EMPLOYEES' STATE INSURANCE CORPORATION
MEDICAL COLLEGE & HOSPITAL,
NH-3, NIT, FARIDABAD, Haryana-121001
(Under Ministry of Labour, Govt. of India)
Phone: 0129-4156471

No: 7/2015-fbd **Date:04 /11/15**

Tender Enquiry No. **7/2015-fbd**
Date of floating Tender: **04 /11/2015**
Last Date & time of submitting of Tender: **1/12/2015(12.00 noon)**
Date and time of opening Tender: **1/12/2015 (1.00 pm)**

Name of Item	**Earnest Money**	**Bid System**	**Tender Document Cost**	**Date of Opening Of Tender**
Supply of Equipments in the Department of **Pathology** in ESIC Medical College & Hospital, Faridabad (As Per list)	As mentioned in list against each item	Double bid	Rs. 500/-	**1.12.2015 at 1.00 pm**

Dean, ESIC Medical College &Hospital, NH-3, Faridabad invites sealed bid under double bid system- Technical Bid and Price Bid:-

For Supply of Pathology Equipments in the Department of Pathology in ESIC Medical College & Hospital, Faridabad.

Interested firms are requested to collect Tender form with term & Conditions from Dean's Office ESIC Medical College & Hospital, NH-3, Faridabad, on any working day from 10.00 am to 3.00 pm and on Saturday from 10.00 am to 12 noon at the cost of Rs. 500 (Five hundred) in the form of Demand Draft (Nonrefundable) in favour of ESIC FUND ACCOUNT NO. 1 payable at Faridabad. Tender documents can also be downloaded from ESIC website (http://www.esic.nic.in, http://www.esicmcfbd.org) in that case DD for the cost is to be enclosed with Tender. Tender form is to be submitted completed in all respects along with prescribed EMD in favour of ESIC FUND ACCOUNT NO. 1 payable at Faridabad in form of Demand Draft. The Annexure- V (a) &V (b) contains the format in which price has to be quoted as per the commercial terms for the Tender.

Tender complete in all respects should be dropped in Tender box kept in the Committee Room of the Dean Office, ESIC Medical College & Hospital, Faridabad. Tender received after 12.00 noon on due date will not be entertained. The Technical Bid and Price Bid must be sealed by the bidder in the separate envelopes duly super scribed "**Technical Bids for Supply of Pathology Equipments in the Department of Pathology in ESIC Medical College & Hospital, Faridabad"**, and "**Price Bid for Supply of Pathology Equipments in the Department of Pathology in ESIC Medical College & Hospital, Faridabad"** both the sealed envelope are to be put in the bigger envelope which should also be sealed and super scribed, **"Bid For Supply of Pathology Equipments in the Department of Pathology in ESIC Medical College & Hospital, Faridabad".**

Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.

The Purchaser reserves the right to ask for a free demonstration of the quoted items at a pre-determined place acceptable to the purchaser for technical acceptability as per the Tender specifications, before the opening of the Price Tender.

Tenders will be opened on the due date at 1.00 pm in the Conference room of the ESIC Medical College & Hospital, NH-3, Faridabad In the presence of bidders or their authorized representative. If due date of opening is declared holiday, Tender will be opened on next working day at same time and place.

The undersigned reserves the right to accept or reject any or all the bids without assigning any reason at any stage.

DEAN
ESIC Medical College& Hospital, NH-3, Faridabad

EMPLOYEES' STATE INSURANCE CORPORATION
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NH-3,NIT, FARIDABAD Haryana-121001
(Under Ministry of Labour, Govt. of India)
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No. 7/2015-fbd Date: 04.11.15

SUB: For Supply of Pathology Equipments in ESIC Medical College, Faridabad.

TENDER DOCUMENT

Tender is invited for Supply of **Pathology** Equipment in the Department of **Pathology** for ESIC Medical College, Faridabad up to scheduled time and Date. Sealed Tenders should bear the Tender inquiry No and be clearly super scribed as "For Supply of **Pathology** Equipments for **Pathology** Department in ESIC Medical College, Faridabad. Tenders submitted after scheduled time shall out rightly be rejected.

S.No.	Name of Item	Qty	EMD (Rs.)	Warranty	CMC Required or not
1.	Automatic tissue processor	1	80,000	2years	Yes
2.	Tissue Embedding Station	1	50,000	2years	Yes
3.	Automated Rotary Microtome	2	1,00,000	2years	Yes
4.	Tissue Floatation Bath	2	5000	2years	Yes
5.	Hot plates	2	5000	2years	Yes
6.	Cytospin Centrifuge	1	50,000	2years	Yes
7.	5 Part Hematology Analyser	1	1,00,000	2years	Yes
8.	3 Part Hematology Analyser	1	27,500	2years	Yes
9.	Fully Automated Coagulometer	1	1,15,000	2years	Yes
10.	Semi Automated Coagulometer	1	20,000	2years	Yes
11.	Automatic ESR Analyser	1	25,000	2years	Yes

12.	Pentahead Microscope with Microphotographic apparatus	1	60,000	2years	Yes
13.	Microscopes, Binocular for Students	60	1,68,000	2years	Yes
14.	Binocular Microscopes for faculty	6	39,000	2years	Yes
15.	Autoclave electric	1	4,000	2years	Yes
16.	Hot air oven (50 degree Celsus) for special staining	1	5,000	2years	Yes
17.	Digital electronic Weighing Balance	1	5,000	2years	Yes
18.	Laboratory Centrifuge machine	3	7,500	2years	Yes
19.	Spectrophotometer	1	4,000	2years	Yes
20.	Laboratory Refrigerator	3	25,000	2years	Yes
21.	Sperm quality analyser	1	25,000	2years	Yes
22.	Sahli Hemoglobinometers	120	4,500	nil	Nil
23.	Hemocytometers	120	12,000	nil	Nil
24.	Micropipettes	15	15,000	2 years	Nil
	1-2.5µl	2			
	0.5-1µl	2			
	2-20µl	3			
	10-100µl	3			
	20-200µl	3			
	100-1000µl	2			
25.	pH Meter	1	4000	2years	Yes
26.	Vortex Mixer	1	1000	2years	Yes
27.	Slide Storage Cabinet	1	4000	nil	Nil
28.	Block Storage Cabinet	1	6000	nil	Nil
29.	UG Histopathology Slide Set	4	6000	nil	Nil
30.	Cryostat	1	90000	2years	Yes

Tenders complete in all respect, must be dropped in the Tender box kept in the Office of the Dean, ESIC Medical College & Hospital, NH-3, Faridabad, Haryana on or before the last date mentioned in the Tender notification. The Tenders will be opened as scheduled and indicated in the Tender notification, in the Conference hall at 1.00 pm in the presence of Tenderer's or their representatives on behalf of the bidder who may like to be present on that day. The representative of the bidder should bring with him a letter of authority from the bidder and proof of identification. In case date of opening of Tender is declared as holiday Tenders shall be received and opened on next working day as per the above mentioned schedule.

Two Bid System

Tenderers are to submit two sealed bids Viz. Techno-commercial Bid and Price Bid separately super-scribing as **"Tender For Supply of Pathology Equipments in the Department of Pathology in ESIC Medical College, Faridabad (Name of item) due on 1.12.2015** on first envelope and **"Price Bid"** for **"Tender For Supply of Pathology Equipment in the Department of Pathology in ESIC Medical College, Faridabad (Name of item) due on 1.12.2015** on the second envelope. Both the envelopes should have name of the company quoting the Tender. Each and every page of the quotation should be separately numbered and duly signed. Both the envelopes are again to be sealed and put in a single envelope super-scribing name of item and name of company. Last date of submission of Tender addressed to the Dean, ESIC Medical College & Hospital, NH-3, Faridabad as follows:

The Tender/s (Technical bid and price bid envelopes) should be put in sealed envelope addressed to the Dean, **ESIC Medical College & Hospital, NH-3, Faridabad, Haryana-121001.** The envelope should be super-scribed as **"Tender for Supply of Pathology Equipments in the Department of Pathology in ESIC Medical College, Faridabad(Name of item) due on 1.12.2015.**

The contents of price Bid should include following items:

The information given at Techno commercial bid should be reproduced in price bid with prices indicated.

Rates/Price should be typed both in words as well as in figures, free from erasing, cutting and over-writing

Price quoted should match with the items quoted in technical bid.

Each and every page of the quotation be separately numbered and duly signed.

Only Techno-commercial bid (Un-Priced bid) will be opened first and shall be referred for the Technical Evaluation. The price bid of only those Tenderers whose technical bid is found acceptable by a committee authorized by the competent authority will be opened for further action.

In case the price quoted cannot be matched with the item/s quoted in technical bid the bid shall be liable to be rejected

Price and S.T. / VAT must be quoted separately. The price should be all inclusive lump sum including cost of the item, freight, insurance, transit insurance, packing forwarding etc. and including charges for installation and commissioning with all the men and material required for the same and for the quoted warranty period.

The price should be on F.O.R. ESIC Medical College & Hospital, NH-3, Faridabad basis. No other charges in addition will be payable on any account over and above the lump sum price quoted in the price bid except S.T/VAT. The rates quoted in ambiguous terms such as "Freight on actual basis" or "Taxes as applicable extra" or "Packing forwarding extra" will render the bid liable to rejection.

The price of the items should be quoted in Indian Rupees only.

The contents of Techno Commercial Bid (Two bidTenders) should include following items

1 Covering letter indicating the list of enclosures.
2 Cost of Tender documents if downloaded from website by demand draft.
3 EMD in accordance with instructions as above.
4 Name and detailed specifications of the quoted item with price Blanked
5 Name and detailed specifications of essential accessories if any with price Blanked
6 Name and detailed specifications of optional accessories if any with price Blanked
7 Warranty Offered 2 Year/s (Minimum for Two Years)
8 Rates of CAMC minimum for 5 years after expiry of warranty as and where required.
9 User list.
10 Statement of deviation parameter wise from specifications if any.
11 Statement of deviation parameter wise from Tendered conditions, if any.
12 Copy of PAN No. /I.T.R. of last three years.
13 Proof of Turnover of at least Rs. 2.5 Crore each year for past three consecutive years.
14 Authority letter from manufacturer authorizing the distributor/stockiest if applicable.
15 Name and address of nearest authorized service center

16 Catalogue of the item showing the make/model no and specifications

17 Declaration/ undertaking on stamp paper as per the proforma enclosed (Annexure III)

TERMS AND CONDITIONS GOVERNING CONTRACT

1. Any amendments in the Tender documents at any stage of Tender shall be uploaded on the website www.esic.nic.in, in the link for Tender Haryana and on www.esicmcfbd.org.Bidders shall not be permitted to withdraw their offer or modify the terms and conditions of these bidding documents. In case the bidder fails to observe and comply with the stipulations made herein or back out after quoting the rates or imposes any additional conditions, the aforementioned demand draft shall be forfeited.
2. One time custom exemption certificate for import of Hospital items under condition no. 86 at sl. No. 485 of the Ministry of Finance, Department of Revenue vide notification no. 12/2012-Customs dated 17th March 2012 has been issued for ESIC Medical College, Faridabad (Annexure-I).
3. Bidders or their manufacturer's who stand deregistered /banned/ blacklisted from any government authority in the past 5 years need not participate in the bidding.
4. The Tenderer must enclose a draft/banker Cheque for sum mentioned against each items as earnest money drawn in the favour of ESI Fund A/C No.1 payable at Faridabad or New Delhi, in case the bank does not have a clearing house at Faridabad, or fixed deposit receipt from a commercial bank or bank guarantee from a commercial bank which should be valid for a period of 9 months from last date of closure of bid.
5. EMD Deposited with earlier Tender if any or in any other form as given, will not be adjusted/accepted against this Tender. Tender without EMD will not be accepted in any case.
6. Tenderer will have to demonstrate the quoted item to the Technical Evaluation Committee within the stipulated time frame as and when asked for. The Tender shall be liable to be cancelled on non-compliance of this clause.
7. EMD will be released to unsuccessful bidder/s after finalization of Tender.
8. Preference shall be given to Tenderer who shall bid for 3 or more different items mentioned in the Tender.
9. 10% of the payment shall be with-held from the successful bidder, alternately the successful

bidder shall submit bank guarantee for 3 months prospectively from the period of expiry of warranty. The same will be released on satisfactory performance of the item after expiry of warranty.

10. Either the authorized Indian agent on behalf of the principal/OEM or principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same Tender.
11. If an agent submits bid on behalf of one principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in the same Tender for same item/product.
12. The company will get only one chance for demonstration In case the company fails to arrange the demonstrationthe Tender shall be liable to be cancelled.
13. The date for demonstration shall be fixed with mutual consent on telephone/e-mail the same shall be confirmed in writing and by fax/e-mail. Only reasonable time shall be given to arrange for demonstration.
14. In case demonstrationof the item is asked (if any) the same has to be arranged at Faridabad.
15. Only the manufacturers or their authorized distributor/ ocusing would be considered.
16. Tenderer must provide the telephone and fax no/e-mail with Tender for all correspondence.
17. The item should be guaranteed/warranted for a minimum period of two years or as mentioned in specifications from the date of satisfactory inspection, installation and commissioning.
18. Tenderer should have service setup at Delhi NCR region.
19. Delivery schedule: - Within 45 days after placement of supply order.
20. Firm should undertake to enter into Comprehensive Annual Maintenance Contract (CAMC) for item where ever required as well as for accessories attached, for minimum period of five years after completion of warranty period and accordingly quote the rates of CAMC for five years. The rates quoted should be both for Comprehensive AMC (CMC) as well Non Comprehensive AMC (AMC) for five years. Firm should undertake to keep the item in running order throughout the year and in case of item going out of order during warranty/AMC/CMC the fault will be attended within 24 hours and rectified within 7 days of lodging the complaint. Failure to rectify the fault would entail downtime penalty @ 0.25% of basic cost of item per week.
21. The Tenderer will be responsible to provide training to supporting staff for the purchased item.

22. TheTenderer shall assure availability of spare parts for at least 10 years for items requiring propriety spare parts or costing 10 Lakhs or more.
23. All spare parts required for installation and standardization of system to be given free of cost.
24. The Tenderer shall submit list of users and satisfactory report of quoted model from reputed institute preferably Government institute/ hospitals.
25. The Dean through a committee shall arrange for inspection and installation of items at Medical College Faridabad and payment shall be released after final acceptance certificate is issued as per Proforma enclosed (Annexure-VII).
26. The purchase committee or any of its members may visit the factory/facility to determine the eligibility of the Tenderer.
27. Payment of item will be made through ECS within two weeks after the successful installation, commissioning, and training to user department and satisfactory inspection of the item.
28. For the item where spare parts are required. The price bid must include: A) Rate list indicating the prices and packing prevalent on date of Tendering, B) List indicating cost and life of consumables.
29. Photocopy of ITR/ PAN No. Should be enclosed with the completed Tender as mentioned in Annexure VIII.
30. Tenderer if not a manufacturer, has to submit manufacturer's authorization certificate as per Annexure IV.
31. If the committee deems fit and desires to visit the manufacturing unit, the same has to be arranged by the bidder.
32. The committee shall reserve the right to seek performance report from the institutions where the manufacturer's item has been supplied.
33. CE statement of compliance from CE notified body or its local supporting affiliate should be submitted for each individual item.
34. ISO/9001/14001/18001/13485 certification to be submitted wherever necessary.
35. The validity of Tender will be for a period of six months from the date of opening (Extendable).
36. If any accessories are required with the item must be quoted along with the item itself.
37. Rates of spares chargeable may be indicated with the Tender.
38. The Dean reserves the right to accept or reject any or all the Tenders without assigning any

reason(s) thereof.

39. The Tenderer is required to submit undertakings as per the Performa enclosed on a non-judicial stamp paper of Rs.100/- .
40. If the item needs calibration, the firm shall be responsible for calibration as part of CMC.
41. Amount of AMC/CMC as the case may be, shall also be considered for arriving at the lowest cost.
42. The successful bidder shall be determined based on fulfillment of minimum eligibility Criteria specified in the Tender document and lowest prices quoted by the participant bidders.
43. If it appears to this office that the items provided by the bidder is defective or of inferior quality or does not match with the requirements of this office or otherwise not in accordance with the terms and conditions, the supplier on demand of this office shall forthwith rectify the defects on its own cost as per the requirements of this office and in the event of its failure to do so within a period specified by this office in the demand aforesaid the supplier will be liable to pay compensation as decided by the competent authority.
44. The schedule of completion of purchase shall be strictly adhered to as defined in the Tender document, as time is the essence of the contract. Any unjustified and unacceptable delay in completion of the purchase shall render the supplier liable for the liquidated damages @ 1.5% of the contract price /week subject to a maximum of 5 weeks and thereafter this office shall have the option to cancel the purchase order and get the work completed from any other source at the risk and cost of the supplier. The supplier shall also be liable to pay to this office a cancellation charge of 10% of the value of goods supplied. The payment or deductions of such sums shall not relieve the supplier from his obligations to complete the supply or from his other obligations and liabilities under this contract agreement. The date of completion of the purchase in accordance with the Tender documents shall be deemed to be essence of the contract and must be completed no later than the period specified therein. Extension will not be given except in exceptional circumstances should however, execution is delayed over after the expiry of the contracted period, without prior concurrence of this office; such execution will not deprive the office of its right to recover liquidated damages. The decision of the competent authority of this office in this regard shall be final and binding.
45. In the event of any dispute or differences between the contractor and the office whether arising during the execution of orders under these terms and conditions or thereafter whether

by breach in manner in regard to the construction of the terms and conditions or the respective rights and liabilities of the parties here to there under or any matter or thing, out of or in relation to or in connection with these terms and conditions then the decision of the DEAN, ESIC MEDICAL COLLEGE & HOSPITAL, NH-3, FARIDABAD, HARYANA will be final.

46. Disclaimer:

The near relatives of the employees of ESIC MEDICAL COLLEGE & HOSPITAL, NH-3, NIT, FARIDABAD, HARYANA, are prohibited from participation in this bid. The near relatives for this purpose are defined as:

a) Members of Hindu undivided family,
b) Their husband or wife,
c) The one is related to the other in the manner as father, mother, son(s), son's wife (daughter-in-law), daughter(s) & daughter's husband (son-in-law), brother(s), brother's wife, sister(s) and sister's husband (brother-in-law).

47. The contract shall be subject to the jurisdiction of competent courts of laws at Faridabad/Haryana.

48. The authority reserves the right to seek satisfactory performance report directly from the user enlisted in the user list provided by the bidder.

Dean
ESIC Medical College& Hospital, NH-3, Faridabad

S.No.	**Item**	Technical Specifications	Qty	
1.	**Automatic Tissue Processor**	1. The equipment should be carousel type with 12 stations of 1.8 litre each ; 10 reagent stations, 2 wax baths. 2. The System should have inbuilt vacuum with fume control. 3. Metal tissue basket having less base diameter compare to upper diameter to avoid sticking of basket and a capacity of 100 cassettes. 4. Audible alarms, error message and warning codes should be available. 5. Ergonomic control panel with full protected keyboard and LCD should be available. 6. Easy editing and changing of programs, even during a processing run should be an available feature. 7. Delayed start function up to 9 days should be possible. Auto-restart function should also be available. 8. Infiltration time separately programmable for each station should be available. 9. The equipment should have nine freely selectable programmes. 10. Drain time should not exceed 60 sec. 11. Possibility of interrupting an automatic process for reloading or removing cassettes for special applications before the end of a run should be available. 12. Baskets should automatically immerse in a station during the power failure. 13. Suitable online UPS support with minimum one hour backup should be available. 14. The equipment should be USA- FDA/European- CE approved	1	
2.	**Tissue Embedding Station**	1. Microprocessor controlled bench top unit with high specimen throughput. 2. Paraffin reservoir capacity should be a minimum of 3-4 liter 3. Paraffin reservoir temperature setting range from 50°C to 75 °C with +/- 1°C steps with 1 degree Increment 4. Ample cold plate with -6 to 15 C temperature to accommodate at least up to 60 blocks. 5. Refrigerated spot integrated in cold plate to assist tissue orientation 6. Cassette bath to store at least up to 80-100 cassettes	1	

		7. Mold warmer temperature programmable from 50°C to 75°C with +/- 1°C steps with 1 degree Increment 8. Work surface temperature programmable from 50°C to 75°C with +/- 1°C steps with 1 degree Increment 9. Paraffin reservoir, cassette bath, mold warmer and work surface temperature should be individually temperature adjustable. 10. Instrument should be programmable for work-days, work starting time, work end time, real time and day of the week for Automatic switch on/off of the instrument. 11. LED Illuminated workspace for clear visibility of the processing with User Friendly Adjsutable magnifier 12. Activation of paraffin flow via foot switch or using the pressure clip should be available. 13. Spacious paraffin collection tray to collect excess paraffin from work surface should be available. 14. Suppliers should have a good number of installation base with efficient after sales support with proven track record. 15. The equipment should be USA- FDA/European- CE approved model. 16 System Should be Supplied with moulds 15 x 15 x 5 mm 12 Pcs. & 24 x 30 x 5 mm 12 Pcs. 17 Suitable online UPS support with minimum one hour backup should be available.		
3.	**Automatic Thin Microtome**	• facility to cut delicate as well as hard tissue • Automated specimen advance with ocusing cutting • Should have different sectioning modes such as manual, continuous, single. Step stroke & programme mode. • Alternate trimming and sectioning modes with micrometer feed mechanism • Maximum advance speed 500 - 1500 u/sec. • Section thickness 0.5 – 50 u • Trim Thickness 2-100 u • Digital display of distance and number of section cut • Emergency stop button • Removable debris tray • Knife locking pin to secure blade holder to the fixed knife sta • Speed option - low / medium / high • UPS for 1hrs. power back up • Low profile disposable blade - 100pkts • High profile disposable blade -100pkts • 2 yrs warranty + 5 yr CMC for equipment & UPS	2	

		• Should have a power supply of 220VAC at 50 Hz. • Should be USFDA and/or European CE approved. • Demonstration of equipment required during technical evaluation. • User list should be provided along with satisfactory performance report.		
4.	**Tissue Floatation Bath**	• Water bath for flattening of tissue sections • Round /Rectangular chamber • External dimensions Rectangular 325-350 X 275-300 X 107-110 mm Circular 320-330 X 159-170 mm • Bowl diameter (both rectangular & circular)222-225mm dia. & 70-85mm. Depth respectively. • Bowl made up of high quality aluminum • Both bowl and upper casing with matte black coating • Stainless steel lid • Temperature +30 degree centigrade to + 90 degree centigrade • Safe heating system with ceramic ballast resistance to avoid overheating and damage in case of empty bath • 2yr warranty	2	
5.	**Slide Drying Hotplate**	a. Dimensions 450-500 X 295-300 X 85-90 mm b. Provision of a system to avoid direct contact of the slide with surface of Hot plate • Top plate with matte black epoxy coating • Temp. range 30 – 80° C • 2 year warranty	2	
6.	**Cytocentrifuge for Monolayer cell preparation**	• The equipment should be a Bench-top centrifuge for cytology specimens • The equipment should be capable of thin-layer cell preparation for retrieving cells from various body fluids especially paucicellular fluids and preserving their morphology • Should be capable of processing up to 12 specimens at one time • Should be equipped with Biological safety cabinet for safety of the operator • Auto-lid lock during rotation with a special lid-release mechanism should be available • Should be designed for easy disinfection and also have a wipe- clean	1	

		control panel • Should be resistant to fluid spillage on the electronic components with capped disposable sample compartments/ chambers for elimination of aerosol • May have different sizes of disposable chambers • Safety alarms during all stages of operation should be available • Microprocessor based controls and programming for time and speed with pull-out program card for fast retrieval • Should be compliant with international standards for electrical equipment requirements for laboratory use • 220 V, 50Hz • Speed 100 to 4,000 rpm • Noise levels < 50 Db • The equipment should be a automated slide preparation system that produces uniform thin-layer slides for both gynecologic and non-gynaecological sample processing which should remove obscuring blood, mucus, debris and also thoroughly mix the sample • Processes about 80 samples per cycle with automatic chain-of-custody verification of patient samples • The equipment should be USA- FDA/European- CE approved Model. • The rate of accessories written below to be included in the bid Accessories for Cytospin • Sealed head 1 • Head Seals – Silicone rubber (3/ pack) 1x5 • Filter cards 200/bx 100 • Cytoclip, stainless steel slide clip 4 pack(pack of 6 each) 24 pcs • Mega funnel for spinning large samples upto 6ml/25 box 1x4 • Cytoslide single circle coated 100 / box 100		
7.	**Fully Automated Hematology Analyser with 5-part differential**	1. Should provide complete blood cell counting including 5 part WBC differential with capability of doing Reties and NRBC enumeration 2. Must be upgradable to attach with fully automated slide-maker & slide stainer in future 3. Must automatically enumerate Nucleated Red Blood Cells in the CBC/Diff Mode and without additional reagents	1	

	and reticulocyte count	4. Should be based on the principle of counting and sizing 5. Must analyse leucocytes in their native state through laser based scatter analysis . 6. Hemoglobin method equal in accuracy to reference method 7. Extended Platelet counting 8. True 5 part differential analysis by 3 dimensional measurement 9. PC based data management with all scatter plots, histograms and display and in print 10. Automatic probe wipe and wash 11. Open Vial, Predilute and Closed vial mode 12. Must have STAT capability with Positive Bar code identification facility 13. User defined rules & flagging limits 14, Database capacity of at least 20,000 sets of results and graphics 15. Should have workload recording 16. Should have unlimited number of user-definable control files 17. Should have auto stop function in event of unacceptable control data 18. Should be able to transmit results to host computer 19. Throughput should be minimum 100 samples. / hour in Primary mode. 20. Linearity of PLt to be from 0.0 to 3000x1000 cells/microlitres 21. WBC linearity should 0.0 to 3000 x 1000 cells/microlitres 22. Must be able to select CBC, CBC and Diff and Reticulocyte testing mode 23. Must extend analysis time for cytopenic samples (RBC, Plt and WBC) 24. Must directly measure MCV 25. Should be able to differentiate between smaller RBcs and Larger Platelets 26. Must have auto purge function in the software 27. The supplier should have excellent service backup and at least 10 similar machines installed in reputed hospitals/labs. 28. Suitable UPS with One hr backup 29. At least 20 Quality control Files which store 100 runs each XB analysis 30. Should be able to work with Laser printer which should be supplied with the instrument 31. Should not use more than 5 reagents including cleaning agent in order to minimize inventory,lot to lot quality control, maintenance and calibration 32. Should have inbuilt autoloader cum mixer with capability of loading min 90 samples at any time 33. Should be able to provide Min at least 30 different parameters.		
8.	**Fully Automated hematology analyzer with three part differential**	• Fully automated • Should have 20 parameters Hb, RBC, WBC, PCV, MCV,MCH, MCHC, Platelet, RDW, SD,RDW-CV, lym# , Neut#, Mixed#, Ly%, Neut%, Mixed %, MPV, PDW, P-LCR.PCT • Linearity range WBC - 1.0 – 99.9x103 /ml RBC - 0.3 – 7.00x106/ul Hb - 0.1 – 25.0g/dl	1	

		PLT - 10-999x103/ul - Thruput - 60-70 sample / hr. - Sample vol.- Whole blood - upto 100µl Prediluted - 20 µl • WBC clog detection • Monitoring & flagging function • Carry over should be ≤2.0% for Hb; <3% for WBC & <5% for platelet count • Large LCD display to review all parameters & 3 histograms on screen with touch screen facility • Either In built printer/ external printer to print results with/ without histograms with option Autoprobe wiping facility for user safety • Calibration should be done as & when necessary by company personnel. • Data storage of about 3500 with histograms • Built in quality control programme • Start up kit x 1000 tests • UPS (FOC) • Roller mixer – one (FOC) • 2yrs warranty & 5 yr AMC		
9.	**Fully automated coagulation analyzer**	1. FULLY AUTOMATIC COAGULATION ANALYSER as Complete walk away facility. 2. Bench top, Random access 3. Tests available: PT. APTT, Fibrinogen, TT, LA, All Factors, ATIII, Heparin, PC, PS, PLG, AP, APCR, DDI, FDP, FM, vWF, etc. 4. Simultaneous measurement of Clotting, Chromomeric and Immunological assays. 5. Insensitive to LIPEMIC, COLORED, HEMOLYSED plasma and turbid reagent 6. Able to use primary sample tube. 7. Ability of continuous sample & reagent loading. i.e. during the run. 8. Ability to add, delete, rerun tests during the run. 9. Have in-built Barcode reader for positive identification of samples and reagents i.e..,name, stability, volume, position etc. 10. Able to detect automatically positive sample and Regent positions 11. Possibility of Auto Rerun and Auto Redilution of samples. 12. Flexibility to rerun, add a test or delete a test, handling of star sample at any time. 13. Availability of 1000 Cuvettes in roll. 14. Automatic dilution for samples and calibrators. 15. Positive sample and reagents level detection.	1	

		16. Have online sample reagents monitoring. 17. Sample positions more than 90 with all STAT Facility 18. Reagent positions more than 40, all at 15°C 19. Have data storage capacity of more than 500 patient including 10 or more results per patient. 20. Participating company should have direct presence in India with relevant application and service specialist for anytime support 21. Applications; multiple free training to users at site 22. Suitable UPS with One hr backup		
10.	**Semi automated coagulation analyser**	1. Semi Automated Coagulation Analyzer should be portable and with built in printer. 2. Should be able to run all clotting assays, i.e PT, PTTK, FIBRINOGEN, TT, EXTRINSIC FACTORS, INTRINSIC FACTORS, PC, PS, HEPARIN, LA. 3. Should be based on electromagnetic change in viscosity detection mode by steel ball oscillation. 4. Should be microprocessor based controlled systems. 5. Should be user friendly and easy programmable. 6. Should be able to calculate Fibrinogen from 1gm/ml to 9gm/ml (Linearity for weak clots). 7. The Test should be insensitive to lipemic, hemolysed, bilirubin rich and colored plasma also turbid reagents. 8. Test volume should be 100-250 µl in Cuvettes. 9. Programme for PT, PTTK, FIBRINOGEN, TT, FACTORS, PC, PS, HEPARIN, LA. With facility for further programming. 10. Should have liquid crystal display of results. 11. Should have built in analyzer to give results in sec /INR / %age/ dl etc. 12. There should be at least four measuring channels and at least 12-16 incubation channels. 13. Should have connected cabled pipette for reagent dispensing. 14. Automatic Start or stop with minimum lowest readout time 2-10 sec	1	

		15. Reagent and sample volume requirement is half then the volume required in manual methods. 16. UPS to be provided with 2 hours power backup Should be USFDA and/or European CE approved.		
11.	**Automatic ESR Analyser**	1. Should be based on Westergreen Principle and conforming to the recommendations of International Council for Standardization in Haematology (ICSH) 2. Should be able to accept EDTA blood samples in vacutainer tubes with continuous loading possibilities. 3, System should offer very low running cost employing 80-100 or more precision bore Westergren glass tubes, with automatic wash and reuse. 4. Should have facility to accept the sample rack of common blood cell counter in a universal rack adapter for walk away operation. 5. System should be able to have one to five racks at one location, each rack with a capacity to hold more than 10 samples on an average. 6. Should have bi-directional interface with LIMS for check of bar code and select from rack only those samples meant for ESR and without need for separation of ESR from non ESR 7. Machine should be equipped with autoloader and **open access to samples all the time** when space is available, with positive sample identification bar code reader. 8. Accurate and automatic on-board dilution with citrate solution and automatic temperaturecorrection to specified temperature of 18°-20°C should be available. 9. The tubes should be automatically cleaned on board, 10. Should have the ability to detect even haziness in samples and measure the position of themeniscus accurately and consistently for precise results. 11. System should have a minimum throughput of 50-60 samples in per hour 12. The system should he ideally microbiologically safe for the operator and environment. 13. Equipment will be supplied with suitable on-line UPS with one hr backup.	1	
12.	**Penta Head Microscope with microphotographic apparatus**	**Optical System**: Infinity corrected optical system. **Illuminator**: The microscope should have an ergonomic stand with at least 6V30W Halogen Illumination. The same stand should be able to accommodate LED illumination system. **Observation Tube**: Should be trinocular widefield, three way light path distribution (100:0, 20:80 & 0:100) for simultaneous viewing and imaging of the specimens, inclined at 30 degree or less for improved observation efficiency, provided with paired widefield eyepieces. **Eyepieces**: Should be of at least 10X magnification, with diopter adjustment	1	

		facility with field of view of 22mm or higher. **Teaching Head-** For four additional persons other than the main observer. All the tubes and Eye pieces should have Field of view 22 or better. LED two color pointer unit. **Nosepiece**: Sextuple (6-position) revolving nosepiece, upgradable to DIC in future. **Objectives**: The following objectives should be quoted:- 1. 4X Plan Achromat 2. 10X Plan Achromat 3. 20X Pl 4. 40X Plan SemiApochromat 5. 100X oil Plan SemiApochromat **Stage**: Mechanical stage with ceramic coating, with double slide holding capacity **Condenser**: Swing out condenser. It should have Polarizer and analyzer attachment. **Digital Camera:** Scientific grade colour CCD camera with resolution of 3.0 to 5.0 Megapixels or higher. Sensitivity – equivalent to ISO 200/400/800, progressive scanning method, auto/manual exposure control. Exposure time – Auto: 1/20,000s to 2s; Manual: 1/20,000s to 8s with USB 3.0 interface. Live image display (frame rate) of minimum 25 fps at full resolution. The quoted camera should be able to work in Full HD (1920 x 1080) mode and should be controlled from mouse, keyboard or touch screen monitor. The image analysis software should be able to perform basic image acquisition, video recording and basic measurements like distance, angle, count etc. **NOTE:** The quoted microscope should be on-site upgradeable to fluorescence with at least 6-8 position fluorescence turret.		
13.	**Binocular microscope for Students**	Stand ● Ergonomic design for long hours of fatigue free work ● Main controls like focusing, intensity control, stage joystick, power Switch should be located close together. ● Window in the arm section so that the specimen can be viewed from the back while using external light & also can be used to carry microscope. ● Quadruple revolving nosepiece Optical System ● Universal Infinity Corrected Optical System Anti Fungus Optics	60	

		● The interior of objectives & eyepiece should be anti fungus treated thereby ensuring the image clarity and long operating life. Transmitted Illumination ● Built in 6V 20W halogen illumination through SMPS circuit for constant voltage output 100 – 240 V having universal power supply to cover Voltage fluctuations. Focusing System ● Co-axial coarse & Fine Focusing control with focusing on both sides. ● Built in torque adjustable focusing knob. Objectives ● Plan Achromat Objectives 4x, 10x, 40x (Spring) & 100x (Spring, oil). ● The specimen should remain in focus while changing objective magnification. ● The objectives should be interchangeable so that user can mount them in nosepiece in any sequence without affecting parfocality & centering. Observation Tube● 30° inclined siedentopf design binocular observation tube with multi layer coated beam splitter prisms to ensure maximum transmittance/ reflectance of light & uniform illumination in both the eyepieces. Eyepiece ● Paired Widefield high eyepoint eyepiece 10x/ 20 mm Condenser● Abbe Condenser (NA of 1.25) with aperture iris diaphragm & light relay system should have aspheric lenses, ensuring uniform illumination throughout the field. Mechanical Stage ● Mechanical Stage should have wire movement (rackless stage) for smooth X & Y movement of specimen with abrasion resistant coating. ● It should have a upper limit focus stopper preventing contact between objective & specimen in higher magnification. CE Certification It should meet CE Standards for safety ISO Certification It should be manufacturered in a ISO 9001 facility Demonstration Demonstration will be one of the criteria for Technical Evaluation.		

14.	**Binocular microscope for Faculty**	Specifications for Faculty Microscope (Imported) Stand - Ergonomic design for long hours of fatigue free work - Coarse & Fine Focusing knob should be on both the sides. - Quintuple revolving nosepiece with inward tilt. System ● Universal Infinity Corrected Optical System Transmitted Illumination ● Built in transmitted Koehler illumination of 6V 30W halogen. Field stop should be integrated in the frame for centering of Koehler illumination. Focusing System ● Co-axial coarse & Fine Focusing control with focusing on both sides. ● Built in torque adjustable focusing knob. ●It should have a upper limit focussing stopper. Objectives -Plan Achromat Objectives 4x, 10x, 40x (Spring) & 100x(Spring, oil). Observation Tube - 30° inclined siedentopf design Trinocular observation tube with double slide holder. The Interpupillary distance adjustment range should be from 50-75mm. Eyepiece - Paired Widefield eyepieces of 10x/ 20 mm Condenser- Abbe Condenser (NA of 1.25) with aperture iris diaphragm Mechanical Stage Mechanical Stage should have wire movement (rackless stage) for smooth X & Y movement of specimen.. - It should have a upper limit focus stopper preventing contact between objective& specimen in higher magnification. The stage size should be 185 X 134 mm and travel range of 76 X 50 mm. It should meet CE Standards for safety It should be manufacturered in a ISO 9001 facility Demonstration will be one of the criteria for Technical Evaluation.	6	
15.	**Autoclave**	• Electric stainless steel autoclave with stand and power cable for sterilization of glassware and plastic ware in steam under pressure • Outer body should be made of steel and inner chamber should be made of stainless steel • Should have rotating lid made of steel with radial locking system mounted on a central screw • Should be fitted with water level indicator • Should be fitted with paddle lifting device to open or close lid	1	

		• Should be fitted with pressure gauge, steam release cock, spring loaded safety valves, etc. • Should be hydraulic tested upto 40 PSI, with heating elements easily replaceable capacity should be 40 to 50 L and upto 2 KW • 2 yrs warranty + 3 yrs CMC		
16.	**Hot Air Oven**	• Hot air oven is required for heating a sample under controlled conditions. • Microprocessor based system with PID temperature controller with integrated auto diagnostic system with faulty indicator • Thermostatically controlled system • External : stainless steel casing: insulated stainless steel door with locking and rear zinc plated steel • Interior – internal volume at least 55 liters easy to clean interior, made of stainless steel, with supports on the three sides for three adjustable perforated stainless steel shelves • Forced air circulation by quiet air turbine/fan to ensure uniform temperature • Fitted with load indicator and safety thermostat take over indicator lamp . LCD/LED indicator • Temperature variation +/- 1 deg C. • Temperature range – ambient to 250 deg. C • Output available for date acquisition • System as specified • The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90% • The unit shall be capable of operating continuously in ambient temperature of 10-40deg C and relative humidity of 15-90% • Power input to be 220-240VAC, 50Hz fitted with Indian plug • Voltage corrector/ stabilizer of appropriate ratings meeting ISI specifications (input 160-260 V and output 220-240 V and 50Hz) • System should confirm to IS:6365-1971 (Reaffirmed 1995) with latest amendments in ISI specifications for laboratory Electric ovens. Alternatively system should be FDA Approved or CE Certified. • Electrical safety confirms to standards for electrical safety IEC-60601 /IS-13450 • Should be compliant to ISO 13485: quality systems – Medical devices – particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.	1	

17.	**Electronic Analytical Balance**	□ Description of Function - Electronic Balance is required for precision weighing of Lab. Samples. □ Operational Requirements - Microprocessor based single pan analytical balance with high accuracy and precision is required. - Reading of the weight by digital display - Electronic top loading balance with transparent case - The balance should have functions of piece counting, percent weighing, formulation, dynamic weighing with automatic and manual start and provision for data interface. □ Technical Specifications - Weigh accurately up to 3rd decimal place - Fully automatic time and temperature controlled internal calibration and balance should be capable to adjust itself - Auto zero setting - Weighing capacity up to 200g - Readability 0.001g - Repeatability 1mg or less - Setting time 1.5 second - Suitable for internal and external adjustment weights - Balance should have facility for user administration and password protection. - Balance should have - Liquid Crystal Display (LCD) for display - Stainless steel square weighing pan - IR sensors for hands free operation - Warns if balance is not correctly leveled - Automatic and detachable draft shield - Detachable and adjustable terminal - Including user administration and password protection - Integrated automatic safety function for external routine operations - Alphanumeric data entry of 4 ID's □ System Configuration Accessories, spares and consumables. - As specified □ Environmental factors - Shall meet IEC -60601-1-2:2001 (Or Equivalent BIS) General Requirements of safety for Electromagnetic Compatibility. - Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80% □ Power Supply - Power input to be 220-240 VAC . 50 Hz - Suitable UPS with maintenance free batteries for minimum one hour back up should be supplied with the system - Resettable over current breaker shall be filtted for protection. □ Standards and safety - System should be US FDA or European CE approved - Electrical safety confirms to standards for electrical safety IEC-60601	1	

		/IS-13450. - Should be compliant to ISO 13485: quality systems – medical devices – particular requirements for the application of ISO 9001 applicable to manufactures and service providers that perform their own design activities.		
18.	**Laboratory Centrifuge**	Operational Requirements Aerodynamic compact construction for vibration free performance Table top version Technical Specifications Tube Capacity :No. 12 – 24 : Size 5 – 15 ml Should have a digital timer Body should be made of strong fabricated & corrosion resistant steel Control panel – for start/stop switch, dynamic brakes, step less speed regulator with zero start switch & speed indicator with timer and protective fuses. Door interlock Maintenance-free brushless drive motor with exact speed pre-selection and display. Speed range 100 to 6000 rpm and above, accuracy 1 rpm. RPM : Maximum 15,000 System Configuration Accessories, spares and consumables Centrifuge complete with Swig and basic rotors and four buckets- 01 set. Tube Holders as appropriate Environmental factors Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. The unit shall be capable of operating continuously in ambient temperature of 10 – 40 deg C and relative humidity of 15-90% The unit shall be capable of being stored continuously in ambient temperature of 0 – 50 deg C and relative humidity of 15-90% Power Supply Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian plug Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.(Input 160- 260 V and output 220-240 V and 50 Hz) Standards, Safety and Training The supplier should be ISO certified for quality standards. Should be FDA , CE,UL or BIS approved product	3	

		Should comply with IEC/TR 61010-3-020 :Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 3-020: Conformity verification report for IEC 61010-2-020:1992 Particular requirements for laboratory centrifuges" Comprehensive warranty for 2 years and 5 years AMC after warranty Documentation Certificate of calibration and inspection. List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual. List of important spare parts and accessories with their part number and costing. The job description of the hospital technician and company service engineer should be clearly spelt out.		
19.	**Spectrophotometer**	Double beam optics High resolution 1.5nm spectral band pass Pharmacopoeia standards Light Source should be Tungsten-Halogen and Deuterium Lamps, Light Source Switching Automatic switching selectable from 325nm to 370nm Should have LCD Display. LCD screen with adjustable Brightness control displays a large array of data also in graphical format. Should have chemical resistant keypad. Should be Stand alone or PC operated. Validation: Self-Diagnosis incorporating a number of parameters and wave length calibration are automatically initiated upon start-up. GLP/GMP feature for analysis requiring validation and auditing. Parameters such as Wavelength accuracy, Wavelength reproducibility, band pass, baseline flatness , baseline stability, and Noise level Up to 20 operating programs and up to 10 set of measurement data can be stored in the flash memory. Programs easily recalled, edited and deleted Should have USB port for direct download in to memory stick. Optics Concave diffraction grating / Double Beam Principle Wavelength Range 190nm -1,100 nm Spectral Bandwidth 1.5 nm Stray Light ≤0.05% (220nm NaI, 340nm $NaNO_2$) Wavelength Accuracy ±0.3nm Photometric Range Absorbance: -3 to + 3%T: 0% to 300%T,Concentration: 0,000 to 9,999 Wavelength Scan Speed 10, 100, 200, 400, 800, 1,200, 2,400, 3,600 nm/minute Baseline Stability 0.0003 Abs/hr (500nm, after 2 hours)	1	

		Noise Level 0.0003 Abs (500nm) Detector Silicon Photodiode Power requirements: 220-240 V, 50 Hz Cuvette chambers to hold 4 cuvettes, 1 for blank, 3 samples for samples with matching cuvettes Computer: Latest configuration with necessary software and Laser printer. Cuvettes(glass & quartz) of 1 ml capacity 2 numbers, microcuvettes 2 numbers A suitable online UPS with tubular batteries (maintenance free) and one hour backup time should be supplied. Standards, Safety and Training Manufacturer should have ISO certification Product should be European CE/ US FDA approved Certificate of calibration and inspection from the factory. Documentation User/Service Manual in English 2 Nos must be provided Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point , if not substantiated with authenticated catalogue/manual, will not be considered..		
20.	**Lab Refrigerators**	Capacity 350-400 Liters Temperature 2-8oC Preferably roller mounted Adjustable shelves Battery backup Durable rust free exterior Durable unbreakable interior Control panel with temperature alarm, on/off switch and digital thermometer, Interior lighting, Drip tray and defrosting arrangement . Adequate circulation of air to ensure even cooling by DUCT system Door with lock. Inside of door provided with racks. Door hinges and latches should be chromium plated. Control panel with temperature alarm, ON /OFF switch with power on indicator, digital thermometer, temperature display. Electronic automatic temperature control, Operable at 220 V, 50 Hz, single phase AC supply. Compressor unit to be hermetically sealed with guarantee for at least five years. Should have all the accessories required for the functioning of the equipment. CE / ISI mark or other equivalent quality certification. All electrical peripherals required for smoothes functioning e.g. voltage stabilizer provided with the equipment	3	

21.	**Sperm Quality Analyser**	• Fully automated numerical readouts of separate, integrated and totalized semen parameters. • Designed to work on undiluted specimens • Should give following WHO parameters- - Concentration(functional & mobile sperm conc.) - Motility & sperm motility index - Morphology • It should give other parameters like o TFSC - TOTAL FUNCTIONAL SPERM COUNT. o SMI - SPERM MOTALITY INDEX. o MSC - MOTILE SPERM CONCENTRATION Results to be calculated & displayed within 50 sec. • Must have self testing & self calibrating facility • Built in printer • Online UPS system System should be US FDA or European CE approved • 2 year warranty & 5 years CMC User list should be provided along with satisfactory performance report.	1	
23.	**Haemoglobinometer, Sahli's**	• The Haemoglobinometer Sahli's type, should be square tube type and the kit should consist of the following:- • Comparator Holder – 1. It should be black in colour and the windows should have the following dimensions :- a. Height : 3 cms (Minimum) b. Width : 0.5. cms (Minimum) • Colour comparator • Square Hb Tube graduated on both sides for measurement of haemoglobin in percentage and gram % • 20 Microlitre Hb – Pipette • Amber coloured acid vial • Glass Stirrer • Dropper with Teat • Cleaning Brush • The kit should also be supplied with the following standard accessories: 1. Square Hb tubes: 01 no. 2. Hb pipettes: 01 no. 3. HCL N/10: 500ml 4. Dropper: 01 no. 5. Glass stirrer: 01 no. • The manufacturer should be ISO certified /or the product should be ISI marked	120	

24.	**Hemocytometer**	- Should include an improved Neubaeur Chamber, one RBC pipette, one WBC pipette, coverslips in a box - Neubauer chamber is a thick crystal slide with the size of a glass slide. (30 x 70 mm and 4 mm thickness) - Neubauer chamber's counting grid should be 3 mm x 3 mm in size. The grid should be silver polished and have 9 square subdivisions of width 1mm. - Depth of chamber should be 0.1mm - The glass cover should be squared glass of width 22 mm. The glass cover when placed on the top of the Neubabuer chamber, covering the central area should maintain a depth of 0.1mm. - RBC pipette should have 0.5, 1 and 101 markings with a red bead in bulb. - WBC pipette should have 0.5, 1 and 11 markings with a white bead in bulb. - - The manufacturer should be ISO certified /or the product should be ISI marked	120	
25.	**Micro Pipette Adjustable** (capacity& no as mentioned in list above)	• Fully autoclavable • Accuracy in measurement • Ejector should ensure safe eject contaminated tips, positioned for perfect ergonomics • Precision in control, spring loaded tip cone • One button operation for aspiration, dispensing and tip ejection • Volume setting automatically locks • Chemically resistant • 4 digit display • Accuracy : +/- 1% for all • Calibration certificate should be provided with the supply • Disposable tips 500 each volume • Should be supplied with tips holder rack & pipettes stand.	15	
26.	**pH meter, electric**	• Advanced Microcontroller based design. • Display of pH, mv, temp on backliteLCD. • GLP compliant. (Optional) • Entry of buffer value, machine Idthrough keyboard for the GLP print out. • 3 point Automatic pH Calibration withbuffer standards 4.0, 7.0 & 9.2 pH • 3 point manual pH calibrationusing with known bufferstandards. • Automatic temperaturecompensation. • Entry of temperature throughkeyboard in the absence oftemperature sensor • Storage up to 50 test results	1	

27.	**Vortex Cum Mini Centrifuge**	• Rotation speed : 2800 rpm. • Maximum RCF: 700X g • Rotors for 12 x 1.5 ml, 12 x 0.5 ml and 12 x 0.2 ml microtest tubes. • 2 yrs warranty	1	
28.	**Slide Storage Cabinet**	1 . Capacity-12000 slides (6000 slides in each cabinet). 2 . Slide storage (75 x 25mm glass micro slides) should be in vertical manner. 3 . Aluminium tray anodized for slide storage. 4 . Removable slide tray. 5 . Modular and made up to stainless steel outer casing to protect from dust. 6 . Corrosion protected surface for long term use. 7 . Door opening facility with handle on the front panel with provision for locking 8. structure should be on wheel for easy movement. 9 . Fitted with index card holder . 10 . Cabinet is fitted with lock and key to ensure safety.	1	
29.	**Block Storage Cabinet**	1 . Capacity-6000 block (3000 blocks in each cabinet) 2 . Block storage should be in vertical manner. 3 . Aluminium tray anodized for block storage. 4 . Removable block tray. 5 . Modular and made of stainless steel outer casing to protect from dust. 6 . Corrosion protected surface for long term use. 7 . Should have wheel rollers in its legs (with facility of locking the wheels) for moving the cabinets. 8 . Fitted with index card holder. 9 . Cabinet should be fitted with lock and key to ensure safety.	1	
30.	**UG Histopathology Slide Set**	Hematoxylin and eosin stained slides of pathological lesions including both general and systemic pathology. Wider range of lesions preferable.(desired list of lesions is enclosed below). Sets having classical and well preserved histo-morphological features will be preferred. Quality of slides and variety of lesions available will be subjected to scrutiny. List of Slides I General Pathology 1. Acute Inflammation- Acute Appendicitis, Acute Salpingitis 2. Chronic Cholecystitis 3. Foreign body granuloma 4. Coagulative necrosis 5. Caseous Necrosis- TB Lymph node	4	

		6. Liquefactive Necrosis- Amebic Abscess 7. Fatty Liver 8. Medial Calcification 9. Granulation Tissue 10. CVC – Liver, Spleen, Lung 11. Hemangioma- Capillary, Cavernous 12. Thrombosis 13. Benign Prostatic Hyperplasia 14. Benign Tumors- Fibroadenoma, Leiomyoma 15. Malignant Tumors- Squamous cell Carcinoma, Adenocarcinoma, Infiltrating ductal Carcinoma 16. CVS – Atherosclerosis 17. Reticuloendothelial System- Hodgkin's Lymphoma 18. Hematology- Iron Deficiency Anemia, Macrocytic Anemia, Hemolytic Anemia -Neutrophilia, Lymphocytosis, Eosinophilia - ALL, AML, CLL, CML 20. Respiratory System- TB Lung, Lobar Pneumonia, Bronchopneumonia, Lung Tumors 21. GIT- benign gastric ulcer, intestinal TB, gastric carcinoma, colonic carcinoma, rectal carcinoma 22. Hepatobiliary System- Cirrhosis Liver, Hepatocellular carcinoma, secondaries in liver, chronic cholecystitis 23. urinary system- Acute Glomerulonephritis, Chronic Glomerulonephritis, chronic pyelonephritis, wilm's tumor, renal cell carcinoma 24. Male Genital System- seminoma testis, squamous cell carcinoma Penis, BPH 25. Female Genital System- Leiomyoma Uterus, Carcinoma Cervix, Dermoid cyst Ovary, Serous Cystadenoma ovary, Mucinous cystadenoma Ovary 26. Breast- Fibroadenoma, IDC Breast 27. Thyroid- Colloid Goitre, Multinodular Goitre, Hashimoto's thyroiditis, follicular adenoma, papillary carcinoma, follicular carcinoma 28. Bone- Chronic Osteomyelitis, TB osteomyelitis, Osteosarcoma, Osteoclastoma, Ewing's sarcoma 29. Salivary gland- Pleomorphic Adenoma 30. CNS- Meningioma, Glioblastoma multiforme, Medulloblastoma		
31.	**Cryostat**	1. The Cryostat should be a floor standing model with power requirements of 230V, 50-60 Hz. 2. Cryo chamber temperature setting should be 0°Cto -35°C Cooling via two separate compressor systems with specimen head cooling facility 3. Specimen cooling facility available should be in the temperature range of – 10 to - 50 C.	1	

		4. Maximum cooling time up to maximum low temperature should be less than 4 hours after start up. 5. Actively cooled quick freezing shelf should be at -40 °C. 6. Specimen storage shelf should store up to 8-12 chucks. 7. Maintenance free microtome with section thickness setting range from 1.0 to 100 micrometer should be available. 8. Fully Automatic Sectioning with an option of manual operation should be available. 9. Equipment should be suitable for sectioning of maximum specimen size: 45mm x 75mm. 10. Vertical specimen stroke length available should be 55-60mm, with a horizontal specimen feed of 25-30mm. 11. Motorized rapid and slow coarse feed preferably at two speeds should be available. 12. Trimming facility from 1 to 600 µm +/- 0.5 um, in steps of , 1,2,5,10,50 µm should be available. 13. Disposable blade holder system with lateral displacement and integrated glass anti-roll guide should be available for low & high profile blades 14. Glass anti-roll guide with anti static feature to facilitate perfect stretching of sections should be available. 15. Specimen precision orientation by 8 deg. (in x/y/z axis) should be available. 16. Instrument should have closed drainage system to allow controlled disposal of fluids. 17. Automatic & manual chamber defrost facility should be available with one automatic defrost cycle / 24 hours 18. Duration of the defrost cycle should be 6 – 15 minutes. 19. Electronic locking key to avoid any inadvertent changes in program setting should be available. 20. Manual disinfection facility with UVC Disinfection option should be available. 21. System should be quoted with Disposable Blade system. 22. The equipment should be USA- FDA/European- CE approved 23 Suitable online UPS support with minimum one hour backup should be available.		

AUG-14-2012 14:17 From: To:01292299387 P.1

L.20027/2/2012-IC
Government of India
Ministry of Health and Family Welfare
(I.C. Section)

Nirman Bhawan, New Delhi
Dated the 31st July, 2012

OFFICE MEMORANDUM

Subject:- Issuance of one time certificate of category for import of hospital equipments – under Condition No. 86 at Sl. No. 485 of the Ministry of Finance, Department of Revenue Notification No. 12/2012-Customs dated 17th March, 2012.

The undersigned is directed to refer to Ministry of Labour and Employment's letters No. S-38025/12/2003-SS.I dated 4th January, 2012 and 26th June, 2012 on the subject mentioned above and to forward herewith the necessary certificate in respect of four ESI Hospitals in terms of Ministry of Finance (Department of Revenue) Condition No. 86 at Sl. No. 485 Notification No.12/2012-Customs dated 17th March, 2012.

(Ambuj Sharma)
Under Secretary to the Government of India
Tele: 2306 1986

Shri Animesh Bharti, Director,
Ministry of Labour and Employment,
SS.I Section
Shram Shakti Bhavan,
New Delhi.

Copy forwarded with enclosures for information to:-

1. The Assistant Commissioner of Customs/ Faridabad/ Chandigarh /Patna/ Gulbarga (Department of Revenue)

CERTIFICATE

Certified that the under mentioned hospitals which are under the control of Ministry of Labour fall in category (a) (i) of Condition No. 86 at Sl. No. 485 of the Ministry of Finance, Department of Revenue Notification No. 12/2012-Customs dated 17th March, 2012

1. ESIC Medical College and Hospital Central Green, NIT-3, Faridabad (Haryana)
2. ESIC Medical College and Hospital, Village Nerchowk, Mandi (H.P.)
3. ESIC Medical College and Hospital, Village Bihta, Patna (Bihar)
4. ESI Medical and Dental College and Hospital, Village Kusnoor, Gulbarga (Karnataka)

Folder
8/8/2012

(Ambuj Sharma)
Under Secretary to the Government of India
Tele: 2306 1986

TENDER APPLICATION/DECLARATION FORM

ANNEXURE-II

1	Name of the firm:-	
2	Full Postal Address:-	
3	Cell Phone No.	
4	Telephone No:-	
5	Fax No.	
6	E-mail address:	
7	Date of Establishment of Firm:-	
8	If your Firm Registered under The Indian Factories Act:-	
9	Any other Act, if not, who are the owners (Please give full address):-	
10	Name and Address of your Banker stating the name in which the Account stands with A/c Numbers with IFSC Code / a cancelled cheque	
11	Whether insured against fire, theft, burglary etc. If so, please state the amount and name of company with policy no:-	
12	Are you in the list of approved contractors of any other organizations / institutions, if any give details (Append extra page if necessary):-	
13	Give details of any Government contracts executed during the last twelve months (Append extra page if necessary):-	
14	Any other information which you consider necessary to furnish:	

UNDERTAKING:

a. I, the undersigned certify that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with them.
b. The rates quoted by me are valid and binding upon me for the entire period of contract and it is certified that the rates quoted are the lowest quoted for any other institution/hospital in India.
c. The earnest money of Rs._____ to be deposited by me has been enclosed herewith vide Demand Draft no._____, Dt._____, drawn on bank _____, Branch_____
d. I hereby undertake to supply the items as per directions given in the tender document / supply order within stipulated period.
e. I/We give the rights to Dean to forfeit the earnest money deposited by me/us if any delay occur on my/agent's part or failed to supply the article within the appointed time or the items of desired quality.
f. There is no vigilance/CBI case or court case pending against the firm.

Date:-
Place:-

Signature of the Tenderer:-

Full Name:-

(Office seal of theTenderer)

Designation :-

ANNEXURE-III

UNDERTAKING: (To be submitted in non judicial stamp paper of Rs. 100/=)

1 I/We … (Name of authorized Signatory) the undersigned hereby declare and affirm that I/We have gone through the terms and conditions governing the Tender and undertake to comply with all terms and conditions.
2 The rates quoted by me are valid and binding upon me for the period of validity of the Tender.
3 That the earnest money of Rs._____ deposited by me/us vide Banker Cheque/Demand Draft no._____ Dt._____ drawn on……..(Name of the Bank) is attached herewith.
4 That I/We authorize Dean to forfeit the earnest money deposited by me/us in case of any delay or failure to supply the article within the stipulated time and the items of desired/quoted quality.
5 That I/We will be in the position to provide Annual Maintenance Contract/Comprehensive Maintenance Contract (AMC/CMC), spare parts, accessories attached and its consumables for 5 years from the date of satisfactory installation of the equipment till the AMC/CMC period is over.
6 That there is no vigilance/CBI case or court case pending against the firm, debarring my firm to supply of items quoted.
7 That I/We hereby undertake to supply the items as per directions given in supply order within stipulated period.
8 That I/We undertake to maintain the equipment to the satisfaction of user during the period of warranty and guarantee.
9 I/We have been informed that the Dean has the right to accept or reject any or all the Tenders without assigning any reason thereof.
10 We (Name of firm) undertake that we will provide 3 (Three) preventive service on quarterly basis during the warranty and AMC/CMC period as offered in our Tender and any no. of break down calls shall also be attended within 24 hrs. I/We also agree that the payment of AMC/CMC shall be made to me/us on half yearly basis after satisfactory preventive service.

Signature and address of the Tenderer

ANNEXURE-IV

MANUFACTURER'S AUTHORISATION FORM

To
Dean
ESIC Medical College & Hospital
NH-3, Faridabad, Haryana, Pin 121001

Dear Sir,

Ref. Your TE document No _____, dated _____

We, _____ who are proven and reputable manufacturers of_____(*name and description of the goods offered in the tender*) having factories at_____, hereby authorize Messrs_____(*name and address of the agent*) to submit a Tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. _____ (*name and address of the above agent*) is authorized to submit a Tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.
We also hereby extend our full warranty, AMC/CMC as applicable as per TED read with modification, if any,in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

[*Signature with date, name and designation*]

SEAL

For and on behalf of Messrs_____

[*Name & address of the manufacturers*]

Note:
1. This letter of authorization should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the Manufacturer.
2. Original letter may be sent.

Annexure V (a)

PRICE SCHEDULE

A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN AREA

1	2	3	4	5 Rs.	6 Rs.	7 Rs.	8 Rs.	9 Rs.	10 Rs.	11 Rs.	12 Rs.
Sl .no:	Brief Description of Goods (with make & model)	Country of Origin	Qty	Ex-factory /Ex-warehouse /Ex showroom /Off-the shelf	Excise Duty(if any) [% & value]	Sales Tax/VAT (if any) [% & value]	Transportation loading/unloading and incidental costs till consignee's site	Insurance charges for a period including 3 months beyond the date of delivery	Incidental Services (including Installation & Commissioning,supervision,Demonstration And Training) at the Consignee's Site	Unit Price (at consignee site) 5+6+7+8+9+10	Total Price (at Consignee site) basis 4x11

TotalTender Price in Rs._____

In words: _____

Note:-

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately.

Name_____

Business Address_____

Place:_____ Signature ofTenderer _____

Date: _____ Seal of theTenderer_____

Annexure:- V(b)

PRICE SCHEDULE FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD

1	2	3	4					5
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total CMC cost for five years 3x(4a+4b+4c+4d+4e)
			1st	2nd	3rd	4th	5th	
			a	b	c	d	e	

After completion of Warranty period

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance inc technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next five years on yearly basis for complete equipment.
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation purpose.
5. The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
6. All software updates should be provided free of cost during CMC period.
7. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract Period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name
Business Address
Signature of Tenderer
Seal of Tenderer

Place: _____
Date: _____

Annexure-VI

CONSIGNEE RECEIPT CERTIFICATE
(To be given by consignee's authorized representative)

The following store(s) has/have been received in good condition:

1) Contract No. & date :_____

2) Supplier's Name :_____

3) Consignee's Name & Address with telephone No. & Fax No. : _____

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

7) Name and designation of Authorized Representative of Consignee :_____

8) Signature of Authorized Representative of Consignee with date :_____

9) Seal of the Consignee :_____

Annexure-VII

Proforma of Final Acceptance Certificate by the Consignee

No_____ **Date_____**

To

M/s _____

_____

_____

Subject: Certificate of commissioning of equipment/plant.

This is to certify that the equipment(s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.

(a) Contract No_____ dated_____

(b) Description of the equipment(s)/plants: _____

(c) Equipment(s)/ plant(s) nos.:_____

(d) Quantity: _____

(e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no_____ dated _____

(f) Name of the vessel/Transporters:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

Details of accessories/spares not yet supplied and recoveries to be made on that account.

Sl. No.	Description of Item	Quantity	Amount to be recovered

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

The supplier has failed to fulfill its contractual obligations with regard to the following:

a) He has not adhered to the time schedule specified in the contract in dispatching the documents/ drawings pursuant to _Technical Specifications'.

b) He has not supervised the commissioning of the equipment(s)/plant(s)in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
c) The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____ (here indicate the amount).

(Signature)

(Name)

(Designation with stamp)

Explanatory notes for filling up the certificate:

i) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to _Technical Specification'.
ii) He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
iii) Training of personnel has been done by the supplier as specified in the contract.
iv) In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

Annexure VIII

THE FIRM IS REQUESTED TO FOLLOW THE CHECK LIST AT THE TIME OF SUBMISSION OF TENDER

COMPULSORY DOCUMENTS:

CHECKLIST				
Name ofTenderer:				
Name of Manufacturer:				
Sl.No		Yes/No/NA	Page No. in TED	Remarks
1	Have you enclosed Postal Address with Telephone No./Fax No./Mobile No./Email Address			
2	Have you enclosed EMD of required Amount for the quoted schedules?			
3	Have you enclosed details of EMD mentioning the details a) DD, b) Name of the Bank, c) Branch, d) Amount			
4	Have you enclosed clause-by-clause technical compliance statement for the quoted goods visà-vis the Technical Specifications?			
5	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
6	Have you enclosed duly fill Tender Form?			
7	Have you enclosed Power of Attorney/ Authorization in favour of the signatory?			
8	Have you submitted manufacturer's Authorization?			
9	In case of India Tenderer, have you Furnished Income Tax Account No. /PAN as allotted by the Income Tax Department of Government of India?			
10	In case of ForeignTenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			
11	Have you furnished photocopy of your PAN Card& Tan Card?			
12	Have you intimated the name and full address of your Banker (s) along with your Account Number /IFSC Code/Cancelled Cheque.			
13	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening? (2012-13, 2013-14.2014-15)			
14	Have you enclosed IT returns for the last three years? (2012-13, 2013-14,2014-15)			
15	Have you enclosed the names & addresses of other hospitals, etc., to whome items is supplied?			
16	Have you accepted delivery period as per TE document?			

17	Have you accepted the terms of delivery as per‘ FOR basis at consignee site basis’?			
18	Have you accepted the warranty, AMC/CMC as per TE document?			
19	Have you accepted all terms and conditions of TE document?			
20	Have you fully accepted payment terms as per TED?			
21	Have you submitted list of Institutions where you have supplied the quoted items?			
22	Have you submitted copy of the orders(s) against the above end user certificate(s)?			
23	Have you enclosed Application fee in case you downloaded the forms from website?			
24	Have you enclosed the details of application fee mentioning the details of DD.			
25	Have you enclosed a valid Trade License Certificate?			
26	Have you submitted mandatory AMC/CMC (for 5 years) Certificate along with rates for each year?			
27	Have you enclosed an agreement for supply of spare parts for five Years			
28	Have you submitted, the name & address of service centers in Delhi & NCR.			
29	Have submitted the original TED after signing on all pages			

1. All pages of the Tender should be page numbered and indexed
2. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
3. It is the responsibility ofTenderer to go through the TE document to ensure furnishing all required documents in addition to the above, if any.

(Signature with date)
(Full name, designation & address of the person duly authorized to sign on behalf of the Tenderer)

For and on behalf of
(Name, address and stamp of thetendering firm)

List of Annexures

Annexure I	*Custom Duty Exemption Certificate*
Annexure II	TheTender Application Form
Annexure III	Declaration Form (Should be submitted on a non-judicial stamp paper of Rs.100/-)
Annexure IV	Manufacturers Authorization Form
Annexure V (a) & V (b)	Price Schedule
Annexure VI	Consignee Receipt Certificate
Annexure VII	Final Acceptance Certificate By The Consignee Proforma
Annexure VIII	The Compulsory Documents and check list

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