



**TATA MEMORIAL CENTRE  
ADVANCED CENTRE FOR TREATMENT RESEARCH AND EDUCATION IN CANCER (ACTREC).**

A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA

Tender No:	TMC/ACTREC/Engg/SP/ET-25/ductable Aircooled/KS 156/2021.
Tender Name:	SITC of Ductable Aircooled unit at KS 156, ACTREC

**Financial Bid  
Sheduled of Quantity**

Sr.no	Description	Qty.	Unit	Rate	Amount
1	<b>Air Cooled Package AC units:</b> Supply & Installation, testing and commissioning of floor mounted air Cooled Package AC Units ( Duct connection type) having capacity 11 TR with scroll compressor. The indoor units shall be floor mounted type. The indoor unit shall comprise of Fan, Cooling Coil, Filter and Expansion device. The Outdoor unit shall comprise of Hermetic scroll compressors. Air cooled condenser & condenser fan. If multiple compressors are offered, they shall have independent refrigerant circuits. Also, Compressor shall be cut-off automatically under part load conditions. The units shall have microprocessor controls. Scope shall have include all supports an mounting frame for the indoor and outdoor units and connect the indoor door with ducts, Volume Control Dampers as per requirement for installation. The units shall be selected for Ambient Conditions as specified. The units shall be factory assembled and only the refrigerant piping carried out at site. The contractor shall arrange to provide suitable arrangement to grout on the wall/floor. The rate to include is all respect including refrigerant charging, oil, all hardware's, drain pipes of suitable size, welding, inter connecting cables, mounting frame for indoor and outdoor unit etc. for commissioning the system. (Cost of Copper piping shall not include and will be paid as per actual.) Make:Daikin/Carrier/Trane	1	Each		-
2	<b>Supply &amp; Installation of Refrigerant Piping:</b> All refrigerant piping shall be of copper, complete with supports between indoor & outdoor units duly insulated with 13mm Nitrile rubber with GC cloth insulation.RMT indicated is for set of piping between indoor and outdoor machine, (individual piping will not be measured] All Exposed Cable, piping should be laid in ladder/perforated type tray with enclosure. Make: Mehta, Mandev Tube, Rajco.				-
2.1	1 1/8" ,5/8" Copper piping or equivalent to the system.	30	Mtrs		-
3	<b>SITC of power/Control cables</b> between indoor and outdoor unit. Complete with termination, ferruling, gland fitting etc. All Cable should be laid in GI tray. Finolex/ Polycab /RR Kabel.	50	Mtrs		-
4	<b>GI DUCT:</b> Supply, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications and as per SMACNA standard of following sheet thickness complete as required. Make: TATA, Jindal, Sail.				-
4.1	Thickness 0.63 mm sheet ( 24 SWG)	15	Sqmtr		-
5	<b>Insulation:</b> Supplying and fixing of following thickness duly laminated aluminum foil of mat finish closed cell Nitrile rubber (Class "0") insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required. Make: K-Flex, Armaflex, Armacell.				-
5.1	13 mm	20	Sqmtr		-

6	SITC PVC drain pipe having pressure holding of 6kg/cm2 Drain piping complete with all accessories with 12mm Nitrile Rubber Insulation. Make: Prince, Supreme,Kisan.				-
6.1	Dia 25mm	5			-
7	Supply, installation, testing and commissioning of <b>GI volume control duct damper/Non Return damper</b> 18 guage GI. frame & 20 guage GI blades complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc, as per specifications. Make: Greenheck / Ruskin Titus / Trox /Cosmos	1	sqmtr		-
8	Supplying, Fixing,testing and commissioning of fusible link type fire dampers in supply air duct/main branch and return air path as and where required of required sizes . The damper shall also be closed in the event of fire signal complete as required and as per specifications. Make: Greenheck / Ruskin Titus / Trox /Cosmos.	1	sqmtr		-
9	Supply & fixing of Fire retardant synthetic canvass connection with a provision to measure the canvass temperature at the mouth of package units & plenum with all fixing arrangement, nut bolts, hardware's etc. as directed for above package units.	3	Nos		-
10	Shifting of existing 2 nos unit 11TR Carrier make package AC into same AHU room as per space suitability for installation of third unit with required modification of cablling, piping, Gas charging and re commissioning of the system etc to run the units. Note: Rate shall be quoted in this items inclusive of above all mentioned items.	1	LS		-
				<b>Total</b>	-

Note

- 1 The agency is requested to visit the site to know actual scope of work.
- 2 Rate shall be basic and GST as applicable.
- 3 Material required at site should be assessed by the agency and bill will not be settled for excess/supplied items.
- 4 Bill will be settled as per actual measurement.
- 5 Deviations/suggestions may be put on separate page in order to attain higher quality performance. Component authority reserves full right to accept or reject any kind of changes.
- 6 Agency will have to prepare detailed drawing/ plan of work & obtained approval before execution. Agency will have time bound work schedule for carrying out the work.
- 7 Agency will have guarantee of at least 1 years for all installation **after completion of project.**
- 8 Agency will have to maintain the installation by undertaking preventive maintenance on regular basis for smooth operation during defect liability period. **Montly service** to be provided during defect liability period.
- 9 Payment will be released for consumed quantity on satisfactory completion on providing necessary
- 10 All above items of this schedule shall be approved make and approval to be taken before installation.
- 11 Civil work require for the project is in a scope of contractor.
- 12 Drain water from the pipe line in the scope of contractor as per instruction of OIC-ES.