

AIDS (B.S)-04-74/2006



BIHAR STATE AIDS CONTROL SOCIETY

State Institute of Health & Family Welfare Building,

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TENDER NOTICE FOR PROCUREMENT OF EQUIPMENTS

Sealed tender bids are invited from reputed manufacturers/ authorised dealers for supplying equipments for Blood Component separation unit (BCSU) Units in 5 Medical college & Hospitals (DMCH, Laheriasaria / JLNMCH, Bhagalpur / NMCH, Patna / SKMCH, Muzaffarpur / ANMMCH, Gaya). The firm putting up the quotation should have minimum 5 years experiences in manufacturing/selling and providing onsite services in Bihar State. The firm should have a minimum average annual turnover of Rs. 1 crore in the last three years. Bid documents are duly page numbered and list of contents.

Eligibility Criteria

Tenders in one large envelope marked as “Bid for procuring equipments for Blood Components Units” containing two separate sealed envelopes:

1. Envelope ‘A’ marked with “Technical Bid for procuring equipments for BCSU ”
 2. Envelope ‘B’ marked with “Financial Bid for procuring equipments for BCSU”
- Financial bids of those tenderers, who qualify in the technical bid, will be opened.

Interested agencies must enclose the following credentials in the technical bid marked as cover 'A'.

1. Name and address of the manufacturers. In case bidder is not manufacturers, then authorization letter from the manufacturers must be enclosed along with the bid.
2. Copy of Certificate of registration of the company.
3. Audited Statement of Accounts for the last three years.
4. Copy of certificate of Income Tax PAN
5. Copy of acknowledgment of Income Tax returns for last three years.
6. Copy of Certificate of Sales Tax Registration/ VAT Registration.
7. The manufacturers/ authorized dealers must attach a user or existing client list for the mentioned equipments.
8. Customer feed back report from major customers.
9. Copy of ISO 9001:2000 Certificate.
10. Statement of compliance of Technical Specification for all the items quoted.
11. Product literature of all the items quoted.
12. EMD as per the table given below in form of demand draft from **nationalized bank drawn in favour of "Project Director, Bihar State AIDS Control Society "Payable at Patna.**
13. Non- conviction Certificate issued by the competent authority.
14. Declaration on warranty & CMC- The equipment must have warranty for 36 months from the date of installation at site; 5 years of CMC will follow after the warranty period is over.
15. List of service centers.

16. Declaration on delivery of the equipments.
17. Validity of the offer.
18. Copy of “S”/”CE” mark certificate.

SI No.	Name of the equipment	Amount of EMD (RS.)
1.	Dielectric Sealer	14000.00
2.	Manual Plasma Expresser	400.00
3.	Refrigerated Water bath (cryo Bath)	7000.00
4.	pH Meter	1000.00
5.	Digital Analytical Balance	7500.00
6.	Plasma Thawing Bath	10000.00
7.	Sterile connecting Device	25000.00
8.	Coagulometer	10000.00
9.	Generator, 10 KVA	5000.00
10.	A.C. (1.5 Ton)	2000.00
11.	Walk-in-cooler	12000.00

Financial bid, marked as cover 'B'

Financial bid should be given in the format below:

SI No.	Name of the equipment	Quantity	Cost of items (Inclusive of all the taxes/ services mentioned in the Terms of Tender)
1.	Dielectric Sealer	10	
2.	Manual Plasma Expresser	10	
3.	Refrigerated Water bath (cryo Bath)	05	
4.	pH Meter	05	
5.	Digital Analytical Balance	05	
6.	Plasma Thawing Bath	05	
7.	Sterile connecting Device	05	
8.	Coagulometer	05	
9.	Generator, 10 KVA	03	
10.	A.C. (1.5 Ton)	05	
11.	Walk-in-cooler	01	

Terms and conditions:-

1. The final price quoted should be inclusive of all taxes.
2. Pre-selection Demo at Patna (Except walk-in-cooler)
3. The rate should include the cost of 5 years of CMC after the period of 3 years warranty.
4. The m/c shall be installed at various Medical college & Hospitals.
5. The last date for submitting the complete bid is on or before 21th November 2009 (3PM). The bid will be opened the same day at 3.30 PM in the presence of the vender or their authorized person.
6. Bihar state AIDS Control Society reserve the right to cancel the bid without assigning any reason.
7. The bids in sealed envelope shall be submitted to the Project Director, Bihar State AIDS Control Society, Patna- 800014

Project Director

Know AIDS for No AIDS

Specifications of equipment

S.N.	Name of equipment	Specifications
1.	Dielectric Sealer	<p>Should be a heavy duty tube Sealer. Should be for bench-top use. The sealing time should not be more than 2 sec. Sealing triggering should be automatic. Should also have extended portable hand unit. Should have indication lamp. No warm-up time should be required. Should ensure easy separation of tube segments after the sealing. Should be simple to handle. To be operational on 220 to 240 V at 50 Hz.</p>
2.	Manual Plasma Expresser	<p>Acrylic compression plate with spring action designed to exert uniform pressure on blood bag. Power coated MS cabinet with provision for holding the bag in position.</p>
3.	Refrigerated Water-Bath	<p>Features: Should include timer of 2 hours fixed and variable temperature control, over temperature safety limit with audio visual alarm, power switch and digital temperature display, number of digit and resolution shall be indicated in the offer. Capacity: 65 litres. Storage capacity: Hold up to minimum 5 stainless steel racks. Overall interior dimension: should be indicated by the bidder. Operating temperature: + 4⁰C control sensitivity plus minus 0.2⁰C. Uniformity plus minus 0.2⁰C. Ambient temperature may be as high as 45⁰C. The equipment should be able to thaw 15 plasma units in about 90 minutes. The equipment should have: (a) Stainless steel filter screen for protecting pump intake from debris such as levels etc. (b) Stainless steel tank of 22 gauges designed with curved comers for every cleaning. (c) Stainless steel lid at least 20 gauges. (d) Outside mild steel sheet of 18 gauges. The following accessories should be part of</p>

		<p>configuration</p> <p>(i) Compression rack holder.</p> <p>(ii) Frozen plasma rack holder.</p> <p>(iii) Thermometer for visual verification of water temperature.</p>
4.	pH Meter	<p>Type: Digital electronic pH Meter with combination pH electrode.</p> <p>pH Range: 0.0 to 14.00 pH with 3^{1/2} digital display.</p> <p>Mill volt range: 0.0 to 1999 mv.</p> <p>Accuracy: 0.01 pH</p> <p>Calibration solution should be provided.</p> <p>Temperature: 0⁰ to 100⁰ C (Manual)</p> <p>Electrical Power: 220 to 240 V at 50 cycles, single phase.</p> <p>Ambient: 0 to 40⁰C. 40⁰C at 95% RH.</p> <p>Equipment shall have suitable, rechargeable battery with battery charger.</p> <p>Type and details of battery being supplied shall be clearly indicated e.g. V, AH, number etc.</p> <p>A suitable battery charger shall also be supplied so that charging batteries continue when the equipment on main.</p> <p>Equipment shall be supplied in suitable case.</p>
5.	Digital Analytical Balance	<p>Capacity: 200 grams.</p> <p>Readability: 0.01 grams.</p> <p>Linearity: Plus minus 0.002 grams</p> <p>Reproducibility: Plus minus 0.001 grams</p> <p>Dimension: To be declared</p> <p>Stainless steel path:</p> <p>Features: Percentage weighing, counting tar (0-200 grams) auto calibration with built in masses.</p> <p>The balance should be supplied with graft shield.</p> <p>To be operational on 220 to 240 V at 50 cycles, single phase.</p> <p>The balance should be suitable for 0 to 40⁰C at 95% ambient condition.</p> <p>Complete technical specifications, illustrative technical literature/leaflet etc. shall be enclosed along with the offer indicating the model quoted.</p>
6.	Plasma Thawing Bath	Should be able to thaw 4/8 plasma bags

		<p>(FFP/Aphaeresis or plasma bags of any size. Should be a water bath based system operating at a preset and precise temperature at 37⁰C. Should have two separate basket assemblies with built-in fingers for securely holding the plasma bags of all size. Should give an alarm when the plasma bags are thawed. Provision for programmable time setting for length of thawing. Should have digital timer clearly displaying the programmed set time or remaining cycle in minutes. Should have audio visual over-temperature alarm system. Should have a deep thawing chamber with stirrer. Should have a system to drain the chamber within 3 minutes. Should be supplied with a cover to keep the unit covered when not in use. To be operational on 220 to 240 V at 50 Hz.</p>
7.	Sterile Connecting Device	<p>Compatible with all standard tubing of blood bags. Should be possible to weld external diameter 3.9 to 4.5 mms. and internal diameter of 2.9 to 3.1 mms. Sensor controlled temperature welding. To be operational on 220 to 240 V at 50 Hz. NB : Cost for Wafers may be ascertained during the tendering, since it would be a proprietary item, and not possible to quantify requirement initially.</p>
8.	Coagulometer	<p>Dimension (L x W x H): 245 x130 x 60 mm. Weight: 0.51 kg (w/o power supply) Ambient temperature: 18⁰C to 30⁰C. Device: SMD Board, Micrometer, 16 bit Analog-Digital converter, memory 128 kilobits. Power supply: Input voltage- 90 to 264 V AC , input frequency- 50 Hz; Output voltage- 12V DC, current output (max): 1.0A TUV-GS, CE-Mark, CSA, UL Optic Block: 1 optic channel. Keyboard: Foil Keyboard, 3 x3 matrix, with Test-/ Functions keys. Display: 2 Lines x 16 characters, Liquid Crystal Display (LCD)</p>

		<p>Incubation Block: 1 major position, 6 incubation positions, 2 reagent positions. Temperature- 37⁰C plus minus 0.2⁰C.</p> <p>Thermal Printer (optional): External, serial printer with printout of the results in all selected dimensions and printout of system parameters.</p>
9.	Generator, 10KVA	<p>The A.C. Generator should be driven by air-cooled Diesel Engine to deliver 10 KVA at U.P.F. at 230 volts, 50 hz., 1500 R.F.M. The overall voltage regulation should be 5% from NO load to full load. The A.C. Generator shall be self excited and self regulated and conform to IS: 13364(Pt.1 – 92 with IP-21) protection enclosure and class “B” insulation.</p> <p>The Diesel Engine should be capable of providing 10% over-load for one hour out of every 12 hours of continuous running at full load. The Engine should conform to IS: 10001-1981 and the engine should be provided with adequate capacity of fuel tank for 8 hours continuous running and battery to start the set. The governing should be class A -2.</p> <p>The set shall be provided with starting handle for manual start, air cleaner, fuel filter, lub oil filter, exhaust silencer, battery lead for starting the set as well as other standard accessories not specifically mentioned above shall also be provided. Item 2 shall be provided with pre-heater for low temperature application (low temperature starting facility). The set also be provided with suitable wall/floor mounted A.M.F. control panel having suitable ammeter. Voltmeter frequency meter of minimum class 1.5 accuracy and indicating lamp for load on set load on mains and suitable rating of M.C.B. shall also be provided along with the necessary push button/rotary switch.</p> <p>A.M.F.Control Panel:</p> <p>The control panel shall be fabricated from steel sheets, totally uncovered of dust and vermin proof</p>

wall/floor mounted. There shall be no mixing of control circuitry of D.C. and A.C. Circuit in the same section and they are sufficiently separated excepting places wherever required.

Auto mode:

A line voltage monitor shall monitor supply voltage when the supply voltage falls below the set value of below the limit of the electricity department of the rate value or below 95% adjustable between 75% to 95% of the rated value, the monitor module shall initiate start up of diesel engine. To avoid initiation due to momentary system disturbances, a time delay adjustable 0 – 5 seconds shall be incorporated in the start up initiation.

A three attempts starting facility shall be provided 10 seconds on 5 seconds off. 10 seconds on 5 seconds OFF. 10 seconds ON. If at the end of the third attempt the engine has not been already started and built up the voltmeter, engine shall be locked out of start. Master timer shall be provided for the function suitable adjustments timers be incorporated which will make it feasible to vary independently ON – OFF setting period from 10 – 20 seconds. If alternation built up voltage after 1st or 2nd start as may be further starting attempts will not be made and the starting facilities will be re-set automatically.

Once D.G. set builds up voltage, the alternator conductor or circuit breaker shall close connection with the load.

When the main supply is restored and healthy as sensed by the line voltage monitor and is maintained by a suitable timer which can be set between one minute to 10 minutes, the load shall be transferred automatically to mains and take over the supply to load.

The D.G. Set will stand by for the next operation as

		<p>per (a), (b), and (c) above in case of subsequent power failure or low voltage.</p> <p>and main conductor are ensured for interlock so that unless one is OFF, the other cannot be made ON.</p> <p>Manual mode:</p> <p style="padding-left: 40px;">In manual mode it shall be feasible to start D.G. Set manually by the operator pressing the start push button.</p> <p style="padding-left: 40px;">three attempts starting facility shall be operative for start up function to stop. The D.G. Set by pressing “STOP” push button should also exit.</p> <p>The following safety and protection shall be incorporated in the A.M.F. control panel.</p> <p>I. Engine:</p> <ul style="list-style-type: none">(i) Low Lub oil pressure shut down. This shall be in operative during start up acceleration period.(ii) High engine temperature shut down.iii) High lub oil temperature shut down. <p>II. Alternator:</p> <p style="padding-left: 40px;">It shall have overload and over voltage protection, circuit breaker/contactors should trip in the event of overload, over voltage and short circuit. An earth leakage protection may also be provided.</p> <p>Monitoring and Metering Facility</p> <p style="padding-left: 40px;">Necessary visual and motoring of mains, alternator and load voltage.</p> <p style="padding-left: 40px;">Necessary visual monitoring of mains and alternator supply frequency.</p> <p style="padding-left: 40px;">A set of visual monitoring lamp indication for:</p>
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		<p>Load on Set.</p> <p>Load on mains.</p> <p>Terms and Conditions:</p> <p>The tenderers should indicate in their offer the rating, make and model of the engine and the alternator.</p> <p>As required in the Indian Standard, Diesel Engines for calculation of the derating factor the tenderer should also indicate the mechanical efficiency of the engines offered.</p> <p>The tenderers should furnish copies of complete and satisfactory type test certificates for engines and alternator to ISS: 10001/81/ & ISS: 13364(Part I) – 1992 along with their offer.</p> <p>To confirm the suitability of their engines/alternators for use at the altitude and site conditions mentioned for both the items, the tenderer should also furnish a the ISS arrived at by them.</p> <p>Supplier should provide training for service and maintenance.</p> <p>The prime movers to be coupled with the alternator shall have to be BIS certified in accordance with IS 10001-1981 (with all the amendments issued so far)</p> <p>The voltage fluctuation tolerance as has been indicated should be strictly adhered to and the output voltage shall be strictly within 230 – 250 volts which shall have to be shown at the time of installation by carrying out the governing test in accordance with IS 10000 (Part 7).</p>
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		<p>The supplied diesel generator set shall have to be operated at the time of installation at the rated load that is one air-conditioner (approx. 3 KW consumption), 2 refrigerators, centrifuge and other equipment needed in the blood bank. The voltage fluctuation should be strictly observed and it should not be beyond the specified tolerance at the specified frequency of 50 hz. The supplier should declare the rated output of the diesel generator sets at the specified altitude also.</p> <p>The coupled generator sets shall be preferred to be BIS certified in accordance with IS 13364(Part.I): 1992 or else a guaranteed test certificate for all the performance test (routine and type tests) shall be provided with each generator set in accordance with IS 13364(Part-I).</p> <p>10. The alternators coupled with the prime mover shall have to satisfy all the performance requirements as have been stipulated in IS 13364(Part 10).</p> <p>The supplier should also declare the mechanical efficiency and specific fuel consumption at the specified altitude and a suitable calculation to that effect should be provided with each generator set.</p> <p>A type test report for each model shall also have to be provided to NACO for reference and record.</p> <p>Terms for Tenderer It should be guaranteed for satisfactory performance for a period of minimum two years.</p> <p>"The diesel engine and generator set shall have</p>
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		<p>to be serviced at least once in three months and the engine oil in the body part of the diesel engine shall be replaced besides the replacement of engine oil by the user.</p> <p>The supplier shall have an undertaking that any complaint during the guaranty period shall be attended to immediately within a period of maximum three days so that the functional activities of the blood bank do not suffer.</p> <p>The suppliers should train the operators at the site of the consignee for operation of DG Sets.</p> <p>A certificate of alternatives coupled with prime movers fulfilling requirement according to I.S. 13364(Pt.I) is compulsory.</p>
10.	Air-Conditioner-1.5 ton	1.5 ton
11.	Walk-in-cooler	<ol style="list-style-type: none"> 1. Inner dimension of the cooler-9' x8' x8' 2. Ambient Temperature-2 to 6⁰C (-⁺ 2⁰C) 3. Interior of the walk-in-cooler- Each wall of the walk-in-cooler should have shelves for keeping the test reagents and test kits. There should be 2 ft. space between the shelves with 1 ft. space between the floor and lower shelf of the wall. 4. There should be temperature monitoring and alarm system out side the door. The door would have double locking device. <p>NOTE: It is understood that most of the companies in the field of manufacture of walk-in-cooler fabricate it to the requirement. The other details of specifications could therefore, be obtained from the manufacturers.</p>

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TENDER NOTICE FOR PROCUREMENT OF EQUIPMENTS FOR
BLOOD COMPONENT SEPARATION UNITS

Sealed bids are invited from reputed manufacturers or their authorized dealers for supplying equipments for Blood Component Separation Unit (BCSU) in different Medical College Hospitals (DMCH, Laheriasaria / JLNMCH, Bhagalpur / NMCH, Patna / SKMCH, Muzaffarpur / ANMMCH, Gaya).

The firm putting up the quotation should have minimum 5 years experiences in manufacturing, installation and providing onsite after sale services. Interested manufactures or their authorized wholesale dealers may quote their rates in the prescribed format. Bids received in any other formats will not be considered. The detailed tender document along with the copy of the format can be obtained from the Procurement Department of Bihar State AIDS Control Society during the working hours from Monday to Friday or could be downloaded from the (www.statehealthsocietybihar.org)

Technical and Financial bid shall be in separate envelopes and the same shall be clearly mentioned on top of the envelopes. Both these envelopes shall be put in a sealed A4 size envelope and clearly mention the tender for which you are quoting on top of it.

The last date for submission of completed bid document is on 15th November 2009 (3.00 PM). The technical bid will be opened on the same day 3.30 PM in the presence of bidders or their authorized representative who choose to attend.

Bihar State AIDS Control Society reserves the right to cancel the bid without assigning and reasons.

Project Director