

Invitation of quotation
for
Outsourcing of investigations
for genetic sequencing
At

All India Institute of Medical Sciences, Jodhpur

Inquiry No. : AIIMS/Admin/RES/143(II)/2025

Inquiry Issue Date : 28 May 2025

Last Date of Submission : 03 June 2025 at 03:00 PM.



All India Institute of Medical Sciences, Jodhpur

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**Invitation of quotation for Outsourcing of investigations
for genetic sequencing at AIIMS Jodhpur**

Sealed Quotations are hereby invited by the undersigned on behalf of the Executive Director, AIIMS Jodhpur for Outsourcing of investigations for genetic sequencing for the Institute as per terms & conditions mentioned below. The filled quotations along with all the required document must reach in the office of the undersigned on or before 03/06/2025 03.00 PM. The Envelope containing the quotation would please be sealed and super scribed as under:-

**“QUOTATION FOR Outsourcing of investigations
for genetic sequencing AGAINST INQUIRY NO.
AIIMS/Admin/RES/143(II)/2024” DUE ON 03/06/2025 03.00 PM”**

1. Terms & Conditions:

- A) The quotations received after this deadline & unsealed shall not be entertained under any circumstances whatsoever. In case of postal delay this Institute will not be responsible. **The offer Submitted Fax/Email shall not be considered and no correspondence will be entertained in this matter.**
- B) Quotations must be in the enclosed prescribed Performa on the letter head of the firm duly signed by the Proprietor/ Partner/Director or their authorized representative, In case of signing of quotation by the authorized representative letter of authorization must be attached with the quotation. Quotation must be dropped in “**Quotation Box**” located in Administration Block of AIIMS, Jodhpur.
- C) Rates must be quoted in **Indian rupees** and as per the format specified taxes extra if any must be written separately.
- D) Rates must be quoted FOR basis (including Freight charges, Insurance, installation etc.)
- E) No overwriting or cutting is permitted in the rate. If found, the quotation shall be summarily rejected.
- F) The rates quoted must be valid for 60 days minimum from the date of opening of the quotation and silence of any tendered on this issue shall be treated as agreed with this condition.
- G) Becoming L1 will not be the criteria for awarding of purchase order unless the rates are reasonable & justified.
- H) RTGS/NEFT details need to be furnished by the supplier with the quotation on the letter head of supplier/firm/agency.
- I) The firm/agency may satisfy the following conditions and attach self-attested copy of the same with the quotation:
 - Firm shall be registered with the Government of Rajasthan / Central Government.
 - The firm shall have valid GST/Other taxes and IT PAN.
 - **The firm should not be black listed by any Govt. Agency/Dept.**
- J) Quotations qualified by such vague and indefinite expressions such as “subject to prior confirmation”, “subject to immediate acceptance” etc. will be treated as vague offers and rejected accordingly. Any conditional quotation shall be rejected summarily.

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- K) **Delivery Period** – within 15 days from Purchase order.
- L) **Liquidated Damage:** - If the supplier fails to deliver the material on or before the stipulated date, then a penalty at the rate of 0.5 % per week of the total order value shall be levied subject to maximum of 10% of the total order value.
- M) **Payment Terms:** Payment will be only after satisfactorily delivery / commissioning of all material and after inspection by the AIIMS Jodhpur.
- N) **Disputes:** -In the event of any dispute or disagreement arising between the contractors and any other department of AIIMS Jodhpur with regards to the interpretation of “Terms & Conditions” of this inquiry, the same shall be referred to the Executive Director, AIIMS Jodhpur whose decision will be final and binding upon the contractor.
- O) AIIMS, Jodhpur reserves the right to increase or decrease quantity and / or amount of work. Decision of Quantity of material for Executive Director, AIIMS, Jodhpur will be final in this regard.
- P) AIIMS, Jodhpur reserves the right to reject any quotation or part or the whole of inviting quotation process without assigning any reason. Decision of the Executive Director, AIIMS, Jodhpur will be final in this regard.
- Q) The near relatives of employees of AIIMS, Jodhpur are prohibited from participation in this tender. The near relative for this purpose are defined as: (a) Members of a Hindu undivided Family. (b) Their spouses (c) The one related to the other in the manner as father, son(s), Son's wife (daughter-in-law), daughter(s) and daughter's husband (sons-in-law) brother (s) and brother's wife, sister(s) and sister's husband, brother(s)-in-law.

2. **Special Terms & Conditions:**

- A) **Bidder must quote the product as per specification provided in Annexure 1.**
- B) **Catalog must be attached with quotation for technical evaluation.**
- C) **The Bidder must submit the GSTIN Registration**
- D) **The supplier may be asked to arranging demonstration of their equipment for which rates have been quoted, to the AIIMS Jodhpur, if required. The expenditure incurred for demonstrating the items will be borne by the supplier.**
- E) **After successful award of the order, if/whether the Bidder stated that they will not be able to supply the items for any particular reason, Executive Director AIIMS, Jodhpur reserves the right to ban such firm.**

Dean (Research)

Encl.: Annexure 1 (Specification)
Annexure 2 (Format of price bid)

Annexure 1

S.No.	Outsourcing of investigations	Pack Size	Qty
1.	for genetic sequencing	10 per set	Upto 25

Specifications for Genetic Sequencing required ***Specifications required:****Reporting of any detected gene or a copy number variation****Capture kit:** Illumina**Platform:** Illumina sequencing platform**Depth of coverage:** 100x, and more than 99% coverage at 50x**Confirmation included:** Sanger sequencing to confirm the detected variant from NGS OR a Chromosomal Microarray if a Copy Number variant is detected.**Genes to be covered:** Annexure 1**Requisites:**

1. Access to raw data file for all patients.
2. Submission of a sample raw data file for technical evaluation at user end.

The cost of quoted should be inclusive of taxes and the cost of raw file and confirmatory tests (Sanger/CMA)

The samples be analysed and released in batch of 10 at a time.

S No.	Disorder	Gene/location	Protein	Inheritance
1	Type 1 Antenatal Bartter syndrome	SLC12A1(15q15-q21.1)	NKCC2	-
2	Type 2, aBS	KCNJ1(11q24)	ROMK1	-
3	Bartter Syndrome	CaSR(3q 13.3-q21)	Calcium sensing receptor	AD
4	Type 4 Abs, with sensorineural deafness	BSND CLCNKA-CLCNKB	Baiitin	-
5	Familial hypomagne semia, hypercalciuria and nephroncalcinosis	CLDN16,3q28	Paracellin-1	AR
6	Familial hypomagne semia, hypercalciuria and nephrocalcinosis with severe ocular involvement	CLDN 19, 1p34	Claudin-19	AR
7	Familial hypomagne semia with Hypocalciuria	TRPM6, 9q22	TRPM6	AR
8	Hypercalciuria/Calcium oxalate nephrolithiasis	ADCY10/SAC	Adenylate cyclase I0	AD
9	Primary Hyperoxaluria type1	AGXT	Alanine glyoxylate aminotransferase	AR
10	Adenine phosphoribosyl transferase deficiency urolithiasis (DHA stones)	APRT	Adenine phosphoribosyl transferase	AR
11	d RTA	ATP6VOA4	ATP ase H ⁺ transporting, lysosomal V0subunit a4	AR
12	d RTA with deafness	ATP6V 1B1	ATP ase H ⁺ transporting, lysosomal 56/58 kDa, V 1 subunit B	AR
13	Osteopetrosis with distal RTA	CA2	Carbonic anhydrase 2	AR
14	Dent's Disease	CLCN5	Chloride channel voltage sensitive 5	XR

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15	1,25-OH D24 hydroxylase deficiency, infantile Hypercalcemia	CYP24A1	Cytochrome P450, family 24, subfamily A, polypeptide 1	AR
16	Enamel renal syndrome, amelogenesis imperfect 20 and Nephrocalcinosis	FAM20A	Family with sequence similarity 20	AR
17	Primary Hyperoxaluria type 2	GRHPR	Glyoxylate reductase/hydroxypyruvate reductase	XR
18	MODY+ Fanconi syndrome+ nephrocalcinosis	HNF4A	Hepatocyte nuclear factor 4, alpha	AD
19	Primary hyperoxaluria type 3	HOGA1	4Hydroxy-2-oxoglutarate aldolase 1	AR
20	Kelley-Seegmiller syndrome, partial HPRT deficiency, HPRT-related gout	HPRT1	Hypoxanthine phosphoribosyltransferase 1	XR
21	Lowe syndrome/Dent disease 2	OCRL	Oculocerebral renal syndrome of Lowe	XR
22	Renal Hypouricemia, RHUC1	SLC22A12	Solute carrier Family 22, Member 12	AR/AD
23	Renal Hypouricemia, RHUC2	SLC2A9	Solute carrier Family 2, Member 9	AR/AD
24	Nephrolithiasis/Calcium Oxalate	SLC26A1	Solute carrier family 26, member 1	AR
25	Calcium oxalate stones, high oxalate absorption	SLC26A6	Solute carrier family 26, member 6	AR/AD
26	Hypophosphatemia nephrolithiasis/osteoporosis - 1, NPHLOP1/Fanconi renal tubular syndrome 2	SLC34A1	Solute carrier Family 34, Member 1	AR/AD
27	Hypophosphatemia rickets with hypercalciuria	SLC34A3	Solute carrier Family 34, Member 3	AR
28	Cystinuria, type A	SLC3A1	Solute carrier Family 3 (Cystine, dibasic and neutral amino acid transporters, activator of cysteine, dibasic and neutral amino acid transport), Member 1	AR
29	Primary distal renal tubular acidosis, dominant/ recessive	SLC4A1	Solute carrier Family Member 3	AR/AD
30	Cystinuria, type B	SLC7A9	Solute carrier Family 7(glycoprotein associated amino acid transporter light chain, bovine system), Member 9	AD/AR
31	Hypophosphatemic Nephrolithiasis/ osteoporosis-2, NPHLOP2	SLC9A3R1	Solute carrier Family 9, subfamily A, (NHE3, cation proton antiporter Member 3	AD
32	Idiopathic hypercalciuria	VDR	Vitamin D (1,25-dihydroxyvitamin D3) receptor	AD

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33	Xanthinuria Type 1	XDH	Xanthine dehydrogenase	AR
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	Gene	Coded protein	SNP, variant
1	<i>AQP1</i>	Aquaporin 1	rs1000597; rs12669187
2	<i>ALPL</i>	Alkaline phosphatase	rs1256328
3	<i>CLDN14</i>	Csludin 14	rs219780; rs219778; rs199565725
4	<i>TRPV5</i>	Trnsient receptor potential calcium permeable cation channel V5	p.L530A
5	<i>TRPV6</i>	Transient recptor potential cation calcium permable channel V6	rs4987657; rs4987667; rs4987682
6	<i>SPP1</i>	Osteopontin	144 and 145; T-593A; rs491126616; rs17524488; c.240T>C; c.708C>T; rs11439060
7	<i>CASR</i>	Calcium sensing receptor	rs1042636; rs1801725; E1011Q; rs6776158; rs1501899; rs7627468
8	<i>ORA11</i>	Calcium release activated calcium modulator	ra12313273
9	<i>VDR</i>	Vitamin D receptor	rs2228570; rs1544410
10	<i>KL</i>	Klotho	G395A; rs3752472
11	<i>NHERF1</i>	Sodium-hydrogen antiporter 3 (regulator 1)	L110V; R153Q; E225K
12	<i>FGF23</i>	Fibroblast growth factor 23	rs7955866
13	<i>CALCR</i>	Calcitonin receptor	3'UTR+18C>T; rs 72570683; rs3214144
14	<i>SLC13A2</i>	Na/dicarboxylate cotransporter-1	1550V
15	<i>F2</i>	Prothrombin	rs5896
16	<i>IL-RN</i>	Interleukin 1 receptor antagonist	Intronic promoter region
	<i>VNTR</i>		
17	<i>PON1</i>	Paraononase-1	rs854560
18	<i>CARD8</i>	Caspase recruitment domain family member 8	rs2043211
19	<i>UGT1A1</i>	UDP glucuronosyltransferase family 1 member A1	rs10929303; rs1042640; rs8330
20	<i>SLC34A1</i>	Phosphate carrier NPT2a	rs11746443; rs12654812

SNP's proposed to be detected

VDR gene: 1544410, 731236, 2228570, 7975323, 10735810

CaSR Gene: 1042636, 1801726, 1801725, 7652589, 6776158, 1501899, 7627468

CLDN 14: 219780, 219778

SLC13A2- 1550V, 11567842

SLC34A3- 199690076, 762710288

SLC34A1- 56235845, rs 11746443, 12654812

TRPV5 –rs 4252402, p.L530 A

VDR	Ca	Klotho	Osteopontin	Urokinase
1544410	1042636	1207568	1126616	4065
731236	1801726	577912	17524488	2227564
2228570	1801725	3752472	2728127	2074725
7975232	17251221	650439	11739060	
	1501899	564481	4754	Sodium channels

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	7652589	9536314	9138	SLC13A2-1550V
	7648044	1207568	28357094	11567842
	6776158		1126772	Calcium channels
	7648041		2853744	TRPV5
	10190		11730582	
	7627468		11439060	
	1048213			

Note:- The supplier may be asked to arranging demonstration of their material for which rates have been quoted, to the Administrative Block, AIIMS Jodhpur, if required. The expenditure incurred for demonstrating the items will be borne by the supplier.

On the letterhead of firm]

ANNEXURE “2”
PRICE BIDFORM

To,

Dean (Research),
AIIMS, Jodhpur.

Dear Sir,

1. I/We Submitted the quotation for Enquiry No. **“QUOTATION FOR Outsourcing of investigations for genetic sequencing AT AIIMS, Jodhpur AGAINST THE INQUIRY NO. AIIMS/Admin/RES/143(II)/2024”** due on 03/06/2025 03.00 PM for Outsourcing of investigations for genetic sequencing at AIIMS Jodhpur”.

2. I/We thoroughly examined, understood and accepted terms & conditions given in the enquiry document, failing which my quotation will be rejected out rightly.

3. I/We hereby offer to supply at the following rates.

S. No.	Outsourcing of investigations	Specification	Qty	Price/Unit Exclusive of GST (INR)	GST/ Other Taxes	Price/ Unit Inclusive of GST (INR)	Total
1.	for genetic sequencing	As mentioned above	Upto 25				

Note:-

- The Bidder must quote only single Make & Model.**
- The Bidder must submit the GSTIN Registration and PAN Card self-attested copy with the quotation otherwise quotation will be REJECTED.**
- The bidder must quoted their quotation only in above said format on the letter of firm otherwise quotation will be REJECTED.
- Catalog must be attached with quotation for technical evaluation.
- The Bidder may be asked to submit the sample of quoted make for technical evaluation at Medical College, Third Floor, AIIMS Jodhpur at the time of submission of their quotation.**

Date_____

Place _____

(Name)_____

Name of Firm/Company/Agency_____

GSTIN No.: _____

Bank Name:- _____

Bank Account No.: _____

IFSC Code:- _____

Branch Name: _____

Phone No._____

Email:_____

(Signature of Authorized Person) _____

Seal:_____