



**PANDIT RAGHUNATH MURMU MEDICAL
COLLEGE & HOSPITAL,
BARIPADAMAYURBHANJ**

Tel: 0672-257013;

e-mail:superintendentprmmch@gmail.com,

Tender Reference No. 7650 PRMMCH/2024-25 Dt. 18/12/2024

TENDER DOCUMENT

FOR

SUPPLY OF

INSTRUMENTS FOR PRM MCH, BARIPADA

**Address for Correspondence- Office of the
Superintendent PRMMCH,
At/Po-Baripada, Dist- Mayurbhanj, Odisha
Pin-757001**


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PRM MCH, Baripada**

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SECTION -I

SHORT TENDER CALL NOTICE FOR SUPPLY OFFULLY AUTOMATED ANALYSER MACHINE, FULLY AUTOMATED RANDOM ACCESS CHEMILUMINESCENCE IMMUNOASSAY SYSTEM AND 7 PART CBC ANALYSER MACHINE

Sealed Tenders are invited for Supply & installation of Fully Automated Analyser Machine, Fully Automated Random Access Chemiluminescence Immunoassay System and 7 Part CBC Analyser Machine. The Tenderers have to download the Tender Documents directly from the WEBSITE available at www.mayurbhanj.odisha.gov.in. The Tender processing fee of Rs.2,360- (2000/- + 18% GST) (Non-refundable) & EMD Rs. 20,000/- (refundable) in the shape of Demand Draft only in favor of Superintendent, PRM MCH, Baripada, from any Nationalized/ Scheduled Bank payable at Baripada should be closed along-with the Tender paper/proposal. The Tenders will be received through-courier/Regd. Post / Speed Post only and should reach in the office of the undersigned on or before Dt. 31.12.2024 upto 11.30 AM The Tenders will be opened on Dt. 31.12.2024 at 12.30 P.M. in the Hospital Committee Hall, PRM MCH, Baripada in presence of the Committee members and the Tenderers or their authorized representatives. In case of absence of any bidder then bid document will be opened by the committee members.

Sl. No.	Particulars	Information
1	Start Date of availability of tender document in the official website of Mayurbhanj district	18.12.2024
2	Pre bid discussion	23.12.2024 at 11 AM At- Committee Hall, PRM MCH, Baripada.
3	Closing Date of availability of tender document in the official website & Last date and time for receipt of proposal	31.12.2024 (till 11.30 A.M)
4	Cost of tender Document (Non-refundable)	Rs. 2,360.00
5	Opening of Bid	31.12.2024 at 12.30PM At- Committee Hall, PRM MCH, Baripada.
6	EMD in form of demand draft Receipt in favour of SUPERINTENDENT, PRM MCH, Baripada	Rs.20,000.00
7	Address for submission of Tender	OFFICE OF THE SUPERINTENDENT,PRM MCH, Baripada, Mayurbhanj Pin No:757001, Odisha

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SECTION -I

TERMS AND CONDITIONS

1. The Tender will be in two parts i.e. **Technical bid. (Cover-A)** and **price bid (Cover-B)**. The bidders should give their technical and financial proposal separately in two envelopes and should be put into another cover superscribed as "SUPPLY OF INSTRUMENTS FOR PRM MCH, BARIPADA for 2024-25 in Reference to Advt. No- _____ Dt. _____".
2. The technical bid and price bid should be sealed in separate envelope otherwise bid will be rejected. The bid will be rejected for any shortfall of required documents as per terms and conditions. There is no further add-on of documents are allowed in the future. The tenders should be addressed to :

**OFFICE OF THE SUPERINTENDENT, PRM MCH, Baripada,
Mayurbhanj, Pin No:757001, Odisha**
3. The Tenderer shall have to furnish the following documents along with the Tender proposal:
 - i. **Rs.2360.00 (2000/- + 18% GST)** (Non-refundable) the Tender document cost is to be submitted in the shape of the Demand Draft in favour of **SUPERINTENDENT, PRM MCH, Baripada payable at Baripada.**
 - ii. EMD of **Rs.20,000/- (Refundable)** in the shape of a Demand Draft in favour of **SUPERINTENDENT, PRM MCH, Baripada payable at Baripada.**
 - iii. Photocopy of the IT Return for 2022-23, 2023-24
 - iv. Photocopy of the valid PAN card
 - v. Photocopy of the Valid GST Registration.
 - vi. Proof of Annual Average Turnover not less than 1.5 crores for the last two financial years (2022-23 and 2023-24)(Annexure- III)
 - vii. Original letter of Authorization.
 - viii. Declaration form (Annexure-II).
 - ix. Manufacturer's Authorization Format (Annexure-IV)
 - x. Copy of Valid ISO Certificate
4. In the absence of the EMD, technical proposal of the bidder shall be rejected. However, as per the Finance Department, Govt. of Odisha office memorandum no. 21926 dated 12.8.2015, the local MSEs registered with respective DICs, Khadi, Village, Cottage & Handicraft Industries, OSIC and NSIC are exempted from submission of EMD while participating in tenders of Govt. Departments and Agencies under its


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control. It is further clarified that the above exemption is applicable to **local MSEs registered in Odisha only**. This exemption to the local MSEs shall be applicable if the kind of service as required under this tender enquiry is clearly specified against the details of the service to be provided in their DIC / NSIC registration certificate (to be furnished in the technical bid).

5. The EMD shall be returned to unsuccessful bidders within a period of eight week from the date of announcement of the successful bidders.

6. The EMD shall be forfeited if the bidder withdraws its proposal during the interval between the proposal due date and expiration of the proposal validity period or on in case of successful bidder, if does not execute the agreement.

7. **Guarantee / Warranty /CMC:**

In case of medical equipment's should have five years warranty from the date of installation & commissioning.

8. **If any defect detected during the operation of the machines during the warranty period, instrument or equipment then the company of the concerned instrument will replace the whole or any part of the machines, instrument or equipment at his/her own cost and responsibility**

9. The goods should be supplied to the FOR Destination and no extra charge for freight should be claimed

10. If any information or documents furnished by the bidders are found to be incorrect or misleading at any stage, the bidder of the tender will be rejected and will be blacklisted for three years.

11. All the documents and pages shall be serially numbered and duly signed and sealed by the bidder

12. All documents furnishing the bidder should be type-written or computerized (no hand written) as per tender requirement

13. The bidder must submit the latest Solvency Certificate, or the affidavit of not declared insolvent by any private or Govt. agency or any party.

14. **Delivery Period:**

Within 60 days from issue of the purchase order.

15. **Mode of Delivery:**

Door Delivery

16. **Selection procedure**

In the First stage the technical proposals will be evaluated by the purchase committee on the basis of bidder's fulfilment of eligibility criteria. Only those bidders whose technical proposals becomes responsive based on the eligibility criteria shall qualify for financial bid opening. In the financial bid the bidder with the lowest price shall be

awarded the contract. However in case more than one bidder quote the same lowest price. Then the bidder having the higher annual average turnover shall be awarded the contract.

17. Each pages shall be dully signed and sealed by the bidder.
18. The supplied instrument must be a brand new one.
19. In the event of any dispute out of the contract, such dispute should be subject to the Jurisdiction of the Civil Court, Mayurbhanj
20. The Authority reserves full rights to accept or reject any or all proposals without assigning any reason thereof.
21. It would be the responsibility of the Bidders representative (only one person per bidder) to be present at the venue of opening of Bids. In case of absence of any bidder then bid document will be opened by the committee members.
22. The purchase shall be made on credit basis and the payment will be released as early as possible basing on availability of funds. At any situation, supply shall not be discontinue/delayed due to late in past payment.
23. The organization will have to submit an **Affidavit On original Stamp Paper of relevant value Annexure -II** with the following clauses:-
 - It has not been blacklisted by any Government Organization.
 - The organization does not have any legal suit / criminal case pending against it.
 - The office will have no liability regarding transportation, loading and unloading of equipment & instrument and all the equipment & instrument ordered shall be delivered at the designated place in good condition. The defective or damaged equipment & instrument if any will be replaced by the Organization.
 - That the organization agrees to abide by all terms & conditions of tender.

COVER - B (PRICE BID)

The price to be quoted for Supply of "SUPPLY OF INSTRUMENTS FOR PRM MCH, BARIPADA should be sent in the prescribed price format in a separate sealed covers hereafter called **Cover-B(Price Bid)**.

- 4.1 The tender format (Price Schedule) in duplicate in the prescribed form (as per **Annexure - V**), must be submitted in Cover-B. The price of the item should be quoted inclusive of excise duty, insurance, packing, installation, forwarding, freight (door delivery) and **excluding GST**.
- 4.2 The Cover "B" of bidder, who qualifies in their technical bid, will only be opened.

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CHECK LIST

(To be submitted in Cover-A Technical Bid)

Please check whether followings have been enclosed in the respective cover, namely, Technical Proposal: **(Please arrange the documents serially in the following order & do the page numbering of the entire bid document and mention the page no. in the column "Page No." against the particulars in the check list as mentioned below for ease of scrutiny)**

Sl. No.	Particulars	Page No.
1	Cost of Tender Paper (Rs.2,360/- (2000/- + 18% GST) (Non-refundable))	
2	EMD (DD of Rs.20,000/-)(Refundable)	
3	Manufacturer's Authorization Format (Annexure-IV)	
4	Photocopy of the IT Return for 2022-23 & 2023-24	
5	Copy of Valid ISO Certificate	
6	Photocopy of Valid PAN Card	
7	Photocopy of Valid GST regd. Cert.	
8	DIC / MSME certificate, if any	
9	Annual Average Turnover of the last three financial year (2022-23 & 2023-24) (Annexure- III)	
10	Declaration Form (Annexure-II) Signed by the tendered & affidavit before Notary/ Executive Magistrate	
11	Address Details (with Mob Number, Email ID)	
12	Copy of Downloaded Tender Book duly signed by the bidder	
13	The Audited Financial balance sheet duly audited by Chartered Accountant for the last 02 financial years shall be submitted	

SELF DECLARATION FORM

(To be submitted by the Bidder in Non-judicial stamp paper)

[To be submitted in Technical Bid]

I/ We..... having
My/ouroffice
at..... do declare that I /We have carefully
read all the terms & conditions of tender of the _____, Odisha for the
Supply& installation of Fully Automated Biochemistry Analyser Machine, Fully Automated
Random Access Chemiluminescence Immunoassay System And 7 Part CBC Analyser Machine.

The approved rate will remain valid for a period of one year from the date of approval. I will
abide with all the terms & conditions set forth in the tender paper Reference no.

I/We do hereby declare I/We have not been de-recognised / black listed by any State
Govt. / Union Territory / Govt. of India /Govt. organisation / Govt. Health Institutions.

I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and
black list me/us if, any information furnished by us proved to be false at the time of inspection /
Verification and not complying with the Tender terms & conditions.

Signature of the bidder :

Date :

Name & Address of the Firm:

Seal


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(To be submitted in **Cover A -Technical Bid**)
(To be furnished in the **letter head** of the Auditor/ Chartered Accountant)

ANNUAL TURN OVERSTATEMENT

The Annual Turnover for the last two financial years of M/s _____ are given below and certified that the statement is true and correct.

Sl.No.	Year	Turnover in (Rs.)
1.	2022 – 2023	-
2.	2023 – 2024	-

Average Annual Turnover (for the above two years) in (Rs.) _____

Date:
Place:

Signature of Auditor/
Chartered Accountant

(Name in Capital)

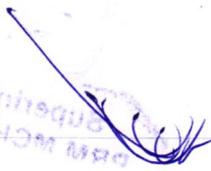
Seal

Membership No.-

Registration No. of Firm-

Note:

- a) To be issued in the **letter head** of the Auditor/Chartered Accountant mentioning the Membership no.

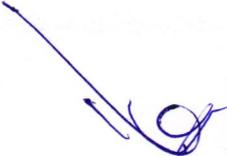

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TEDNER FORMAT FOR PRICE BID (COVER-B)

Sl. No.	Name of the items	Specification	Unit Price Including along with cost of excise duty, insurance, installation, packing Transportation, forwarding, freight (door delivery) excluding GST.
1	2	3	4

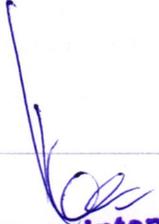
***N.B.**

1. Price to be quote in only Indian rupees.
2. GST as applicable.


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1. Specifications- Fully Automated Analyzer

1. Should be fully automated random access, discrete, patient prioritized, walk away system
2. Should have a photometric through put not less than **800T/H**
3. Should have a through put of **1200T/H** with ISE
4. Should be capable of performing Biochemistry, Immunoassay, and ISE
5. Should be with **single chip ISE** module for easy maintenance.
6. Should have a minimum of **100 parameter channels**.
7. Should have more than **50 parameters on board at the same time**.
8. Should be capable of accommodating not less than **100** reagent bottle positions including R1&R2 at the same time.
9. Should have **different reagent disks for R1 & R2**
10. Should have reagent dispensing volume **20 – 345 uL**
11. Should have facility to **dilute concentrated reagents**.
12. Sample tray type should be **Universal sampler** with option to accommodate primary sample or cups
13. Sample tray should be of **turn table type** with **dual sample carousel** which can be loaded independently.
14. Should have minimum **100 sample** positions excluding controls and **separate position** for low volume STAT sampling.
15. Should have **auto dilution** facility for **Calibrator**.
16. Should have End Point (with or without sample Blank) Rate (with or without sample blank) assay facility.
17. Should have calibration types **Abs, Factor, Linear, Logit-4, Logit-5, Exponential, Spline, Ref blank**
18. Should have sample volume as low as **1.5 uL to 35 uL**
19. Should have pre dilution mode, **automatic re assay with diluted, reduced or increased sample volume**
20. Should have **optimized sampling sequence for carryover prevention**.
21. Should have reusable reaction cuvette made up of **Hardglass** with 165 or more **positions**
22. Should have reaction temperature 37°C with stability $\pm 0.1^\circ\text{C}$ maintained preferably by **water bath**.
23. Should have **independent probes for taking R1, R2 and sample** with liquid level sensing technology, and sample **Clot detection** facility.
24. Should have minimum six **refrigerated sample position for controls**.
25. **Instrument should have flex rate function**.
26. Should have **independent dilutors made up of Acrylic, Steel or ceramic piston** for sample and reagent aspiration.
27. Should have Tungsten halogen lamp with photometric range **-1.0 to 3.0 Abs**
28. Should have photometric linearity $\pm 2\%$
29. Should have fixed **grating photometry with 16 Wavelengths** from 340nm to 804nm (340,380,404,416,450,476,500,524,548,572,604,628,660,700,748,804)
30. Should have **touch screen** user interface with external printer
31. Should have **auto start & auto shutdown** functions.
32. Should have bidirectional **LIS** compatibility.
33. Should meet **IEC 61010-1 and IEC 61236** standards.
34. Warranty 5 years


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2. TECHNICAL SPECIFICATION FOR FULLY AUTOMATIC RANDOM ACCESS CHEMILUMINESCENCE IMMUNOASSAY

GENERAL		
USE		
1.1	Description of Product	A medical diagnostic based on the highly specific interaction between an antibody and an antigen. Chemiluminescence Immuno assay analyser is used to perform biochemical tests to detect or measure specific proteins or other substances through their properties as antigens or antibodies.
1.2	Function/Application	Fully automated, latest bench-top/Floor analyser based on latest Chemiluminescence technology formeasuring the assays with very high sensitivity & specificity and should able to perform different immunoassay parameters like (Hormonal-Thyroid & Fertility, Hepatic fibrosis, Complete Torch, Inflammation Monitoring, Auto-Immune, Hypertension, Tumor Markers, Infectious Diseases, Glyco Metabolisim, Cardiac Markers, Coagulation Markers, Metabolisim, Prenatal Screening, Anemia, Drug Monitoring & Bone Metabolisim...etc etc) from serum plasma & urine samples.
STANDARDS AND SAFETY		
2.Quality Standard related to		
2.1	Product model	Should be European CE approved product
2.2	QMS of Manufacturer	Should be ISO 13485 certified for quality standards
TECHNICAL		
3.TECHNICAL Characteristics and Specification		
1	System should be fully automated random access chemiluminescence analyser	
2	It should be closed type, Barcoded/ RFID system.	
3	Throughput of the system must be 450 tests/hr	
4	The system should have capacity of loading minimum 412 samples in a single mode with continuous loading mode.	
5	There should be No Pause in loading the STAT mode for emergency samples.	
6	Automatic Sample barcode reader reorganisation& the system must have functions for real time status monitoring of Reagents.	
7	Up to 15 reagents at a time showing the status of reagents on-board and should have the provision of continuous loading of reagents.	
8	The system must use separate Cups & Tips to limit the carry over.	
9	Calibrator and control should be provided by manufacturer, Free of cost.	
10	Onboard cooling should be available for reagents.Inbuilt refrigerationsystem with controlled temperature & humidity for reagent storage to maintain the stability of reagents on board.	
11	Flexible to use different sample containers like primary tubes with different sizes, sample cups, micro cups and cup on tube for easy processing.	
12	Facility for sample clot detection, reagent detection, short sample detection, Liquid level sensing to ensure accuracy without wasting reagents.	
13	This should have onboard dilution and automated re-run facility.	
14	This system should have the facility to store minimum 20 lakh test results.	
	Reagent self life	the company should provide reagents with 180 days expiry.
	Computer System, Printer&UPS	1. Should be supplied with an integrated computer with inbuilt software. Any future software up gradation to the latest version (if required) shall be done free of cost.

		2. System shall have windows based software capable of up gradation, with a touch screen monitor.
		3. System shall have bidirectional RS 232 / USB interface compatible with laboratory information system/hospital information system (LIS /HIS).
		4. Should supply external printer which is fully compatible with the quoted model and recommended to take print out of patient results and QC reports without any problem.
		5. System should provided with Online Uninterrupted power supply
	Miscellaneous	
	Onsite comprehensive Warranty in years	5 years



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3. TECHNICAL SPECIFICATION FOR FULLY AUTOMATIC 7 PART CBC ANALYZER

- 1) Fully automated high end 7 part hematology analyzer with Extended DIFF Populations including- MG, IMM, IML & ALY based on impedance and flow cytometry technology.
- 2) It should be capable of processing at least 120 samples per hour with minimum sample volume of 110µl.
- 3) It should have capacity of loading 12 racks at a time with 10 samples/rack.
- 4) 360 Degree sample mixing with capacity of 20 samples at a time.

5) It should give at least the following parameters and total of 59 parameters:-

WBC count, Corrected WBC Count, RBC count, Hemoglobin, Hematocrit, MCV, MCH, MCHC, RDW, MIC%, MAC%, PLT, MPV, PDW, P-LCC, P-LCR, NLR, NRBC percentage and absolute counts, NEUTROPHIL percentage & absolute counts, EOSINOPHIL percentage & absolute count, BASOPHIL percentage & absolute count, MONOCYTE percentage & absolute count, LYMPHOCYTE percentage & absolute count & IMG, IML, IMM, percentage and absolute count with direct measurement of each leukocyte population. RET #, RET%, CRC, IRF, RHCC, MFI, PIC, MRV, RETH%, RETM%, RETL%, PLT-O, BFWBC, BFRBC, BFPN#, BFPN%, BFMN#, BFMN%.

6) Should be capable of performing automated Reticulocyte analysis by using GOLD Standard stain Thiazole Orange and enumerate immature reticulocyte fraction as well as MRV (mean reticulocyte volume) & CRC (Corrected Reticulocyte Count) and other fractions.

7) Should be capable of performing PLT count by Optical method.

8) Should offer automated body fluid analysis with 6 parameters for: CSF, Pleural, Peritoneal and Synovial fluids.

9) Should be capable of counting WBC from three different chambers and three different Lyse for accurate WBC counting & to enumerate Immature cell lines.

10) Should have Automation System with Autoloader and be able to perform analysis in 8 different modes such as CBC, DIFF, DIFF-LV, RBC-PLT-O, RET, DIR, CBF & CBR.

11) Should have only 6 Ready to use reagents and capability to have on board reagents to avoid contamination.

12) Should have a positive tube identification with barcode reader.

13) Should have the following minimum measuring & visible range for the below parameters:-

Parameters	Measuring Range	Visible Range (For high value samples)
WBC	0.0 to 300.00 x 10 ³ CELLS/µL	300.00 - 600.00 x 10 ³ CELLS/µL
RBC	0.00 to 8.80 x 10 ⁶ CELLS/µL	8.80 - 18.0 x 10 ⁶ CELLS/µL
HGB	0.00 to 24.5g/dl	24 - 30g/dl
HCT	0.00 to 68.8%	68.8 - 80.0%
PLT	0 to 5000.0 x 10 ³ CELLS/µl	5000.0 to 6000.0 x 10 ³ CELLS/µl
RET%	0.0 to 35.0%	35.0 to 100.0%
RET#	0 to 1.24 x 10 ⁶ /mm ³	1.24 - 1.80 x 10 ⁶ /mm ³

- 14) Should have working Temperature of 15-30 degree Celsius.
- 15) Should have SRV (Sampler rotary valve) for the distribution of sample.
- 16) Should have in-built touch screen color screen to access the analyzer directly.
- 17) Should have automatic back flush cleaning after every cycle.
- 18) Must have bi-directional communication (HL7) capability with laboratory information system.
- 19) Should have storage of at least 10000 numeric patient results including graphics (10 Histograms + 4 matrix)
- 20) Equipment must be USFDA approved and CE/IVD certified.
- 21) UPS of adequate capacity to be provided if required.
- 22) All reagents and quality control materials as per instrument manual and manufacturer policy should be quoted.
- 23) Latest PC Configuration - Processor: One Intel Xeon or equivalent Processor. Memory of 2GB RAM, Hard Drive - 250GB
- 24) Interface software corresponding with the equipment with accessories.
- 25) Power supply - 100-240VAC, 50-60Hz.
- 26) Please specify list of consumables/consumable spares (i.e. spares need to be replaced at regular intervals, may be quarterly/half yearly/ yearly such as annual maintenance kit etc.) if any.
- 27) Complete warranty 5 years.



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