



CORRIGENDUM

Tenders for

Supply, Installation, Testing and Commissioning of Ductable inverter type Air-conditioning units for A2 Hall.

Reference Nos.:

1. NITT/EMD/EE/AE(E)/Tender Notice/Enq.No.03/19-20 dt:10.07.2019
2. Minutes of the pre-bid meeting held on 17.07.2019 at 11.30AM in the Dean (P&D) Chamber

With reference to the pre-bid meeting held on 17.07.2019 at 11.30AM in the Dean (P&D) Chamber, the purchase committee recommends a few minor modifications in the tender document. The committee also recommends publishing these changes as a corrigendum with the following sections in the tender document (CHECK LIST, SUPPLY OF WORK & PRICE BID). Also, in the drawing, existing single capacity of 13.5TR is split into 8.5TR & one 5.5TR in 2 locations. Further, the committee recommends that the successful L1 bidder will be expected to submit the drawing and get the approval from Engineer In-charge before the execution of work.

The name of work can be read as “**Supply, Installation, Testing and Commissioning of Ductable inverter type Air conditioning units for A2 Hall**” in place of “Supply, Installation, Testing and Commissioning of Ductable inverter type Air conditioning units for A2 Hall.(13.5 TR & 8.0 TR with suitable AHU)”.

Check list – Technical bid

Sl.No.	Item/ Requirement from the Bidder	Bidders Response should be definite, complete and legible. Use separate sheet wherever necessary.
13	Supply of 8.5TR-2Nos & 5.5TR-1Nos capacity fully inverter - ductable type Air-conditioning systems comprising fixed with energy efficient inverter scroll compressor along with grooved copper tube/aluminum fins air cooled condenser coil with hydrophilic blue fin anticorrosion coatings, liquid accumulator, low noise aluminum propeller condenser fan with all suitable assembled neatly heavy duty GI sheet metal cabinet and duly powder coated. The operating refrigerant (any eco friendly) should be like R-407C/R410A, with suitable heavy duty – ceiling suspended Indoor units. Quantity each 1 No.	(To be filled all the detailed information is mandatory)
	Brand: BlueStar/Carrier/Voltas/ LG/Daikin/Toshiba/ Mitsubishi	

	MAKE: (Please enclose product pamphlets for technical details going to supply) Model: Capacity: No. of compressors: Type of compressors: Warranty period:	
14	Ceiling suspended Indoor Unit suitable for above said 8.5 TR - 2Nos and 5.5TR -1Nos capacity units with all accessories Quantity each 1 No. MAKE: (Please enclose product pamphlets for technical details going to supply)	(To be filled all the detailed information is mandatory)

SUPPLY OF MATERIALS

S.No.	Description	Unit	Approximate Qty.
01.	Supply of 8.5TR-2Nos & 5.5TR-1Nos capacity fully inverter - ductable type Air-conditioning systems comprising fixed with energy efficient inverter scroll compressor along with grooved copper tube/aluminum fins air cooled condenser coil with hydrophilic blue fin anticorrosion coatings, liquid accumulator, low noise aluminum propeller condenser fan with all suitable assembled neatly heavy duty GI sheet metal cabinet and duly powder coated. The operating refrigerant (any eco friendly) should be like R-407C/R410A, with suitable heavy duty – ceiling suspended Indoor units. Make: BlueStar/Carrier/Voltas/ LG/Daikin/Toshiba/ /Mitsubishi MAKE:	No.	Each - 1No.
02.	Ceiling suspended IndoorUnit suitable for above said 8.5TR -2Nos and 5.5TR capacity inverter type units with all accessories Quantity - each 01 No MAKE:.....	No.	Each - 1No.
03.	Supply and fixing of 28.58/22mm refrigerant pipe made out of hard drawn copper including accessories, jointing/brazing etc. duly insulated with 19mm thick nitrile tubular rubber sections to prevent condensation with suitable adjustable ring type hanger supports etc. complete as required (The correct size of pipe has to be worked out by the vendor and the number of circuits shall match the vendors equipment). Long Bend to be used to avoid Pressure drops	Rmt.	As required
04.	Supply and fixing of 15.88/12.7mm refrigerant pipe made out of hard drawn copper including accessories, jointing/brazing etc. duly insulated with 13mm thick nitrile tubular rubber sections to prevent condensation with suitable adjustable ring type hanger supports etc. complete	Rmt.	As required

	as required (The correct size of pipe has to be worked out by the vendor and the number of circuits shall match the vendors equipment). Long Bend to be used to avoid Pressure drops		
05.	Eco-friendly refrigerant or equivalent like R-407C/R410A (Based on manufacturer)	kg	20
06.	Supply & fixing of G.I. sheet metal ducting for supply air mixing, air distribution, complete with following thickness (gauge) i/c nut bolts & gasket etc. as required.- as per drawing, site inspection & reliability at site. 24 G - 0.60 mm - Rectangular /22 G -0.80 mm Rectangular	Sq.Mt.	As required
07.	Communication and power cable for interconnect to Indoor and Outdoor unit and control panel.	Rmt.	As required
08.	Flexible canvass Duct connection	Lot	02
09.	Acoustic insulation of the ducting with 10 to 15 mm thick open cell nitrile rubber.	Sq.Mt.	25
10.	Powder coated -tile replacement - Square type - 4 way Diffusers	Nos.	09
11.	Powder coated aluminum linear fixed bar Grille for return Air	Sq.Mt.	05
12.	Thermal insulation for the supply air ducting carried out of 9 mm thick aluminum foil lamination	Sq.Mt	125
13	Sound attenuators for the supply and return ducting.	Nos.	02
14.	Wall mounting Digital thermometer	Lot	01
15.	Installation of UPVC drain piping (25 mm) from indoor unit with suitable U trap fitting and consumables.	Rmt	15
16	Required fasteners for all above installations	Lot	01
17	Including of all civil work related with AC installation work	Lot	01

PRICE BIDTender No. & Date: **NITT/EMD/EE/AE(E)/Tender Notice/ENQ.NO. 03 /19-20**

Name of the Bidder:

SUPPLY ITEMS – PART A						
S. No.	Description	Unit	Qty	Basic Rate in Rs.	GST in % Rs.	Total Amount Rs.
(A)	<p>Supply of 8.5TR-2Nos & 5.5TR-1Nos capacity fully inverter - ductable type Air-conditioning systems comprising fixed with energy efficient inverter scroll compressor along with grooved copper tube/aluminum fins air cooled condenser coil with hydrophilic blue fin anticorrosion coatings, liquid accumulator, low noise aluminum propeller condenser fan with all suitable assembled neatly heavy duty GI sheet metal cabinet and duly powder coated. The operating refrigerant (any eco friendly) should be like R-407C/R410A, with suitable heavy duty – ceiling suspended Indoor units.(With Remote control Wired and Wireless for each units)</p> <p>Complete Set (Indoor and Outdoor units) (BlueStar/Carrier/Voltas/ LG/Daikin/Toshiba/ /Mitsubishi)</p> <p>Make:</p> <p>Model No:.....</p> <p>Compressor details:</p> <p>(to be specified)</p>	8.5 TR	2No.			
		5.5 TR	1No.			
Total Amount (PART - A)						

INSTALLATION& OTHER ACCESSORIES – PART B

S. No.	Description	Unit	Qty ** (aproximate)	Basic Rate in Rs.	GST in % Rs.	Total Amount Rs.
(B) 1	Installation, Testing, & Commissioning of above quoted 8.5TR-2Nos & 5.5TR-1No capacity - condensing unit and suitable ceiling suspended indoor units and outdoor unit with MS angle structural painted frame work etc. as required	LOT	3 Nos.			
2	Supply and fixing of 28.58/22mm refrigerant pipe made out of hard drawn copper including accessories, jointing/brazing etc. duly insulated with 19mm thick nitrile tubular rubber sections to prevent condensation with suitable adjustable ring type hanger supports etc. complete as required (The correct size of pipe has to be worked out by the vendor and the number of circuits shall match the vendors equipment). Long Bend to be used to avoid Pressure drops	Rmt	As req.			
3	Supply and fixing of 15.88/12.7mm refrigerant pipe made out of hard drawn copper including accessories, jointing/brazing etc. duly insulated with 13mm thick nitrile tubular rubber sections to prevent condensation with suitable adjustable ring type hanger supports etc. complete as required (The correct size of pipe has to be worked out by the vendor and the number of circuits shall match the vendors equipment). Long Bend to be used to avoid Pressure drops	Rmt	As req.			
4	Eco-friendly refrigerant or equivalent like R-407C/R410A (Based on manufacturer)	kg	20			
5	Supply & fixing of G.I. sheet metal ducting for supply air mixing, air distribution, complete with following thickness (gauge) i/c nut bolts & gasket etc. as required.- as per drawing, site inspection & reliability at site. 24 G - 0.60 mm - Rectangular /22 G -0.80 mm Rectangular	Sqm.	As req.			

S. No.	Description	Unit	Qty ** (approximate)	Basic Rate in Rs.	GST in % Rs.	Total Amount Rs.
6	Supply and laying following sizes of FRLS PVC insulated flexible copper conductor cable of 650 Volts grade for Control / Communication i/c providing and laying of 20 mm ISI marked medium class pvc conduit on surface / recess, cutting the wall and making good the same so as to match with the original finish, where ever required etc. as required (Between Indoor & Outdoor Units and for remote control units)					
6.1	2C X 1.0 sq. mm shielded un armoured communication cable	Rmt	30			
6.2	3C X 1.5 sq. mm power cable for IDUs	Rmt	30			
7	Flexible canvass Duct connector	Nos.	03			
8	Acoustic insulation for the initial portion of supply air ducting. with 10 to 15 mm thick open cell nitrile rubber	Sqm	25			
9	Powder coated -tile replacement - Square type - 4 way Diffusers included GI Black painted Collar Dampers.	Nos.	11			
10	Powder coated aluminum linear fixed bar Grille for return Air	Sqm	5			
11	Supply and installation of thermal insulation for the supply air ducting carried out of 9 mm thick aluminum foil lamination.	Sqm	125			
12	Sound attenuators for the supply and return ducting.	Nos.	02			
13	Installation of UPVC drain piping (25 mm) with insulation from indoor unit with suitable U trap fitting and consumables for 3 Indoor units. Note: Required fasteners, small civil work related with above AC installation work included – & F.O.R.-NITT	Rmt.	25			
Total Amount (PART - B)						

(Rupees.....only)

**** Visit our site to evaluate and submit lowest offer accordingly.**

SUPPORT FOR CAMC (After completion - warranty period) - PART C						
S. No.	Description	Unit	Qty	Basic Rate in Rs.	GST in % Rs.	Total Amount Rs.
01	CAMC charges for 2nd year	-	22.5TR			
02.	CAMC charges for 3rd year	-	22.5TR			
03.	CAMC charges for 4th year	-	22.5TR			
Total CAMC for another 3 years						
(Rupeesonly)						

S. No.	PRICE BID – DETAILS	Total Amount including GST Rs.
01.	Supply of Inverter Ductable Air conditioners - PART – A	
02.	Installation and other Accessories - PART - B	
Total cost (A +B)		
Additional warranty for 3 years PART - C		
Overall cost including CAMC - Total A+B+C		