
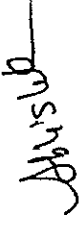



	<ul style="list-style-type: none"> • Firm should ensure rodent control for their instrument. • Firm shall provide list of consumables and reagents used in the equipments in the technical bid • Firm shall provide split Air conditioner of 1.5 tonn 5 star rated • Firm shall provide the user list from NABL accredited labs. 			
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NIB no. _____

Item no- 10

GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
(BID DATA SHEET)

DETAILED TECHNICAL SPECIFICATION CUM TECHNICAL COMPLIANCE STATEMENT

1. The Technical Compliance statement should be in this sheet only or may be on own latter head in this format, otherwise it will be assumed that Bidder is not able to offer technical desired product. Information provided elsewhere or in any different form will not be considered.
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3. If the bidder wants to offer more than one Model Photocopies of this sheet may used for the either modal offered in financial bid should be mention on own separate sheet.
4. The following quantity constitutes ONE set for each medical college
5. The supply of the material with complete installation to make it functional will be given FOR at respective Medical college
6. Demonstration of equipment may be asked prior to opening of financial bid

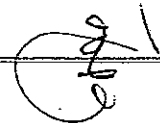
5 part hematology analyzer		Estimated Price for ONE SET=
Sr No	Desired bid's Technical Specification Point wise	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.
	<p>Qty for ONE Medical College (1 set comprises of two units)</p> <p>2</p>	<p>Technical experts comments Y/N</p>
	<p>The instrument should be fully automated fluorescence flow cytometry based 5-part differential hematology analyzer offering automatic start-up; shutdown and sample-analysis. The instrument should have random access discrete analysis modes for CBC , CBC+DIFFERENTIAL+ IG. The instrument should have 24 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, MPV, PCT, P-LCR, IG #, IG %</p> <p>TWO HISTOGRAMS – RBC, PLT and ONE SCATTERGRAM</p> <p>The instrument should have throughput of atleast 60</p>	<p>Make</p> <p>Model</p>

Joshi

Sharma

samples per hour in both the discrete analysis modes and auto loader mode.
 The sample aspiration volume for the complete differential blood count should not be more than 70 µl.
 The instrument should have the following analysis modes, Manual – open & Capillary mode.
 The instrument should have Hydrodynamic focusing / impedance method for RBC/PLT channel.
 The instrument should have Cyanide free Sls-hb /colorimetric method for the hemoglobin measurement
 The instrument should be equipped with Fluorescence based semiconductor laser fluorescence flow cytometry for Differential channel.
 Instrument should be able to enumerate immature granulocytes
 The instrument should have comprehensive information processing system with User-friendly Windows XP/7 based software.
 The instrument should have minimum maintenance cost.
 It should have high linearity of over 4 lacs for WBC's, over 40 lacs for Platelets
 It should be supported by Company's on-roll Service Engineers based in various cities in Rajasthan.
 The System should be USFDA approved
 Firm should ensure rodent control for their instrument.
 Firm shall provide list of consumables and reagents used in the equipments in the technical bid
 Firm shall calibrate the equipment *Annually free of cost*
 Firm shall provide split Air conditioner of 1.5 tonn 5 star rated
 Firm shall provide the user list from NABL accredited labs.
 The firm shall attend the breakdown within three days
 The firm should provide a *Complete Set of reagents at the time installation*

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Item No - 11412

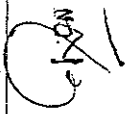


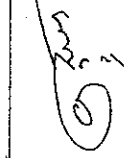
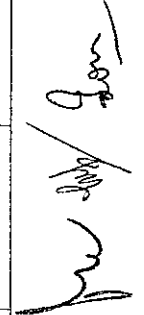
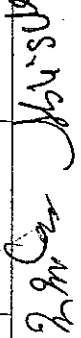
NIB no.

GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
(BID DATA SHEET)








DETAILED TECHNICAL SPECIFICATION CUM TECHNICAL COMPLIANCE STATEMENT

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- Demonstration of equipment may be asked prior to opening of financial bid

Binocular & monocular microscope		Estimated Price for ONE SET=			
Sr	Desired bid's Technical Specification Point wise	Qty For ONE college (1 set comprises of the following itemized qty)	Estimated price per unit	Quoted technical specification by bidder must be filled in this column or format on letter head. (mandatory) Make Model	Technical experts comment Y/N
1	<p>Binocular Microscopes (With Inbuilt Light Source) The Stand shall be made of antirust and antibacterial materials. All optical components should be made of lead free optical glass and are antifungus coated. It should have corrected eyepieces with dual diopter adjustment The Viewing Head shall be at 45° inclined and 360° rotatable with IPD 54 - 74 mm The Objectives shall be DIN Semi Plan Achromatic 4X, 10X 40X & 100X Oil and anti fungus treated</p>	50 units			

<p>The Eyepiece with guard shall have WF10X and FN 18 mm It shall have LED illumination of long working hours. It shall have Coaxial Coarse and fine focusing The dimension of Mechanical Stage shall be 130-135(W) X 120-125 (D) mm with low drive control Stage movement (XY direction) Quadruple revolving nose piece shall be there. It shall have Abbe condenser with N.A. 1.25 , with built-in daylight filter and Aperture iris diaphragm Products should be CE and USFDA approved Shall be supplied with Accessories, dust cover, power cord and Wooden box/cabinet for each microscope. Shall run on Power 220 V/ 50 Hz Demonstration of the equipment may be asked prior to opening of financial bid</p>			
<p>2 Monocular Microscopes</p> <p>It should have Wide Field and LED illumination for comfortable and reliable operation with modern design. Products should be CE and USFDA approved. Demonstration of the equipment may be asked prior to opening of financial bid</p> <p>Viewing Head Monocular, Inclined at 45°, 360° Rotatable Eyepiece Triple Nosepiece Eyepiece Wide Field Eyepiece WF10x/18 with diopter adjustment chromatic 4x, 10x, 40x(S) Objective Stage Plain Stage with Slide Clips 110x 120mm Focusing Coaxial Coarse and Fine Adjustment Condenser Single Lens NA 0.65 with Iris Diaphragm Illumination LED Illumination, Brightness Adjustable</p>	66 units		

Item no-13

NIB no.

GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
(BID DATA SHEET)

DETAILED TECHNICAL SPECIFICATION CUM TECHNICAL COMPLIANCE STATEMENT

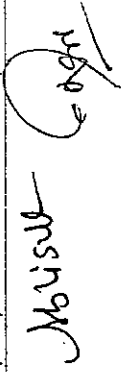
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HbA1C analyzer

		Estimated Price for ONE SET=		
Sr No	Desired bid's Technical Specification Point wise	Qty for ONE College (1 set comprises of ONE unit only)	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.	Technical experts comments Y/N
	<p>HbA1C analyzer</p> <ol style="list-style-type: none"> Fully automated bench top integrated system for measurement of HbA1c The system should be based on high performance liquid chromatography (HPLC) technology The system should have faster throughput of <3.5 minutes per sample Complete ready to use kit with Buffers, Column, Calibrator and sample vials. The system should contain low pulsation dual syringe pump with programmable buffer delivery. The system should be able to run sample from 	1	Make Model	

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	<p>both primary tube and outside dilution mode.</p> <ol style="list-style-type: none"> 7. The system should be CE certified 8. The system should be NGSP (National Glycohemoglobin Standardization Program) certified. 9. The system should have complete elimination of labile glycohemoglobin(Labile A1c) ensuring accurate HbA1c results. 10. The system should be able to give HbF& HbA2 flag in A1c mode 11. The system should accept multiple samples tubes size including primary tubes, microcapillary tubes, 1.5 ml sample tubes etc. 12. The system should have large color display for ease of operation. 13. The system should have software to view real time chromatograms of samples analysis 14. The system should have in-built barcode reader for positive samples identification 15. The system should have bidirectional LIS facility 16. The system should have on board QC monitoring with Levey-Jennings and statistical calculations. 17. The system should be free from interference from common Hb variants including heterozygous HbS, HbC, HbD ,HbE. 18. The system should have RFID for reagent tracking and identification. 19. The system should have unlimited storage of calibration, QC data and chromatograms. 20. The company should be able to provide normal 		
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Item No: 15

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GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
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Biochemistry: Hot air oven & Incubator		Estimated Price for ONE SET:-			
Sr No	Desired bid's Technical Specification Point	Qty for ONE Medical College (1 set comprises of 2 units each)	Estimated price per unit	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.	Technical experts comments Y/N
	<p>Hot air oven Should have a temperature range of surrounding plus 10 ± 2 degrees to 320 ± 20 degree Should have advance preheating system The exhaust flap shall be controlled by Electromechanical control Chamber should be of stainless steel Should work on convection mode which is natural The Approximate volume is around 110 Ltr Should have lcd display and system controller. Should have USB port for recording data Should have 24 point temperature calibration Should have Temp Uniformity at 150 degree : 2 ± 0.05 K</p>	2 units		Make Model	

Signature
Date: 7.11.17

<p>Should have Temp fluctuation at 150 degree : 0.4 ± 0.005 K The Recovery time after 30 second door opening at 150 degree shall be 18 to 22 min. Demonstration of equipment may be asked prior to opening of financial bid It should have class 2 safety device. European CE or USFDA certified and capable of validation as per international standards Electrical safety conforms to standards for electrical safety IEC-60601 / IS- 13450</p>					
<p>INCUBATORS. Should have a temperature range of surrounding plus 5 ± 2 degrees to 100 ± 10 degree Should have advance preheating sytem The exhaust flap shall be controlled by Electromechanical control Should have class 3.1 safety device. Chamber should be of stainless steel Should work on convection mode which is natural Approximately 110 Ltr Should have lcd display and system controller. USB port for recording data Should have full size inner glass door 24 point temperature calibration Temp Uniformity at 37 degree : 0.4 ± 0.05 K Temp fluctuation at 37 degree : 0.1 ± 0.005 K Time to heat up to 37 degree 57 ± 2 min. Demonstration of equipment may be asked prior to opening of financial bid European CE or USFDA certified and capable of validation as per international standards. Conforms to standards for electrical safety IEC-60601 / IS- 13450</p>	<p>2 units</p>				

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<p>technologies.</p> <p>It should be able to take a potable tap water according to International norms as a feed .</p> <p>System should be upgradeable to higher flow rates.</p> <p>The feed water quality testing should be provided by supplier and may provide additional accessories to meet the actual levels of contaminations.</p> <p>The system should be capable of bench/wall mounting installation with tank and clear backlit display with modes and reservoir fill-level status.</p> <p>The system should be GLP compliant and should be able to automatically collect data with RS 232 port in accordance with international guideline.</p> <p>The system should be capable of Validation. It should have cell constant of 0.01/cm with temperature compensation of 0.1 degree.</p> <p>System should have recirculation pump to recirculate water through tank.</p> <p>The product water quality should be as follows:</p> <p>Resistivity: Clearly 10-15 MΩ.cm</p> <p>TOC: <30ppb</p> <p>Bacteria removal: >99%</p> <p>Particle : >99%</p> <p>SECOND STAGE(STORAGE)</p> <p>The water should be stored in a 100 liters compatible tank which should made up of pigment free polyethylene. The tank should be cylindrical to minimize surface area. It should be supplied with a vent filter to avoid air borne contaminations. This water should</p>			
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go as a feed into microprocessor controlled Type I system which should be able to produce water for Molecular Biology applications.

THIRD STAGE(ULTRAPURE)

System should be able to give at least 200Ltr/day of Type I water.

It should have remote and volumetric dispensing system from 0.01-65 ltr.

The system should be equipped with inbuilt high capacity ultrafiltration cartridge in order to avoid frequent replacements.

System should use Ultrafiltration and 0.22u filter simultaneously.

It should have a provision of monitoring feed water quality and conductivity cells with cell constant of 0.01/cm for accurate measurement enabling elongated consumable life.

Conductivity should be displayed.

It should have a suitable sensor/alarm to monitor UV intensity.

It should be able to quickly replace a cartridge without wasting time and water avoiding air purging etc. The systems should be GLP compliance and can be validated.

System should have high capacity double bowl deionization cartridge for longer life.

The final water quality should be as follows:

Resistivity : 18.2 MΩ.cm

TOC: 1-5 ppb

Bacteria: <1 cfu/ml

Particles : <1/ml (0.22 micron)

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	<p>Endotoxins: 0.001 EU/ml DNase: <0.5 pg/μl or better RNase: <0.004 ng/ml or better Flow Rate : upto 2 lit/min</p> <p>The User satisfactory certificate from any govt institution/Lab shall be attached with the bid</p> <p>The demonstration may be asked for the functioning equipment at Jaipur for validating specification parameters.</p> <p>The complete installation of the equipment including civil work/plumbing work will be done by the bidder.</p>			
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Item No-18

NIB no.

GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
(BID DATA SHEET)

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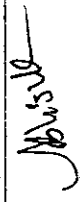

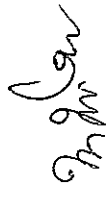
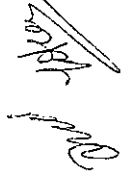

Fully automatic biochemistry analyzer		Estimated Price for ONE SET=
Sr No	Desired bid's Technical Specification Point wise	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.
	<p>Qty ONE College (1 set comprising of ONE unit only)</p> <p>1</p> <ol style="list-style-type: none"> It should be Fully Automated, Random Access Biochemistry Analyzer with STAT-testing capability. The Instrument should be capable of all routine and special biochemical tests including Specific Proteins, Therapeutic Drug Monitoring, Drug of Abuse, and Immuno-turbidimetric Assays of serum, plasma, urine, CSF etc. Throughput of machine should not be less than 400 Photometric tests/hour and 400 tests/hour ISE. It should have ISE for electrolytes Sodium, Potassium and Chloride. It should be able to perform test of HbA1c using anti coagulated whole blood. It must have Low water requirement of not more than 30 	<p>Technical experts comments Y/N</p> <p>Make Model</p>

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	<p>Liters/hour even during full load use, It must have alarm for fluid levels.</p> <ol style="list-style-type: none"> 7. Liquid level detection, collision and bubble detection must be present. Clot removal design. 8. It should show alert whenever sample is turbid, icteric, lipemic or hemolysed. 9. Must have Error Messages and Online Display. 10. It should have Diffraction Grating Photometric Detection with 12 or more wavelength selections in the spectral range 340nm to 850nm. 11. Light source Halogen/Xenon lamp should be covered under warranty and should have minimum life of 1000 hours. 12. Assay Types should be End-point, Kinetic, Fixed rate, Monochromatic, Bi-chromatic, ISE, Turbidimetric. 13. It must have barcode reader for Reagent and Samples. 14. Equipment should be supplied with compatible External water treatment system. Compatible On-line UPS for entire machine with one hour backup and 1.5 ton AC with Stabilizer and compatible water purification system. 15. Must be programmable for all test menus and have state of art work station. It should have capability for pre-dilution and automatic repeat of titer diluted sample. Automatic repeat for reduced or increased volume of sample. 16. Must have continuous loading of samples. 17. Cuvette temperature should be maintained at 37 ± 1 degree centigrade. 18. It should have good Real-time QC programme with L-J graph for NABL activities. Printout of QC charts and reports. Data Management should be in Real-time with monthly QC DATA LOGS, Automatic plotting of Levy-Jennings charts and Alarms when control results are out of range. 19. It should have Automatic printout of Patient Reports and full Patient Demographic. 20. Connectivity Connect with bidirectional LIS/HIS system; Extensive data management software, compatible & programmable windows based com data processing and management system. Graphical user interface software, LIMS Capability, Complete backup of data base for 		
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	<p>calibration control and patient sample results.</p> <p>21. Reagents probes must have liquid level sensor and crash detection. Should have internal and external washing facility for probes. All probes should have long life of at least 24 months and covered in warranty, otherwise it should be replaced for free.</p> <p>22. It should have two separate probes for reagents and separate probe for samples. For pediatric samples minimum dead volume of sample cup not more than 50 μl.</p> <p>23. It should support Sample Tubes of various standard sizes.</p> <p>24. It should be able to take blank cuvette reading for each run.</p> <p>25. Should have pre and post dilution of samples and rerun capacity of out of range samples.</p> <p>26. The Operating System should be system compatible, Windows based Software.</p> <p>27. It should have the suitable compatible PC.</p> <p>28. Comprehensive and full training of all users by supplier for operating equipment and trouble free maintenance at installation point.</p> <p>29. System should be supplied with all necessary pre requisites, startup kits, QC and calibrators, free reagents and consumables for testing and calibration.</p> <p>30. Vendor must done installations of same machine in any Govt./Semi Govt./Reputed NABL accredited Lab. and provide the user list with address and telephone contacts.</p> <p>31. Vendor must attend to any machine related problems within 48 working hours.</p> <p>32. Demonstration may be required before final technical approval.</p> <p>33. System should be USFDA and CE certified and the certificates must be enclosed with the bid</p>		
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Item no - 18

NIB no.

GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
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	Non ref centrifuge	Qty for ONE College (1 set comprises of Two units)	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.	Technical experts comments Y/N
Sr No	<p>Desired bid's Technical Specification Point wise</p> <ul style="list-style-type: none"> Should have Max speed: more than 17,800 rpm and 30,100 g force. Temperature range: $-10^{\circ}\text{C} \pm 2$ to $38 \pm 2^{\circ}\text{C}$ Microprocessor controlled system with direct brushless induction drive. Max timer range: 99h 59min, continuous The centrifuge must offer swinging bucket, fixed angle and microplate rotors to meet current and future sample processing needs of the lab. UL Listed, CE marked, IVD compliant and Certified Biocontainment. The buckets and rotor sealing lids must be certified for bio-containment by a 3rd party lab of worldwide 	2	Make Model	

Handwritten signatures and initials:
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	<p>recognition.</p> <ul style="list-style-type: none"> • Bucket lids must operate in a safe manner without spring clips or metal components. • The centrifuge must have a low profile for easy access by end-user • Rotors should be exchanged without using tools • Should have safety like imbalance detection and vibration measurement and rotor mass correction • Rotors/Adapters Required: <ul style="list-style-type: none"> • Fixed angle rotor for min 6 x 50 ml with Max speed: 9500 rpm and 12,108 g. Adapter for 15ml • Fixed angle rotor for 24x1.5/2 ml tubes and adaptor for 0.5 ml with atleast 30,000 g. • Plate rotor for running 4 standard or 2 deepwell microplates at atleast 2500 g force. • The rotors should be corrosion and maintenance free and should be quoted with more than 10 years replacement warranty. 		
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GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
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Sr No	Desired bid's Technical Specification Point wise	Qty for ONE Medical College (1 set comprises of One unit only)	Estimated Price for ONE SET=	Technical experts comments Y/N
	<p>6 part hematology analyzer</p> <ol style="list-style-type: none">1. The instrument should be fully automated fluorescence flow cytometry based 6-part differential hematology analyzer offering automatic start-up, shutdown and sample-analysis.2. The instrument should have random access discrete analysis modes forCBC +NRBC,CBC+DIFFERENTIAL+NRBC.3. The instrument should have 28 PARAMETERS reported: WBC, RBC, HGB, HCT, MCV, MCH, MCHC,RDW-SD, RDW-CV , PLT, NEUT %, LYMPH %, MONO%, EOS %, BA_{SO} %, NEUT #, LYMPH #, MONO #, EOS #, BASO #, PDW, MPV, PCT, P-LCR, NRBC #, NRBC %, IG #, IG %, THREE HISTOGRAMS – WBC, RBC, PLT and TWOSCATTERGRAMS	1 unit	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.	Make Model

Noted E.P.S. M.S. & G.S. 27/10/2019

	<ol style="list-style-type: none"> 4. The instrument should have throughput of more than 90 samples per hour in both the discrete analysis modes. 5. Instrument should have facility to integrate two or more instruments with a single computer which can be operated by single operator. 6. The sample aspiration volume for the complete differential blood count should not be more than 100 µl. 7. The instrument should have the following analysis modes , Manual – open & closed cap piercing (CP) capability to aspirate from closed tubes, Capillary mode and optional Sampler mode. 8. The instrument should have Hydrodynamic focusing / impedance method for RBC/PLT channel. 9. The instrument should have Cyanide free Sis-hb /colorimetric method for the hemoglobin measurement. 10. The instrument should be equipped with Fluorescence based semiconductor laser flow cytometry for Differential channel. 11. The instrument should report NRBC with every CBC count 12. Instrument should have facility for up gradation with additional clinical parameter (i.e. reticulocyte, reticulocyte hemoglobin , Body fluid etc.) 13. Instrument should have semi quantitative Q flags for various parameter like platelets clumps, atypical lymphocytes, turbid HB, anemia etc 14. Instrument should have options for auto sampler & integrated barcode reader. 15. The instrument should have comprehensive information processing system with: User-friendly Windows XP/ 7 based software. 16. The Manufacturer should have control of its own and also should have controls for body fluids. 17. Firm shall provide split AC 1.5 tonn, 5 star rated. 18. The equipment shall be provided with one complete set of reagents during installation 19. The list of reagents ,control etc shall be provided. 20. The calibration of instrument shall be done once a year free of cost. 21. The instrument should be EXTENSIVE QC FEATURES : 		
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	<p>Min one file for X bar M. Delta checks available for cumulative review. Option for online QC also available.</p> <p>18. It should have high linearity for WBC's (0- 4,00,000 cells/ μL), for Platelets (0-50,00,000 cells / μL), for NBC over 500 per 100 WBC.</p> <p>19. The company shall have service backup in Rajasthan. 20. The System should be USFDA approved</p>			
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Mem No-20

NIB no.

GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
(BID DATA SHEET)

DETAILED TECHNICAL SPECIFICATION CUM TECHNICAL COMPLIANCE STATEMENT

- The Technical Compliance statement should be in this sheet only or may be on own letter head in this format, otherwise it will be assumed that Bidder is not able to offer technical desired product. Information provided elsewhere or in any different form will not be considered.
- All the Columns of this statement should be filled is compulsory by the bidder, merely asking the officer to refer Catalogue or literature will not be entertained.
- If the bidder wants to offer more than one Model Photocopies of this sheet may used for each Model for the either modal offered in financial bid should be mention on own separate sheet.
- The following quantity constitutes ONE set for each medical college
- The supply of the material with complete installation to make it functional will be given FOR at respective Medical college
- Demonstration of equipment may be asked prior to opening of financial bid

Sr No	HLD generator for disinfecting central lab	Qty for ONE College (1 set comprises of ONE unit only)	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.	Technical experts comments Y/N
	<p>Desired bid's Technical Specification Point wise</p> <ol style="list-style-type: none"> System should be an automated, compact & mobile unit. It should generate a solution which contains Hypochlorous acid and oxidants like Chlorine dioxide, Ozone, Hydrogen Peroxide and Sodium Hypochlorite. Generated solution should have an oxidant concentration of more than 400ppm & a TDS of \leq 2000ppm. pH of the solution should be almost neutral (7\pm1.0). The machine should have 2 cells for uninterrupted working. It should have a real-time LCD display for current & voltage. 	1	Estimated Price for ONE SET=	

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		<p>5. It should auto identify errors and display the type of error for easy trouble shooting.</p> <p>6. Machine should have an automatic preventive maintenance cycle for enhanced life of membranes used in water conditioning.</p> <p>7. The machine should have automatic descaling of cells.</p> <p>8. It should have a generation capacity of 40 liter per hour of the final solution. The machine should have been purchased & installed in Govt hospitals for hospital infection control.</p> <p>9. The machine should audit the solution quality in real time. The machine should stop production & prompt the user for preventive maintenance if the quality isn't upto the mark & go into a preventive cycle without user intervention.</p> <p>10. It should be CE certified, Class I Medical Device. The manufacturer should have ISO 9001-2008, ISO 13485 - 2003, WHO - GMP/ GPP certifications. The machine should be demonstrated in front of the constituted technical committee & the crucial parameters like: TDS, pH & oxidants concentration should be demonstrated as per the specs.</p> <p>11. The machine should be quoted along with the consumables (10 packs of 10 ltr). This one liter of electrolyte solution should generate 50 Ltr of solution with >400 ppm of oxidant concentration.</p>
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Item No. 21, -40 degree C Deepfreezer (Cap.300 Plasma Bags)

DETAILED TECHNICAL SPECIFICATION CUM TECHNICAL COMPLIANCE STATEMENT

1. The Technical Compliance statement should be in this sheet only or may be on own latter head in this format, otherwise it will be assumed that Bidder is not able to offer technical desired product. Information provided elsewhere or in any different form will not be considered.
2. All the Columns of this statement should be filled is compulsory by the bidder, merely asking the officer to refer Catalogue or literature will not be entertained.
3. If the bidder wants to offer more than one Model Photocopies of this sheet may used for each Model for the either modal offered in financial bid should be mention on own separate sheet.
4. The following quantity constitutes ONE set for each medical college.
5. The supply of the material with complete installation to make it functional will be given FOR at respective Medical College.
6. Demonstration of equipment may be asked prior to opening of financial bid.

	Dept of Biochemistry	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected	Technical comments Y/N
	Desired bid's Technical Specification Point Wise		
	<ol style="list-style-type: none"> 1. <u>Purpose of Equipment</u> <ol style="list-style-type: none"> a) To freeze or store Plasma b) Must be designed specifically for blood bank use. Commercial or modified commercial freezers for other purpose are not acceptable. 2. <u>Type of Equipment</u> <ol style="list-style-type: none"> a) Microprocessor controlled Temperature controlling Digital LCD/LED display at eye Level. b) With audio alarm for temperature deviation, power failure, door open etc. c) Should have 24 hours battery backup for uninterrupted 24x7 electronic temperature circular chart recorder / Inkless graphic Temperature recorder with range of 0° to -50°C with data logger with supply of free charts for a period of guaranty and controller unit keeps the temperature monitoring uninterrupted. d) Approved standard electrical Blood Bank plasma freezer that uses a compressor circulating CFC-free refrigerant/Green gas. 		

		<p>e) Upright type.</p> <p><u>Quality Standard</u></p> <p>a) Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).</p> <p>b) Should be compliant with European CE or US FDA (Valid documentation should be submitted in technical bid).</p> <p>c) Equipment must meet electrical safety specifications of IEC 60601-1</p> <p>4. <u>Capacity</u></p> <p>a) At least 300 standard plasma bags.</p> <p>5. <u>Construction</u></p> <p>a) Outside C.R. (Corrosion resistant) Sheet at least 1mm thick.</p> <p>b) Inside stainless steel of at least 22 G.</p> <p>c) Insulation polyurethane foam>80mm thick, foaming agent CFC free .</p> <p>d) Should be mounted on lock able caster wheels.</p> <p>6. <u>Drawers</u></p> <p>a) At least four or more in number made up of SS 304 grade stainless steel.</p> <p>7. <u>Door</u></p> <p>a) Separate inner doors to prevent cold loss</p> <p>b) Automatic/Magnetic /Latch closing of at least inner doors.</p> <p>c) Heating device/vacuum release valve in front to avoid condensation.</p> <p>d) Opening angle limited (eg < 135°)</p> <p>e) Door open/ajar audio and visual alarm.</p> <p>f) Door lock should be available.</p> <p>8. <u>Electrical Characteristics</u></p> <p>a) Compatible with Input 240 V 50 Hz Single phase AC.</p> <p>b) Should have an integrated voltage stabilizer or external stabilizer of appropriate ratings meeting ISI Specifications (Input 160-260 V and output 220-240 V and 50Hz).</p> <p>c) Minimum compressor starting voltage should be 22% below normal voltage.</p> <p>9. <u>Internal Temperature</u></p> <p>a) Should be able to maintain internal temperature not warmer than -30°C Audible/visual over temperature Alarm.</p> <p>b) Whatever the load, setting accuracy less than or equal to 1°C.</p> <p>c) Automatic defrosting if present, temperature should not go outside safe range.</p> <p>10. <u>External Ambient Temperature</u></p> <p>a) Can perfectly maintain internal temperature as above at full load in an ambient temperature of -10 to at least +40°C.</p>
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	<p>11. <u>Hold Over time</u> a) 2 Hrs at ambient temp.</p> <p>12. <u>Cooling down time</u></p> <ul style="list-style-type: none"> • A full load of plasma packs at +25°C takes a maximum of 5 hr for all packs to reach below -5°C. • A full load of plasma packs at +25°C takes a maximum of 30 hrs for all packs to reach below -20°C. <p>13. <u>Additional requirements:</u> Complete with comprehensive set of spare parts and a suitable capacity stabilizer and one -1.5 ton split AC of repute make should be supplied with the system free of cost. (Guarantee card with bill have to be submit with item to claim guarantee).</p> <p>14. SMS alerts to user defined recipients in case of any deviation in temperature, break down and power failure with provision to connect with central (Temperature) monitoring system/facility of wireless data transfer facility & storage of temp. data on cloud, with continuous accessibility of data on PC or laptop and on smart phones with internet facility.</p> <p>15. Noise factor should not exceed 60 decibel.</p> <p>16. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid.</p> <p>17. Installation will be done by supplier free of cost.</p> <p>18. The service engineer should be based in Rajasthan.</p> <p>19. Four Preventive Maintenance services annually during Guarantee and CMC period are essential.</p> <p>20. Demonstration of equipment is must for final technical approval.</p>	
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Item no. 22 FULLY AUTOMATED ESR ANALYZER 80 TEST / HR

DETAILED TECHNICAL SPECIFICATION CUM TECHNICAL COMPLIANCE STATEMENT

1. The Technical Compliance statement should be in this sheet only or may be on own latter head in this format, otherwise it will be assumed that Bidder is not able to offer technical desired product. Information provided elsewhere or in any different form will not be considered.
2. All the Columns of this statement should be filled is compulsory by the bidder, merely asking the officer to refer Catalogue or literature will not be entertained.
3. If the bidder wants to offer more than one Model Photocopies of this sheet may used for each Model for the either modal offered in financial bid should be mention on own separate sheet.
4. The following quantity constitutes ONE set for each medical college.
5. The supply of the material with complete installation to make it functional will be given FOR at respective Medical College.
6. Demonstration of equipment may be asked prior to opening of financial bid.

	Dept of Biochemistry	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected	Technical comments Y/N
	Desired bid's Technical Specification Point Wise	<ol style="list-style-type: none"> 1. The Technical Compliance statement should be in this sheet only or may be on own latter head in this format, otherwise it will be assumed that Bidder is not able to offer technical desired product. Information provided elsewhere or in any different form will not be considered. 2. All the Columns of this statement should be filled is compulsory by the bidder, merely asking the officer to refer Catalogue or literature will not be entertained. 3. If the bidder wants to offer more than one Model Photocopies of this sheet may used for each Model for the either modal offered in financial bid should be mention on own separate sheet. 4. The following quantity constitutes ONE set for each medical college. 5. The supply of the material with complete installation to make it functional will be given FOR at respective Medical College. Demonstration of equipment may be asked prior to opening of financial bid. <ol style="list-style-type: none"> 1. System should be able to process lavender caped tubes 3-4 ml capacity. 2. Through put should be 80 test/hrs. 3. It should able to perform ESR in EDTA blood also. 	

	<ol style="list-style-type: none"> 4. System should be able to read the ESR across the labels. 5. It should be microprocessor based low dissipation RISC * BIT technology; one couple of optic electronic element (led & analogical sensor) or based on red cell aggregation by photo telemetry. 6. Display should be liquid crystal screen, background lighting. 7. Power Supply 110-230 VAC. 8. Plate rotation speed 1 rotation every 1.5 second. 9. It should have thermal printer. 10. Accessories as per equipment check device 10000 test, 5000 test & 1000 test. 11. Firm should provide control thermal roll paper and check device. 12. It should be USFDA/ European CE certified their own controls and IVD approval instrument. 13. Thermal roll paper 2 NOS. 14. Firm should supply 10,000 test check device with the equipment. 15. Firm should mention rate per test (as per check device) in financial bid that shall be fixed for 3 years. 16. Installation will be done by supplier free of cost. 17. The service engineer should be based in Rajasthan. 18. Demonstration of equipment is must for technical approval. 19. The company should mentioned the make & model name of the quoted equipment and submit the technical brochure of the quoted model in the Technical bid along with compliance sheet as per amended technical specifications. 20. Firm should mention all the pre-installation requirements in technical bid. 	
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NIB no.

Item No-23

GOVERNMENT OF RAJASTHAN
Rajasthan Medical Education Society, Medical Education Directorate, Jaipur, Rajasthan
(BID DATA SHEET)

DETAILED TECHNICAL SPECIFICATION CUM TECHNICAL COMPLIANCE STATEMENT

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- The following quantity constitutes ONE set for each medical college
- The supply of the material with complete installation to make it functional will be given FOR at respective Medical college
- Demonstration of equipment may be asked prior to opening of financial bid

Dept of PSM CBC machine		Estimated Price for ONE SET=		
Sr No	Desired bid's Technical Specification Point wise	Qty for ONE college	Quoted technical specification by bidder should be filled in this column or in this format, otherwise bid will be out rightly rejected.	Technical experts comments Y/N
	<p>Should have Whole blood mode & Pre-diluted mode to measure WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, LYM%, NEUT%, MONO%, EOS%, BASO%, LYM#, NEUT#, MONO#, EOS #, BASO #, RDW-SD, RDW-CV, PDW, MPV, PCT, P-LCR & PLCC.</p> <p>Throughput should be 60 samples per hour.</p> <p>Should have 3 histograms for WBC, RBC & PLT and 3D Scattergrams for WBC differentials</p> <p>Should have DC detection method for RBC & PLT and should have Non cyanide lyse for hemoglobin analysis</p> <p>Sample Volume for whole blood and pre diluted should not be more than 20ul</p> <p>Should have data storage facility up to 40000 sample results with histogram</p>	<p>1 set comprising of one equipment with accessories</p>	<p>Make</p>	

Abhishek *20/11/19* *M. J. Singh* *Don* *20/11/19*

Should have chemical dye and flow cytometry technique with at least three scatter sensors for measurement of WBC differentials. It should have solid state semiconductor Laser

The bar code reader to be provided along with the instrument and the reagents to be provided with bar codes

The instrument should measure the platelet from $0-5000 \times 10^9/L$, WBC from $0-500 \times 10^9/L$, RBC from $0-8 \times 10^{12}/L$ & Hgb from $0-25\text{mg/dl}$

Should have large touch screen

Should have at least four USB ports to connect Bar code reader, Printer, Key Board, mouse separately

Should have LAN port to transmit data from the instrument.

The Company must have European CE /US FDA Certificate and should be enclosed with bid

The Instrument Must be supplied with 1 KV suitable Online UPS.

The Equipment must be based on minimum working / onboard Reagents to avoid wastage and minimize inventory

The equipment must be supplied with minimum Ten Complete Set of Reagent

Abus

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