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(Dept. of Health & FW, Govt. of Odisha.)



NO. 31

DT. 02.01.2023

**CORRIGENDUM**

After Pre bid discussion on the tender Call Notice No.5234, Dt.22.12.2022 for supply of Equipment & Instrument under WODC Fund/o CDM & PHO, Deogarh, has been amended. The revised tender call notice is available in the District Web Site [WWW.DEOGARH.NIC.IN](http://WWW.DEOGARH.NIC.IN) .The correction made are as follows.

1. The CBC -5-part Specification published vide Tender No.5234, Dt. 22.12.2022 is hereby corrected.
2. CBC -3-Part, Semi Automated Clinical Chemistry Analyzer included in the bid.
3. Fully automated Random Dry Bio Chemistry analyzer medium through put may be read as High through Put. Fluid consumption should be less than 1 litre /24 hours & Sample dead volume maximum is deleted from specification. The bidders are also requested to include the cost for the following items along with items published earlier\*

Sl. No.	Name of the item	Unit	Brand	Unit Price including GST & other taxes
1.	CBC Automated 3-Part	2		
2.	Semi Automated Clinical Chemistry Analyzer	2		

All other terms and conditions of the Tender Call Notice remain unaltered. The last date & Time of receipt of bid documents is extended up to 12/01/2023 at 12.00 Noon. The date & Time of opening the Tender is at 12/01/2023 at 03:00 PM.

Sd/-

  
21/1/23  
CDMO & PHO cum- District Mission Director, Deogarh



## Specifications of 5 Part Hematology Analyzer

1. The instrument should be fully automated flow cytometry based 5-part differential hematology analyzer offering automatic start-up, shutdown and sample-analysis.
  2. The instrument should have random access discrete analysis modes for CBC , CBC+DIFFERENTIAL
  3. The instrument should have 26 PARAMETERS reported:  
WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-sd, RDW-cv , PLT, NEUT %, LYMPH %, MONO%, EOS %, BASO %, NEUT #, LYMPH #, MONO #, EOS #, BASO #, PDW-SD, PDW-CV, MPV, PCT, P-LCR, P-LCC,  
THREE HISTOGRAMS – WBC, RBC, PLT and ONE SCATTERGRAM
  4. The instrument should have throughput of minimum 60 samples per hour in both the discrete analysis modes.
  5. The instrument should have the following analysis modes , Manual – open , Capillary and predilute mode.
  6. The instrument should have impedance method for RBC/PLT channel.
  7. The instrument should use Cyanide free reagents for the hemoglobin measurement
  8. The instrument should be equipped with semiconductor laser based flow cytometry for Differential channel.
  9. Sample volume should not exceed 20  $\mu$ l
  10. Analyzer must have facility for real time reagent monitoring
  11. Analyzer must have facility to auto dispense pre-defined volume of diluent for predilute mode
  12. It must have provision to incorporate morphological findings and other test results like ESR, CRP etc in the instrument report printout
  13. The instrument should have COMPREHENSIVE INFORMATION PROCESSING SYSTEM with:  
User-friendly software.  
50000 sample data with histogram and scattergrams storage.  
500 QC files each with 300 points for QC can be stored.
  14. The instrument should have minimum maintenance with Semiconductor laser has lower power consumption, higher stability, and longer life thus cutting down on maintenance cost.
  15. It should come with the minimum warranty of 2 years and there should be provision of paid CMC after expiration of warranty for minimum 3 years
  16. The instrument to be supplied with ~~online~~ online UPS with 3 hour back up.
  17. FOC reagent and cell clean for 2000 test to be supplied along with the instrument.
  18. It should have high linearity of min 3 lacs for WBC's , over 25 lacs for Platelets
  19. Instrument should be either US FDA / CE / BIS approved.
  20. The company supplying the instrument should have a good track record and excellent service and distributor network all over India.
  21. Engineer HQ should be based at Rourkela/ Sambalpur for prompt service.
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2. Must be attached Reagent pack size & price in price bid as annexure. Rate will be fixed for 2 years till completion of warranty.

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*Adh*

## SPECIFICATIONS

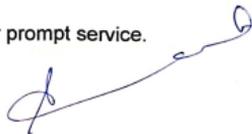
### Semi Automated Clinical Chemistry Analyzer

1. Analyzer should be microcontroller based semi-automated analyser to perform routine biochemistry tests (endpoint, fixed time & kinetic chemistries, multi standard curve calibration & memorisation) etc.
2. Analyzer should have facility to select atleast 50 tests directly through key pad.
3. Analyzer should offer 200 or more user definable programmable parameters.
4. Analyzer should have 8 static interference filters (not filter wheel) with wavelength selectable from 340 - 670 n.m.
5. Analyzer should have programmable aspiration volume from 100 - 2997  $\mu$ l.
6. Analyzer should have facility to store around 5000 test results in the memory and can recall stored test results in following formats i.e. ID wise, Date wise, Date & ID wise, Date and Test wise, Patient report with demographics.
7. Analyzer should have full-fledged QC menu to give daily & monthly QC with levy jennings graphs for three controls per test.
8. Analyzer should have flow cell with volume capacity of 20  $\mu$ l or less and temperature selection settings programmable from 20<sup>0</sup>C - 40<sup>0</sup>C in steps of 1<sup>0</sup>C.
9. Analyzer should have facility to perform result recalculation facility soon after the abnormal kinetic tests gets completed.
10. Analyzer should be capable of performing coagulation assays like PT & APTT.
11. Analyzer should have provision to run 3 replicates each of standards & samples.
12. Analyzer should perform non-linear calibration with upto 10 standards.
13. Analyzer should have the provisions for 5 fixed calculations items.
14. Analyzer should have USB port facility to transfer test results from the analyzer directly to PC and as well as to external printer.
15. Analyzer should have a separate port to directly connect to a dry block incubator and also a separate port to connect to an external keyboard.
16. Instrument should be CE certified and US-FDA registered.
17. The instrument manufacturer should be manufacturer of reagents, controls and calibrators, and it should be preferably of INDIAN origin.



### Specifications for Automated 3- Part Differential Hematology Analyzer

1. The instrument should be fully automated 3-part differential with 22 parameters offering automatic start up, shutdown and sample analysis.
2. The instrument should have Cyanide free, colorimetric method for the hemoglobin measurement.
3. The instrument should report minimum 22 PARAMETERS including, WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, Lym#, Mid#, Gran#, Lym%, Mid%, Gran%, RDW-SD, RDW-CV, PDW-SD, PDW-CV, MPV, PCT, P-LCC, P-LCR with THREE HISTOGRAMS – WBC, RBC, PLT
4. The instrument should have a throughput of 60 samples/hour
5. The instrument should have around 50,000 searchable sample data storage.
6. The instrument should have colored 10.4" LCD touch screen with intuitive menu icons for easy operation
7. The instrument must have provision to incorporate morphological findings & other test results like Blood Group & RH type, ESR, C-reactive protein and Reticulocyte counts etc. in the instrument report printout
8. The instrument should have in-built thermal printer and 4 USB interfaces for connecting external printer, keyboard, mouse, barcode scanner
9. The instrument should have following analysis modes Manual - Open, Pre-dilute and Capillary
10. The sample volume should not exceed 9  $\mu$ l in manual mode, 20  $\mu$ l in pre-dilute & capillary mode each
11. To ensure economy as well as better reagent inventory management, the number of reagent types "that are required to be connected to the system" for operation **should not exceed 2 types** preferably (excluding calibrators, controls and other ancillary reagents that are not required during each sample analysis)
12. Instrument should have in-built Real time Inventory Management system to track usage of reagents
13. Instrument should have facility to auto-dispense pre-defined volume of diluent in pre-dilute mode
14. The company supplying the instrument should have a good track record and excellent service and distributor network all over India.
15. Engineer HQ should be based at Rourkela/ Sambalpur for prompt service.



16. Must be attached Reagent pack size & price in price bid as annexure. Rate will be fixed for 2 years till completion of warranty.

