compensation including under the provisions of the payment of the Wages Act 1936, Minimum Wages Act 1948, Employer's Liability Act 1938, Workman's Compensation Act 1923, the Maternity Benefit Act 1961, the Bombay Shops and Establishments Act 1947, Industrial Disputes Act 1947, and Contract Labour (Regulation and Abolition) Act 1970 and Employees State Insurance Act 1948, Motor Vehicles Act 1988 or any modifications thereof or under any other law relating thereto and rules made thereunder from time to time or as a consequence of any accident or injury to any workman or other person in or about the work whether in the employment of the Employer or Contractor or not, and also against all costs, charges and expenses of any suit, action or proceedings whatsoever out of such accident or injury or combination of any such claims

- 19 The contractor shall maintain all registers as required by the Regional Labour Commissioner and should furnish the same to the Bank or its representative as and when required.



- 20 From commencement to completion of works, the Contractor shall take full responsibility for the care of the work and for taking precautions to prevent loss or damage to the work to the maximum extent possible and shall be liable for any damage or loss that may arise to the works or any part thereof from any cause whatsoever including causes of fire, lightning, explosion, earthquake, storm, hurricane, floods, inundation, subsidence, landslides, rock slides, riots (excluding civil war, rebellion, revolution and insurrection) or any latent defect or damage and shall at his own cost repair and make good the same so that at all times the work shall be in good order and condition and in conformity in every respect with the requirements of the Contract.

For the purpose of this condition this expression "from commencement to completion of works" shall mean the period starting with the date of issue of Work Order or date of handing over of site whichever is later and ending with issue of Virtual Completion Certificate.

- 21 If the work is not started within **3 days** from the date of issue of work order then Employer may terminate the work order without assigning any reason. If during the execution of the work, the progress of work is not considered to be satisfactory and is not consistent to be in contingent with the period of the completion of the work then the Bank may terminate the work order by giving a final notice to the contractor.
- 32 The Contractor shall take all precautionary measures to ensure the safety of the workmen employed by it. The contractor shall be fully responsible for the any injury or damage caused to the workmen deployed by it at site for carrying out the work and Bank has nothing to do with such happenings and in no way shall be held responsible for the same.
- 23 The time allowed for completing the works is **45 Days** to be reckoned **from the date mentioned in the Work Order / date of handing over site whichever is later. During the bank working days, the work can be carried out during night hours (i.e. 09.00 PM to 07.00 AM). On holidays the work can be taken up during day hours. Depends on site requirement, the work may have to be taken up in phases, which can be discussed with the bank officials before executing the same.**

24 TIME IS THE ESSENCE OF THIS CONTRACT

The Contractor shall make all efforts to complete the work in time. Any delays, actual or expected, shall be made up by increasing manpower inputs and working in more than one shift, without any extra cost. The entire work is to be completed in all respects within the stipulated period of **45 Days** given. The work shall be **deemed to be commenced from the date of WORK ORDER or date of handing over of site, whichever is later.** The work shall not be considered as complete until the Employer has certified in writing that this has been completed and the Defects Liability Period shall commence from the date of such certificate.

25 DELAY AND EXTENSION OF TIME:

If in the opinion of the Employer the works be delayed (a) by Force Majeure or (b) by reason of any exceptionally inclement weather or (c) by reason of proceedings taken or threatened by or dispute with adjoining or neighboring Employers or Public



Authorities arising otherwise than through the Contractor's own default or (d) by the works or delays of other Contractors or tradesmen engaged or nominated by the Employer and not referred to in the Schedule of Quantities and/or Specifications or (e) by reason of the Employer's instructions or (f) by reason of civil commotion, local combinations of workmen or strike or lock-out affecting any of the building trades or (g) in consequence of the Contractor not having received in due time necessary instructions from the Employer for which he shall have specifically applied in writing or (h) from causes which the Employer may consider as beyond the control of the Contractor or (i) in the event the overall scope of work is increased due to changes in drawings and specifications leading to an increase in cost of more than 30% of the original Contract Amount. Extension of time will be granted for a reasonable period on receipt of a written request from the contractor with all supporting documents.

26. If the Contractor fails to complete any or all the works by the date/s named in **Clause 23** (Date of Completion) or within any extended time under **Clause 24**(Extension of Time) then the Contractor shall pay or allow the Employer the sum to be worked out at **1.0%** of contract value per week to be recovered as Liquidated Damages (and not by way of penalty) for the delay, beyond the said date or extended time, as the case may be, during which the works shall remain unfinished and such damages may be deducted from any moneys due or which may become due to the Contractor. The maximum amount of Liquidated damages shall be **5%** of contract value. The contractor shall be bound to extend validity of Insurance Cover till such period of completion as may be considered necessary at their cost.
27. **Note** : This Tender is for **(i) Civil Interior Furnishing & Electrical Works AND (ii) Air-conditioning Works**. Empaneled contractors are permitted to participate in both, or for (i) / (ii) as per eligibility, however, partial / incomplete bids within the Bid submitted for (i) or (ii) will be liable for rejection.

ZONAL MANAGER

Indian Bank, Zonal Office-North,
Premises, Estate & Expenditure Dept,
KREST Building, 2nd floor,
No 2, Jehangir Street, Chennai-600001.
Ph: 044-25218300

Signature & Seal of the Bidder



SUMMARY HARBOUR		
NO.	DESCRIPTION	AMOUNT-Rs.
A	DX CONDENSING UNITS AND CEILING SUSPENDED AHUS	
B	ALL INCLUSIVE ANNUAL MAINTENANCE COST - AMC	
TOTAL : (A+B) (EXCL GST)		

Total Amount in words: Rupeesonly

Place:

Signature & Seal of the Bidder

Date:



INDIAN BANK

**INTERIOR AIR CONDITIONING WORKS OF INDIAN BANK HARBOUR BRANCH
NO:66, RAJAJI SALAI, CHENNAI 600 001**

SCHEDULE OF QUANTITIES

S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
A	DX CONDENSING UNITS AND CEILING SUSPENDED AHUS - 22 TR				
1.00	<p>DX AIR COOLED CONDENSING UNITS : Supply of DX Air-cooled Condensing Unit fixed with energy efficient scroll compressor along with grooved copper tube/ aluminium fins air cooled condenser coil with hydrophilic blue fin anticorrosion coatings, liquid accumulator, low noise aluminium propeller condensor fan with IP 55 motor etc all suitably assembled neatly in heavy duty GSS sheet metal cabinet and duly powder coated as per specification. The unit to include built-in safety controls like HP/LP switch, power quality protector, in-built thermal/temperature protection . The operating refrigerant should be R-410A</p>				
1.10	11.0 TR Nominal Capacity Unit	Nos	2.00		
2.00	<p>FLOOR MOUNTED AIR HANDLING UNIT : Supply of Factory assembled Double Skin AHU With 25 mm-45 kg/cum PUF Insulated detachable panels, aluminium profiles, panel external skin with 0.6 mm pre-plasticised sheet, panel internal skin with 0.6 mm galvanised sheet, AMCA tested DIDW FAN with IEC-3 rating motor , drive arrangement , vibration isolators out of heavy duty rubberised mounts, prefilters with 3 ply HDPE 50 mm thick filters having an efficiency of 90% 10 Mic, 6 row / 12 FPI deep DX inner grooved copper cooling coil with copper header and Aluminium fins, condensate coil trough with SS-304-20G insulated with 9 mm closed cell elastomeric foam, outlet damper of aerofoil blades & PVC gears, and flexible fire retardant canvass complete with galvanised hardware. Include Mixing Box and Thermal Break.</p>				



S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
2.10	22 TR:- 8000 cfm - 35 mm external st.pr AHU to be selected for low noise and low foot print.	Nos	1.00		
3.00	Accesories inlcuding Thermostatic Expansion Valve Kit, Catch All Drier with ball valve for drier removal.				
3.10	11.0 TR Nominal Capacity Unit	Nos	2.00		
4.00	Microprocessor Controller for each AHU	Nos	1.00		
5.00	Inland transportation to site, Lifting and placing at the terrace Installation,Testing, Commissioning and Handing over the Aircooled Condensing Units:				
5.10	11.0 TR Nominal Capacity Unit	Nos	2.00		
6.00	Inland transportation to site, Lifting and placing at the location indicated in layouts,Installation , Testing, Commissioning and Handing over the Air Handling Units.				
6.10	22 TR - 8000 cfm - 35 mm external st.pr	Nos	1.00		
7.00	REFRIGERANT PIPING : Supply, Installation and Testing of Refrigerant piping consisting of Suction/ Liquid line piping and fittings with 13 mm thick closed cell elastomeric insulation for the suction lines and finished with FACTORY LAMINATED GLASS CLOTH .The piping shall be carried out with hard drawn copper pipes (minimum 18 G wall thickness) with soldered / brazed socket fittings. Complete piping workmanship to be carried out as per recommended practice. The piping to be vaccum tested and leak tested. Scope includes all refrigerant pipes shall be properly supported and anchored to the building structure using steel hangers, anchors, brackets and supports etc which shall be fixed to the building structure by means of inserts or expansion shields of adequate size and number .				
7.10	1-3/8" dia(35.0 mm) with 13 mm thick insulation	Rmt	40.00		



S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
7.20	1-1/8" dia(28.6 mm) with 13 mm thick insulation	Rmt	QRO		
7.30	7/8" dia(22.2 mm)	Rmt	40.00		
7.40	5/8" dia(15.9 mm)	Rmt	QRO		
8.00	Nitrogen Pressure Testing at site (per circuit)	Lot	2.00		
9.00	Supply and First Charging of R-410A additional refrigerant gas.	Lot	1.00		
10.00	Supply and installation of control cable carried out with 8 core x 1.5 sqmm shielded cable including PVC conduit, between indoor unit panel to outdoor unit	Rmt	40.00		
11.00	DRAIN PIPING : Supply, Installation and Testing of UPVC heavy class drain piping insulated out of 13 mm thick Class O closed cell elastomeric nitrile rubber material of approved make as per specification complete with supports, consumables, fittings, pipe sleeves, U trap & leak arresting of following sizes.				
11.10	25mm	Rmt	QRO		
11.20	32mm	Rmt	10.00		
12.00	POWER CABLING : Supply, Installation, Testing & Commissioning of Power Cabling between the AHU / Blower panel and AHU motor with Copper conductor PVC armoured FRLS including lugs, crimping and terminations identifying labels duly clamped. Ratings as below :				
12.10	4 Core x 4.5 Sq.MM	Rmt	5.00		
12.20	Earthing - 8 swg GI wire	Rmt	20.00		
13.00	Supply and making end termination of cables including providing single compression type cable gland, sockets, crimping lugs, insulation tape including gland earthing with adequate copper clamps and adequate bare copper wire connecting to the main bus bars.	Lot	1.00		



S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
14.00	FABRICATED STEEL WORK : Supply, Fabrication , Cutting, Welding , Erection at site and painting of M. S. Angle structural steel work for outdoor unit location etc based on the approved drawings. The work should be carried out as per good manufacturing and installation practices in concurrence with approved drawing. Finally all steel work to be painted with one coat of zinc chromate primer and two coats of synthetic enamel paint.	Kg	150.00		
15.00	GSS FACTORY FABRICATED RECTANGULAR DUCTING Supply, Installation, Testing & Commissioning of Factory Fabricated Rectangular Galvanised Steel Sheet Ducting made of Lock-forming quality GSS Class VIII ; complying with IS: 277 and having 120 GSM coating classification with 4-bolt TDC joint, GI full threaded rods and GI slotted channel support /hangers with bolts, nuts neoprene fire retardant gaskets and sealed with RTV / silicon sealant, elbows, turning vanes, slip on flanges, in accordance with the approved shop drawings and specifications , sizes and quantities as below :				
15.10	24 G - 0.63 mm - Rectangular	Sqm	QRO		
15.20	22 G - 0.80 mm - Reactangular	Sqm	25.00		
16.00	GSS FACTORY FABRICATED SPIRAL (ROUND) DUCTING : Supply, Installation, Testing & Commissioning of Factory Fabricated SPIRAL (ROUND) Galvanised Steel Sheet Ducting made of Lock-forming quality GSS Class VIII ; complying with IS: 277 and having 120 GSM coating classification complete with fittings like bends, reducers, Tee connections and necessary supports etc in accordance with the approved shop drawings and specifications . The supports shall be of grapple make wire ropes.				
16.10	22 G - 0.80 mm -Spiral	Sqm	100.00		

S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
17.00	SPRAY PAINTING OF DUCTS : Application of spray painting of external surface of the rectangular ducts with 1 coat of primer and spray painted with 2 coats of synthetic enamel paint of approved shade.	Sqm	100.00		
18.00	JET NOZZLE - 315 MM DIA : Supply, Installation, Testing and Balancing of Powder coated High quality Aluminium Jet nozzles suitable for long throw distances with optimum acoustic properties, designed with fixed construction consisting of a nozzle with fixing holes along with adjustable construction consisting of a spherical discharge nozzle mounted flange and circular spigot. The nozzle should be adjusted manually up to max. 30° in any direction. The external ring should be with a curved profile and spherical inner nozzle using the mechanical principle of eye ball (ball and socket principle) engineered to swivel 360 deg . Include Opposed Blade Aluminium Black painted Collar Dampers ,with pressed form blades & frames,20G frame & 24G blade (double skin)	Nos	17.00		
19.00	FLEXIBLE DUCT CONNECTOR: Supply and installation of Flexible Duct Connection factory made with Fire Retardant both sides PVC coated Double Polyester Fabric having density of 680 gms per M2 with both sides reinforced with GI strips roll formed special type locking arrangements with Polyester Fabric without puncturing the Fabric and subsequently TDF formed, ready to fit Flexible Duct Connectors.				
19.10	22 TR - 8000 cfm - 35 mm external st.pr	Nos	1.00		
20.00	LINEAR FIXED BAR GRILLE : Supply, Installation,Testing and Balancing of Linear fixed Bar Grille of Extruded aluminium construction, frame with frontal face flange of 16 mm and inner blades of 0,15,30,45 deg deflections 5 mm nominal thickness, blade pitch 12.5 mm, removable core type. The vertical tubed core should be fixed with black bush. The exact construction like one way, two way,curved, deflection angle etc and colour coding can be decided at the appropriate time.	Sqm	0.50		



S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
21.00	<p>FIRE DAMPERS : Supply, Installation, Testing and Commissioning of fire damper tested and approved for 120 minutes rated as per UL-555 S- 1995 and CBRI. Construction out of factory - made, 1.6 mm thick 800 mm long ,1 50 mm wide GSS sleeves and inner V grooved flat type multi blade assembly. Frames to be welded and inner blades to be connected to the frame by means of chrome plated spindle rods and bronze self lubricated bushes. All blades to be connected by a suitable flat link arrangement. The dampers are also to be provided with SS concealed jam seal (compression type) on the sides. The damper operation is by spring mechanisim with UL 555 fusible link. Fusible link shall close the fire damper at maximum 72 deg C.</p>	Sqm	0.25		
22.00	<p>ACOUSTIC INSULATION OF DUCTS : 10 mm Thick. Supply and Application of Acoustic insulation for the initial portion of supply air ducting. Material of construction shall be elastomeric nitrile rubber foam material with open cell structure. The material should be fibre free, super silent with very good sound absorption, damping and barrier properties with high resistance to air erosion. The density of the same shall be between 140-180 Kg/m³. The material should have a thermal conductivity not exceeding 0.045 W/mK @ 0 Deg C. The Thickness of the material shall be 15 mm. The fire rating should be minimum Class-1 as per BS 476 Parts 6&7. The insulation material shall be stuck to the cleaned duct surface by low VOC cold adhesive. The material and installation methodology should be in accordance with the specifications.</p>	Sqm	25.00		



S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
23.00	<p>THERMAL INSULATION OF INSIDE PORTION OF SPIRAL DUCTS- 9 mm Thick Supply, installation, testing, and commissioning of thermal insulation for supply air ducts using 9 mm thick Class "O" closed-cell nitrile rubber-based elastomeric insulation, having a density of 40-55 kg/m³. The insulation shall be manufactured in accordance with BS 476 Part 7 and comply with UL 94 standards for air distribution systems. It shall have a maximum water absorption of 0.2% by volume (ASTM D1056), shall not support microbial growth (ASTM D2180, G21, G22), and shall be free from objectionable odor emissions (ASTM C665). The material shall possess a thermal conductivity not exceeding 0.033 W/m·K at 0°C as per DIN EN 12667 and a water vapor permeance of 0.10.</p> <p>All joints shall be sealed using 50 mm wide, 3 mm thick self-adhesive tape (black cotton tape not acceptable). Additional adhesive shall be applied, ensuring that the VOC content does not exceed 50 g/L. The insulation material shall be stuck to the cleaned duct surface by low VOC cold adhesive. The material and installation methodology should be in accordance with the specifications.</p>	Sqm	100.00		
24.00	<p>WALL MOUNTED ELECTRICAL PANEL - AHU : Supply, Installation, Testing & Commissioning of Electrical panel (wall mounted) with 1 no of MPCB as incomer, power contactor, relay switch, ON - OFF Push buttons, Power -Control wiring and terminals. The indoor unit controller and indicator to be located in this unit.</p>				
24.10	22 TR - 8000 cfm - 35 mm external st.pr	Nos	1.00		

S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
25.00	WEATHER PROOF COATING FOR THE EXPOSED REFRIGERANT PIPING : Supply and Application of Weather proof coating uniformly on the outer surface of the exposed refrigerant piping. After the surface is dry apply one more coat of Weather proof coating and allow the same to dry. Use Pidlite-Weatherkote for this purpose.	Rmt	20.00		
26.00	ANTI-CORROSIVE PROTECTIVE COATING : Supply and Application of anti-corrosive protective coating for the outdoor unit sheet metal and cooper coil, considering the site is located close to seashore.	Nos	2.00		
27.00	AHU Room wall acqoustic insulation: S I T C of acqoustic insulation using 25 mm thick class 0 rating Open cell nitrile rubber elastomeric insulation with density of 140 - 180 kg / m ³ . The nitrile rubber has to be installed with necessary Aluminium framed supports in all directions. The insulation manufactured as per BIS 476 Part-7 & which should also meet UL 94 test supplementary materials for air distribution system which should not absorbs less 0.2% water by volume (ASTM c 209), should not support microbial growth (ASTM 2180, G21, G22) and should not emit objectionable odors (ASTM C 665) and should have thermal conductivity of 0.04W/m K @ 20 degC as per DIN EN 12667. and water vapor permeance of 0.10. Adhesive shall be used additionally with VOC level not exceeding 50 grms / Litre.	Sqm	100.00		
1	TOTAL-A (Excluding 18 % GST).				



S.N	Description	Unit	Qty	Rate- RS.	Amount - RS.
B	ALL INCLUSIVE ANNUAL MAINTENANCE COST - AMC - (All Inclusive Maintenance charges (Material and Labor) for the entire system for a period of one year from the date of expiry of defects liability period.			RATE-RS	AMOUNT-RS
1	1st Year after expiry of defects liability period	Lot	1.0		
2	2nd Year after expiry of defects liability period	Lot	1.0		
3	3rd Year after expiry of defects liability period	Lot	1.0		
	TOTAL-B (Excluding 18 % GST).				

Notes :

Potential free contacts as required will have to provided by the HVAC vendor.

The HVAC vendor shall work in close co-ordination with other agencies for smooth completion of the project.

Power Supply to the ductable outdoor unit will be terminated to a 40 Amps TPN-MCB for the 11 TR ODU by the electrical contractor along with earthing. Th electrical contractor will also leave the cable loosely from MCB to the outdoor units. The termination of this cable will be done by the HVAC Contractor.

Power Supply to the indoor unit will be terminated to the indoor unit panel by the electrical contractor along with earthing.

Total Amount in words: Rupeesonly

Place:

Signature & Seal of the Bidder

Date:



ITEM	ACCEPTABLE MAKES
Air-Conditioners	Blue Star / Daikin / Hitachi
Acoustic Insulation for Ducts	Aerofoam / K-Flex / Armacell / Aflex
GSS Sheets	Sail/ Jindal/ Nippon Dendro / Tata
Fire Sealent	3m / Hilti
Factory Fabricated Ducting	Seven Star/ Western Air Ducts/ Venus Energy/ Cosmic / Unimech
Thermal Insulation for Ducts	Aerofoam / K-Flex / Armacell / Aflex
Air Handling Unit	Luftek / AM Airclean / Thermoflux
Copper pipes	Uniflow / Mandev / Rajco / Nippon / Kwality / Pallavi / Sai Firge / Tolalline - ASTM B-68/280, JISH - 3300 Only.
Pipe Insulation	Aerofoam / K-Flex / Armacell / Aflex / Superlon
Brazing Rods	Harris / Saru Silver / Ruptam
Communication Cables	Fusion / Grandlay / Delton / Polycab
Power Cables	Delton / Polycab / Gloster / National / Skytone / Grandlay / Universal / KEI.
MCB	Havells / L&T Hager / Siemens / GE / Legrand / Schnider / MDS
Refrigerant	Dupont / Honeywell
Air Terminal Products	Systemair / Cosmos / Airmaster / Cosmic
Duct Connectors	Heavy duty double layer SRF Fire retardant Synthetic woven rexin cloth
Pipe Supports	Hitech / Intellotech / RK
GI Trays	GSS sheets only
Vibration Isolation Pads	Dunlop / Resistoflex
Electrical Panels	CPRI Approved
Anchor Bolts	Hilti / Fisher / Nippon
UPVC Pipes and Fittings	Finolex / Supreme / Astral-Flowguard

NAME AND ADDRESS OF THE CONTRACTOR:

SIGN & SEAL OF THE CONTRACTOR:

Date:

Place:



