

BOSE INSTITUTE
KOLKATA

Tender No.	:	BI/Bio-phy/2013-14/03
Tender date	:	19.06.2013
Type of Tender	:	Open

Tender Title	:	PLANT GROWTH INCUBATOR (Floor standing Model)
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Specification : Inner Chamber size approximately 24×18×48 inch (W×D×H).
 Inner chamber made of 5mm thick polycarbonate sheet, milky white color with one glass door.
 Outer body made of high quality aluminum sandwich sheet, finished by MS sheet with hard powder coating, full puff insulated.
 Inside illumination capacity:- 0-20,000 LUX (40,000 LUX optional) with mostly white fluorescent lights and few yellow lights.
 Day and night time set by 24 hour timer.
 Inner chamber temperature control system: Temperature range 10°C to 50°C and it is controlled by proportional-integral-derivative controller (P.I.D. controller) temperature cooling system. Uniform refrigeration system with air circulation via a fan. Turbulence cause by the fan should be minimized.
 All refrigeration devices must be ISI standard including gas filter, drier, heat, exchanger, pressure control valve, liquid indicator.
 All refrigeration line should be made of copper 99% and fully puff insulated.
 Heavy duty air cool Compressor from reputed brand, sealed type, 220 volt operated, sound level 60 db (Max.) and normal vibration.
 Humidity controller along with humidifier: 30% to 90% RH with digital controller and sensor.

Instrument Safety :

- (i) Electrical shock / leakage breaker.
- (ii) Complete High/ Low Current/ Voltage breaker.
- (iii) Audio / visual alarm for over Temperature and protection device.
- (iv) Safety connection for water supply and drainage, including water hose lose.
- (v) Hydraulic over temperature protection/ low water level warning and cut out.
- (vi) Complete miniature circuit breaker (MCB) and residual current circuit breaker (RCCB) protection.

Optional accessories:

- (i) Built in stabilizer with display
- (ii) Digital LED/LCD temperature data display

Quantity	:	01 No.
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Last date & time for submission	:	01.07.2013 not later than 1.00 p.m
Date & time for opening of bids	:	01.07.2013 to be opened at 2.30 p.m

Submission of Tender (Address)	:	Department of Biophysics, Annex Block, Centenary Building, Bose Institute addressed to The Registrar, Bose Institute, P-1/12, C.I.T. Scheme VII-M, Kolkata-700 054
Venue of bid opening	:	Department of Biophysics, Annex Block, Centenary Building, Bose Institute P-1/12, C.I.T. Scheme VII-M, Kolkata-700 054
For any query the interested bidders may contact(Dept./Section/Div./Unit)	:	Department of Biophysics Contact No. 2569 3336

General Terms & Conditions:	:	
Warranty	:	02 Years (ISO certified manufacturer would be preferred)
Payment terms	:	Payment will be made after complete delivery of the material in good condition and satisfactorily installation
Delivery schedule	:	After receipt of the purchase order the equipment should be delivered within one month & if any defect of the supplied item is found, it should be replaced immediately from your side.
Bid security (earnest money deposit), if applicable	:	N A.
Submission of Performance Bank Guarantee (PBG), if applicable	:	N A.
Any other information (if applicable)	:	
<i>Name of the Tender title, Tender No. & dt. and submission of tender should be mentioned on the envelope positively.</i>		
Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons therefor.		

Registrar
19.6.2013