

## Bid invitation

### Information

Description:EMN2/Repair/Reconditioning of 7T AC Unit  
Bid invitation number:6300035885  
Version: 1

### Bid invitation rules

Bid invitation currency: INR  
**Timezone:** INDIA  
**Submission period:** 28.04.2021 17:00:00  
**Opening date:** 28.04.2021 17:15:00  
**Created On:** 20.04.2021 10:30:41

### Bid invitation text:

#### GENERAL TERMS AND CONDITIONS

1. Delivery Terms: FDD/FOR BEML, KGF.
2. Payment Terms: 60 Days from receipt & acceptance of item. For Micro/ Small Enterprises, it is 45 Days.
3. Micro & Small enterprise bidders to indicate Udyog Aadhar Memorandum number (UAM) and declaration of UAM on CPPP in their bid.
4. Quote should be valid for minimum 60days from the date of Bid opening. Bids with validity of less than 60 days are liable for rejection.
5. Firm to indicate GSTIN and applicable GST in their Bid.
6. Firm to indicate HSN CODE for the items in the items in the Bid invitation
7. Firm to indicate the time requirement for supply.
8. Warranty for the material to be specified.
9. Firm to indicate complete specification and other connected details in their Bid.
10. L-1 evaluation will be based on total (Including material and Installation and Commissioning) landed cost of technically accepted Bids.

#### NOTE:-

1. In e-Bidding system – if you need any type of assistance, please contact Mr. Krishna Mohan (Ph No.080-22963269/22963141 & Email-admin.srm@beml.co.in)
2. Please contact given below mail Ids for any type of technical clarification.

i)emnkgf@beml.co.in

ii)hn@beml.co.in

ii)gse@beml.co.in

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## ANNEXURE-A

TECHNICAL SPECIFICATIONS FOR ONE TIME REPAIR OF 7TR INDOOR UNIT FOR DUCTABLE PACKAGED TYPE AC UNIT AT CAD CENTRE OF R & D DIVISION

PART "A": SCOPE OF SUPPLY FOR EACH INDOOR UNIT ASSEMBLY INCLUDES:

1. INDOOR UNIT: 01 No.

Consisting of Evaporator unit with drier and expansion valves along with 3 motor blower unit (DIRECTLY COUPLED or BELT DRIVEN) housed in suitable Readymade/In-situ fabricated MS enclosure (with Angled frame/channel type) and suitable for interfacing with existing ducting system. Also panel shall have 75mm to 100mm height base made with Channel section or I section or fabricated type frame (thickness of minimum 5mm) with arrangement for grouting.

Indoor unit Make:

VOLTAS/TOSHIBA / CARRIER / BLUESTAR / GODREJ / HITACHI / KIRLOSKAR / FEDDERS LLOYD / DAIKEN / VOLTAS / LG / SAMSUNG or OTHER REPUTED MAKE/COMPANY FABRICATED TYPE

Motor make:

KIRLOSKAR / SIEMENS / CROMPTON / WEG/ ABB / BBL/BROWN BOVERI/LHP or REPUTED Make.

2. CONTROL PANEL (MAIN CONTROL PANEL + REMOTE PANEL): 01 No.

Control panel shall consist of Main Control panel & Remote Control panel and details are as below:

i) MAIN PANEL

Suitable Main control panel shall be supplied as an integral part of Indoor unit or as a separately fabricated MS enclosure/Readymade unit external to the indoor unit. Main control panel is to be interfaced with Remote control panel (wired type) inside the CAD centre. Shall have the following

a) Suitable rated contactors, Over Load Relays(OLR) for condenser fan motors, compressors and evaporator fan motor and protective accessories viz. HRC fuses, Single phase preventer, other accessories like Elmex connectors /DIN rail connectors of reputed make for wiring terminations of suitable rating, proper Brass cable glands etc.

b) Main switch/MCB of reputed make with suitable rating to be provided in the main control panel at the input mains- AS REQUIRED.

c) Individual controls for blower and a compressor through push button switches only.

d) LED indicators for Blower fans and Compressor ON,OFF and TRIP indications.

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### ii) REMOTE CONTROL PANEL - 1No.

Remote control panel/box shall be of aesthetically good looking with proper sized/consists of

a) Suitable ON-OFF control provision for blowers, compressors through push button switch arrangements only.

b) LED indicators for Blower and Compressor ON, OFF and TRIP indications.

c) Suitable rated Digital temperature controllers of programmable type with LCD or LED display indicators and suitable sensor cables shall be provided inside the CAD centre for monitoring- 1 no.

3. Panel shall be of Siemens Grey/White painting

4. Cable entry thorough with suitable PVC/NYLON glands

5. Eco friendly Refrigerant-407A for above system- AS REQUIRED.

6. Suitable Flexible PVC copper cables for interfacing Main control panel and Remote control panel and other connections- ONE LOT/AS REQUIRED

7. Required Copper tubing for making end termination with existing outdoor unit, required hardware items, Thermal insulation materials etc.- ONE LOT

8. Drain system with braided nylon flexible pipe or with other better arrangement.- AS REQUIRED.

9. Other miscellaneous materials like suitable PVC pipes, hardware and others required at the time of installation/repair/reconditioning- AS REQUIRED.

10. Panel shall be easily accessible for maintenance and serviceable.

### PART "B": SCOPE OF WORK FOR EACH UNIT

The Firm shall carryout the Installation/Repair/servicing by interfacing the new indoor unit with the existing AC Ducting systems/arrangement and outdoor unit along with the accessories mentioned above in PART A , along with required refrigerant with following:

i) Repair of Ducts at the existing interfacing area (Canvas/Tarpaulin couplings with Gip opening for inspection) and Dampeners (repair/replacement)

ii) Electrical up-gradation and Modification

iii) Interfacing of controls to the separate remote control box located inside the CADCENTRE

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- iv) Fabrication works if needed.
- v) Mounting of Remote control panel/box with digital temperature controllers inside the CAD center and related wiring work to be done.
- vi) After Installation/Repair/servicing, firm shall ensure operating Temperature of 23±3 C° to be maintained inside the CAD CENTRE.
- vii) Any other miscellaneous works arises during reworks.
- viii) Wiring diagram with BOM to be submitted to the user department for approval before supply and installation.
- viii) Warranty from date of installation:-1 year

NOTE: Firms are requested to visit the site before quoting/participating in the tender process to assess the conditions and for making wired remote control panel with temp controllers at different locations inside the CAD center.

\*Firm to indicate their acceptance to the above terms and conditions.

Attachments:

Digital Signature

Bid invitation details

Item	Product	Description	Vendor product number	Delivery date/ performance period	Quantity
1	RD366GTI0060	7/7.5 TR INDOOR AC UNIT - DUCT TYPE		00:00:00	2 NO
	Basic Price		INR	_____	
	CGST - Central GST		%	_____	
	SGST - State GST		%	_____	
	IGST -Integrated GST		%	_____	
	UTGST		%	_____	
2		INSTALLATION AND COMMISSIONING			2 JOB
	Basic Price		INR	_____	
	CGST - Central GST		%	_____	
	SGST - State GST		%	_____	
	IGST -Integrated GST		%	_____	
	UTGST		%	_____	