रक्तदान महादान

निविदा संख्या 1/ 2016-17

कार्यालय

मुख्य चिकित्सा पदाधिकारी, सह सम्पर्क पदाधिकारी

बिहार राज्य रक्त अधिकोष, पी0 एम0 सी0 एच0, पटन-4

पटना मेडिकल कॉलेज अस्पताल, के बिहार राज्य रक्त अधिकोष,पी0 एम0 सी0 एच0, पटन में दवा रसायन, मशीन/उपकरण एवं विविद्ध सामग्रीयों आपूर्ति हेतु बिहार वाणिज्यकर में निबंधित अथवा निबंधित नही है वह भी निविदा दे सकते है। लेकिन शर्त यह होगा की आपूर्ति आदेश देने से पूर्व उन्हे बिहार वाणिज्यकर में निबंधन करा लेना होगा। लधु उद्योग के मामलों में उद्योग विभाग बिहार सरकार में निबंधित होना आवश्यक होगा। इच्छुक निविदा-दाता/ निर्माताओं / प्राधिकृत आपूतिकर्ताओं से मुहरबंद व टंकीत निविदा प्रथम प्रकाशन तिथि के 21 दिनो के अन्दर आंत्रित किया जाता है। अगर 21 दिन रविवार या सरकारी अवकाश है तो अगले कार्य दिवस के अपराहण 5 बजे तक निबंधित अथवा स्पीडपोस्ट द्वारा निविदा आमंत्रित की जाती है। कुरीयर से प्राप्त निविदा स्वीकार नही किया जायेगा। हस्तलिखित एवं समय बाधित के बाद प्राप्त निविदा पर कोई बिचार नहीं किया जायेगा प्रत्येक समुह के लिए अलग-अलग लिफाफे में मुहरबंद निविदा देना होगा। लिफाफे के उपर ही समुह का नाम एवं बिषय अंकित करना आवश्यक होगा। अन्यथा निविदा पर विचार नहीं किया जायेगा। एक समाग्री के लिए एक ही दर अंकित करना होगा। निविदा दो प्रकार की होगी (क) तकनीकी निविदा एवं (ख) वित्तीय निविदा और दोनों निविदा अलग-अलग लिफाफे में मुहरबंद रहेगी और लिफाफे के उपर ही स्पष्ट रूप से तकनीकी निविदा एवं वित्तीय निविदा समुह के साथ अंकित करना होगा। निविदा की शर्ते, सामानों की सूची एवं विस्तृत सूचनाऐं बिहार राज्य रक्त अधिकोष, पी0 एम0 सी0 एच0, पटन से किसी भी कार्य दिवस के दिन मांग पत्र प्रस्तुत कर प्राप्त किया जा सकता है। उक्त निविदा के लिए प्रिविड मिटिग 16-06-2016 को होगा जिसमें निविदादाता एवं उनके प्राधिकृत व्यकित भाग ले सकते है।

निविदा दाता को बिहार वाणिज्यकर विभाग में निबंधन के साथ-साथ अप्रैल 2016 या उसके बाद निर्गत अनापति प्रमाण पत्र तकनीकी निविदा कि साथ देना अनिवार्य होगा। निविदादाता को औषधी रसायन के मामलों में अधतन नवीनिकृत अनुज्ञप्ति प्रमाण पत्र/औषधी निमार्ण अनुज्ञप्ति पत्र/निर्माता का प्राधिकृत आपूर्तिकर्ता होने का (आयात किये जाने वाले समानों, मशीन/ उपकरणों/औषधी रसायन के मामलों में वैद्य आयात प्रमाण) पत्र होना चाहियें। क्रय किये जाने बाले दावा/रसायन के मामलों में जी0 एम0 पी0, डब्लू0 एच0 ओ0, जी0 एल0 पी0 एवं मशीन उपकरण के मामलो में आई0 एस0 ओ0, एफ0 डी0 ए0 एवं सी0 ई0 मानक गुणवत्ता का प्रमाण पत्र भी संलग्न करना होगा। दवा रसायन, मशीन/उपकरण, विविद्ध सामग्रीयों के लिए निविदा के साथ ळतवनच;।द्धकें लिए रूपये 25,000/-(पच्चीस हजार) ळतवनच;ठद्ध के लिए रूपये 25,000(पच्चीस हजार) ळतवनच;ब्द्ध के लिए राशि 10,000(दस हजार) एंव ळतवनच;क्द्ध के लिए राशि 5000(पाँच हजार) रूपये मात्र का एन0 एस0 सी0, बैंक ड्राफ्ट, बैंक गांरटी मनी जो अधीक्षक, पी0 एम0 सी0 एच0, पटना के पदनाम से प्लेज किया होना चाहिए। मशीन उपकरण के मामलों में आपूर्ति के समय मशीन/उपकरण के क्रय मुल्य का 5: राशि गारंटी मनी के रूप में देना होगा। उक्त राशि गांरटी/बारंटी अवधि के समाप्त होने पर ही वापस की जा सकेगी। निविदा स्वीकृति के बाद अनवरत आपूर्ति करने का सहमती पत्र देना होगा। और आपूर्ति नही करने की स्थिति में उन्हें काली सूची में डालने एवं गांरटी मनी जप्त करने की कार्रवाई की जा सकती सभी निविदाताओं को इस आशय का शपथ पत्र देना होगा कि उन्हे केन्द/राज्य सरकार के किसी कार्यालय के द्वारा उनके फर्म को काली सूची में नहीं डाला गया है। निविदा-दाता को भारतीय नागरीक होना चाहिए। पागल, नाबालीग, दिवालिया, व्यक्ति एवं विवादित फार्म निविदा नही देगें। निविदा के साथ फार्म/कंपनी के प्रोपराईटर/निदेशक/पार्टनर का नाम पूरा पता एवं फोन नम्बर आदि तकनीकि निविदा के साथ देना होगा। मशीन/उपकरण के मामलों में निविदा-दाता को बिहार में सर्विस सेन्टर एवं दक्ष अभियन्ता का पता फोन नम्बर देना होगा। जिनका सर्विस सेन्टर बिहार, पटना में होगा उनको प्राथमिकता दी जायेगी। निविदा कार्यालय द्वारा उपलब्ध करायें गय प्रपत्र के क्रम में ही निविदा देना होगा अन्यथा उनके निविदा पर विचार नही किया जायेगा। विस्तृत विवरणी एवं अंकित शर्तो के अनुरूप प्रमाण पत्र/कागजात स्वय अभिप्रमाणित कर निविदा के साथ संलग्न करना होगा। क्रय समिति को निविदा को बिना कारण बताये स्वीकार अथवा अस्वीकार करने का अधिकार सुरक्षित रहेगा। किसी भी विवाद का न्यायायिक क्षेत्र पटना होगा। **निविदा का समुह** ळतवनच.।ठएब-क का सूची संलग्न है। बिस्तृत जानकारी वेबसाईट ैप्चतक ठपींतण्हवअ - ैप्चडब्भ्ण् पद पर भी देखा जा सकता है।

विश्वासभाजन

अधीक्षक,

पी0 एम0 सी0 एच0 पटना

Group (A)

A1. Blood Bags

ISO 3826 standard preferred. Also should have CE mark/ ISO 9002 certification.

A1.1 Single–350-ml with CPDA/CPDA1 Anti-Coagulant,

1. Needle should be 16G with triple bevel design and penetration force less than 20g for painless veni puncture. Should have protective cap to prevent leakage of anticoagulant, and should be easily removable. Needle protector should have inner soft PVC material to ensure hermetic closure of the hub and outer one made of polypropylene to ensure rigidity of the cap and maintain the integrity of the needle.
2. Blood Bag should be made of Di Ethylhexyl Phthalate (DEHP) plasticized polyvinylchloride (PVC) plastic.
   (1) Withstand storage at- (-) 80 ºC for 24 hrs and subsequent immersion in water at 37±2 ºC for 60 minutes.
   (2) Withstand acceleration of 5000 g for 30 minutes at4 ºC and 37 ºC, without breakage.
3. Bio compatibility of the material of plastic container (blood Bags) must be certified by the manufacturer and supported by the test reports of the following:
   (a) Cell culture cytotoxicity. (b) Hemolysis. (c) Systemic injections (Acute toxicity). (d) Sensitization (e) Intracutaneous injection. (f) Pyrogen test. (g) Sterility.

4. 49 ml. CPDA/CPDA1 (Anti-Coagulant), certificate from Govt. recognized companies for pyrogen testing of Anti-coagulant. The anti-coagulant must be as per IP or USP.
5. External sterility of the bag must be assured, with batch no.
6. Each Bag should bear date of manufacturing and date of expiry.
7. The manufacturer should submit the proper valid document related to its manufacturing i.e. G.M.P., marketing licence, import licence, from Govt. of India/State Govt. / Drug Control Authority/ Competent authority.
8. The label should be non-peel off type and have “BLOOD BANK, PMCH, PATNA” marked in red ink Label should be heat sensitive and resistant to tear, water and centrifugation.
9. Shelf life of the bag should be minimum two years.

A1.2 Triple –350 ml With SAG-M /ADSOL.

1. All specifications of single blood bag.
2. 49 ml. CPD (Anti-Coagulant), certificate from Govt. recognized companies for pyrogen testing of Anti-coagulant. The anti-coagulant must be as per IP or USP.
3. Two transfer bags of 300 ml. Capacity.
4. Additive solution SAG-M/ADSOL.
5. Break off valve: Should have big break off valve to help in smooth flow of component and thereby reduce processing time. Uniform break force of the click tip ensures easy breakability.
6. Platelet storage bags should store platelets for at least 5 days, with permeable characteristic. pH of the platelet should be maintained at 6.8 to 7.2 during 5 days storage. Platelet count also should not be reduced during 5 days storage.
7. The label should be non-peel off type and have printed with **“BLOOD BANK, PMCH, PATNA”** in red ink on the main bag and transfer bags. Label should be heat sensitive and resistant to tear, water and centrifugation. If the order is for up to two thousand bags, then label in Red ink stating "BLOOD BANK PMCH" maybe omitted.
8. Shelf life of the bag should be minimum two years.
9. Customer satisfaction feedback from institutions of repute should be submitted.

Group - B

Fully Automated Chemiluminescence Illuminoassay Analyzer on RENTAL basis

Chemiluminescent microparticle immunoassay (CMIA) detection of

1. HIV (1 & 2)
2. HBsAg
3. HCV

Technical Specifications of HIV, HBsAg & HCV kits:

1. HIV

a. Should have detecting HIV 1 & 2 antibodies (IgG, IgM & IgA), as well as core antigen (p24).
b. The assay should be able to detect antibodies of HIV 1 & 2 during early sero-conversion period.
c. Should have sensitivity of 100 % and specificity of 99.5% and above.
d. 4th Generation

2. HCV

a. Should be solid phase/particle coated Recombinant antigens for core, NS3, NS4 and NS5.
b. Sensitivity 100% and Specificity 99%.
c. 4th Generation

3. HBsAg:

a. Should detect 0.025 ng/ml has sensitivity of 100% and specificity of 99.0% and above.
b. Should be able to screen all subtypes of Hepatitis B virus.
c. The test should be able to detect early sero-conversion period.
d. 4th Generation.

Technical Specifications of Chemiluminescence Immunoassay System

1. **System:** Fully automated continuous loading random access analyzer.
2. **Assay Technology:** System should be using Chemiluminescence technology with very high sensitivity and linearity.
3. **Sample Capacity:** At least 60 to 80 per hour.
4. **On Board Stability:** HIV, HBsAg & HCV on board stability should be at least 28 days.
5. **Sample Material:** Serum/Plasma
6. **Sample Volume:** 10-200 µl
7. **STAT Handling:** STAT samples are processed with priority.
8. **Sample Clot Detection:** System should have facility of clot detection.
9. **Barcode Reading:** System should have sample bar code reading facility/ Manual.
10. **On board Refrigeration:** System should have on board refrigeration facility.
11. **Disposable Tips:** System should use disposable tips and cups for all immunoassays to prevent carry over.
12. **Reagent Loading:** System should come with Auto Rack Loading allowing reagent racks to be loaded without a system pause.
13. **Calibration Methods:** Lot calibration (L-cal)
    Reagent pack (RP) calibration (R-Cal)
14. **Training:** Training for the staff should be provided on site by company using their reagents till trained adequately.
15. **Tube Handling:** System should have flexibility to use different sample containers like tubes of different size, sample cups etc.
16. **Inventory Management:** System should have real time on board inventory status for all the reagents & consumables.

17. **Interface:** System should have facility for bidirectional interface LIS/HIS.

Term & conditions for company if installed on rental basis:

(a) Total collection of Blood Units in each year: 18000 to 25000 (Approx)
(b) HIV testing kits:
(c) Hepatitis B test kits
(d) Hepatitis C test kits
(e) AMC/CMC of machine will be responsibility of company.
(f) Suitable UPS to be supplied along with equipment.
(g) Machine fully automatic.
(h) One room operation.
(i) Manpower to be trained by the company for operating the machine.
(j) Space & Electricity to be supplied and maintained by PMCH, Patna
(k) If blood bank is not satisfied with result of test, after demonstration, the contract may be terminated without assigning any reasons and without any refund they invest.
(l) PMCH will provide sufficient running water supply.
(m) PMCH will make arrangement for generator facility.
(n) In case of breakdown of instrument the company will provide backup so that work of Blood Bank will not suffer.
(o) If machine breaks down, and is not repaired within 24hours, penalty to be imposed,
(p) All consumable including washing solution to be provided by company.
(q) Certificate of Quality control of test kits should be from National Institute of Biologicals (Ministry of Health & Family Welfare, Government of India) A-32, Sector-62, NOIDA- 201309, Uttar Pradesh or Laboratory approved by the Central Government or a Laboratory approved by the State Government.
(r) Any disputes arising in the matter will be solved through discussion with Blood Bank, PMCH and the firm.
(s) The legal Jurisdiction for the contract shall be with the court of jurisdiction at Patna.

Reagent/ Anti Sera/Chemicals/Glass wares/ Plastic Wares

B-1 HIV-1 & 2 (ELISA)

1. Should have solid phase micro plate ELISA for detecting HIV 1 & 2 antibodies (IgG, IgM & IgA), as well as core antigen (p24).
2. The assay should be able to detect antibodies of HIV 1 & 2 during early sero-conversion period.
3. Should have sensitivity of 100 % and specificity of 99.5% and above.
4. 4th Generation

B-2 Testing Kit for Hepatitis B surface Antigen (HBsAg) ELISA

1. Should have sensitivity of 0.025 ng/ml (100%) and specificity of 99.0% and above for ELISA. For rapid, should have sensitivity of 0.5 ng / ml and above, and specificity of 99.0% and above.
2. Should be able to screen all subtypes of Hepatitis B virus.
3. The test should be able to detect early sero-conversion period.
4. Monoclonal antibodies to the Hepatitis B surface antigen should be used for coating the wells of the polystyrenes micro ELISA strips
5. 4th Generation

B-3 HCV (ELISA) test Kits

1. Should be solid phase/particle coated Recombinant antigens for core, NS3, NS4 and NS5.
2. Ratio high positive control / Low positive control: must be higher than 2.5
3. Ratio negative control / Low positive control: must be lower than 0.5
4. Should have sensitivity of 99% and above and specificity **of 99% and above.**
5. 4th Generation

B-4 Malaria (ELISA) test Kits

1. Detection of Antigen of all four species of Plasmodium in Human Whole Blood
2. Assay Time of 90 mins (Maximum)
3. Incubation at 37 ^{0} C
4. All reagents are ready to use
5. Specificity 99%
6. Sensitivity 100%

B-5 Syphilis (ELISA) test Kits

1. Detection of total Antibodies (Ig M, Ig A & Ig G) against Treponema pallidum in human Serum/Plasma
2. Use of mixture of recombinant Treponemal Antigens
3. Ready to use reagents
4. Assay Time of 105 mins (Maximum)
5. Specificity 99%
6. Sensitivity 99%

Common specification for Reagents (Test Kit ELISA)

1. Adequate literature detailing the components, methodology, and validity criteria and performance characteristics of the product should be provided with each kit.
2. The kits to be procured should have approval of the statutory authority in its country of origin to satisfy the requirements of Drugs & cosmetic Act. In India.
3. The assay should have reactive and non- reactive controls with each kit.
4. The supplier / local agent or manufacturer should have an import/ manufacturing license issued by the competent authority for the brand name of the kit offered on the date of bid opening.
5. The manufacturer/-authorized agent should ensure maintenance of cold chain during storage and transport at 2 to 8º C.
6. The kit should have a shelf life of minimum 12 months at the port of discharge or consignees end whichever is later.
7. **Certificate of Quality control of test kits lot should be from National Institute of Biologicals (Ministry of Health & Family Welfare, Government of India) A-32, Sector-62, NOIDA- 201309, Uttar Pradesh or Laboratory approved by the Central Government or a Laboratory approved by the State Government.**
8. B-6 Anti-A, & B (Monoclonal)

1. Appearance: No turbidity, precipitate, particles, or gel formation by visual inspection.
2. Specificity: Clear cut reaction with cells having corresponding antigen(s), and no reaction with negative control.

3. Avidity: Macroscopic agglutinate with 50% red cells suspension in homologues serum/normal saline using slide test 10 seconds for anti-A, anti-B and anti-AB with A1 &/ or B cells at room temperature, 20 seconds A2 and A2 B cells.
4. Reactivity: No immune hemolysis, rouleaux formation in saline tube test using a 3% red cell suspension at Room temperature, titer should be at least 256 for anti-A, anti-B, and anti-AB with A1 and/ or B cell, 64 with A2 and A2 B cells.

B- 7 Anti-D, Monoclonal (Ig M +IgG Blend)

1. Appearance: No turbidity, precipitation, particles or gel formation by visual inspection.
2. Specificity: Clear-cut reaction with R1 r cells.
3. Avidity: Visible agglutination with 40% red cell suspension in homologous serum using the slide test 10 seconds.
4. Reactivity: No immune hemolysis, rouleaux formation or prozone phenomenon.
5. Undiluted serum give + + + reaction in designated test for each serum and a titer should be at least 128 anti-D, using R1 r cells.

Common specification for anti sera

1. Adequate literature detailing the components, methodologies, validity criteria and performance characteristics of the product should be provided with each reagent.
2. The reagent to be procured should have approval of the statutory authority in its country of origin to satisfy the requirements of Drugs & Cosmetics Act in India.
3. The supplier/local agent or manufacturer should have an import manufacturing licence issued by the competent authority for the brand name of the kit offered on the date of bid opening.
4. The manufacturer/authorized agent should ensure maintenance of cold chain during storage and transport at 2º to 8º C
5. The reagent should have a shelf-life of minimum 18 months at the port of discharge or consignees end whichever is later.
6. **Certificate of Quality control of test kits should be from National Institute of Biologicals (Ministry of Health & Family Welfare, Government of India) A-32, Sector-62, NOIDA- 201309, Uttar Pradesh or Laboratory approved by the Central Government or a Laboratory approved by the State Government.**
7. Packing 10ml or more.

B-8 LISS/Coombs Card for Cross-matching (Gel Matrix):

1. Micro-tubes containing Polyspecific AHG.
2. Modified LISS for red cell suspension:

B- 9 Test Tube (Plastic) 12 X 75 mm

B-10 Latex Gloves (7.5) (Unsterile)

B-11 Bandaid

B- 12 Micro tips – 200 µl

Note: In presence of technical committee, samples of item should be *provided*.

GROUP-C

Equipments

C-1 Centrifuge Machine– 6 Tubes

C-2 Micropipette

Single channel

1. 10 µl, 25 µl, 50 µl 100 µl Fixed
2. 10 µl - 100 µl Adjustable
3. 500 µl - 1000 µl Adjustable
4. 20-200- µl Adjustable

8 channel

1. 10 µl - 300 µl Adjustable

C 3 Finger prick, point-of-testing Hemoglobin Analyzer (Battery operated (4AA Batteries – 1.5V) Rate contract of CUVTTES at least for 5 years

C- 4 Double distilled water plant

Out put	At least 4 liters/hrs
Ph	6.0-7.0
Conductivity	0.8 – 1.0µS/cm
Cooling water input for condenser	2 liters/mix 2 in puts
Distillate Quality	Pyrogen free
Organic matter	Nil
Silica	< 0.01 ng/ lit
Power	230 V Single phase

NOTE: General for equipments

1. Free warranty for all equipment should be at least for three years and rate for AMC/CMC for another three years.
2. Should provide calibration and AMC every 3 months
3. On placing order, 5% of total cost of equipment to be deposited as bank guarantee.
4. On receiving complaint by phone equipment to be repaired within 24 hours, otherwise a fine of Rs.500/- (Rs.Five hundred) only per day will be levied.
5. An undertaking is required from the company that:
6. (a) In case the supplier is black listed or removed from the company warranty, AMC an CMC will be the responsibility of the company.

Group-D

Printing Materials (according to sample provided, Sample maybe demonstrated on any working day between 11.00 AM to 4.00 PM)

D-1 Cross Matching / Transfusion reaction forms

D-2 Money receipt

D-3 Blood Group Stickers with color code

D-4 Registers. (4 & 2 quire)

D-5 Forms

D- 6 Voluntary blood donor card

D- 7 Voluntary blood donor certificate

D - 9 Thalssemia card

Group E-1 Comprehensive Maintenance Contract (C.M.C)

E-1 Blood Collection Monitor
E-2 Dielectric Tube Sealer (Bench Top)
E-3 Donor Couch
E-4 AC (Voltas-1.5 Ton Window)

FORMAT OF TECHNICAL BID FOR MACHINE / EQUIPMENT/CHEMICAL/REAGENT/ELECTRICAL/MISCELLANEOUS

1 Name of Tender

2 Name of Machine / Equipment

3 Name of Manufacturer

4 Model / Sr. No. /

Size Up to date Model

Up Gradation Facility

5 Quality Certificate (Detail)

(ISI / ISO / ETC)

6 Specification. Detail

(Also give Complains Report)

7 Warranty

8 CMC for 3/ 5 / 10 years

(Excluding Warranty)

9 Authorized Distributor/Manufacturer

10 Nearest Service Center

Details and Phone No.

11 Detail of Consumable

12 Installation list

Name

Signature of Authorized Person

FORMATE OF COMMERCIAL BID FOR MACHINE / EQUIPMENT/CHEMICAL/REAGENT/ELECTRICAL/MISCELLANEOUS

1. *Name of Tender.*
2. *Manufacturer/ Authorized Distributor*
3. *Name of Machine / Equipment/Chemicals/Reagents/Miscellaneous*
4. *Name of Manufacturer*
5. *Model / Size*
6. *Unit Price (Whole System)*
7. *C S T / B S T / E T C*
8. *Total*
9. *Warranty*
10. *CMC of Whole System for3/ 5 / 10 years*
    (Including Warranty Period)

    Rate / year

11 *Net Price of Whole System for 3/5 / 10 years*

    With CMC (Including Warranty Period)

12 *Rate of Consumable*

Name

Signature of Authorized Person

वर्ष 2013-14 के लिए दवा/रसायन, जॉच किट्स, एवं रीऐजेन्ट हेतु तकनिकी निविदा का प्रपत्र

1 निविदा-दाता का नाम .....

एवं पुरा पता.....

टेलीफोन नम्बर सहित :.....

2 निर्माता / ड्रग लायसेन्स (क) संख्या.....

(ख) जिला .....

(ग) राज्य.....

3 सी0 एस0 टी0 एवं बी0 एस0 टी0 / वैट : (क) संख्या.....

(ख)जिला .....

(ग) राज्य.....

(घ) वाणिज्य कर विभाग का अनापत्ति प्रमाण-पत्र अप्रैल 2012 या उसके बाद का .....

4 क्वालिटि सर्टिफिकेट:-:-..... संलग्न करें :

5 निविदादाता का स्टेटस :-

(क) निर्माता:-.....

(ख) प्राधिकृत बिक्रेता:-.....

(ग) अगर विदेश से समान मगाया गया है तो इम्पोट लायसेन्स संख्या ..... एवं वैधता की तिथि.... .....

5 दवा/ रसायन जॉच किट्स, एवं रीऐजेन्ट की सूची :-

(इसी क्रम में निविदा देना है)

संलग्न शर्त के आलोक में अन्य कागजात की छाया प्रति का स्वंय अभिप्रमाणित प्रति संलग्न करें ।

क्रम संख्या	दवा/ रसायन का नाम	मात्रा	मच कंजम	निर्माता का नाम	क्वालिटी	अभियुक्ति

Name

Signature of Authorized Person