Date: 22-08-2025

Quotation Date: 25-04-2025



CSIR-Indian Institute of Integrative Medicine

GST : 01AAATC2716R1ZT Email : , Contact :

PURCHASE ORDER

PO No: IIIM/2025-26/Open Tender/CAP/362

Quotation No: Bid id 844458

To : Prabhavi Biotech and Trading Pvt. Ltd.

25, Karambhumi, Near Hanuman Mandir, Samaspura Road,

Samasgarh, Bhopal-462044 Madhya Pradesh

Vendor GST: 23AAGCP1654A1ZZ Email:bpatel.ashvi@gmail.com

Contact :9827743006

Manufacturer:

25, Karambhumi, Near Hanuman Mandir, Samaspura Road,

Samasgarh, Bhopal-462044 Madhya Pradesh Manufacturer GST: 23AAGCP1654A1ZZ

Tender ID GEM/CPPP/Manual: 06(63)/2024-P

Tender date:11-04-2025

Other Ref/Clarifications :Clarifications dated 30.05.2025 and 13.06.2025

Dear Sir/Madam

Please arrange to supply the items or provide the services noted below, before the delivery scheduled strictly on the terms and conditions stated below. Kindly acknowledge the Purchase Order. The Tender Document also forms part of this Purchase Order/contract unless and otherwise superseded by this Purchase Order.

SI.No.	Description Of Item Details	Unit	Quantity	Rate	Discount	Basic Cost	IGST	Amount
1	Renovation and upgradation of green house facility at CSIR-IIIM, Jammu The detail of the work description, scope of work and the corresponding technical specifications of the Instruments are outlined in the attached Annexure-I	Nos	1	2780000.00		14 14 15		2780000.00
2	AMC for the First Year	Nos	1	70100.00	0.00	70100.00	0.00	70100.00
3	AMC for the Second Year	Nos	1	70100.00		70100.00		
4	AMC for the Third Year	Nos	1	89800.00		89800.00		The state of the s
5	AMC for the Fourth Year	Nos	1	94000.00		94000.00		200000000000000000000000000000000000000
5	AMC for the Fifth Year	Nos	1	94000.00	0.00	94000.00		94000.00
				Total	0.00	3198000.00	0.00	3198000.00

Total Order Value: 3198000

Delivery On or Before: 13-11-2025

Delivery Location: Main Stores CSIR-IIIM, Canal Road,

Jammu

MSE/NonMSE,Women,SC/ST :MSE Other charges / Description : 0 /

Price Basis: Free Delivery

Other Terms & Conditions

SI.No. Terms And Condition

1 - F.O.R. Central Stores, CSIR-IIIM, Jammu.

5, 10:	57 AM				
2	- GST inclusive				
3	- Delivery/Performance within 8-12 weeks from the receipt of Purchase Order.				
4	We want on Green house Facility 24 months warranty after Renovation and upgradation of Green house				
5	- Warranty on Instruments: 24 months warranty on all installed devices (ACs, Heaters, Humidillers, Control Panel				
6	- The PAR LED lights should be provided for a two years run in the Green House. If required, additional drifts should				
7	No. of Vicite during Warranty: 02 Preventive Visits Annually and unlimited breakdown visits as and when required.				
	ANG (Appeal Maintenance Contract) will start after the expiry of the 2-year warranty period, at the quoted rate.				
8	No. Of Visite during AMC: 02 Preventive Visits Annually and unlimited breakdown visits as and when required.				
9	- Payment for Green House Facility: On bill basis with in 30 days after Renovation and Opgraduation of Green House				
- 12	Facility. - Payment for AMC: Payment on annual basis, with in 30 days of submission of invoice along with AMC report.				
11	Payment for AMC: Payment on annual basis, with it is days or season to the submitted of the total order value +60 days beyond the warranty period. PBG: 03% performance security should be submitted of the total order value +60 days beyond the warranty period.				
12	- PBG: 03% performance security should be submitted of the total of th				
13	of the temperature, light, and humidity as detailed in the specification must be met by these devices. The gree house should be in the working condition after the renovation and up-gradation with the specified parameters, a mentioned in the annexure-I. Minor civil work may be required which will be carried out by M/s Prabhavi Biotech and the specified parameters.				
14	under the contract				
15	All correspondence and hills related to this supply must Mention the number and date of this order.				
16	- The payment claim should be submitted in three copies along with the bill and receipt. The original copy must be				
17	- No payment shall be made other than what is mentioned in the order. We shall not be bound by any printed to				
18	- The items of the order should be packed in such a manner that they can withstand all kinds of risks until delivery				
19	- All items that are not approved or differ from the purchase order will be returned./ You must take back all dames and rejected items at your own cost and risk within a specified period; otherwise we will dispose of the items as				
20	 If the supply is not Made within the stipulated time period, a delay supply charge (LD Clause) of 0.5% per well subject to a maximum of 10% of the purchase order value, will be deducted. Please ensure that the supply is more than the stipulated time period (upless the time period has been extended by IIIM). 				
2	- The Director, IIIM Jammu shall have the right to cancel the purchase order without assigning any reason, in case				

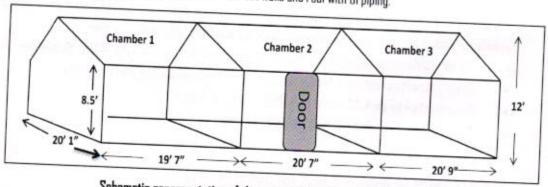
SO / SPO / COSP / Sr.COSP

(For and On behalf of Council of Scientific and Industrial Research) প্রাং एব ক্লয় अधिकारी

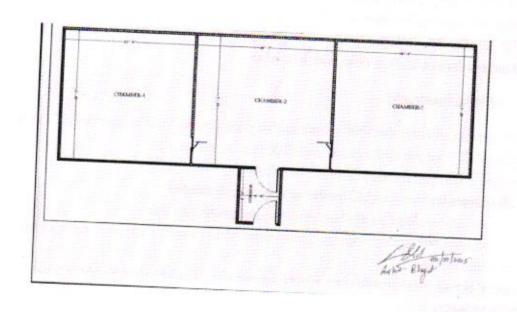
नकार एवं क्रयं आधकारा Stores and Purchase Officer भारतीय समवेत औषघ संस्थान Indian Institute of Integrative Medicine नहरं मार्ग, जम्मू तवी - 180 001 Canal Road Jammu Tawi - 180 001

RENOVATION AND UPGRADATION OF GREEN HOUSE FACILITY AT CSIR-IIIM

- Description: The green house of CSIR-IIIM, Canal Road, Jammu has following dimensions. The drawing is attached. The green house has three compartments. The structure is
- The dimensions (L×W×H) are $60'11'' \times 20'1'' \times 12'$ with 12' being the highest height, and 8.5' being the lowest height. For the reference, the drawings are given as under:
- Structure is an concrete and with polycarbonate sheet walls and roof with GI piping.



Schematic representation of the green house along with dimensions



Specification

(1) Temperature (Sensors Brand/Make: ROTRONIC)

The temperature set range in each chamber is required to be 20°C to 28°C degree centigrade or better, with an accuracy and uniformity of ± 2.0 0 C or better, irrespective of ambient temperature. The provision of temperature set should be ± 2 0 C or better. To achieve this specifications of cooling and heating devices are as under:

Air-conditioners

Two industrial air-conditioners/heavy duty air-conditioners each with a minimum of 2 Ton capacity should be installed in each chamber of the green house. (Total six numbers) AC MAKE: Carrier

- The air-conditioning should have facility to be controlled through PLC (PLC MAKE, Schneider / Delta/SIEMENS)
- Cooling capacity in each chamber by two ACs should be approximately ISKw or better
- Air circulation by each AC should be 4300m3/ Hour or better
- The input power should be 380-415 V, 50 Hz or better

Heater (Brand/Make: Prabhavi Biotech and Trading Pvt. Ltd.)

- In built auto cut thermal device/heater of 2.4 KW capacity
- The thermal device should have steel heating elements with 900 RPM (or better) speed fan to blow the hot air
- Knobs should be there to regulate the front louvers.
- The body of the heater should be insulated.
- It should have fin type back for proper air intake,
- Input 200-240 VAC, 50 Hz Single phase
- Total 9 thermal devices/heaters, three in each chamber

(2) Lights (Brand/Make: Fluortronix)

- Photo synthetically active radiation (PAR) suitable for plant growth, provided by LEO Lamps each of 75 watts
- PAR radiation LED lamps should have range from 400-800 nm spectrum or better
- Power supply of LED lamps should be 100 to 265 VAC or better.
- Total 36 numbers (or more), with 12 number or more in each chamber
- The quality and quantity of light should be controlled independently for each chamber by PLC.
- The peak light intensity in terms of PPFD should be a minimum of 300 μ mol/m²/s or better at 4 feet from the floor in each chamber.
- There should be provision of dimming of the lights (a minimum of four levels from low to high/ or better) separately for each chamber

(3) Humidification system (Brand/Make: Blue Star)

- There should be option for the additive humidity in each chamber through mist humidifier (One in each chamber, total three in No.)
- The droplet size should be in the range of 1-10u
- Power input 500-1200 Wt
- Air volume up to 350 m³/hrs
- Working temperature 0-42 degree or better
- Voltage cycle 220VAC/50Hz
- Usable area up to 80 s-m
- Dimension (mm): 500 ×430×420 or better
- Humidification capacity: up to 10 Kg/Hr
- Should be able to provide maximum humidity of 90% or better in the chamber

(4) Control Panel for the three chambers: (Brand/Make: Prabhavi Biotech and Trading Pvt. Ltd.)

- A control panel for setting and monitoring of light (intensity, photoperiod), temperature and humidity parameters in each chamber separately should be installed.
- The panel should be with a LCD touch screen of 7" size or better
- It should have provision to set temperature (temperature set should be ±2 °C or better).
- It should be able to set the photoperiod in different temperature.
- It should be able to set humidity (humidity set 5% or better)
- It should be able to set the light intensity (a minimum of four levels from low to high/ or better)in each chamber
- It should have data storing and logging system for temperature.
- Data transfer option using Pen drive, and directly to PC
- The LAN connectivity should be there to control and monitor the controller parameters
- The control panel should have alarm feature to convey deviations in the set parameters.

(5) Replacement of PC sheet (Brand/Make: V-Lite)

- Approximately 100 square meter of polycarbonate sheet (PC) is estimated to be required for the replacement.
- Impact performance of PC should be -40 °C to 120 °C degree
- Both side of the PC should be UV stabilized
- U. L. Temperature rating of PC: 100°C
- K value of 3.5 W/m²K
- Light transmission 78-80%
- PC should be able to provide excellent thermal insulation
- Safe fire performance
- Fixing by aluminum stripping and silicon

Mund

(6) Air curtain (Brand/Make: Ashvac Solution)

- An air curtain should be fixed at the entrance of the main gate which should be of heavy duty with auto on/off
 when door opening/ closing.
- Size should be minimum 3'
- Cabinets of the air curtain should be made of powder coated steel sheets
- The blower should be made of high quality aluminum sheets with ½ HP motor and double blower system
- Maximum air velocity of 2lm/s or better.
- Max. RPM 1400 or better Min RPM: 1100 or better

Additional requirements (Brand/Make: Lux Sensor with IB)

It is a turnkey project. All the devices detailed above will be installed by the vendor. After installation, the parameters of the temperature, light, and humidity as detailed in the specification must be met by these devices. The green house should be in the working condition after the renovation and up-gradation with the specified parameters, which have been given above. Minor civil work may be required. The wiring for the electricity will have to be conducted by the vendor. The wires should be of high quality and durable (Electric Wire Brand/Make: Polycab). The electrical fittings including wires should comply the existing safety norms. The cables used for the electrical fittings should be specified as FRLS (Flame Retardant Low Smoke). The vendor should have experience of conducting same/similar work at minimum three government R&D institutes/universities.

Warranty

 Two years of warranty should be provided by the vendor on all installed devices (ACs, Heaters, Humidifiers, Control Panel, wiring, air curtain etc...) from the date of installation.

The PAR LED lights should be provided for a two years run in the green house. If required, additional units should be provided.

- During the warranty period, a minimum of two preventive maintenance visits will have to be done, and breakdown visits will be done as and when required.
- AMC charges should be quoted for five years on an annual renewal basis after the expiry of warranty period with minimum two preventive visits and break down visits, as and when

required (per annum).

