

**Indian Red Cross Society
Blood Bank
National Headquarters
1-Red Cross Road,
New Delhi-110001.**

**Notice Inviting Quotation for consumables items/Printing Material/ Badges/ Juice
Drink/Machine/ CCTV camera etc.**

1. On behalf of the Secretary General, Indian Red Cross Society (Blood Bank), sealed quotation are invited under Two Bid System i.e. Technical Bid and Financial Bid from local vendors for consumable Items, kits and printing material for its Blood Bank at the above address.
2. Schedule of Events:
 - (a) Last date of received quotation 30th August, 2019
 - (b) Date of opening of Technical Bid 10th September, 2019
- 3.1 The sealed quotation should reach the Director, Blood Bank, Indian Red Cross Society, New Delhi -110001 latest by 3.00 pm, on dated 30th August, 2019.
- 3.2 Please Send
 - (a) One sealed envelope:
 - (i) The Technical bid
 - (ii) Sealed samples as per list at annexure "A" and
 - (iii) Documentary evidence of total amount of turnover being not less than Rs.1200000/- (Rupees twelve lacs only) at least 1 of the last 3 years ending on 31st March, 2019.
 - (b) Acceptable evidence is by way of assessment of sale tax/vat department.
 - (c) In another sealed envelope the Financial Bid of prices valid for two years:
 - (d) Both the sealed envelope at (a) and (b) should be put in an outer sealed envelope which should be addressed to the Director, Blood Bank at the address given in paragraph 3.1 above.

Please note that each of the envelopes should have the name, address and telephone number of the bidder.

- 3.3 Technical bid will be opened by the technical committee only for the bidder who have submitted the bid with the sample.
- 3.4 The detail technical specification may be referred for submitting the bid documents (Annexure 'A')
- 3.5 The inner and outer envelopes should be marked Bid FOR Consumable Items/ Printing materials/ Badges/Juice Drink/ Machine/ CCTV camera in blood bank.
- 4.1 The Technical Bids shall be opened at 03.00 PM hours on the 10th September, 2019 in the room of the Director, Blood Bank. Bidders or their authorised representative may attend the bid opening.
- 4.2 Technical Committee approved by the competent authority shall evaluate & decide bids are found acceptable after evaluation the equipments on demonstration and the samples of consumables/kits/reagents etc. (As per list of Annexure 'A')
- 4.3 The bidders whose technical bids are found acceptable by the Technical Committee shall be informed, by email and speed post letter, of the date and time of the opening of their financial bids. They or their representative may attend the bid opening.

- 4.4 After the opening, the financial bids shall be evaluated.
- 4.5 To ensure timely supply the 3 lowest bidder L-1 & L-2 & L-3 will be short listed. L-2 will be asked to match the rates of L-1; If L-2 refuses, L-3 will be asked to match the rates of L-1.
- 4.6 The order will be split among two suppliers in the ratio of 70 to L-1 and 30 L-2/3.
- 4.7 If two or more bidders become L-1 after the opening of the Financial bids, two will be selected by draw of lots and the order placed equally among the two of them.
5. Bids not received in sealed cover and after the due date will not be considered.
6. The Secretary General has the right to reject or accept any or all bids without assigning any reason.
7. The Supplier (the bidder(s) on whom orders are to be placed will be informed to deposit security money @ 10% of the instalment amount of proposed order the security money shall be in the form of a bank draft drawn on any schedule bank in favour of the 'Indian Red Cross Society Blood Bank' New Delhi. The draft should be submitted at the time of collection of order from the society. No interest will be allowed in the above deposit. The security money will be returned to the firm after completing the order.
8. The order of the supplier will be placed as per annexure A
9. In case supply is not made in accordance with the samples provided to Red Cross Blood Bank, the order placed will stand cancelled and the security money will be forfeited.

Director, Blood Bank

Annexure – A

Indian Red Cross Society
National Headquarters
Blood Bank

List of following items and schedule of supply for the year 2019 – 2020 – 2021 – reg.

Sl. No.	Name of Items	Quantity required	Supply in Installment	Specifications
1.	Malaria Kits	50,000 Test	10	Detect both for Pan/PF Detective of Malaria Parasite (Antigen) all 4 plasmodium parasite i.e. PF –P. Virax and P Falciparum, P. Ovale & P. Malaria. The accessories needed for conducting the test
2	HIV Kits	400 kits	04	3rd Gen/4 th Gen and NIB/Narri / NICD Approved Kit (each batch)
3	HCV Kits	400 kits	04	3 rd Gen/4Gen and NIB/Narri / NICD Approved Kit (each batch)
4	HBs Ag Kits	400 kits	04	- do- NIB/Narri/NICD Approved (each batch)
5	Band Aid	50,000 nos.	05	Strips Regular (Medicated)
6	Filter Paper	20 Rim	02	% Cotton Fibre:100, with good absorbance, Rim of 500 sheet
7	Micro Tips	4,00,000 nos.	08	Capacity 5 –100ul colour white
8	Vacationer	50,000 nos. Plain 4 ml	05	4 MI Plain and 4 ml EDTA PET vial with polymer gel/silica clot activator, 13x 100 mm plus tube with heamoguard closure
9	Vacationer	50,000 nos. EDTA 4 ml	05	- do -
10	Anti Sera	A=300,B=300,D=200, Blend=50 AB=50,H=20,A1lactin=10, Combs=10 Bovine Serum Albumin=10 nos.	03	Conforming to Quality Control Standards for Anti. Anti Sera should have the titer above 1:256, Monoclonal -10ml/5ml
11	Garbage Bag	Black, Yellow = 60 Kg. each, Blue 20kg and Red 40 kg = 180kg	01	Black, Blue, Yellow & Red Size 18"x24" Minimum weight 35 gm
12	Alcohol Swab	1,00,000 nos.	20	Single Pack Saturated with 70% isopropyl alcohol, ISO13485/ISO9001/FDA/CE, sterile, and strong absorbent.

13	Sanitizer Machine with pouch	6 nos.	01	Dest top machine with pouch 60 nos.
14	Tissue Roll	600 nos.	01	Virgin pulp or recycled, sustained quality, strong absorbency, good tensile strength, 2 ply, standard roll.
15	Voluntary Donor Forms (English)	60,000 nos. & Hindi = 5000 nos.	01	As per requirement
16	Lab Coat	80nos. (Small, Medium, Larg, extra large)	01	With IRCS logo on the pocket in the
17	Sticker different type	30,000 nos. different color (blood gr.) 15,000 nos. different color (Compatibility)	01	As per requirement different colour and different size
18	Double pan balance	1 nos.	01	Good quality machine
19	Replacement Donor Forms (English)	10,000 nos. & 2000 nos. Hindi	01	As per requirement
20	Cotton Roll	200 nos. (500 gm)	04	500 gm, absorbable, comply with IP and BP standard
21	Distilled Water.	400 Canes	08	5 ltr. Can Ph = 7 ,TDS=less than 50PPM ,Clear, colorless Odorless and tasteless
22	Sodium Hypochlorite	400 Canes	08	5 ltr Can 4%.The solution shall be a clear liquid free from suspended of particulate matter and shall be miscible in all proportions with distilled water, PH value greater than 11 at 20°C
23	Copper Sulphate Branded	50 nos. (500 Gm)	02	500 gm crystal Pack branded
24	Sodium Chloride Branded	20 nos.	02	500 gm crystal Pack branded
25	Fruit juice drink	50,000 nos. (250ml/300ml pack)	01	Minimum 25% pulp it should having FSSAI Licensing
26	Register Printing Different type	76 Nos. (List enclosed)	01	As per requirement
27	Gloves (Small.M.Large)	800 Box(50 Pair per box)	04	Unsterilized, Material good flexibility of Latex, Compliance –CE Mark/ISO,Cuff : Beaded, External Surface-smooth Internal Surface “ with Powder
28	Safety Needle	(50,000 nos.)	01	Sterile hypodermic needle gauze 26 x ½”
29	VDRL Kits	(50,000 Test)	08	Antigen Kit –RPR Modified Form which contain the carbon particles to improve the Visual reading of the result.
30	Donor Cards (Voluntary)	(50,000 nos.)	01	As per requirement

31	Badges	5,000 nos.	01	One type badge and good quality
32	Couch Roll	200 Nos.	04	Size 9" x 160 Mtr. Strong absorbency, good tensile strength, 2 ply
33	Plastic Tube 6" long	60 Kg.	01	Size 6" long
34	Denatured Spirit	200 Liter	04	Denatured Spirit 95%
35	Dustbin plastic	30 nos.	01	First number plastic, good quality
36	Cell Counter (Hematology Analyzer)	1 nos.	01	Under buyback scheme (Make Yark) and without buyback scheme. Cost of machine, cost of reagents & control give separately. Detail specification and warranty with CMC terms & conditions, please refer annexure(A)
37	Digital Camera (for whole blood bank)	13 nos.	01	DVR-32 channel, camera 4 mega pixel with recording facility, hard disk 8 TB HDD, Monitor 40 inch
38	Blood transportation boxes	2 nos.	01	Active, working with AC/DC mode (B)
39	Elisa plate reader Elisa plate washer	01 nos. 01 nos.	01 01	Specification enclosed (C)
40	Weighing machine electronic/ manual	05 nos.	01	Good quality machine
41	Weighing scale electronic up to 1 kg with platef	10 nos.	01	Good quality
42	Calibration of BB equipments	140 nos.	01	Yearly and Half- yearly Specification enclosed (D) Laboratory should be NABL Accredited
43	CMC of refrigerated blood box (Make Haier)	04 nos.		Make Haier Model 2010. Authorized dealers for maintenance of haier refrigerated transport boxes are preferred.
44	CMC of Bio- Mixer	06 nos.		Make Remi (Manufacture year 2011)
45	Bio –mixer new with CMC	04 nos.		Specification enclosed (E)
46	Scissor	24 nos.	1	Six inch long, mode of SS one side sharp and one side blunt.
47	High Performance Liquid Chromatography (HPLC) Test for Thallassaemia Trait Screening	2000 test approx. per year	5 – 10 Blood samples per day approx.	Lab should be NABH & NABL Accredited and CGHS approved

TECHNICAL SPECIFICATIONS OF CELL COUNTER (AUTOMATED HEMATOLOGY ANALYZER (A))

1. The equipment is meant to determine the count of various blood cells & hemoglobin estimation for the screening of blood donors.
2. Should be a fully automated hematology 3 part different analyzer with option to print the results with histograms of basic 8 parameters like RBC, WRC, Platelets hemoglobin (HGB) MCH and others.
3. Printer belt in thermal printer can be connected to external computer and printer.
4. The reportable RBC indices should be total RBC, HCT, HGB, MCV, MCH, MCHC and user definable setting for RDW –CV and RDW-SD. RBC count lineally should be above $6.5 \times 10^2 / \mu\text{L}$
5. Reportable platelet indices should be. Total platelet count MDW and P.LCR.
6. The system should give the differential count as lymphocytes mix population and neutrophils in percentage as well as absolute count.
7. Rapid result turnaround time up-to 60 samples per hour throughput.
8. Display large color LCD show all parameters and histograms at same screen.
9. Reagents for validation / training up to the time of installation to be provided by the manufacturer free of cost.
10. The system should have auto-probe wiper to clean the simple probe automatically after simple aspiration.
11. The system should have automatic floating threshold for correct separation of WBC, RBC's and platelets during overlap of microcytosis / large platelets.
12. The system should use cyanide free reagents.
13. Should be able to perform all blood counts from whole blood and blood components at different dilutions for the purpose of quality control.
14. Power supply 220 /240 volts. 50 cycles single phase with inbuilt FIE safety against high load voltage.
15. On the voltage corrector of appropriate rating as per standard configuration.
16. Interface: USB for printer, mouse and keyboard, internet port.
17. Storage capability for detail results including histograms up to 3 months
18. Calibration: 3 test modes after auto and Manual calibration provide original celebrator and control.
19. Sample type: venous blood peripheral blood, pre-dillution periphereal blood and various dilutions of blood.
20. **Certifications:**
 - i) Product certification CE marked from notified body or US FDA certified
 - ii) Quality Certification ISO certified
 - iii) Electrical safety: Equipment meets electrical safety specifications such as that of IEC (Class I) or Class II type-B device to protect against electric shock.

BLOOD TRANSPORTATION BOXES (B)

- **Purpose of Equipment:** To carry whole blood from individual donors to blood bank or from blood bank to point of use
 - Fixed two temperature setting adjustable to +4 °C or +22 °C
 - Capacity to accommodate minimum 48 blood bags of 450 ml
 - Vertical Cabinet (upright) with built in handles and hinged door.
 - Body material should be Polyethylene(corrosion free)
 - Smooth castors with stabilizers for flexibility and movement.
 - Ambient working temperature -2°C to +43°C min.
 - Main power switch.
 - Microprocessor based temperature controller with integrated audio visual temperature alarm function on digital monitoring display.
 - Separate selector switch for + 4 °C or +22 °C temperature settings.
 - Nominal DC power 12 / 24 volt and Nominal AC power 100 – 240 volt, 50/60Hz.
 - Automatic AC / DC power supply selection.
 - Automatic Cooling / heating operation.
 - Air cooled hermetically sealed DC compressor.
 - Car fixation kit.
 - Controlled fan cooling system for constant air/temperature distribution.
 - Removable shelves to be provided
 - Power alarm audio and visual by LED. Audio alarm can be switched off. Temperature audio and visual high and low alarm by LED.
 - Minimum Polyurethane insulation CFC free for the cabinet and the door.
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- **Certifications:**
 - i) Product certification CE Class II A or US FDA certified
 - ii) Quality Certification ISO certified
 - iii) Electrical safety: Equipment meets electrical safety specifications such as that of IEC (Class I) or Class II type-B device to protect against electric shock.
 - iv) Shall meet IEC-60601-1-2: 2001 (or Equivalent BIS) General requirements of safety for electromagnetic compatibility.

ELISA WASHER (C)

Automatic Programmable ELISA Washer for Microplate and Strip

- Hardware:
 - Manifolds 8 or 12 channel.
 - Microplate 8 - 12 channel and strips.
 - Power: 220 to 240 volts, 50 Hz.
- Software:
 - Wash Method: Plate or strip mode, plate shaking, overflow washing, aspiration, crosswise aspiration, bottom washing and aspiration and disinfection programmes.
 - Programmes: Minimum 50 user programmes
 - Wash cycle: ≥ 10 8
 - Dispensing volume: 50 to ≥ 750 ul.
 - Soak Time: 0- 10 min
 - Shaking Time: 1- 59 seconds
- Wash/waste bottle capacity (minimum 2 bottles with 1-2 L capacity) with liquid level sensor
- Self-limited operating pressure (0.5- 0.6 bar)
- Should have option for washing of strips/microplate
- Minimum residual volume ($< 5\mu\text{l}$, using 0.02% Tween)
- **Certifications:**
 - i) Product certification CE marked from the notified body or US FDA certified
 - ii) Quality Certification ISO certified
 - iii) Electrical safety: Equipment meets electrical safety specifications such as that of IEC (Class I) or Class II type-B device to protect against electric shock.

ELISA READER (C)

The ELISA System consisting of automated absorbance based microplate ELISA Reader with built-in Printer with RS 232/ USB interface.

- Hardware Specification
 - 8 - 12 measurement channels including 1 reference channel
 - Measurement time: Single or Dual wave length - maximum 8 secs.
 - Spectral range: 400 - 750 nm
 - Readout Range: 0 - 3.5 abs.
 - Accuracy: 0.000-1.000 abs, + 2% or + 0.005 to 0.007 abs.
 - Resolution: 0.001 abs.
 - Linearity: 1- 2% across readable range
 - Grating/Filters:
 - Narrow band interference.
 - Minimum 8- position interference filter wheel
 - Essential filters to be included: 405, 450, 492 and 620.
 - Desirable filters: 520, 550, 690 nm.
 - Both are to be easily interchangeable.
- Light Source:
 - Tungsten halogen lamp 20W - 40W with a pre-failure lamp warning.
- Display: Minimum 16 digit alphanumeric fluorescent/ LC.
- Key board: >19 keys
- Interface: RS232/ USB.
 - Bi-directional 300 - 9600 baud with inbuilt printer and having facility for external printer, with RS 232 interface. Two printer parallel centronics.
- Software Specification
 - Multi-function on-board software (latest compatible version) for EIA, cut-off and all other analytical parameters
- Operating modes:
 - 0 - 15 user programmable tests permanently storable in on-board memory
 - Single or dual wave length measurement with facility for kinetic measurement.
 - Storage of immediately preceding measurement.
 - Plate shaking mode for sample mixing 0 - (selectable speed and time)
- Blank Modes: Flexible blank mode setting.
- Power voltage: 220 - 240 voltage, 50 Hz
- UPS: Uninterrupted Power Supply system of 30 minutes back-up with maintenance free battery.
- Accessories:
 - Halogen Lamps (20 - 40W) - 2 Nos.
 - Thermal Rolls - 10 Rolls.
 - Dust Cover for ELISA System - 1 No.
 - Set of pipettes consisting of single channel variable volume colour pipettes with volume range 0.5 - 10ul; 5 - 40 ul; 40 - 200 ul; 200 - 1000 ul.

- 8 channel variable volume colour multichannel pipettes with volume range 5 - 50 ul and 50 - 300 ul pipettes should offer easy in lab. Calibration, tip quick ejection, click volume setting and with high accuracy and precision.
- Calibration and validation certificates:
 - Calibration and validation (IQ/OQ/PQ) certificates in respect of the equipment should be provided at the time of installation on-site.
- Printed brochures:
 - To be provided by manufacturer with technical bid
- **Certifications:**
 - i) Product certification CE Class II A or US FDA certified
 - ii) Quality Certification ISO certified
 - iii) Electrical safety: Equipment meets electrical safety specifications such as that of IEC (Class I) or Class II type-B device to protect against electric shock.

Specification of Calibration of Blood Bank Equipments (D)

Terms & Conditions:-

1. Standards use for the calibration should be traceable to National Standards.
2. At site Calibration with NABL Logo on Calibration Certificate and validation of equipment and Laboratory should be NABL/NABH accredited.
3. Calibration of equipments will be Yearly and Half- yearly
4. The required calibration/validation job shall be completed within a week from the date of confirmed job order.
5. On site calibration and certificate will issue within 08 days
6. Inspection of the equipments can be done within 08 days after issued this order between 09.30AM to 04.30PM.

Technical Specifications of Blood Mixer and Collector (E)

Technical specifications of Blood Mixer and Collector as follows:-

1. The system is used to collect donated blood from the donor at the same time mixing the blood for quality collection of blood.
 2. It is meant for stationery and mobile use. Gentle end to end mixing and control of collection time to give high quality blood suitable for all blood bags.
 3. Volume setting pre-selection of volume to be collected. Tarring of bag volume before collection. Tarring range 0 -600 g Automatic storage and recall of set volume measure volume with best accuracy.
 4. LED indication on commencement of collection
 5. LED indication and audible alarm at the end of collection
 6. Indication of time taken for collection
 7. Indication of blood flow with audio alarm when blood flow is higher or lower than desired.
 8. Continuous display of collected volume, flow and time during collection
 9. Automatic clamping at termination of preset volume collection
 10. Automatic release of bag when lifted.
 11. Continuous agitation of blood bags during collection 12-16 rpm.
 12. Equipment carry case for BCM should be approved for portability.
 13. Should operate on mains as well as rechargeable battery. On battery it should operate for a minimum of 5-8 hours.
 14. The unit shall be capable of operating continuously in ambient temperature of 10-40°C and relative humidity of 15-90%
 15. Power input to be 220-240V AC. 50Hz./440 V 3 Phase as appropriate fitted with Indian plug.
 16. Resettable over current breaker shall be fitted for protection.
 17. Suitable automatic Voltage regulator/ stabilizer meeting ISI specifications should be supplied. Board specifications are Automatic Type input 150-280V Output 220 V + /-.50 Hz. Single phase. AC with automatic 2-4 sec cut off and 6-9 minutes restart delay. Quick start arrangements for bypassing the start delay. Suitable MCB on input voltmeter and indicators on front panel input power cable with 15 A plug and six way output terminal strip for two outlets.
- 18. Certifications:**
- i) Product certification CE Class II A or US FDA certified
 - iv) Quality Certification ISO certified
 - v) Electrical safety: Equipment meets electrical safety specifications such as that of IEC (Class I) or Class II type-B device to protect against electric shock.
 - vi) Shall meet IEC-60601-1-2: 2001 (or Equivalent BIS) General requirements of safety for electromagnetic compatibility.

Specification of Fruit Juice Drink

- 1. Minimum 200 ml pack total quantity required 50,000 Nos. (Supply in installments minimum 1500 per month/lot)**
- 2. Minimum 20% pulp**
- 3. It should having FSSAI Licensing**
- 4. Not in glass bottle**