

SHORT TENDER DOCUMENT

Transcriptome Analysis for Sugarcane



Odisha Biodiversity Board
Nayapalli, Bhubaneswar-751015
Forest, Environment, and Climate Change Department

Government of Odisha

-Sd-
Member Secretary
ODISHA BIODIVERSITY BOARD
BHUBANESWAR



ODISHA BIODIVERSITY BOARD
Nayapalli, Bhubaneswar-751015, Orissa
Forest, Environment & Climate Change Department
Government of Odisha

File No. Estt.173/OBB/2021/ 5324

Date 19/08/22

Short Tender Call Notice for Transcriptome Analysis of Sugarcane

Sealed tenders are invited from reputed firms (Principal)/Authorized Agents/ Distributors/Dealers) engaged in RNA Transcriptome Analysis having valid VAT / GST registration for RNA sequencing and bioinformatics analysis. The technical specifications, other terms and conditions, and formats are available on the website www.odishabiodiversityboard.in, which can be downloaded for use. Interested parties may submit their tender through only Speed Post/ Registered Post/Courier service, or can also submit on the drop box located at the office of OBB, should reach the undersigned on or before **Dt. 02.09.2022 (5.00 PM)** positively. Incomplete tenders and tender documents received after the due date and time will not be considered. The undersigned reserves the right to reject any or all the tenders without assigning any reasons thereof.

Mihir K. Nayak
19.08.2022

Member Secretary

Memo No. 5325 & Dated 19/8/22

Copy to Notice Board of OBB, RPRC, CES, and ICZMP/ Dr. S. Nayak, Project Co-ordinator for uploading on the OBB website.

Mihir K. Nayak
19.08.2022

Member Secretary

Terms and Conditions for Transcriptome Analysis

1. Sale of Tender paper:

The tender papers, containing the detailed specifications of Transcriptome Analysis, list of documents to be submitted, etc. will be available at Odisha Biodiversity Board, Bhubaneswar/ website from **Dt. 20.08.2022** (during office hours only), on payment of a non-refundable tender fee (Rs. 420/-) in cash or in the shape of pay order/demand draft drawn in favor of **Member Secretary, OBB, payable at Bhubaneswar**.

2. The last date:

Last of receipt of tender documents in this office only by Speed Post/ Registered Post/ Courier Service / Drop Box is **Dt. 02.09.2022 (up to 5.00 PM)**. The Technical bids will be opened by the Tender Committee of OBB on **Dt. 03.09.2022 (at 11.00 AM)** 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 shall be communicated to them in due course of time.

3. Bid System:

a) The tender should be submitted in **two bid systems** i.e., “**Technical Bid**” and “**Financial Bid**”. Technical bid contains documents as per the tender terms along with the cost of tender paper in appropriate shape. The technical documents need to be submitted matching all the specifications. The technical bids containing price information, directly or indirectly, will be liable for rejection. The technical bid and financial bid are required to be submitted in two separate envelopes 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 “**Tender for Transcriptome Analysis of Sugarcane**”

b) Specifications of the Analysis are given in **Annexure-I**.

c) Financial bid contains only the price bid as per **Annexure-II**.

d) Quoted Price (INR) for Optional Items should have ‘individual rate’.

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

4. Eligibility Criteria

a) Submission of price (INR) as per prescribed format (**Annexure II**).

b) Copy of GST registration certificate and up-to-date GST clearance certificate.

c) Tender paper cost (Original receipt of tender paper).

e) Copy of PAN to be submitted.

f) Undertaking that the tenderer has not been blacklisted by any Govt. Organization/Institution.

g) Copy of recent past performance of the Transcriptome Analysis (certificate/relevant doc.). At least 5 performance certificates need to be provided.

5. Validity of Tender:

a) The tender shall remain valid for 180 days after the last date as specified in the tender.

b) Notwithstanding the above, the purchaser reserves the right to accept or reject any bids and cancel the bidding process and rejects all bids at any time before the issue of the work order.

6. Issue of Work Order:

a) The work order will be placed on the qualified tenderer whose bid will be selected by the purchaser before the expiry of the bid validity period. The terms of the accepted offer shall be incorporated in the work order.

b) The complete analysis should be completed within 90 days from the date of receipt of the confirmed work order as per the quality and specification of the equipment.

c) Any legal dispute arising out of this is subject to Bhubaneswar jurisdiction only.

-Sd-

**(Member Secretary)
Odisha Biodiversity Board
Bhubaneswar**

Technical Specifications

- Total No. of Sample: 6
- RNA Extraction by the company
- Technology to be used: Illumina HiSeq/Equivalent
- Sample Type: Total RNA (2 – 3 ug) per sample or fresh tissue sample
- Sample QC Methods: Agarose Gel, Qubit & Nanodrop
- Library QC Methods: Tapestation/BA
- Library Preparation: NEB/Illumina Kits
- Sequencing: SBS Chemistry Illumina
- Read Length: 2 x 150 bp
- Data Per Sample: 5-6 GB reads per sample
- GC content distribution of reads
- Read length distribution
- Sequence quality score distribution
- Base quality score distribution
- Complete analysis including differential gene expression analysis, statistical analysis, gene functional annotation, gene coverage depth, pathway analysis, Heat Map, Scatter Plot, Volcano Plot, etc.
- Support till paper publication
- The bioinformatics need to be carried out in the presence of representatives of the Odisha Biodiversity Board.
- Data Storage for 12 months.

Annexure-II

FINANCIAL BID: DETAILED TECHNICAL SPECIFICATION AND PRICE		
Specification	Quantity	Price (INR)
Single consolidated Price for Main System		
Less discount, if any		
Taxes, if any		
Total Price		