



OSMANIA UNIVERSITY  
HYDERABAD – 500007, INDIA

Ten. No.62/DBT-BUILDER/UCS/OU/2024

Date: 07-03-2024

SHORT TENDER NOTIFICATION FOR OUTSOURCING THE TESTING OF CLINICAL SAMPLE UNDER DBT – BUILDER PROGRAMME, OSMANIA UNIVERSITY

On behalf of Osmania University, sealed tenders are invited from the reputed contractors/ firms for Outsourcing of Testing of Clinical Sample under under DBT- BUILDER Programme. For further details, please visit our website [www.osmania.ac.in](http://www.osmania.ac.in) .

Coordinator  
DBT- BUILDER Programme,  
Univ. College of Science  
Osmania University



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**SHORT TENDER NOTIFICATION FOR OUTSOURCING THE TESTING OF CLINICAL SAMPLE UNDER DBT – BUILDER PROGRAMME, OSMANIA UNIVERSITY**

On behalf of Osmania University, sealed tenders are invited from the reputed firms / diagnostic centres to outsource the testing of clinical sample under DBT Builder Programme, Osmania University. The Tender document Should be obtained from the Osmania University official website [osmania.ac.in](http://osmania.ac.in) from 07/03/2024 to 14/03/2024. The tender consisting of two parts (i) Technical bid (ii) Commercial bid. Complete sealed tenders along with EMD of Rs. 10,000/- (Rupees Ten Thousand only) and Application cost of Rs. 2,000/- shall be submitted at the Office of the Project Coordinator, DBT- BUILDER Programme, Department of Genetics, UCS, Osmania University, Hyderabad – 500 007 on or before 14-03-2024 by 12. 00 P.M. Sealed tenders received after the due date and time will not be entertained. The Tenders will be opened on 14/03/2024 at 3.00 P.M. in the Committee Room, Registrar Office, OU, in the presence of the bidding firms. The detailed tender documents Should be obtained from OU website. Application cost and Tender Document Fee should be submitted along with the Technical Bid. Please note that the Application fee and EMD should be remitted through two separate Demand Drafts drawn in favour of the Coordinator, DBT Builder Programme, UCS, OU and enclosed to the Technical bid, failing which the tender bids are liable to be rejected. The bidder must have experience in execution of similar works in Government/Semi Govt./ Public Sector Undertaking/ Universities/ Private sectors

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## SHORT TENDER NOTIFICATION FOR OUTSOURCING THE TESTING OF CLINICAL SAMPLE UNDER DBT – BUILDER PROGRAMME, OSMANIA UNIVERSITY

Sub: Osmania University – Outsourcing the Testing of Clinical Sample under DBT Builder Programme - Tender Notification Issued – Reg.

Osmania University hereby invites open tenders from the reputed firms Diagnostic Centre for outsourcing the Testing of Clinical Sample Under DBT Builder Programme. You are requested to submit your competitive price in the sealed covers as per the technical specifications given below. The vendors are advised to quote the prices and taxes as applicable separately. Please note that the bidders are advised to visit the department for better understanding of the requirement before submitting the tender bids.

### Part – I

#### TENDER SCHEDULE

1. Name of the Tender : Outsourcing the Testing of Clinical Sample under DBT Builder Programme, UCS, OU
2. Sale of Tender Schedule : From 07/03/2024 to 14/03/2024 (11 A.M – 3.00 P.M.)
3. Closing date and time : 14/03/2024 by 12.00 P.M.  
(For receiving duly filled in tender bids)
4. Submission of Tender bids : Sealed tenders in two parts (i) Technical bid (Annex-I) & (ii) Commercial bid (Annex-II) should be submitted at O/o Coordinator, DBT Builder Programme, Dept. of Genetics, UCS, OU (on all working days)
5. Date, Venue & Time of opening : 14 -03-2018 by 4.00 P.M. in the Committee Room Registrar's Office, OU, Hyderabad – 500 007

Note: In case of unavoidable circumstances, if the tenders are not opened on the last day of submission in the presence of bidders or their authorized representatives, the subsequent date will be intimated in due course

6. Earnest Money Deposit (EMD) : EMD of Rs. 10,000/- (Rupees Fifty Thousand only) Payable through Demand Draft drawn on any nationalized bank in favour of The Coordinator, DBT BUILDER Programme, UCS, OU. The Tenders without accompanying demand drafts or insufficient demand drafts will not be considered and will be summarily rejected.
7. Payment Terms : No advance payment will be made. Payment will be arranged in accordance satisfactory submission of clinical testing report.

Part – II

TECHNICAL SPECIFICATIONS

WHOLE GENOME SEQUENCING

S.No	Particulars	
1	<b>Sample Type</b>	Peripheral Blood collected in EDTA tube
	<b>Nucleic Acid Isolation required</b>	Yes, DNA
	<b>Sequencer</b>	NovaSeqX plus
	<b>Read Length</b>	2X150bp Read length
	<b>Coverage / Depth</b>	30X
	<b>Data/sample</b>	~90 gb data/sample
	<b>RUO Analysis required</b>	Yes
	<b>Analysis Deliverables</b>	RAW data , VCF files for SNV, SV & CNV, RUO report with analysis methodology

WHOLE EXOME SEQUENCING

S.No	Particulars	
2	<b>Sample Type</b>	Peripheral Blood collected in EDTA tube
	<b>Nucleic Acid Isolation required</b>	Yes, DNA
	<b>Sequencer</b>	NovaSeqX plus
	<b>Read Length</b>	2X150bp Read length
	<b>Coverage / Depth</b>	80-100X
	<b>Data/sample</b>	~8 gb data/sample
	<b>RUO Analysis required</b>	Yes
	<b>Analysis Deliverables</b>	RAW data, VCF files, RUO report with analysis methodology

TOTAL RNA SEQUENCING

S.No	Particulars	
3	<b>Sample Type</b>	Blood Collected in PAXgene Blood RNA tube
	<b>Nucleic Acid Isolation required</b>	Yes, RNA
	<b>Sequencer</b>	NovaSeqX plus
	<b>Read Length</b>	2X150bp Read length
	<b>Coverage / Depth</b>	60 Million reads/sample
	<b>Data/sample</b>	~9 gb data/sample
	<b>RUO Analysis required</b>	Yes
	<b>Analysis Deliverables</b>	RAW data, Differential Expression Analysis (Control & Test sample details to be provided by the customer), List of up & Down regulated genes, Go Annotation & Pathway Analysis (Reactome pathway), PCA plot, Dendrogram, Volcano plot & Heatmap for Top20 up & down regulated genes. RUO report with analysis methodology.

## SMALL RNA SEQUENCING

S.No	Particulars	
4	<b>Sample Type</b>	Blood Collected in PAXgene Blood RNA tube
	<b>Nucleic Acid Isolation required</b>	Yes, RNA
	<b>Sequencer</b>	NovaSeq6000
	<b>Read Length</b>	2X50bp Read length
	<b>Coverage / Depth</b>	20 Million reads / sample
	<b>Data/sample</b>	~1 gb data/sample
	<b>RUO Analysis required</b>	Yes
	<b>Analysis Deliverables</b>	RAW data, Length summary plot, Differential Expression Analysis for known miRNAs (Control & Test sample details to be provided by the customer), List of up & Down regulated genes, Known miRNA identification, target prediction with functional annotation (Reactome pathway), Heatmap for Top20 up & down regulated genes, Novel miRNA identification, target prediction & functional Annotation, RUO report with analysis methodology.

### **LCMS Analysis: sample type- blood/tissue/cell lysates**

5	<ul style="list-style-type: none"> <li>• Molecular weight</li> <li>• Protein profiling</li> <li>• Label free quantification</li> <li>• Protein sequencing</li> <li>• PTM's</li> <li>• Disulphide bridge analysis</li> <li>• Impurity profiling</li> <li>• Quantification of free and bound amino acids</li> <li>• Quantification studies using MRM</li> <li>• Bio-informatic analysis of MS Data</li> </ul>
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## PART – III

### TERMS & CONDITIONS OF THE TENDER

1. The Firms should submit their tenders duly enclosing two separate Demand Drafts towards Non-refundable application cost of Rs. 2,000/- (Rupees Two thousand only) and EMD for a sum of Rs. 10,000/- (Rupees Ten Thousand only) in the name of Coordinator, DBT – BUILDER Programme, UCS, OU after going through the conditions laid down.
2. Only reputed firm / Diagnostic Centres who have the expertise in the similar field of execution of works pertaining to outsourcing the testing of clinical samples are permitted to quote against the requirements. The vendors are advised to quote the prices plus taxes as applicable as per government norms. The discretion is vested with the University to decide as per the requirements. However, the University shall invite the L-1 bidders for negotiations, if it feels the lowest prices quoted are on the higher side.
3. The Bidder shall strictly adhere to all the terms and conditions stipulated in the tender with regard to outsourcing the testing of clinical sample under DBT – Builder Programme
4. The firm shall, subject to the provision of the contract and with due care and diligence, execute and maintain the works in accordance with specifications stipulated in the tender as per the requirement of OU.
5. The following information has to be filled by the tenderer with evidence (Documentary proof to be enclosed).
  - a) Registration Certificate
  - b) The firm should be in existence for the last three years
  - c) TSGST/CST/CGST Registration Certificate
  - d) Pan card Copy
  - e) Annual Turn Over for 10.00 Lakhs per annum for last three financial years (2020-21, 2021-22, 2022-23)
  - f) IT Returns for the last Three financial years (2020-21, 2021-22, 2022-23)
  - g) Documents in support of the technical specification of the outsourcing the testing of clinical sample
  - h) Recent work orders in Government/Public Sector undertakings/Universities/Private Institutions, etc.
6. The offers must be in English. The rates should be indicated both in figures and in words against each item exclusive of taxes as applicable as per government norms.
7. The rates shall be fixed and constant throughout the entire period of the Contract and will not be modified under any circumstances.
8. Offers received after the bid closing date/time shall not be considered.
9. Telex/Tele fax/E-Mail Tenders will not be accepted and the University takes no responsibility for delay/loss or non-receipt of tenders by post/couriers.
10. Any offer containing incorrect statement and incomplete information will be summarily rejected and no unsolicited correspondence shall be entertained.
11. PRICE BID of only those bidders shall be opened who qualify in the technical evaluation.
12. Osmania University reserves the right to accept /reject any offer in full or in part or accept any offer other than the lowest without assigning any reasons thereof.
13. All disputes or differences whatsoever arising between the parties relating to the contract shall be settled by the arbitration in accordance with the rules of arbitration of Indian Council of Arbitration and the Award made in pursuance thereof shall be binding on the parties. The venue of arbitration shall be Hyderabad, and the Registrar, Osmania University, Hyderabad – 500007, will make the appointment of the arbitrator on behalf of the University.
14. The Tenders of those reputed firm shall only be accepted, who have remitted the prescribed non-refundable Tender Application fee of Rs. 2000/- along with EMD for Rs. 10,000/- (Rupees Ten Thousand only) through two separate Demand Drafts drawn in favour of Coordinator, DBT Builder Programme.
15. Before quoting the rate, the contractor / firm is advised to do physical survey of the site at Department of Genetics, UCS, OU
16. The E.M.D of the unsuccessful tenderers will be refunded without any interest.

17. The firm must have valid TSGST/CST/CGST Registration Certificate. (Please attach copies of valid certificates).
18. The O.U. is empowered to recover from the EMD for any sum due and for any other sum that may be fixed by the O.U. as being the amount or loss or losses or damages suffered by it due to delay in performance and / or non-performance and / or partial performance of any of the conditions of the contract and / or non-performance of guarantee obligations.
19. The tender will be awarded even if a single bidder is qualified as per the tender norms.
20. The University reserves the right to cancel the tender or terminate the contract with L-1 vendor without assigning any reasons thereof.
21. The University shall however invite the L-1 bidder for negotiations, if it feels the lowest prices quoted are on the higher side.

Coordinator  
DBT- BUILDER Programme,  
Univ. College of Science  
Osmania University

Annexure -I  
TECHNICAL BID

(To be submitted in a separate sealed envelope)

1. Name of Tendering Company/Contractor with  
Registration No. & Date  
(Please enclose copy of certificate of Registration) .
2. Name of Proprietor / Director
3. Furnish following particulars of the Registered  
Office
  - a. Complete Postal Address
  - b. Telephone No.
  - c. Fax. No.
  - d. E-Mail Address
5. Furnish following particulars of the  
Operating office, if different from above
  - a. Complete Postal Address
  - b. Telephone No.
  - c. Fax. No.
  - d. E-Mail Address
6. Are you Authorized/ Reputed contractor,  
If yes, please attach a copy of the relevant certificate  
issued by the competent Authority.
7. PAN No. (Attach Attested Copy)
9. TSGST/CST/CGST Registration Certificate  
(Attach Attested Copy)
10. Financial turnover for last three financial Years.  
(Please attach copies of audited Balance  
Sheet and IT returns) (2020-21, 2021-22 and 2022-23)  
Attach separate sheet if space provided is insufficient
11. Give details of the major clients –  
Government, Educational Institutions, Universities,  
public sector, private sector etc.  
Where similar works have been executed by the  
Bidder. Copies of the Orders  
should be attached for proof.
  - a. Sl. No
  - b. Name & address of the Client with details
  - c. Name of the contact person,  
Telephone no., Fax no., and E-mail ID
12. Whether your annual turnover was  
Rs. 25 Lakh per annum in the last three financial years  
(2020-21, 2021-22 and 2022-23);  
Please attach relevant copies.
13. Details of (i) Application fee Rs. \_\_\_\_\_ DD No. \_\_\_\_\_ Dt. \_\_\_\_\_ Bank \_\_\_\_\_  
(ii) EMD fee Rs. \_\_\_\_\_ D.D.No. \_\_\_\_\_ Dt. \_\_\_\_\_ Bank \_\_\_\_\_



TECHNICAL COMPLIANCE  
WHOLE GENOME SEQUENCING

S.No	Particulars		Compliance Yes / No
1	<b>Sample Type</b>	Peripheral Blood collected in EDTA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, DNA	
	<b>Sequencer</b>	NovaSeqX plus	
	<b>Read Length</b>	2X150bp Read length	
	<b>Coverage Depth</b>	30X	
	<b>Data/sample</b>	~90 gb data/sample	
	<b>RUO Analysis required</b>	Yes	
	<b>Analysis Deliverables</b>	RAW data , VCF files for SNV, SV & CNV, RUO report with analysis methodology	

WHOLE EXOME SEQUENCING

S.No	Particulars		Compliance Yes / No
2	<b>Sample Type</b>	Peripheral Blood collected in EDTA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, DNA	
	<b>Sequencer</b>	NovaSeqX plus	
	<b>Read Length</b>	2X150bp Read length	
	<b>Coverage Depth</b>	80-100X	
	<b>Data/sample</b>	~8 gb data/sample	
	<b>RUO Analysis required</b>	Yes	
	<b>Analysis Deliverables</b>	RAW data, VCF files, RUO report with analysis methodology	

TOTAL RNA SEQUENCING

S.No	Particulars		Compliance Yes / No
3	<b>Sample Type</b>	Blood Collected in PAXgene Blood RNA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, RNA	
	<b>Sequencer</b>	NovaSeqX plus	
	<b>Read Length</b>	2X150bp Read length	
	<b>Coverage Depth</b>	60 Million reads/sample	
	<b>Data/sample</b>	~9 gb data/sample	
	<b>RUO Analysis required</b>	Yes	
	<b>Analysis Deliverables</b>	RAW data, Differential Expression Analysis (Control & Test sample details to be provided by the customer), List of up & Down regulated genes, Go Annotation & Pathway Analysis (Reactome pathway), PCA plot, Dendrogram, Volcano plot & Heatmap for Top20 up & down regulated genes. RUO report with analysis methodology.	

## SMALL RNA SEQUENCING

S.No	Particulars		Compliance Yes / No
4	<b>Sample Type</b>	Blood Collected in PAXgene Blood RNA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, RNA	
	<b>Sequencer</b>	NovaSeq6000	
	<b>Read Length</b>	2X50bp Read length	
	<b>Coverage / Depth</b>	20 Million reads / sample	
	<b>Data/sample</b>	~1 gb data/sample	
	<b>RUO Analysis required</b>	Yes	
	<b>Analysis Deliverables</b>	RAW data, Length summary plot, Differential Expression Analysis for known miRNAs (Control & Test sample details to be provided by the customer), List of up & Down regulated genes, Known miRNA identification, target prediction with functional annotation (Reactome pathway), Heatmap for Top20 up & down regulated genes, Novel miRNA identification, target prediction & functional Annotation, RUO report with analysis methodology.	

### **LCMS Analysis: sample type- blood/tissue/cell lysates**

5	<ul style="list-style-type: none"> <li>• Molecular weight</li> <li>• Protein profiling</li> <li>• Label free quantification</li> <li>• Protein sequencing</li> <li>• PTM's</li> <li>• Disulphide bridge analysis</li> <li>• Impurity profiling</li> <li>• Quantification of free and bound amino acids</li> <li>• Quantification studies using MRM</li> <li>• Bio-informatic analysis of MS Data</li> </ul>	Compliance Yes / No
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Annexure – II  
COMMERCIAL BID

(To be submitted in a separate sealed envelope)

WHOLE GENOME SEQUENCING

S.No	Particulars		Rate per Sample
1	<b>Sample Type</b>	Peripheral Blood collected in EDTA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, DNA	
	<b>Sequencer</b>	NovaSeqX plus	
	<b>Read Length</b>	2X150bp Read length	
	<b>Coverage / Depth</b>	30X	
	<b>Data/sample</b>	~90 gb data/sample	
	<b>RUO Analysis required</b>	Yes	
	<b>Analysis Deliverables</b>	RAW data , VCF files for SNV, SV & CNV, RUO report with analysis methodology	

WHOLE EXOME SEQUENCING

S.No	Particulars		Rate per Sample
2	<b>Sample Type</b>	Peripheral Blood collected in EDTA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, DNA	
	<b>Sequencer</b>	NovaSeqX plus	
	<b>Read Length</b>	2X150bp Read length	
	<b>Coverage / Depth</b>	80-100X	
	<b>Data/sample</b>	~8 gb data/sample	
	<b>RUO Analysis required</b>	Yes	
	<b>Analysis Deliverables</b>	RAW data, VCF files, RUO report with analysis methodology	

TOTAL RNA SEQUENCING

S.No	Particulars		Rate per Sample
3	<b>Sample Type</b>	Blood Collected in PAXgene Blood RNA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, RNA	
	<b>Sequencer</b>	NovaSeqX plus	
	<b>Read Length</b>	2X150bp Read length	
	<b>Coverage / Depth</b>	60 Million reads/sample	
	<b>Data/sample</b>	~9 gb data/sample	
	<b>RUO Analysis required</b>	Yes	
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## SMALL RNA SEQUENCING

S.No	Particulars		Rate per Sample
4	<b>Sample Type</b>	Blood Collected in PAXgene Blood RNA tube	
	<b>Nucleic Acid Isolation required</b>	Yes, RNA	
	<b>Sequencer</b>	NovaSeq6000	
	<b>Read Length</b>	2X50bp Read length	
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### **LCMS Analysis: sample type- blood/tissue/cell lysates**

S.No	Particular	Rate per Sample
5	<ul style="list-style-type: none"> <li>• Molecular weight</li> <li>• Protein profiling</li> <li>• Label free quantification</li> <li>• Protein sequencing</li> <li>• PTM's</li> <li>• Disulphide bridge analysis</li> <li>• Impurity profiling</li> <li>• Quantification of free and bound amino acids</li> <li>• Quantification studies using MRM</li> <li>• Bio-informatic analysis of MS Data</li> </ul>	