

TAMIL NADU MEDICAL SERVICES CORPORATION LIMITED

(A Government of Tamilnadu Undertaking)

417, PANTHEON ROAD, EGMORE, CHENNAI – 600 008.

ISO 9001:2015 Certified Organisation

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CIN: U85110TN1994SGC027939

Ref. No.806/LT/ICH-REAGENTS/TNMSC/ENGG/2024

Dt.11.11.2024

INVITATION FOR QUOTATIONS FOR SUPPLY OF EQUIPMENT

**THIS INVITATION DULY SIGNED ON ALL PAGES SHOULD BE ATTACHED
WITH THE QUOTE**

From

The General Manager (E),
TamilNadu Medical Services Corporation Limited,
417, Pantheon Road, Egmore,
Chennai – 600 008.

To

Dear Sirs,

Sub: Invitation for Quotations for supply of Expanded Newborn Screening kit by Tandem Mass Spectrometry, Tandem Mass Spectrometry Kits for enzyme assay of Lysosomal of Storage Disorders (LSD) and New Born Screening Dried Blood Spot Cards to Institute of Child Health and Hospital for Children – Reg.

1. You are invited to submit your most competitive quotation for the following goods

:-

Sl. No.	Brief Description of the Goods	Qty. in Nos.	Delivery Period	Place of Delivery
1.	Expanded Newborn Screening kit by Tandem Mass Spectrometry	5	Within 30 days from the date of receipt of supply order	Institute of Child Health and Hospital for Children, Chennai
2.	Tandem Mass Spectrometry Kits for enzyme assay of Lysosomal of Storage Disorders (LSD)	1		
3.	New Born Screening Dried Blood Spot Cards	50 packs		

2. Bid Price

2.1 The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

- 2.2 All duties, taxes payable by the contractor under the contract shall be considered in the quoted price indicating the breakup value.
- 2.3 a) The bidder should furnish the CIF value of the imported component with Customs duty separately in the price bid in addition to the other breakup value packaging & Forwarding, Inland transport, Installation and commissioning and other incidental charges
- b) The bidders are advised to take in to consideration the savings available due to abolition of CVD and SAD for imports now due to GST implementation, and consider the benefits out of it as a reduction, while arriving at their bid price.
- c) Similarly, the benefits that could be availed out of High Sea Sales/ Sales in course of import should also be considered as a reduction while arriving at their bid price.
- d) GST shall be indicated separately.
- 2.4 The Prices should be quoted in Indian Rupees only.
3. Each bidder shall submit only one quotation.
- 3.1. Earnest money deposit:-
- a. Earnest Money Deposit :- Each quoted should be submitted with an EMD of Rs.1,000/- by means of DD drawn in favour of "Tamilnadu Medical Services Corporation Limited", Chennai payable at Chennai.
- b. Domestic Micro and Domestic Small Enterprises located within the State of Tamil Nadu which manufacturers or provides the goods, provides or render the services within the State and registered with State MSME authorities in appropriate manner, as prescribed from time to time alone are eligible for exemption from payment of Earnest Money Deposit against the production of copy of the applicable registration document.
- c. All other Enterprises are not eligible for claiming EMD exemption and hence to remit the EMD amount with their tender.
- d. The domestic Micro and Small indicates bidders who claims exemption form the payment of EMD shall submit an

undertaking in the following format signed by the Authorized to Signatory of the bidder.

Undertaking

“We will hereby undertake to pay penalty to an amount of equal to EMD in the event of non-fulfillment or non- observance of condition governing EMD which empowers the purchaser to forfeit the EMD amount.

(iv) The purchaser reserves the rights to inspect the unit and satisfy themselves with regard to verifying the credentials of the bidders on the line of activity pursued by them as manufacturer, quality and production capacity and relevant factors.

3.2 Quotation received without EMD amount will be treated as non-responsive.

3.3 The bidder should furnish the GST registration no. for supply and services and the code no. for the goods quoted.

3.4 The GST registered bidders are only eligible to participate in the quotation.

3.5 The bidder should furnish the details of Bank name, Branch name, Account no., IFSC code and a copy of cancelled cheque leaf.

3.6 Domestic Enterprises (i.e., from Tamil Nadu) who is the manufacturer of the tendered product within the state and Micro and Small Enterprises registered with MSME are eligible for EMD Exemption, otherwise not eligible.

4. Validity of Quotation:-

Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

5. Evaluation of Quotations:-

5.1 The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

(a) are properly signed; and

(b) conform to the terms and conditions, and specifications

(c) Not furnishing Catalogues, Point wise compliance statement of Technical specification, and producing the sample of the quoted item for demo within one week notice, if called for

would be treated as a violation of the terms of the tender and the bids would be treated as non-responsive.

(d) The Quotation would be evaluated separately for each item.

6. **Award of contract:-**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

6.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

6.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

6.3 For delay in supply of the goods beyond the stipulated delivery period, liquidated damages at 0.5% per week or part thereof of undelivered portion of the contract, subject to a maximum of 10% of the contract value is leviable.

6.4 You shall furnish performance security for 5% of contract value by means of demand draft drawn in favour of Managing Director Tamilnadu Medical Service Corporation Limited Payable at Chennai which will be returned after satisfactory completion of warranty period.

6.5 Payment shall be made within 30 days after delivery of the goods, against submission of bills with certification from the consignee for satisfactory completion of supply.

6.6 The item supplied shall carry a warranty of atleast 3 years for equipment from the date of acceptance of the goods by the consignee.

7. You are requested to submit the quotations in a sealed cover superscribed "Quotations for "Expanded Newborn Screening kit by Tandem Mass Spectrometry, Tandem Mass Spectrometry Kits for enzyme assay of Lysosomal of Storage Disorders (LSD) and New Born Screening Dried Blood Spot Cards" and quotations should reach Tamilnadu Medical

Services Corporation Ltd., (A Govt. of Tamilnadu Undertaking), 417, Pantheon Road, Egmore, Chennai – 600 008 on or before 11.00 AM on 25.11.2024.

8. Quotation will be opened at 11.30 AM on 25.11.2024 in the presence of bidders.
9. We look forward to receive your quotations and thank you for your interest in this project.

Sd/-
General Manager (E)

PRICE SCHEDULE

1	2	3	4	5					6	7	8
				PRICE FOR EACH UNIT							
Sch No.	Item Description	Country of origin	Quantity & Unit	Ex-factory Ex-warehouse Ex-showroom off-the shelf for CIF (a)	Packing & forwarding (b)	Inland transport, Insurance and Incidental costs incidental to delivery (c)	Incidental services (d)	Customs duty (e)	Unit price a+b+c+d+e	Total price per schedule for delivery at final destination (4 x 6)	GST – IGST/CGST/SGST payable if contract is awarded
1.	Expanded Newborn Screening kit by Tandem Mass Spectrometry as per specification		5								
2.	Tandem Mass Spectrometry Kits for enzyme assay of Lysosomal of Storage Disorder (LSD) as per specification		1								
3.	New Born Screening Dried Blood Spot Cards as per specification		50 packs								

i. Unit price in (6) (Rs. in words)

1. Expanded Newborn Screening kit by Tandem Mass Spectrometry as per specification with HSN code/ rate of GST.....
2. Tandem Mass Spectrometry Kits for enzyme assay of Lysosomal of Storage Disorder (LSD) as per specification with HSN code/ rate of GST
3. New Born Screening Dried Blood Spot Cards as per specification with HSN code/ rate of GST.....

Note:

- (a) **In case of discrepancy between unit price and total price, the unit price shall prevail.**
- (b) **The bidder should indicate the HSN code of the equipment/ service and applicable GST rate**
- (c) **The bidder should quote for the prices separately from column 5(a) to 5(e) and should not state “as inclusive” of all rate.**

Place:

Signature of Bidder.....

Date:

Name

Business Address.....

TECHNICAL SPECIFICATION

1. SPECIFICATION OF EXPANDED NEWBORN SCREENING KIT BY TANDEM

MASS SPECTROMETRY

1. The kit supplied should be compatible to run with Shimadzu's triple quadrupole LC-MS/MS – 8040 system.
2. The kit supplied for expanded newborn screening for IEM should be of 960 test pack capable of measuring at least **53 multiple analytes** from single blood spot.
3. The kit should be able to analyze all **14 amino acids** (Alanine, Arginine, Arginosuccinic acid, Citrulline, Glutamate, Glutamine, Glycine, Leucine/Isoleucine, Methionine, Ornithine, Phenylalanine, Proline, Tyrosine and Valine) **32 acylcarnitines** (Free carnitine, Acetylcarnitine, Propionylcarnitine, Butyrylcarnitine, 3-OH-butyrylcarnitine, Isovalerylcarnitine, 3-OH-isovalerylcarnitine, Glutarylcarnitine, Tiglylcarnitine, Hexanoylcarnitine, Adipylcarnitine, Octanoylcarnitine, Octenoylcarnitine, Decanoylcarnitine, Decenoylcarnitine, Dodecadienoylcarnitine, Dodecanoylcarnitine, Dodecenoylcarnitine, Tetradecanoylcarnitine, Tetradecenoylcarnitine, Tetradecadienoylcarnitine, 3-OH-tetradecenoylcarnitine, Hexadecanoylcarnitine, Hexadecenoylcarnitine, 3-OH-hexadecanoylcarnitine, 3-OH-hexadecenoyl/Heptadecanoylcarnitine, Stearoylcarnitine, 3-OH-Octadecanoylcarnitine, Oleoylcarnitine, 3-OH-oleoylcarnitine and Linoleylcarnitine and Hexacosanoylcarnitine) **2 nucleosides** (Adenosine and 2-deoxyadenosine), **succinylacetone** and **4 lysophosphatidylcholines** (C20:0-LPC, C22:0-LPC, C24:0-LPC, C26:0-LPC) in a single assay.
4. The kit supplied should be able to screen for **Aminoacidopathies** (Phenylketonuria, MSUD, Arginosuccinic aciduria, Citrullinemia, Argininemia, CPS/OTC deficiency, Tyrosinemia type I /II, Hypermethioninemia, Non Ketotic Hyperglycinemia) **Fatty acid oxidation disorders** (Carnitine uptake defect, Carnitine palmitoyl transferase deficiency, Carnitine palmitoyl transferase deficiency (CPT II), Carnitine/acyl translocase def (CACT), Short chain acyl CoA dehydrogenase deficiency, Medium chain acyl CoA def, Very long chain acyl CoA dehydrogenase def (VLCAD), Medium/Short chain 3-OH acyl-CoA

dehydrogenase def, Long chain 3-OH acyl CoA dehydrogenase def (LCHAD), Trifunctional protein Def (TFP) and Glutaric academia Type II), **Organic acid disorders** (Propionic / Methylmalonic academia, Malonic aciduria, Isobutryl CoA dehydrogenase deficiency, Ethylmalonic encephalopathy, 3-methyl crotonyl-CoA carboxylase deficiency, 3-hydroxy 3-methyl glutaric aciduria (HMG), Beta-ketothiolase deficiency, 2-methyl 3-hydroxy butyric aciduria (2M3HBA), 3-methyl glutaconic aciduria, Multiple carboxylase deficiency, Isovaleric academia (IVA) and Glutaric academia I), **Peroxisomal disorder** (X-linked adrenoleukodystrophy) and Purine disorder (Adenosine deaminase deficiency - Severe combined immunodeficiency)

5. The Kit should supply single all-in-1 **Internal Standard vial** for easier preparation, for at least 30 different analytes.
6. The Kit should be supplied with **Internal quality control** with at least 2 levels for major markers.
7. The Kit should have faster succinylacetone extraction step.
8. The Kit should be supplied with flow solvent and **Non-Derivatized** extraction solution with shorter extraction time, shorter incubation time and shorter run time.
9. The Kit should be supplied with necessary 96 well plate adequate for running all the test.
10. The kit supplied should have a minimum expiry of 1 year.
11. The training and standardization/optimization of the kit on site should be done by the company technical expert team.
12. The kit should be CE IVD or US-FDA approved.

2. SPECIFICATION OF TANDEM MASS SPECTROMETRY KITS FOR ENZYME ASSAY OF LYSOSOMAL STORAGE DISORDERS (LSD) - POMPE, MPS-I, FABY, GAUCHER, NIEMANN-PICK A/B AND KRABBE DISORDERS (960 TEST)

1. The LSD kit supplied should be compatible to run with Shimadzu's triple quadrupole LC-MS/MS – 8040 system.
2. The Kit for measurement of lysosomal storage disorders (LSD) should be available on LCMS/MS using heel prick dried blood spots.

3. The LSD kit should be able screen for at least four lysosomal storage disorders namely Gaucher (Beta-Glucosidase), Niemann-Pick A/B (Spingomyelinase), Pompe (Alpha-Glucosidase) and MPS-1 (Iduronidase) from a single blood spot.
4. The LSD kit should be having wide dynamic range enabling better separation of affected and non-affected individuals
5. The kits should be provided with required internal standards & internal controls materials.
6. The kit supplied should have a minimum expiry of 1 year.
7. The training and standardization/optimization of the kit on site should be done by the company technical expert team.
8. The kit should be CE IVD or US-FDA approved.

3. SPECIFICATION FOR NEWBORN SCREENING DRIED BLOOD SPOT CARDS

1. Minimum 5 circle on whatman filter paper grade 903.
2. Circles-Circle size should be 12-14mm internal diameter and each circle should yield at least 6-8 spots on punching
3. Minimum 1 Year at the time of expiry
4. Certification of product: US FDA or European CE
5. Pack size – minimum of 100 DBS card per pack
6. Demographic fields for patient information should be there as below: Baby's Name, Age, Sex, Sample collection date, Hospital No, Test parameters
7. The card should be imprinted with the universal biohazard symbol, Lot No and Expiry date.

Note:

1. Bidders shall furnish technical compliance statement for the model quoted, details of manufacturer including deviations if any. Technical catalogue /data sheet shall also be furnished in support of technical compliance statement without fail.