

**UDYOGINI**

D-17, Basement, Saket , New Delhi  
Delhi -110017

**Tender No. UDY/ DUMB-TRI & MP/AXIS /26-27/001**

**TERMS & CONDITIONS**

Online e-tenders are invited in two bid system i.e. Technical Bid and Financial Bid by the only authorized distributors/dealer dealing in the trade for the purchase of following item(s) **on 26/09/2026 by 05:30pm** off-line/physical bids shall not be accepted and no request will be entertained on any ground/reason: -

| Sl. No. | Name of the item                                                             | Qty. | Installation period / Delivery Day | Location                                               |
|---------|------------------------------------------------------------------------------|------|------------------------------------|--------------------------------------------------------|
| 1.      | Supply, Installation & Commissioning of Mushroom Spawn Production Laboratory |      | 7-10 Working Days                  | Dumburnagar-Tripura<br>&<br>Karanjiya - Madhya Pradesh |

The technical specification of required item (on general basis) is enclosed with this form at **Annexure-A.** Bidders are advised to quote their rate/price after careful study of the tender specifications and other associated requirement as well as the following terms and conditions: -

1. The document can be downloaded from website: <http://www.udyogini.org>
2. Last Date of Submission of Tender Quotation **on 26/09/2026 by 05:30pm** at **[tender@udyogini.org](mailto:tender@udyogini.org)**
3. The online technical bids will be opened on **27/09/2026 at 12:00hrs** by **Udyogini**
4. **Only GST REGISTERED agencies are eligible to fill this tender.** Interested agencies shall quote their GST Number in their quotation and also attach legible scanned documentary proof of having registered with GST department for such store/items etc. with the technical bid.
5. Tenderer would not be permitted to alter or modify their bids after expiry of the deadline for receipt of Bids.

6. Submission of on-line scanned copies of unwanted/irrelevant documents/out of contest document to disturb/misuse the online procurement system will be taken seriously and stringent action will be taken against such bidders, besides action for rejection of bids and blacklisting of firm will be initiated.
7. **Conditional tender will not be accepted.**
8. **Optional tender will not be accepted.** The firm should have to quote for all the model as specified in technical bid. It is the decision of Management to opt any of the model either own Server or Cloud Server
9. In case, the firm does not complete the supply within the delivery period, liquidated damage charges will be charged @ 0.5% (half percent) of total cost per week (07 days) of the item, which may be charged maximum up to the limit of 10%.
10. The price must be filled in the excel sheet as per proforma price schedule **Annexure "A"**. Nothing over and above the quoted price would be payable to the successful bidder. The bidder must quote the price both in words as well as in figures. The option in the rates will not be entertained and the tender will be rejected straightway.
11. The Bid shall remain valid for **60 Days** from the date of opening of the tender.
12. The quantity of the items mentioned in the tender notice can be increased or decreased, at any stage till the delivery of consignment is completed.
13. After examination of the technical bid and price bid, the purchase committee will have discretion to award the contract to more than one firm
14. **Payment terms: 10% as Advance, 70% after dispatch and 20% after receipt and verification within 10 working days. Sub-standard material will not be accepted.**
15. The Purchase Committee reserves the right to relax any terms and condition in the organization interest with the approval of Competent Authority.

16. All disputes are subject to the jurisdiction of the Courts in the N.C.T. of Delhi.
17. The Purchase Committee reserves the right to reject any tender or all tenders without assigning any reasons thereof.
18. In case of any differences, the firm can be called for negotiation to patch up the differences on table prior to approaching court.
19. In case of violation of any clause of contract/agreement deed, the explanation of the firm can be called by issuing show cause notice, if the reply is not found satisfactory. Action for blacklisting can also be taken prior to taking any legal action.
20. All the bidders whose technical bid is declared qualified by the Purchase Committee will have to demonstrate their product before the Technical Evaluation Committee for assessing its suitability/compatibility as per tender's Technical Specifications within short notice.
21. The bidder should carry a comprehensive warranty/guarantee of subjected equipment. The firm should have to submit an undertaking in this regard with the technical bid of the tender.
22. The Competent Authority reserves the right to reject/scrap/call off any tender or all tenders without assigning any reason(s) thereof on the recommendations of the Purchase Committee/Purchaser or at his own.
23. The purchase committee, in order to satisfy itself can order on the spot enquiry to verify the soundness & capability of the item and any other information given by the tendering firms.

**Annexure A:**

**Technical Bid \***

| S1. | Equipment / Item                        | Minimum Technical Specification / Requirement                                                                                                                                                                                                                                                                                           | Qty. |
|-----|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1   | Laboratory Autoclave / Steam Sterilizer | Vertical or horizontal laboratory/commercial type; SS chamber; minimum chamber capacity 150 L; minimum working pressure 22 PSI as per source requirement; pressure gauge; safety valve; interlocking/locking system; temperature indication; drain; suitable baskets/trays; electrical protection; supplied with validation/calibration | 1    |

|    |                                     |                                                                                                                                                                                                                                                                                         |       |
|----|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|    |                                     | certificate. Supplier shall state maximum practical substrate-bag loading per cycle and cycle time.                                                                                                                                                                                     |       |
| 2  | BOD Incubator                       | Digital temperature-controlled incubator; working range covering approximately 20–30°C; set-point suitable for 25°C incubation; forced-air circulation; uniform temperature control; digital display; over-temperature protection; minimum 300 L internal capacity; adjustable shelves. | 1     |
| 3  | Laminar Air Flow Cabinet            | Vertical or horizontal type; minimum 4 ft working width; HEPA-filtered clean air; SS work surface; blower; pre-filter; UV provision with safety interlock; fluorescent/LED work light; low-noise operation; suitable for aseptic inoculation and culture transfer.                      | 1     |
| 4  | Clean / Inoculation Room Provision  | Dedicated enclosed aseptic work area for laminar-flow operation; washable surfaces; insect-proofing; controlled entry; adequate ventilation; easy-to-clean floor/walls; electrical points; provision for sanitation. Supplier/installer to indicate room layout and utilities.          | 1 lot |
| 5  | Laboratory Refrigerator             | Approximately 150–200 L; suitable for short-term storage of culture/spawn; temperature display; lockable preferred.                                                                                                                                                                     | 1     |
| 6  | Digital Weighing Balance – Platform | Capacity minimum 30 kg; readability suitable for bag/substrate weighing (preferably 1 g or better); SS platform; tare function; calibration provision.                                                                                                                                  | 1     |
| 7  | Digital Thermometer / Hygrometer    | Digital monitoring of incubation/storage conditions; minimum two units.                                                                                                                                                                                                                 | 2     |
| 8  | Stainless Steel Work Tables         | SS 304 work tables, smooth and corrosion resistant, easy to clean; adequate for substrate preparation, bag filling and laboratory operations.                                                                                                                                           | 2     |
| 9  | Storage / Drying Racks              | SS/MS powder-coated or equivalent washable racks with multiple shelves; suitable for bags, culture materials and clean equipment.                                                                                                                                                       | 2     |
| 10 | Spawn Bag Filling / Weighing Setup  | Dedicated cleanable work station and measuring setup for consistent filling of spawn bags; suitable for target batch size                                                                                                                                                               | 1 lot |
| 11 | Inoculating Needles / Loops         | Sterilizable laboratory inoculating needles/loops for mycelial transfer; SS/nichrome or equivalent laboratory grade.                                                                                                                                                                    | 4–6   |
| 12 | Culture Tubes with Caps             | Autoclavable culture tubes with secure caps; suitable for culture maintenance; laboratory grade.                                                                                                                                                                                        | 20–25 |

|    |                                                 |                                                                                                                                                               |       |
|----|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 13 | Erlenmeyer / Conical Flasks                     | Borosilicate, autoclavable; suitable for culture/media preparation; mixed sizes 250-2000 mL.                                                                  | 6-10  |
| 14 | Measuring Cylinders                             | Borosilicate/plastic laboratory grade with clear graduations; mixed capacities.                                                                               | 2-3   |
| 15 | Grain Substrate - Wheat/Rice preparation vessel | Clean, good-quality grain suitable for the selected mushroom spawn protocol; free from mould, insects and foreign matter.                                     | 1 lot |
| 16 | Funnels                                         | Laboratory/food grade, heat/chemical resistant; mixed sizes.                                                                                                  | 2     |
| 17 | Spirit Lamps / Alcohol Burner                   | Laboratory grade with cap and wick; heat-resistant construction.                                                                                              | 2     |
| 18 | UPS / Power Backup for Critical Controls        | Suitable backup for incubator temperature monitoring/control and essential laboratory electronics; capacity to be stated by supplier based on connected load. | 1     |

**Basic consumable requirement for trial run:**

|   |                                       |                                                                                                                                                                                   |              |
|---|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1 | Spawn Bags                            | Autoclavable polypropylene/polyethylene bags or equivalent, suitable for mushroom spawn production; appropriate thickness and heat resistance; supplied in production quantities. | 700-750 Nos. |
| 2 | Grain/substrate                       | Approximately 600-700 kg finished spawn equivalent                                                                                                                                | 600 kg       |
| 3 | Rubber Bands / Closures               | Good-quality bands/closures suitable for securing spawn bags/cotton plugs.                                                                                                        | 600 nos      |
| 4 | Dextrose                              | Laboratory/food grade, suitable for culture media preparation.                                                                                                                    | 2 kg         |
| 5 | Agar Agar                             | Laboratory/food grade, suitable for culture media preparation.                                                                                                                    | 1 kg         |
| 6 | Calcium Carbonate                     | Suitable grade for substrate pH conditioning.                                                                                                                                     | 10 kg        |
| 7 | Rectified Spirit / Laboratory Alcohol | Suitable grade for laboratory sanitation and sterilization use; supplied in compliant labelled containers.                                                                        | 10 L         |
| 8 | Sanitation / Cleaning Chemicals       | Approved laboratory sanitation materials. Any chemical requiring special handling shall be supplied with SDS/MSDS and compliant labelling.                                        | 10 L         |

|    |                                                      |                                                                                                                                            |           |
|----|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 9  | Bottle / Equipment Cleaning Brushes, Soap, Hand wash | Laboratory-grade brushes suitable for cleaning bottles, flasks and equipment.                                                              | 2-3nos    |
| 10 | Disposable Examination / Laboratory Gloves           | Suitable disposable gloves for aseptic handling.                                                                                           | 500 pairs |
| 11 | Laboratory Aprons                                    | Reusable washable laboratory coats/aprons.                                                                                                 | 4-6 nos   |
| 12 | Protective Masks                                     | Disposable/protective masks suitable for laboratory operations.                                                                            | 200 nos   |
| 13 | Installation & Commissioning & Training              | Complete installation, testing, demonstration, basic operator training and commissioning of all supplied equipment. & Training for 2 cycle | 2 cycle   |

### **3. Production-Capacity Compliance Requirement:**

- The supplier shall submit a brief production-capacity calculation demonstrating how the offered equipment can support
- The calculation shall state: expected batch size, number of sterilization cycles/day, practical autoclave loading per cycle, incubation capacity, expected process loss/rejection allowance, and expected finished output.
- Any deviation in capacity, chamber volume, working dimensions, temperature range, filtration class, electrical load or other minimum specification shall be clearly identified in the quotation and shall require purchaser approval.

### **4. Supplier Deliverables:**

- Item-wise technical compliance statement against every specification.
- Make, model, country of origin and manufacturer details for all major equipment.
- Dimension, connected electrical load and utility requirements.
- Warranty certificate and manufacturer manuals.
- Operator orientation/training for supplied major equipment.
- Recommended preventive-maintenance schedule and list of critical spare parts.
- Declaration of all deviations before purchase order.

**\*Note:**

## Key Requirements for Quotation

1. **Experience:** Vendor should mention relevant experience in Mushroom Spawn Production Laboratory installation and commissioning, including **location and number of installations** completed. Photographs of previous installations may also be shared for quality assessment.
2. **Annual Maintenance Service (AMS):** Vendor should provide an **AMS option for 4–5 years**, covering maintenance, servicing, troubleshooting, and on-site support whenever required.
3. **Transportation & Logistics:** Since the units will be installed at **two different locations**, transportation/logistics costs, if any, should be considered accordingly:
  - **Tripura – Dumburnagar**
  - **Madhya Pradesh – Karanjia**

Vendors should clearly mention whether transportation and related logistics are **included or charged separately**.