

## **NOTICE INVITING BUDGETORY OFFERS**

Name of Work	<b>NAME OF WORK : “Supply, installation, testing and commissioning of Split type &amp; Tower type Air-conditioners at MPA”</b>
Date of submission of budgetary quotation	On or Before <b>24/03/2023 at 11:00 Hrs.</b>
Address for communication:	Executive Engineer (E-HL), Mechanical Engineering Department, Mormugao Port Authority, Electrical Section, 1st Floor, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594241, 2594244 Email : <a href="mailto:xene.mgpt@gmail.com">xene.mgpt@gmail.com</a>
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**EXECUTIVE ENGINEER (E-HL)  
MORMUGAO PORT AUTHORITY**

**MORMUGAO PORT AUTHORITY**  
**ENGINEERING MECHANICAL DEPARTMENT**

CME/XEN(E-HL)/M-18/2023/

.03.2023

**Sub: Supply, installation, testing and commissioning of Split type & Tower type Air-conditioners at MPA**

**Ref: Budgetary Quotation No. CME/XEN(E-HL)/MM/2023/M4**

Mormugao Port Authority intends to procure Split type & Tower type, Non-Invertor Air-conditioners. As such, kindly furnish the budgetary quotation for the same (Scope of work enclosed as Schedule - 'A' and Price Schedule enclosed as Schedule - 'A1').

Your budgetary quotation should reach to this office on 24.03.2023.

Thanking you,

Yours sincerely,

**EXECUTIVE ENGINEER (E-HL)**

**TECHNICAL SPECIFICATION**

**Introduction:**

Mormugao Port Authority (formerly known as Mormugao Port Trust) is one of the oldest ports on the West Coast of India located in the state of Goa, commissioned in 1885. This port is one among twelve major ports in India. This port is midway between ports of Mumbai and New Mangalore Port is blessed with a protected open type natural harbour. Over the years, it has developed a deep draft channel. With its location at the mouth of the Zuari River, it is a crucial component in the flourishing export industry of the state of Goa. It became one amongst the major ports of the country in 1964.

**1.0. General :**

Mormugao Port Authority (MPA) invites budgetary quotations for "Supply & Installation of Split type & Tower type Air-conditioners at MPA".

**2.0. Scope of Work**

The Scope of work broadly involves Supply, Installation, testing & commissioning of non- inverter AC 3 star rating of various capacity complete with mounting kit and all other accessories Including removal of existing ACs , metal clad boxes, Supply and laying of Power cable, and fixing of plywood frame etc at Administrative Office.

- 2.1. Supply of 04 nos 1.5 TR Split type non-invertor air-conditioner 3 star rated, single phase. Installation of A.C's at Port's establishment.
- 2.2. Supply of 07 nos 2.5 TR Tower, non-invertor air-conditioner 3 star rated, three phase. Installation of A.C's at Port's establishment.
- 2.3. Disconnection & removal of existing 04nos 2TR single phase tower AC's which is in working condition and shifting, re-installation, connection & commissioning of the above AC's at Port establishment.
- 2.4. Supply, Installation and commissioning of Metal clad boxes with 01no. 20A, 1P MCB for 1.5TR A.C. with metal socket & top pin. Installation of DB on the existing wall.
- 2.5. Supply, installation and connection of 4 way SPN double door DB's with 01no. 32A, 4P MCB. Installation of DB on the existing wall.
- 2.6. Supply and laying of 3 runs of 1 core 4 sq.mm multi strand copper wire from distribution box to metal clad box and termination at both ends with Cu lugs.
- 2.7. Supply and laying of 5 runs of 1 core 4 sq.mm multi strand copper cable from distribution box to double door DB and termination at both ends with Cu lugs.
- 2.8. Supply, installation and connection of 4 way TPN double door DB's along with MCB's. Installation of DB on the existing wall.

- 2.9. Laying of 4 core 25 sq. mm 1.1 KV LT / XLPE aluminum armoured cable as per IS standards. Cable will be provided by the Port.
- 2.10. Providing and fixing of cover in Veneer with plywood framework for all the exposed AC copper pipes and cables especially on the flooring inside the office space.
- 2.11. The works shall be carried out as per relevant IS standards and IE rules.

### 3.0 Detailed Technical Specifications

#### 3.1 Air Conditioners

The Contractor shall supply, installation, testing and commissioning of non-inverter type split AC 1.5 TR and 2.5TR complete with all accessories at Admin Bldg. as per the technical specification given below.

a) Non-Inverter Split Air conditioner 1.5TR

Sr. No.	Parameter	Specification
1.	Cooling Capacity	1.5 TR
2.	Star rating	3
3.	Electrical input	180V-270V/50Hz/Single Phase
4.	Air flow rate	500 CFM or more
5.	Fan speed	3 Steps
6.	Function modes	Auto/Cool/Fan/Dry – shall have power saving mode, temperature setting option should be available, ECO mode
7.	Outdoor unit	Anti-corrosive blue fins, Highly rust resistant casing for all weather conditions
8.	Air filtering unit	Dust proof and anti-bacteria filter
9.	Tubing	100% Copper, Min. length 3 mtr
10.	Remote control	Wireless with Backlight display
11.	Refrigerant type	R-32 or R-410A
12.	Warranty	OEM standard warranty from the date of commissioning.
13.	Evaporator fins (Indoor unit)	Anti-corrosive Blue fins
14.	Acceptance Criteria	Split AC should conform to IS 1391(part 2)-1992, room AC specification.
15.	OEM ISO certification	ISO-9001 & ISO 14001
16.	Drain pipe	5/8" braided PVC hose pipe

b) Non-Inverter Tower Air conditioner 2.5TR

Sr. No.	Parameter	Specification
1.	Cooling Capacity	2.5 TR
2.	Star rating	3
3.	Electrical input	380-415V/50Hz/Three Phase
4.	Air flow rate	1000 CFM or more
5.	Fan speed	3 Steps
6.	Function modes	Auto/Cool/Fan/Dry – shall have power saving mode,

		temperature setting option should be available, ECO mode
7.	Outdoor unit	Anti-corrosive Blue fins, Highly rust resistant casing for all weather conditions
8.	Air filtering unit	Dust proof and anti-bacteria filter
9.	Tubing	100% Copper, Min. Length 3 Mtr.
10.	Remote control	Wireless with Backlight display
11.	Refrigerant type	R-32 or R-410A
12.	Warranty	OEM standard warranty from the date of supply.
13.	Evaporator fins (Indoor unit)	Anti-corrosive Blue fins
14.	Acceptance Criteria	Split AC should conform to IS 1391(part 2)-1992, room AC specification.
15.	OEM ISO certification	ISO-9001 & ISO 14001
16.	Drain pipe	5/8" braided PVC hose pipe

c) Voltage Stabilizer for Air conditioners

Sr. No.	Stabilizer Specification	
1.	Rating in KVA:	4.0 KVA and above
2.	Type of winding:	Copper
3.	Input Single Phase sine wave:	160V-260V
4.	Mounting Type:	Wall mounting
5.	Warranty	5 Years

**Note: Item shall be procured from original manufacturer or from their authorized representative i.e. dealer/distributor/stockiest etc.**

d) Installation of Air conditioners

- Installation of split & tower Air Conditioners as per OEM standards at the designated locations in Admin Bldg.
- Power cables shall be laid along the Cu tubing for outdoor unit and shall be covered with wrapping tape. Input power supply shall be laid, connected and terminated at Metal clad box using metal clad plug for single phase AC and for 3 phase AC the input power cable shall be terminated and connected at double DB's using necessary glands and Cu lugs. The power cable shall be laid in PVC casing capping of suitable size.
- Spares such as indoor mounting bracket, outdoor unit mounting bracket and other accessories is under contractor's scope.
- The Cu pipes, drain pipes, power supply cables, insulating foam, wrapping tape required for interconnection of outdoor unit with indoor unit upto a length of 3 metres is under contractor's scope. Any additional length more than 3 meters of the above materials which are required for completion of work will be paid at actuals. Cu tubing's shall be covered in suitable foams and shall be wrapped using wrapping tape along with power cable for the entire length.

- For drain pipe 5/8" braided hose single length pipes including GI clamps to be used. Cu pipes, power supply cables, foams have to be used as per OEM standards. Power supply cables shall be used of single length.
- Civil works such as drilling of holes in the wall for passing AC pipes, cables etc. and re-plastering with white cement to the satisfaction of Engineer-In-Charge is under contractor's scope.
- Carpentry works required for AC pipe covering, drilling of wooden cabinets etc. is also under contractor's scope.

3.2. Removing, shifting, re-installation and commissioning of existing 4 Nos. 2 TR single phase Tower AC's from the existing location to another location in working condition as instructed by the Port's Engineer. Shifting the AC's to desired location at Port's premises without any damage to AC's & its accessories. Re-installation, connection and commissioning of the above AC's with its accessories. Spares such as foams, wrapping tape required for re-installation for the existing length of Cu tubing is under contractor's scope. Any additional Cu tubing, drain pipe, power cable, foams & wrapping tape more than the existing Cu tubing length will be paid at actuals. Power cables of single length shall be used for re-installation and no joint in cable is permitted.

### 3.3. Supply, Installation and commissioning of Metal clad boxes

Supply, Installation & commissioning of Metal clad boxes with 01no. 20A, 1P MCB, metal clad socket & plug in each Metal clad box. Installation of box on the existing wall near indoor unit AC's using plugs and screws.

- Power coated metal box of rating 20A, White colour
- Metal clad socket with protective cap
- Din channel for MCB mounting
- MCB rating:
  - Rated short circuit capacity 10kA
  - C curve MCB
  - Protection: IP20
  - Rated voltage & frequency: 240V & 50Hz
  - Conforming to IS/IEC: 60898-1 2002 with latest amendments
  - Breaking capacity not less than 25KA.
- Box as per IS:13032 & IS:8623

### 3.4. Supply, installation and connection of 4 way SPN double door DB's

Supply, installation and connection of 4 way Single Pole Neutral (SPN) double door DB's including 01no. 4P, C-Curve, 32A MCB in each DB's. DB's have to installed on the existing wall inside the office building. MCB has to be installed inside the DB and should be operational after

closing the inside door.

- Insulated neutral links & earth links inside the box.
- Heavy duty gasket for weather proofing
- IP42 protection & above
- Din channel for MCB mounting
- Hinge mechanism on the outer door.
- CRCA sheet/FRP double door DB and ensure smooth, scratch resistant surface coatings, suitable for flush type mounting.
- Confirming to IEC 60647-2
- MCB rating:
  - Rated short circuit capacity 10kA
  - C curve MCB
  - Protection: IP20
  - Rated voltage & frequency: 240V & 50Hz
  - Conforming to IS/IEC: 60898-1 2002 with latest amendments
  - Breaking capacity not less than 25KA.

### 3.5 Supply & laying of PVC casing capping/PVC conduit pipes

Supply & Laying of white PVC casing capping/ black PVC rigid conduit pipes of suitable size to be fixed on wall for wiring for metal clad boxes & SPN double door DB's. PVC casing capping shall be provided for wiring indoor and PVC rigid conduit pipe shall be used for outdoor wiring. Miscellaneous items for wiring like saddles, bends, elbows, T-junction, end cap, wall plugs, screws, nuts, fasteners, jointers, sealants, etc. as required to be provided by the Contractor to commission the system successfully.

- Casing capping & rigid conduit pipes to clamped/ fixed on the wall not more than 60cm between two clamping/fixing points. On either side of the joints, the distance of the fixing arrangement shall not exceed 15cm from the joint.
- Thickness of the material shall be minimum 1mm.
- Casing and Capping/conduit in straight runs should be in single piece as far as possible so as to avoid joints.
- All joints shall be scarfed or cut diagonally in longitudinal section, and shall be smoothed down by filing to make the joints a very close fit as far as possible and without burrs. They shall be screwed at joints with two or more screws as would be necessary.
- Joints arising out of bends or diversion shall be done using standard accessories like Internal angle, External angle, Flat angle (elbows), Flat junction (T) and end caps. Internal and external angle shall have variable angle for the alignment at the wall corners. In no case the radius of curvature of the cables inside a bend shall be less than 6 times their overall diameter.

- For PVC conduit pipe fixing GI clamps shall be used

3.6. Supply and wiring of 1 core 4 sq.mm multi strand copper wire

- 3 runs of 4 sq.mm multi strand FRLS PVC insulated copper conductor single core copper wire from distribution box to metal clad box and termination at both ends with Cu lugs. Laying of wires outside surface of building have to be carried out through suitable size black PVC rigid conduit pipes using necessary elbows, bends and clamps. Laying of wires inside building have to be carried out through suitable size PVC casing & capping.
  - 5 runs of 4 sq.mm multi strand FRLS PVC insulated copper conductor single core copper wire from distribution box to double door DB and termination at both ends with Cu lugs. Laying of wires outside surface of building have to be carried out through suitable size black PVC rigid conduit pipes using necessary elbows, bends and clamps. Laying of wires inside building have to be carried out through suitable size PVC casing & capping.
- There shall be no joints in the through-runs of cables. If the length of final circuit or submain is more than the length of a standard coil, thus necessitating a through joint, such joints shall be made by means of approved mechanical connectors in suitable junction boxes.
  - Termination of multi-stranded conductors shall be done using suitable crimping type thimbles
  - 650/1100V Grade cables.
  - Conforming to IS: 694/1990 with latest amendments

3.7. Supply, installation and connection of 4 way TPN double door DB no.1 .

Supply, installation and connection of 4 way Triple Pole Neutral(TPN) double door DB's along with MCB's in each DB's. DB's have to installed on the existing wall inside the office building. MCB has to be installed inside the DB and should be operational after closing the inside door. MCB's shall be of C-Curve and conforming to IS/IEC: 60898-1 2002 with latest amendments. The details of MCB's to be supplied along with 02nos Distribution Boxes (DB's) is tabulated below:

<b>Distribution Box no.1</b>		
<b>Incoming</b>	MCB 4P, 63A	1 no.
<b>Outgoing</b>	MCB 4P, 63A	1 no.
	MCB 4P, 40A	1 no.

- Insulated neutral links & earth links inside the box.
- Heavy duty gasket for weather proofing
- IP42 protection & above
- Double door DB shall have smooth, scratch resistant surface coatings, suitable for flush type mounting.
- Confirming to IEC 60647-2
- Recess/ Surface type with integral loose wire box.



- Phase/ neutral/ earth terminal blocks for termination of incoming & outgoing wires.
- Din Channel for mounting MCBs.
- Arrangement for mounting incomer MCB's as required.
- Copper Bus bar.
- Earthing terminals.
- Wiring from MCBs to phase terminal block.
- Interconnection between terminal block/ incoming switch/ bus bar/ neutral terminal block/ earth terminal connector with specified size of FRLS pre-insulated copper conductor cable duly fitted with copper lugs/ thimbles.
- Incoming & outgoing Terminal blocks should be suitable for termination of 35sq.mm 4c Al cable and minimum rated cross section of other terminal blocks should be 6 sq. mm.
- Terminal block shall be made of flame retardant polyamide material.
- Colour terminal blocks and FRLS wires for easy identification of RYB Phases, Neutral and Earth.
- Prewired DB shall be provided with a detachable cassette for safe removal of MCBs. Terminal connectors from the DB without loosening the internal cable connections of phase and neutral circuits. (This is an optional feature.)
- Detachable plate with Knock out holes shall be provided at the top/ bottom of board. Complete board shall be factory fabricated and pre-wired in factory ready for installation at site. The box and cover shall be fabricated from 1.6mm sheet steel, properly pre-treated, phosphatized with powder coated finish. It shall be of double door construction provided with hinged cover in the front.

### 3.8. Supply, installation and connection of 4 way TPN double door DB no.2 .

Supply, installation and connection of 4 way Triple Pole Neutral (TPN) double door DB's along with MCB's in each DB's. DB's have to be installed on the existing wall inside the office building. MCB has to be installed inside the DB and should be operational after closing the inside door. MCB's shall be of C-Curve and conforming to IS/IEC: 60898-1 2002 with latest amendments. The details of MCB's to be supplied along with 02nos Distribution Boxes (DB's) is tabulated below:

<b>Distribution Box no.2</b>		
<b>Incoming</b>	MCB 4P, 63A	1 no.
<b>Outgoing</b>	MCB 4P, 32A	1 no.
	MCB 4P, 25A	1 no.

- Insulated neutral links & earth links inside the box.
- Heavy duty gasket for weather proofing
- IP42 protection & above
- Double door DB shall have smooth, scratch resistant surface coatings, suitable for flush type mounting.

- Confirming to IEC 60647-2
- Recess/ Surface type with integral loose wire box.
- Phase/ neutral/ earth terminal blocks for termination of incoming & outgoing wires.
- Din Channel for mounting MCBs.
- Arrangement for mounting incomer MCB's as required.
- Copper Bus bar.
- Earthing terminals.
- Wiring from MCBs to phase terminal block.
- Interconnection between terminal block/ incoming switch/ bus bar/ neutral terminal block/ earth terminal connector with specified size of FRLS pre-insulated copper conductor cable duly fitted with copper lugs/ thimbles.
- Incoming & outgoing Terminal blocks should be suitable for termination of 35sq.mm 4c Al cable and minimum rated cross section of other terminal blocks should be 6 sq. mm.
- Terminal block shall be made of flame retardant polyamide material.
- Colour terminal blocks and FRLS wires for easy identification of RYB Phases, Neutral and Earth.
- Prewired DB shall be provided with a detachable cassette for safe removal of MCBs. Terminal connectors from the DB without loosening the internal cable connections of phase and neutral circuits. (This is an optional feature.)
- Detachable plate with Knock out holes shall be provided at the top/ bottom of board. Complete board shall be factory fabricated and pre-wired in factory ready for installation at site. The box and cover shall be fabricated from 1.6mm sheet steel, properly pre-treated, phosphatized with powder coated finish. It shall be of double door construction provided with hinged cover in the front.

### 3.9. Laying, termination & connection of 4 core 25 sq.mm. 1.1 KV LT / XLPE aluminium armoured cable

Laying of 4 core 25sq.mm, 1.1kV LT/XLPE Aluminium armoured cable. The cable shall be supplied by the Port. The cable shall be laid from AO Bldg. substation to 3rd floor panel room. The horizontal length of the cable laying work shall be carried out on the existing wall/ceiling surfaces by clamping from AO Bldg. substation to panel room at 3rd floor. The vertical length of the cable laying work shall be carried out through the existing exhaust fan shaft wall for approximate length of 18 metres by clamping. The cable shall be clamped using GI clamps fitted for every metre of length. Civil works such as drilling of holes in the wall/concrete beams for passing the cable and re-plastering with white cement to the satisfaction of Engineer-In-Charge is under contractor's scope. The cables shall be laid in straight runs as far as possible so as to avoid bends. Termination & connection of 4 Core 25 mm<sup>2</sup> Aluminium armoured cable at 4way TPN double DB's at Substation and 3rd floor panel room using necessary glands and lugs of suitable size.

### 3.10. Providing and fixing of cover in Veneer with plywood framework

Supply & fixing of plywood cover for exposed part of AC pipes inside office spaces. The material for the cover shall be 8mm Marine plywood surface and top layer of veneer with polish matching with existing shade at the Chairman & Dy. Chairman office area. The wooden cover are required to cover the exposed part of newly laid AC Cu pipes & power cables inside office area. The wooden cover have to be fixed in the wall/floor as necessary with provision for removing the same for maintenance/repair. The work shall be carried out as per satisfaction of Engineer-In-Charge.

### 3.11. Supply, laying & fixing of Cu pipes, 5/8" braided hose drain pipes, power supply cables, foams for 1.5TR split AC's & 2.5TR AC's

The supply of spares required for additional length over and above 3 metres of AC pipes required for installation AC's is detailed below:

- Suitable size Cu pipes as per OEM standard.
- 5/8" PVC braided hose drain pipes.
- 3 core x 2.5sq.mm multi stranded Cu flexible XLPE cable conforming to IS: 694/1990 with latest amendments for 1.5TR AC's. 4 core x 4sq.mm for outdoor unit & 3 core x 2.5sq.mm for indoor unit multi stranded Cu flexible XLPE cable conforming to IS: 694/1990 with latest amendments for 2.5TR AC's. The extra length cable shall be only jointed to the OEM supplied cable using necessary connectors. After the connector joint the cable laid shall be of single length.
- Foams and wrapping tapes as per OEM standard.

## **4.0 Special Conditions of Contract**

4.1 The Bidder shall be either an Original Equipment Manufacturer (OEM) or an authorized certified partner/authorized dealer of an OEM.

4.2 The Bidder shall inspect the site for installation at AO Bldg., to ascertain the quantum of work before submitting their bid.

4.1 PRICES: Prices quoted should be on F.O.R. destination basis inclusive of transit insurance indicating clearly the quantum of taxes and other charges whatsoever applicable. The prices should be firm. However, in case of any statutory revision in taxes within the delivery period of supply order, the same will be considered provided you furnish documentary evidence such as copy of Govt. notification.

4.2 TAXES: Applicable GST at the time of delivery during the contractual period will be paid extra.

4.3 COMPLETION PERIOD: The A.C's are to be supplied & installed within 4 weeks of receipt of the purchase order/LOA, at Port, Vasco-da-Gama, Goa, duly insured at your cost.

4.4 PACKING: The materials shall be duly packed to withstand the hazards of transportation.

- 4.5 INSPECTION: The material will be inspected by our Quality Control Officer on receipt at our Stores. Any damage to the items during transportation shall be to Supplier's account. If the supplied items are rejected due to any defects/quality, the supplier has to make his own arrangements at his cost to lift the rejected materials and to replace the same immediately.
- 4.6 PAYMENT: All the quantities indicated in the price schedule/BoQ are indicative. However, the work shall be carried out as per site conditions. Payment will be released as per actual executed quantities after completion of work. Payment shall be released by ECS/EFT/RTGS within 30 days of successful completion & commissioning of work and receipt of bills, whichever is later.
- 4.7 Offers should not contain any sort of conditional discounts based on quantity or value of order.

**SCHEDULE OF PRICES AND QUANTITIES**

**PRICE SCHEDULE**

Sr. No.	Item description	Qty.	Unit	Rate/ Unit (Rs.)	Amount Excl. of G.S.T	GST %
A	B	C	D	E	F = E x C	G
1	Supply, installation, testing and commissioning of 1.5 TR Split type non-invertor air-conditioner 3 star rated, single phase. including all accessories, voltage stabilizer and as per Scope & technical specification at Schedule 'A'.					
a	Supply	04	nos			
b	Installation, testing and commissioning	04	nos			
2	Supply, installation, testing and commissioning of 2.5 TR Tower non-invertor air-conditioner 3 star rated, three phase. including all accessories and as per Scope & technical specification at Schedule 'A'.					
a	Supply	07	nos			
b	Installation, testing and commissioning	07	nos			
3	Removing, shifting, re-installation and commissioning of existing 2 TR single phase Tower AC's at Admin office spaces as per Scope & technical specification at Schedule 'A'.	04	nos			
4	Supply, Installation and commissioning of Metal clad boxes with 01 no. 20A, 1P MCB for 1.5TR A.C. with metal socket & top pin as per Scope & technical specification at Schedule 'A'.	08	Nos			
5	Supply, installation and connection of 4 way SPN double door DB with 01no. 32A, 4P MCB as per Scope & technical specification at Schedule 'A'.	07	Nos			
6	Supply and wiring of 3 runs of 1 core 4 sq.mm copper wire from distribution box to metal clad box and termination at both ends with Cu lugs including Supply & laying of suitable size PVC casing capping/PVC conduit pipes as per Scope & technical specification at Schedule 'A'.	150	M			
7	Supply and wiring 5 runs of 1 core 4 sq.mm copper wire from distribution box to double	120	M			

	door DB and termination at both ends with Cu lugs including Supply & laying of suitable size PVC casing capping/PVC conduit pipes as per Scope & technical specification at Schedule 'A'.					
8	Supply, installation and connection of 4 way TPN double door DB no.1 with 02nos 4 pole 63 A MCB, 01no. 4P 40A MCB as per Scope & technical specification at Schedule 'A'.	01	no			
9	Supply, installation and connection of 4 way TPN double door DB no.2 with 01no. 4 pole 63 A MCB, 02nos. 4P 32A MCB, 01no. 2P 25A MCB as per Scope & technical specification at Schedule 'A'.	01	no			
10	Laying, termination & connection of 4 core 25 sq.mm. 1.1 KV LT / XLPE aluminium armoured cable. as per Scope & technical specification at Schedule 'A'.	150	m			
11	Providing and fixing of cover in Veneer with plywood framework, 8mm Marine plywood surface and top layer of veneer with polish matching with existing shade at the Admin office area as per Scope & technical specification at Schedule 'A'	20	Sq.m			
12	Supply, laying & fixing of Cu pipes, 5/8" braided hose drain pipes, power supply cables, foams for 1.5TR split AC's as per Scope & technical specification at Schedule 'A'(additional)	50	m			
13	Supply, laying & fixing of Cu pipes, 5/8" braided hose drain pipes, power supply cables, foams for 2.5TR Tower AC's as per Scope & technical specification at Schedule 'A'(additional)	50	m			
<b>TOTAL(Exclusive of G.S.T)</b>						

(In Words Rupees \_\_\_\_\_ only exclusive of GST)

**Note: The rates quoted shall be inclusive of freight, packing & forwarding, insurance but excusive of GST. Applicable GST shall be paid extra as applicable.**

**Date:**

**Signature:**

**Place:**

**Name:**

**Address:**

**Office Seal of firm**