Expression of Interest

Govt. Hospital Gandhi Nagar Jammu invites Expression of Interest from eligible established diagnostic venders for supply/Installation/Testing and Commissioning of one unit each of :

1. Fully Automated Biochemistry Analyser.
2. Fully Automated HbA1c Analyser.
3. Fully Automated Immunoassay Analyser.
4. Fully Automated Coagulation Analyser.

On reagent rental basis for laboratory upgradation with equipment specific specifications as under:

Equipment 1.

Fully Automated Biochemistry Analyser:

1. System for analysis of serum, plasma, urine, cerebrospinal fluid (CSF) and hemolysate.
2. Analytical Mode: End point as well as Kinetic, Automatic ,discrete, Random Access
3. On board parameters :Minimum 25-30 parameters, throughput Minimum 200-400 test/hour and ISE test.
4. Continuous loading facility to be provided.
5. Sample Volume : Minimum 3 – 15 µl/test.
6. Reagent Volume: Maximum 150-300 micro litre for single reagent. Multi-reagent facility should be provided.
7. Error Check : Automatic flagging for errors.
8. Auto dilution facility : For high value samples.
9. Repeat Run facility . Facility to check the results by repeat run on the desired samples.
10. Sample clot and Probe crash detection facility.
11. Self diagnosis and trouble shooting: For minor day-to-day problems.
12. Calibration & quality control : Linear/ Non-Linear/ Multipoint.
13. Onboard Bar Code Facility: Bar Code ID for sample tube and Reagent Identification Facility.
14. Reagent storage facility: Onboard refrigeration of 30 – 50 reagent bottles.
15. Stat facility – refrigerated: Separate provision for Urgent Samples.
16. LAN interface facility : Online data transmission facility through LAN to the Computer Network of the Hospital alongwith necessary software.
17. Measurement: Mono & Biochromatic with polychromatic correction for interfering substances.
18. Cuvette washing system: Inbuilt with automatic cuvette absorption measurement ability.

19. Probe system: Separate probe for reagent and sample.
    OPTICAL SYSTEM: Light Source: Halogen/ Xenon Lamp. Wave Length Range: 340 – 800 nm with polychromatic correction. Optical Detection: Diffraction gratting.
    O.D. Range : 0 – 2.5.
20. Computer specification :CPU core i5, 2.7 GHz and above; 2 GB RAM; 1 TB Hard Disk Drive; 52 X: Serial and parallel ports ; Keyboard (IOS) , Mouse and Mouse Pad; Preloaded latest MS Windows registered Versions; SVGA Monitor size 15" Inkjet printer; Modem 56K. latest anti-virus.
21. The system must be USFDA or European CE approved.

EQUIPMENT 2. : Fully Automated HbA1c Analyser.

1. System should be compact bench-top HPLC system.
2. System should be fully automated and should not require any manual intervention for the operation of the system.
3. System should be able to use whole blood sample.
4. System should use not more than 20µL of whole blood sample and 400 µL of diluted sample.
5. System should not take more than 10 minutes to report the first result.
6. System should not take more than 2.5 minutes to analyse every HbA1c sample.
7. System should be equipped with auto-sampler capable of automated haemolysis and sample dilution.
8. System should be equipped with primary tube sampling with cap-piercing facility.
9. System should be equipped for loading at least 10 samples at a time. Optional ports for calibration.
10. System should automatically differentiate manual dilution and auto dilution before sampling without any operator intervention.
11. System should maintain the column at an ambient room temperature (20 - 30° C) and does not need temperature optimization for every change of kit.
12. System should not require the on-board refrigeration for reagents.
13. Each reagent kit should suffice for a minimum of 500 tests.
14. System should have on-board inventory monitoring system along with real time pressure monitoring.
15. System should have built-in LED colorimetric unit for quantification.
16. System should be equipped with built-in thermal printer for report delivery.
17. System should be equipped with RS232/LAN/USB port for computer interfacing.
18. System should be able to store more than 500 patient results.
19. System should be able to detect stable HbA1c.

20. Estimation of stable HbA1c should by means of true chromatographic separation and should not be mediated by a software or algorithm.
21. System should not need calibration on every change of Assay Kits.
22. System should deliver CV < 3%.
23. System should be able to detect HbA1c between 3 % - 19 %.
24. System should not have any interference from HbF up to 20% and any other haemoglobin derivatives.
25. The system should be able to detect correct A1c values in presence of abnormal hemoglobin variants like HbD, HbE, HbS & HbC in heterozygous condition.
26. System should not use primers before each run of batches and minimal reagent consumption during automated maintenance schedule.
27. System should have minimal automated maintenance procedures.
28. System should be free from regular decontamination processes and manual purging processes.
29. System should be LIMS compatible.
30. System should have dedicated reporting software for data processing and unlimited chromatogram storage and easy review.
31. The company should be able to provide chromatogram guide book with normal and abnormal hemoglobins.
32. The System should be NGSP (National Glycohemoglobin Standardisation Program) Certified and traceable to IFCC reference method.
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34. The system must be USFDA or European CE approved

EQUIPMENT 3: Fully Automated Immunoassay Analyser.

1. System should be a Fully Automated Walkaway Immunoassay Analyzer.
2. System should be a continuous random access analyzer.
3. System should have a throughput of 36 tests per hour.
4. System should be able to generate first sample report within 20 minutes and the subsequent results after every 100 seconds.
5. All the analytes should have a reaction incubation time of 10 minutes.
6. System should be capable of holding barcoded primary tubes.
7. System should be equipped with bar-code enabled identification of sample tubes.
8. System should use the unit dose test cups which will contain the important reagents in a freeze dried format.
9. System should use unit dose test cups that do not require pre -mixing or pre-measurement & should be directly loaded onto the analyzer.

10. System should have calibration stability of atleast 90 days for all the analytes.
11. System should be based on the principle of photon emission enzyme Immunoassay.
12. System should have a capacity of pipetting sample from volume of 10 to 125 µl.
13. System should be enabled to perform daily check /daily priming of the analyzer.
14. System should be enabled with automated level sensors.
15. System should be equipped with pressure detection enabled sample clot-detection mechanism.
16. System should have an extensive test menu that should include thyroid hormones, tumor markers, fertility markers, cardiac markers, metabolic markers, etc
17. The system must be USFDA or European CE approved

EQUIPMENT 4: Fully Automated Coagulation Analyser.

1. Range of Tests PT, APTT, FIB, TT, RT, FACTORS-II, V, VII, VIII, IX, X, XI, XII, Protein-C, Protein-S, Anti-Xa heparin assays.
2. Should be able to detect Fibrinogen and Factor VIII in lower clotting positions
3. 16 incubation wells at 37° C
4. 2 Positions of Reagents at 37° - (One with magnetic stirrer)
5. 4 Independent built-in timers for incubation with audible alarm.
6. Attached Cabled Micropipette for measurement of sample & reagent.
7. LCD display for results 8. It should generate the standard curve for factor assays.
8. Electromagnetic clot detection system.
9. Integrated Key board having numerical and function control keys.
10. Divisible cuvette strips
11. No sample interferences like turbidity, lipemia.
12. The system must be USFDA or European CE approved

(on the letter head of the firm)

Personal Information:-

1	Name of Vendor	
2	Complete Address of the Vendor	
3	Date of Registration of Firm	
4	PAN Number	
5	Month & year of Establishment	
6	Authorizes Distributor/Franchise/Supplier of (Specify brand and attach certificate) if applicable	
7	Email id and mobile number	
8	Other information	

Detail of work experience:- Contract copy to be enclosed)

S.No	Worked with (Name of the Organization)	Period	
		From	To

Signature of the Vendor with stamp/seal

Documents to be attached:-

- PAN
- Firm/Company Registration Certificate.
- GST Certificate, if any.
- Other Statutory Registrations/Licenses, if any.
- Experience details, along with supporting contract copies.
- Any other documents as required under other provisions of this EOI document and not mentioned herein above.