



## ODISHA BIODIVERSITY BOARD

Forest, Environment & Climate Change Department, Govt. of Odisha  
Regional Plant Resource Centre Campus  
Ekamrakanan, Nayapalli, Bhubaneswar-15, Odisha  
Tel No.0674-2552006 Email: msobb@rediffmail.com  
www.odishabiodiversityboard.in

No. Estt.151/OBB/2023/5840

Date: 21.03.2023

### TENDER CALL NOTICE FOR SUPPLY OF "INCUBATED SHAKER"

Sealed tenders are invited from reputed firms/agencies/authorized dealers having valid registration certificates, PAN and GST clearances certificates towards supply of good quality "INCUBATED SHAKER" to Odisha Biodiversity Board as per the specifications and quantity given in this advertisement. Interested firms need to collect the tender paper either from the office of OBB or from the website of OBB ([www.odishabiodiversityboard.in](http://www.odishabiodiversityboard.in)) and submit with all the required documents in sealed covers super scribed as **Bid for supply of "INCUBATED SHAKER"** to Member Secretary, Odisha Biodiversity Board, Regional Plant Resource Centre Campus, Nayapalli, Bhubaneswar-15, Odisha. The tenders along with all the enclosures should reach the undersigned on or before **5.30PM of 04.04.2023**. The firms should be able to supply the material within 30 days of issue of the work order. Interested firms may visit the office of OBB during office hours for more clarification before submitting the tenders. The tenders will be opened at **3.00PM on 05.04.2023** by the "Tender Committee" in the presence of bidders who wish to remain present.

  
21.03.2023

Member Secretary  
Odisha Biodiversity Board

## Terms and Conditions

### 1. Sale of Paper:

The tender papers, containing the detailed specifications of Incubated Shaker will be available at Odisha Biodiversity Board, Bhubaneswar from **22.03.2023** (during the office hours only), on payment of a non-refundable tender fee in-cash or in shape of pay order/demand draft drawn in favour of "**Odisha Biodiversity Board**", payable at **Bhubaneswar (Annexure-I)**. The same can also be downloaded from our website [www.odishabiodiversityboard.in](http://www.odishabiodiversityboard.in) and in such a case, the cost of tender paper is to be enclosed in shape of D.D./Bankers Cheque drawn in favour of "**Odisha Biodiversity Board**", payable at **Bhubaneswar** along with the tender. In case of any bid amendment and clarification, responsibility lies with the tenderers to collect the same from the notice board/ website of OBB before last date of submitting the tender document. Non-payment of cost of tender paper will amount to rejection of the tender.

### 2. The Last Date:

The last date of receipt of tender documents is **04.04.2023 (up to 5.30PM)**. The Technical bids will be opened by the Tender Committee of OBB on **05.04.2023 (at 3.00PM)** in presence of the authorized representatives of the tenderers who like to be present at that time. The date of opening of the financial bids of technically qualified tenderers will be notified latter.

### 3. Bid System:

a) The tender should be submitted in **two bid system** i.e., "**Technical Bid**" and "**Financial Bid**". The technical bid contains documents as per the tender terms along with cost of tender paper in appropriate shape. The technical documents need to be submitted matching all the specification of the equipment. In addition, the documents regarding the eligibility criteria of the participating firm mentioned below. The technical bids containing information on price, directly or indirectly, will be liable for rejection. The technical bids and financial bids required to be submitted in two separate envelopes clearly mentioning on top of the envelope "**Technical Bid**" and "**Financial Bid**" respectively and both of these should be placed in a big envelope marked with **supply and installation of "Incubated Shaker"**.

b) Specifications of the "Incubated Shaker" are given in **Annexure-II**.

c) Financial bid contains only the price bid, need to be provided as per the format

given in **Annexure-III**.

d) The rates quoted by the tenderer shall be valid for a period of 90days from the date of submission of tender.

4. The tenders which do not fulfill the conditions shall not be considered and OBB shall be entitled to accept or reject any offer in part or full without assigning any reason thereof.
5. Earnest Money: Earnest Money Deposit (EMD) of Rs. 10,000/- to be submitted in the form of demand draft in favour of Member Secretary, Odisha Biodiversity Board.
6. The sealed tenders will be received by **Speed post/Registered post** and can also be put into "**Tender Box**" available in the office of the **OBB**. Telegraphic tenders or tender received through fax/ e-mail /electronic mode/ courier will not be accepted. Incomplete documents and documents received after due date & time shall not be considered.
7. The sealed tenders shall be submitted and addressed to the **Member Secretary, Odisha Biodiversity Board, Regional Plant Resource Center Campus, Nayapalli, Bhubaneswar-751015**.
8. Each page of the quotation documents must be duly signed and stamped by the quotationer as a token of acceptance of all the terms & conditions of the quotation.
9. Penalty can be levied by authority of OBB on account of delay, violation of conditions and non-performance of the contractor. Decision of Chairman, OBB shall be final in this regard.
- 10.No advance payment will be made by OBB. Full or Part payment will be released by the Board only after finishing the item of work in all respect.
- 11.Selected firm should supply the material within **30 days** from issue of work order. However, OBB reserves the right to extend the time limit on valid grounds and decision of Chairman or Member Secretary shall be final in this regard.
- 12.Payment will be made after verification of the received materials and OBB is entitled to take suitable action as deemed proper on violation of conditions.
- 13.The decision of the Member Secretary on short listing and selection of firm is final and no claim/ liability etc. would be entertained.

### Eligibility Criteria

- a) Submission of price (INR) as per prescribed format.
- b) Copy of PAN, GST registration certificate and up to date GST clearance certificate.
- c) Tender paper cost (Original receipt of tender paper) and EMD.
- d) Undertaking that the tenderer has not been blacklisted by any Govt. Organization/Institution.
- e) Undertaking that the quoted item qualifies the required technical specification.
- f) The firm should have the annual turnover of more than 1 crore during the year 2019-20, 2020-21 and 2021-22.
- g) The firms should give the authorization certificate form the parent company.
- h) All price should be F.O.R. OBB.

*Sd/-*

**Member Secretary  
Odisha Biodiversity Board**

Annexure-I

REQUIRED PAPER COST FOR SUPPLY OF "INCUBATED SHAKER"

Sl. No.	Name of the assignment	Tender Paper Cost in Rs.	EMD in Rs.
1.	INCUBATED SHAKER	400/-	10,000/-

*Sd/-*

Member Secretary  
Odisha Biodiversity Board

## SPECIFICATIONS

Sl. No.	Equipment	Technical Specifications	Quantity in no.
1.	Incubator Shaker	<ul style="list-style-type: none"> <li>i. Closed chamber shaker.</li> <li>ii. Fully controlled for temperature and speed.</li> <li>iii. Shaking Speed: 25 to 400 rpm with <math>\pm 1</math> rpm control.</li> <li>iv. Shaking orbit: 1" (2.54cm).</li> <li>v. Temperature range: 20°C below ambient to 80°C. Temperature accuracy should be within <math>\pm 0.1^\circ\text{C}</math> with a uniformity of <math>\pm 0.25^\circ\text{C}</math>.</li> <li>vi. Refrigeration: Hermetically sealed compressor uses CFC-free refrigerant.</li> <li>vii. Platform size: Aluminum Universal Platform should be 46cm X 46cm or higher.</li> <li>viii. Maximum capacity: Universal Platform 6 lt. flask 2 nos.</li> <li>ix. Universal Platform should accommodate 10ml, 25ml, 50ml, 125ml, 250ml, 500ml, 1lt, 2lt and 4lt clamps</li> <li>x. Should be possible to use test tubes, and micro plates stackable (72 plates maximum)</li> <li>xi. Drive Mechanism: Triple-eccentric counterbalanced drive.</li> <li>xii. Should have an adjustable-height shelf for added incubating or storing capability.</li> <li>xiii. Alarms: Audible and Visible</li> <li>xiv. Alarm should indicate when speed deviates more than 5 rpm or temperature deviates more than <math>1^\circ\text{C}</math> from set point, and when timer operation has expired.</li> <li>xv. Shaker should have a programmable controller offering up to 4 modes of Timer and Parameter Control for reduced user intervention.</li> <li>xvi. Timer: 0.01 to 99.59 hours or continuous mode</li> <li>xvii. On-board firm ware can program multiple parameters to temp and speed.</li> <li>xviii. Shaker control and data logging via RS 232 and remote computer running conventional lab management software or hyper terminal.</li> <li>xix. Shaker should have a Multi-function reservoir for chamber humidification; reduced sample evaporation and unit protection from spills.</li> <li>xx. Starts automatically after door opening and closing or power failure</li> <li>xxi. It should be possible to use the shaker on or under the bench or double stacked for space savings. System should not be more than 35" high.</li> <li>xxii. Display: Large, easy to read display screen</li> <li>xxiii. A single rotating knob selects all operating conditions.</li> </ul>	01

- |  |   |  |
|--|---|--|
|  | <ul style="list-style-type: none"><li>xxiv. Shaker should have an option for having 12-Port Gas Manifold, Humidity Monitor, UV Germicidal Lights and Culture Drawer.</li><li>xxv. System should be able to maintain set point during power interruption and restart when power resumes</li><li>xxvi. Acceleration circuit to prevent sudden start and stop should be available</li><li>xxvii. Should meet CSA, UL and CE standards</li><li>xxviii. Power requirement: 230V/50-60Hz</li><li>xxix. Photosynthetic light option must be available</li><li>xxx. Clamps: 250ml clamps-4nos &amp; 500ml clamps-4nos, 1lt Clamp-2nos, 2lt clamps-2nos must be supplied</li><li>xxxi. High quality safety features, Robust and must be durable.</li><li>xxxii. Supply of same model in at least 10 Government research/academic organizations in Odisha.</li><li>xxxiii. Minimum one-year warranty.</li></ul> |  |
|--|---|--|

*Sd/-*

**Member Secretary  
Odisha Biodiversity Board**

## FINANCIAL BID: DETAILED TECHNICAL SPECIFICATION AND PRICE

Item	Specification	Quantity	Instrument Price (INR)	Transportation and Fright Charge (INR) (F.O.R. OBB)	Total Price (INR)

Sd/-

Member Secretary  
Odisha Biodiversity Board