

TECHNICAL COMPLIANCE FORM		
Ref: Tender No: ACTREC/PUR/2022-23/TC/155		
TATA MEMORIAL CENTRE		
ADVANCED CENTRE FOR TREATMENT, RESEARCH & EDUCATION IN CANCER		
TECHNICAL SPECIFICATION OF :- " CO2 incubator-1 No. "		
Intended Use: Direct Heat, Air Jacketed CO2 Incubator which should be capable to give a temperature up to 60degC		
Sr. No.	Name of the Vendor :	
A	Technical Specifications / Scope of supply	COMPLIANCE 1) Mention "Complied /Not Complied" 2) Highlight any deviations. 3) Mention part number/Catalogue number of the relevant item quoted.
B	Name of the Manufacturer :	
C	Country of Origin:	
D	Model Name / Model No. of the Equipment (If the equipment is a combination of more than one equipment then list down the model no. pertaining to each)	
E	Year of Introduction Internationally	
F	Year of Introduction in India	
H	Technical Specifications/Scope of supply	
I	" CO2 Incubator ", complete as per below mentioned configuration and specifications:	
J	Features and specifications required:	
1	Internal capacity-Should between 40 to 50 litre.	
2	Temperature management of at least 5°C above ambient upto 60°C.	
3	Temperature control and stability should be + 0.1°C.	
4	Temperature uniformity should be + 0.4°C @37°C	
5	CO2 gas range should be at least 0.2 – 20%	
6	CO2 recovery rate of at least 0.7%/ minute, up to 90% setpoint.	
7	In built alarm for temperature and CO2 - user programmable high/low	
8	The chamber interior should be formed from a single sheet of stainless steel of highest quality with deep-drawn and seamless design for increased capacity and easy during cleaning.	
9	Should have six-sided direct heating elements to ensure even distribution of heat to the entire incubator chamber.	
10	Should be fanless design to reduce chance of contamination, reduce noise level, minimum air turbulence and bigger usable capacity.	
11	Should have building management system relays.	
12	Should have a large backlit display with on screen help menus, control and data logging of temperature, humidity, CO2 door openings, alarms and optional O2 gases for at least 72 hrs of historical data.	
13	Should have separate single inner glass door for monitoring of samples without disturbing conditions of the chamber.	
14	Should come with an inline pressure regulator to ensure less gas consumption and prevent overshooting of pressure which shortens life span of incubator.	
15	Should come with a removable humidity tray for easy cleaning and refilling of distilled water.	
16	Should have infra-red CO2 sensor with "autozero" function to ensure accuracy of sensor automatically and can withstand at least 120°C during high temperature disinfection.	
17	The incubator should come with standard perforated stainless steel shelves- atleast 2 nos. and able to fit up to5- 6 shelves as options.	

18	Should have a manual humidity control of 90-97% at 37 °C. Humidity pan should be removable.	
19	Should have optional O2 control of 1-19 % or 0.1-19 % for dedicated applications.	
20	Should have optional High-Temperature Disinfection (HTD) of at least 120 °C for 4 hrs, and entire Disinfection/Sterilisation cycle (including heating up & cooling down) taking 10 hrs or lesser.	
21	Should come with optional 2-split inner door to reduce loss of gas and reduce temperature changes during door opening.	
22	Should come with optional humidity monitoring & alert system.	
23	The footprint should not exceed 2300 cm2 for saving bench space.	
24	The height of the incubator should not exceed 65 cm and two incubators are stackable with optional stacking kit. (Size need to be mentioned.)	
25	The weight should not exceed 50 kg for portability purpose.	
26	The Equipment should be USFDA/European CE/BIS/ICMED Approved.	
27	Performance parameter required as below: (like accuracy, sensitivity, sample volume requirement, resolution or such performance parameters to be highlighted)	
28	IQ/OQ/PQ should be provided.	
29	Upgradability capability (List down possible upgrades for the quoted model)	
30	On-Line UPS/Voltage Stabilizer requirements-Incase, if required, then provide with the equipment	
31	Regulatory Approvals, If any. Details with copies of approvals.	
32	Safety requirements: It should follow International / national safety requirement. Please specify certification with certifying agency and country with copies of certificate.	
33	Should conform to safety standards: EN 61010-1 1993, EN 50081-1 1992, EN 50082-1 1992.	
34	User's list: A list of installations with the address and contact numbers to be provided. (User list should be for the quoted model.)	
35	Input power supply requirements: 240 V AC \pm 10 %, 50 Hz, single phase. Specify if any other power supply requirement is recommended.	
36	After Sales Service Support.	
37	1. Complete operational manuals and technical information should be provided. 2. Company should provide technical support for hardware and software, spares and consumables. 3. Company should provide required spares and consumables for at least 7 years even after discontinuation of the model. 4. Bidders who do not qualify this criteria shall not be considered. Bidder should provide address of the authorized service centre and details of number of personnel with training credentials.	
38	Preinstallation Requirements :- Provide details of preinstallation requirements, special ambient conditions, if any, space requirement, any other special needs.	
39	Installation, Commissioning, testing and Training	
40	Unpacking and Shifting the consignment to the installation site is to be included in the scope of supply. Bidder/manufacturer/authorized service provider should take responsibility to lift/shift the consignment from unloading site to the installation site . Unloading site shall be "Stores Department, KS Building, ACTREC Campus". If needed, Bidder has to arrange for the labourers at no charge to ACTREC. (Before submitting the quotation, bidders may visit ACTREC to know unloading site and installation site)	
41	Installation,Commissioning and Training is included in the scope of supply. Bidder, Manufacturer and/or its authorized representative should undertake installation and commissioning of the equipment.	
42	Warranty and after sales support	
43	Warranty : 2 Years comprehensive-on site- factory warranty for the entire equipment system. All third party and bought out items, accessories, attachment, software etc. integrated with the system should also be covered by 2 years factory warranty from respective manufacturers. The vendor should perform 4 nos. of preventive maintenance services/ year, all breakdown visits and QA/QC as per prescribed protocol during the warranty period.	

44	AMC: AMC is freezed at 1.5% per annum on ex works cost (exclusive of applicable GST) for 8 years after warranty. It will included 4 preventive maintenance/ year and all breakdown visits.	
45	Important terms to be noted by the bidders:	
46	<u>Read the above scope of supply carefully and quote accordingly. Incomplete and /or partially complete offers are liable to be rejected.</u>	Agree/Not Agree
47	Manufacturer/bidder should clearly indicate typical life span / Life expectancy of the quoted equipment.	-- years
48	Item/Equipment quoted should not be a second hand/refurbished/on verge of obsolescence/outdated model. Similarly, after award of contract, the item supplied should be a newly manufactured item	Agree/Not Agree
49	After opening of the Technical bid (Part-1), Physical demonstration of the quoted model may have to be shown / arranged by the bidder, if requested by the Institute. Physical demonstration may be shown at one of the end user's site/Principle company's application lab/manufacturing site located in Mumbai/Navi Mumbai/Thane cities. If there are no installations of the quoted model in Mumbai/Navi Mumbai/Thane cities, then the quoted model may have to be brought in at ACTREC for demo purpose within 10 days from the date of request . Physical Demonstration may be requested to confirm the availability of any or all technical features as mentioned/stated in the technical bid. Physical Demonstration will also be a part of technical evaluation process. If the bidder does not comply, such bids are	Agree/Not Agree
50	Past experience of the bidders in terms of quality of supplied equipments, after sales service and application support will be taken into consideration while technical evaluation.. Bidders who has unsatisfactory past experience in last 2-3 years, in terms of quality of supplied equipments, after sales service and application support, bids of such bidders may liable to be rejected.	Agree/Not Agree
51	Complete and detailed information should be provided in respect to each point specified in the specifications. <u>Technical bids that are incomplete in any respect are liable to be rejected.</u> Provide relevant supportive information, publications, catalogue, etc. Bidders providing misleading or wrong information are liable to be rejected. All technical claims should be printed in the technical brochure of the equipment.	Agree/Not Agree
52	If any contradictory statements /figures/information is observed in the compliance chart and in the technical bid, then the technical information mentioned in the product literature/brochure will be considered true and further evaluation will be done based on the information given in the product literature/brochure. Regarding the warranty and free AMC terms, information quoted in the technical bid will only be taken as valid terms.	Agree/Not Agree
53	Compliance column may be filled with relevant data, figures, range etc. as applicable. Do not just mention "YES / NO / Complied ".	Agree/Not Agree
54	Declaration by the bidder	
55	We have quoted for all the items meeting the description/scope of supply in the Financial bid as per prescribed format of the Tender documents and we agree that Partial/incomplete offers are liable for rejection.	Yes/No