

Equipment **laboratory incubator shaker with stabilizer**

S.No	Technical specification	Complied (yes or No)	If compliance given, mention the page no. of your technical document where the details are provided.
1	Lab scale Stackable Refrigerated Incubator Shaker as a two separate stackable units with following specifications		
2	Universal Shaking Platform should be capable of holding at least 36 Nos. of 100 ml flasks (or) 25 Nos of 250 ml flasks (or) 16 Nos of 500 ml flasks (or) 9 Nos of 1L flasks (or) 5 nos of 2L flasks (or) 4 nos of 5L flasks (or) 2 nos of 6L.		
3	There should be provision for at least one adjustable stationary tray for incubation.		
4	Shaking frequency should be at least 25-400 RPM (even when stacked) at a minimum 25 mm orbit and with a maximum deviation of +/-1 RPM		
5	Clamps should be made of single piece stainless steel material (without welding) and leaves tied with three springs.		
6	Universal Shaking Platform should be of size 18" X 18" and should be capable of using assorted clamps, Test tube racks or Sticky mat.		
7	External dimension of one equipment should not exceed (W x H X D) 800 x 865 x 750 mm		
8	Temperature range should be 5°C to 80°C with an accuracy of +/- 0.1° C at 37°C		
9	Absolutely smooth movement ensuring silent operation		

10	Should be microprocessor based PID control system with digital LED or LCD display and control via digital keypad or touch screen.		
11	Movement of the shaker should be Magnetic (or) Triple Eccentric Counter balanced drive, driven by Brushless Motor for low maintenance.		
12	Equipment should have Audio & Visual alarm for temperature deviation		
13	High-grade insulation on all sides of the equipment for uniform temperature maintenance.		
14	MOC should be of MS powder coated steel exterior and stainless steel interior		
15	Unit should be with front open door with toughened double glazed glass window for Sample viewing without opening the door.		
16	Equipment should have Non-Volatile memory with automatic power failure restart and door opening sensor.		
17	Should be possible for incremental / decrement speed control of 1RPM and Temperature control of 0.1° C.		
18	Only Standard Models should be quoted and custom made products strictly will not be considered.		
19	Manufacturer should be renowned ISO 9001- 2015 certified Company with a record of minimum 20 Number of installations in reputed Govt. of India organizations like Central Universities, IIT's, IISER's, CSIR, DRDO, ICAR institutions etc. Complete user list of the Model Quoted with contact details such as email & mobile numbers preferably with the name of the end user should be enclosed with quotation.		
20	20. Valid CE Certificate mentioning the Model quoted must be submitted.		
21	At least 5 Satisfactory Performance Certificates from Government/reputed organization of the equipment model quoted must be enclosed.		

22	Details of Related published document, web links and list of publications in support of your claims on the equipment supplied/manufactured by you must be enclosed.		
	If necessary, the equipment has to be demonstrated in our laboratory/in manufacturer's facility (for Indigenous manufacturers only) or at any nearby installed place.		
24	Should be supplied with suitable stabilizer.		
25	Non-volatile memory with automatic restart		
26	It should have smooth running capacity during full load and no load		
27	Voltage and plugs adopted to meet Indian conditions		
28	The manufacturer must have the management system certified by ISO9001		
29	Certificate should be provided that the instrument was calibrated at the factory		
30	All standard accessories and consumables and part require to operate to be included in the offer.		
31	31. The steel part of the equipment should be made with non corrosive steel (Grade 304 and above)		
32	The equipment should be supplied with double booster stabilizer		
33	Equipment should be calibrated at the factory and calibration should be traceable		
34	Warranty & Service: The equipment should be supplied with 1 year warranty, 2 year comprehensive annual maintenance contract (include spares and service visit) and 2 year Annual maintenance contract (only service visit). Immediate response upon system failure should be guaranteed. Response to service calls should happen within 48 hours.		
	Others:		

35	The unit must be quoted by Original Equipment Manufacturer's with Sales and service support facilities in India through their branch office / Indian Agent (or) Indian agent with extensive sales (Minimum 5 years) and service support in India representing foreign principals / Original Equipment manufacturers. The Indian agency / dealership certificate with details of sales and service support should be enclosed with the technical bid.		
36	The firm should provide necessary original documentary evidence of the features of the offered model in the technical bid to facilitate proper technical evaluation.		
38	Purchase orders, contact details and user satisfactory reports of the quoted model from Nationalized or reputed laboratories all over the India must be shared with quotation.		
39	Complete installation and testing the main system and the accessories to their specifications done at the site of installation free of cost. All utility requirements for installation and running the system should be mentioned in the offer.		
40	Please indicate the year in which the model offered was introduced into the market and confirm whether the spares for the system would be available for a minimum period of 10 years and shall not be obsolete within five years of procurement.		
41	Special discount on list price for all spare parts must be given up to 10 years.		
42	Availability of local service support and response time for a service call during and after warranty specified.		
43	✓ Technical specification are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the purchaser's satisfaction that the substitutions ensure substantial equivalence or superior to those designated in the "Technical Specifications		