

**RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI**

**Sample Tender paper for Laminar Air Flow on turnkey basis at RIMS, Ranchi**

Tender Notice No. RIMS/Store Misc.(5) / 1307 dated 04.03.2016

Issued to

M/s \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Against money receipt number ...../RIMS, dated : .....

Cashier  
RIMS, Ranchi

राजेन्द्र आयुर्विज्ञान संस्थान  
(झारखण्ड सरकार का एक स्वयतशासी संस्थान)  
राँची-834009 (झारखण्ड)  
दुरभाष: 0651-2541533, फ़ैक्स: 0651-2540629,  
E-mail: rimsranchi@rediffmail.com



RAJENDRA INSTITUTE OF MEDICAL SCIENCES  
(An Autonomous Institute under Govt. of Jharkhand)  
Ranchi-834009 (Jharkhand)  
Phone: 0651-2541533, Fax: 0651-2540629,  
Email : rimsranchi@rediffmail.com

RIMS/Misc Stores(5)/ 1307 Dated 04.03.2016

### **NOTICE INVITING TENDER**

Open tenders are invited through sealed offers in two bid system (Technical & Price bid) by Speed post / Registered post only, from original equipment manufacturer or authorized dealer for Supply & installation of Laminar Hood (Laminar Air Flow System with all accessories) in the existing OT complexes of Oncology & Super Specialty building on turnkey basis at RIMS, Ranchi, Jharkhand, India. Tenders will not be accepted by hand or any other agency.

<b>A. Important dates for Tenders</b>		
1.	Pre bid meeting for discussion on various technical issues	On 14.03.2016 at 12:30 P.M at RIMS. All the intending bidders must attend the pre-bid discussion meeting for clarification of their queries & requirements of RIMS. No claims will be considered after finalization of tender paper.
2.	Date of issue of tender documents	From : 21.03.2016 to 11.04.2016 (The intended bidders may purchase tender document on any working day upon payment of each tender paper in cash to the RIMS Cashier or those who want to bid by downloading the tender document, they have to submit separate demand drafts of Rs. 5000/- as cost of tender paper with their technical bid.
3.	Last date of submission of sealed tender documents (Only by speed post / Registered post)	On 12.04.2016. till 04.30 P.M
4.	Opening of technical bid & discussion on technical issues.	On 13.04.2016 at 12:30 P.M in RIMS administrative conference hall, in front of purchase committee. All the bidders or their duly authorized representative must represent the tender opening for discussion & queries of purchase committee.

- Note :1. For details of tender terms, conditions & specification please visit RIMS website : [www.rimsranchi.org](http://www.rimsranchi.org) from 08.03.2016 for sample tender paper to attend the pre-bid meeting.  
2. Final Tender paper will be uploaded on 21.03.2016 after pre bid meeting. All the bidders have to submit their tenders as per final tender paper (Not as per sample tender paper).  
3. Before participating the meetings the bidders may physically visit the site and they may discuss with the concerned H.O.Ds / Officer Incharge, RIMS, Ranchi regarding requirements or queries.

Sd/-  
Director  
Rajendra Institute of Medical Sciences  
Ranchi

In case of lack of any essential required documents the tenders will be rejected - The list of essential required documents which must be submitted with technical bid of the bidders :

- (i) Photocopy of JVAT (Sales tax) Registration certificate in Jharkhand State
- (ii) Photocopy of JVAT/Sates tax clearance certificate of Jharkhand State, valid at the time of opening of technical bid

**OR**

If the bidding agency is not registered under Jharkhand sales tax department, then they must give an undertaking through notary affidavit that "They will supply the equipment/items at RIMS, Ranchi after payment of JVAT/Jharkhand Sales tax on their own & they will make their own arrangements for custom clearance in case of imported equipments. They shall not demand any document from RIMS for JVAT/custom clearance/duty exemption/waiver/relief in this regard".



- (iii) Copy of Manufacturing certificate or original copy of authorization from original equipment manufacturer in the name of authorized bidder for bidding on their behalf. (Photocopy or fax copy will not be valid).
- (iv) I.T. PAN no. of the bidder.
- (v) Earnest money in form of Demand Draft issued by any nationalized bank only in favour of **Director, Rajendra Institute of Medical Sciences, Ranchi** –
  - (1) For Laminar Air Flow Rs. 1,00,000.00
- (vi) Affidavits through first class magistrate / Notary Public, mentioning that –
  - (a) "Our company has not been black listed or convicted in the past by any Hospital Organization or by any Government / Semi government organization / P.S.U.s / C.B.I / C.C.I & free from all kind of litigation/allegations,
  - (b) That the firm has no vigilance case/CBI/FEMA/CCI case pending against him/supplier (Principal)
  - (c) That the firm is not supplying the same item at lower rate quoted in this tender to any government organization or any other institute".
  - (d) That the firm shall supply the consumables & accessories required to run the machine uninterruptedly during warranty & cmc PERIOD
- (vii) Technical specifications with catalogue & dimensions of equipment, accessories & details of turnkey works (if any required for installation of equipments). The bidders have to provide complete layout plan of the constructions & electrical works (if any) required and to be done by the bidder within their offer for installation & functioning of the complete system.
- (viii) IT return certificate and balance sheet of the bidders for last three financial years.
- (ix) Acceptance letter/undertaking that they shall provide five years comprehensive warranty for all the equipments and turnkey works. Then further five years comprehensive maintenance contract with all spares, accessories & labour charges for all the equipments as well as turnkey works.
- (C) Other terms & conditions of tender :
  - (1) Technical part should contain the documents & request for proposal and all such details as mentioned in the term of reference or tender paper.
  - (2) Financial part should contain the financial bid inclusive of equipment, accessories, all admissible turnkey works, warranty, guarantee, C.M.C., taxes etc.
    - Note :
      - (i) The offered price will be valid for minimum period of two years.
      - (ii) No price escalation for hardware's/accessories/equipment/turnkey etc will be acceptable during warranty/guarantee or CMC period, whatever circumstances may be.
      - (iii) Price escalation will be considered only for consumable / chemicals etc. but only atleast after two years from the date of handover of the complete project
  - (3) Details with respect to terms and conditions & list of items and submission of such proposal can be obtained from "Term of Reference" i.e. tender document/paper & on RIMS **website - [www.rimsranchi.org](http://www.rimsranchi.org)**
  - (4) If required by the technical committee, all the tenderers have to organize practical demonstrations of the same model machine at their nearest installation site to the nominated technical team of RIMS, Ranchi on tenderer's own cost before finalization of technical evaluation report.
  - 5. The undersigned reserves the right to accept or reject in part or as a whole any of the proposal received without assigning any reason thereof.
  - 6. Any legal matter related to this tender shall be under jurisdiction of Hon'ble Jharkhand High Court, Ranchi.
  - 7. Before participating the bid, the bidders may visit the site at RIMS, Ranchi and may have discussion with the concerned faculty H.O.Ds regarding their requirements & queries.

8. Price Bid of only those bidders will be considered/opened who will qualify the technical documents parts as well as technical specification parts.
9. For major equipment the bidders have to quote separate, sealed price for each & every equipment, so that price of only specific technically qualified items of the bidders may be opened.
10. No payment shall be made in advance, whatever circumstances may be.
11. The bidding prices will be valid at least for two years or the next tender which ever is earlier. If there will be government holiday on any last day of the above schedule, the tender process will continue on the just next working day.

Sd/-  
Director  
Rajendra Institute of Medical Sciences  
Ranchi.

**Sample Tender paper for participating pre-bid discussion for installation of Laminar Air Flow in the existing OT complex of Oncology & Superspecialty building on turnkey basis at RIMS, Ranchi**

To,

M/s \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

Director, Rajendra Institute of Medical Sciences, Ranchi invites you to tender for installation of Laminar Air Flow in the existing OT complex of Oncology & Superspecialty building, on turnkey basis at RIMS, Ranchi.

If you are in a position to quote for supply & installation in accordance with requirements stated in short tender notice & tender form, you must also furnish all the information, called for, along with your tender.

This tender is non transferable.

All legal matter in respect to this tender will be subjected to jurisdiction of Hon'ble Jharkhand High Court, Ranchi.

The last date of submission of tender -- 12.04.2016 (upto 4:30 p.m).  
by registered posts / speed post only,

Date for opening technical bid - 13.04.2016 at 12:30 p.m.

-.

Yours faithfully

Sd/-  
Director  
Rajendra Institute of Medical Sciences  
Ranchi



**OFFICE OF THE DIRECTOR  
RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI  
Bariatu, Ranchi – 834009 (Jharkhand)**

**General Terms & Conditions**

1. The terms and conditions mentioned in tender notice no. RIMS/Store/Misc(5) 1307 dated 04.03.2016..
2. The tender should be submitted in duplicate complete with specification, literature, leaflet along with catalogues etc. leaving no room for back references.
3. Bids are to be submitted in two parts viz. (A) Technical Bid containing complete technical aspects including original EMD, Affidavit etc., except price bid & (B) Price Bid containing price elements only.

**Note : The tenderers have to submit separate sealed technical & price bids for each department. The envelopes must be superscribed as technical bid for tender no. .... dated ..... for department of ..... & similarly price bid envelopes should be superscribed. All the envelopes of one department should be sealed within one envelop.**

4. Technical Specification should be in the proforma / format given below :

**A. Technical Specification Proforma for department of ..... (for Major Equipments)**

Sl. No.	Required technical specification as mentioned in tender form	Tenderer's detail technical specification of the equipment for which they are quoting	Remarks or any other extra advantages of the quoted model or attachments (if any)

**B. Tenderers Technical Details of turn key works**

- i. **Civil /Electrical/Mechanical / furnishing etc works to be done (if any) by the bidders under turnkey project.**

Sl. No.	Tenderer's detailed item list/work list	Quantity offered by the tenderer

- ii. **Electrical works : (If any required under turnkey)**

Sl. No.	Tenderer's detailed item list/work list	Quantity offered by the tenderer

Note :

1. All the electrical items including all fittings & fixing will have to be supplied & installed by the tenderer

**iii. Furnitures works : (If any required to run the machines under turnkey)**

Sl. No.	Tenderer's item list	Quantity offered by the tenderer

1. Before quoting the tender & before participating in the meeting the tenderers must have to visit the sites & they have to discuss with authority for location & confirmation of site.
2. Before finalization of the tender if needed by the technical committee the tenderers have to arrange on site practical demonstration of their quoted items to the members of technical committee on any of their pre installed sites on tenderer's own cost.

Full signature of the tenderer with seal

Designation : .....

Dated : .....

**5. Price Bid Proforma : (Price of every item must be in separate sealed envelops)**

A.

Sl. No.	Technical specification of the main machine	Unit Price in Indian Rs.	Mention clearly the excise duty charges, or any other charges, sales tax etc. in Indian Rs.	Price FOR destination with installation charges, training to staff/ Doctors on turn key basis with all taxes. (INR)

**B. Essential accessories supplied by the firm free of cost with main machine to run the machine smoothly.**

Sl. No.	Name of accessories	Technical specification in details with manufacturer name.	Quantity	Remarks (if any)

**C. Optional accessories (if any for major equipments)**

Sl. No.	Name of accessories	Detail technical specification with make & model	Qty	Unit price in India Rs.	Mention clearly the excise duty charges, or any other charges, sales tax etc. in Indian Rs.	Price FOR Destination with installation charges, training to staff on turn key basis with all taxes.

**D. Essential consumables required to run the machine such as papers, cartridges, chemicals etc. supplied by the firm free of cost with main machine to run the machine smoothly.**

Sl. No.	Name of consumables	Technical specification in details with manufacturer name.	Quantity	Unit Rate	Remarks (if any)

E. Rate for essential civil, electrical works & furnitures for smooth running & installation of the complete system. (Tenderers have to give details of civil (including furnitures) & electrical works to be done for smooth running of machine): Rs. ....  
(in words Rs.....)

(Total amount of the complete equipment set on turn key basis i.e. A+B+C+D+E = Rs. ....)

(in words Rs ..... ) with five years comprehensive guarantee/warranty with all accessories, spares, manpower & turnkey maintenance works.

6. Price of Comprehensive maintenance contract with all spares after expiry of guarantee period for five years :-

Year	C.M.C. Rate in Indian Rs. (per year)
1 <sup>st</sup> Year	
2 <sup>nd</sup> Year	
3 <sup>rd</sup> Year	
4 <sup>th</sup> Year	
5 <sup>th</sup> Year	

Note :

(1) Price of C.M.C. for five years will also be considered during price comparative evaluation.



- (2) Warranty as well as CMC will cover (inclusive of) all spares, accessories & turnkey works and it will also cover :-
- i. X-ray & C.T. tubes & high tension cables
  - ii. Helium replacement
  - iii. Any kind of motor
  - iv. Plastic & glass parts
  - v. All kind of sensors
  - vi. All kind of coils, magnets, probes, transducers, cuffs, paddles, cables, chart recorders, patient circuits, tube, bulbs, electrodes, humidifiers, sensors, cassettes, printers & images, UPS including the replacement of batteries, Air-conditioners, compressors, fuses, transformers, monitors, cameras, stabilizers, furnitures, aprons, badges, radiation accessories, software & Hardware, chambers, phantoms & other accessories (if any) will be supplied & installed by the bidders without charging any extra cost under warranty & C.M.C.
- (3) For radiological equipment, it will be complete responsibility of the bidder to have N.O.C from AERB and after installation the bidder shall arrange the license from AERB to run the machine at RIMS. The RIMS shall provide all the required data to the bidder for getting the license. Final payment will be released after getting license to run the machine.

Full signature of the  
tenderer with seal

-----  
Name  
(in capital letters)

-----  
Designation

Sd/-  
Director  
Rajendra Institute of Medical Sciences  
Ranchi

7. The tenderers have to mention clearly the names and technical specifications of the relevant accessories which they will supply along with the main system, free of cost in their price bid.
8. The price should be inclusive packing, carriage & installation cost.
9. The total cost of each equipments should be quoted in figures and words.
10. The price quoted should be valid for at least two years from the date of opening of tender.
11. The intending tenderers should produce the copy of manufacturing registration certificate. In case of authorization – original authorization certificate issued by the manufacturer in the name of Director, RIMS, Ranchi. The authorization must be valid at the time of tender opening.
12. The tenderer must enclose registration certificate of Jharkhand Sales tax/JVAT along with update respective clearance certificate or If the bidding agency is not registered under Jharkhand Sales tax department then they must give an undertaking through notary affidavit that "They will supply & install the equipment/items at fixed destination after payment of JVAT/Jharkhand Sales tax on their own & they will make their own arrangements for customs clearance in case of imported equipments. They shall not demand any document from Director, RIMS for clearance or duty exemption/waiver/relief in this regard."

13. The tenderer should furnish the warranty / guarantee period of the complete system.
14. The tender without EMD will be ignored straightway.
15. Incomplete tender will be summarily rejected.
16. The EMD will be refunded in full to the unsuccessful tenderers after finalization of tender and in case of successful tender, the EMD will be refunded only after expiry of warranty / guarantee period.
17. The full EMD shall be forfeited in case of backing out of the offer after acceptance.
18. The successful tenderer have to supply the items in accordance with the specification as finalized and approved by the purchase committee.

In case of late supply of materials, penalty will be charged on the bidder as per norms mentioned hereunder :-

- i. After 07 days (one week) from stipulated date of supply completion - @0.5% (point five percent) per week of total contract value upto 04 weeks
- ii. After 04 weeks @1% (One percent) of contract value per week upto 08 weeks
- iii. After 08 weeks @2.0% (Two percent) of contract value per week upto 12 weeks.
- iv. After 12 weeks the security money & EMD will be forfeited by RIMS and the bidder will be debarred / black listed for further participations

Above mentioned same penalty will be charged during warranty as well as comprehensive maintenance contract period if there will be delay for more than 07 days from the date of information of breakdown.

19. The bidders have to do the essential construction works by their own including all mechanical & electrical works as per requirement of their quoted equipments for fully functioning of the complete project including all the equipments, generators, deep hole boring, separate water tank, drainage from the site to the main drainage system, water & electrical distribution system for all the machines under the project. They have to quote accordingly. No consideration regarding extension of work or escalation of rates will be made after finalization of tender.

Full signature of the tenderer  
With seal and date  
Designation.

20. Contractor Form 'A'

Telegraph Address :- .....

Telephone No. : .....

Telex No. : .....

Fax No. ....

From

\_\_\_\_\_  
\_\_\_\_\_  
(Full name and address of the tenderer)



To

The Director  
Rajendra Institute of Medical Sciences,  
Ranchi.

Sir,

1. I / We hereby offer to supply the stores detailed in the schedule here to such position thereof as you may specify in the supply order at the price given in the said schedule and agree to hold the order (offer) open till it is opened. I/We shall be bound by communication of acceptance within the prescribed time.
2. I / We have understood the instructions to tenderers and terms conditions of contract for contract concluded by Director, RIMS as contained in schedule & tender notice. We have thoroughly examined specification drawing or pattern quoted in the schedule here to and am/are fully aware of the nature of the stores required.
3. The following pages have been enclosed to and from part of this tender's technical bid  
.....

Yours faithfully

Signature of tenderer

Address .....

Dated .....

Seal.....

22. All documents duly completed, signed and sealed should be enclosed with your tender offer failing which your quotation will be treated as incomplete.

**Technical compliance report duly filled and signed with seal of the bidder.**

The bidders must fill all the rows/columns of this compliance report. This report will be inspected & evaluated by purchase committee and accordingly documents will be verified on the concerned page numbers.

Sl. No.	Enclosures required	Have you enclosed it? write clearly Yes or No	If yes then on page no. of this bid.
	In case of lack of any essential required documents the tenders will be rejected - The list of essential required documents which must be submitted with technical bid of the bidders :		
1.	Photocopy of JVAT (Sales tax) Registration certificate in Jharkhand State	Yes/No	Page No. ....
2.	Photocopy of JVAT/Sates tax clearance certificate of Jharkhand State, valid at the time of opening of technical bid <b>OR</b> If the bidding agency is not registered under Jharkhand sales tax department, then they must give an undertaking through notary affidavit that "They will supply the equipment/items at RIMS, Ranchi after payment of JVAT/Jharkhand Sales tax on their own & they will make their own arrangements for custom clearance in case of imported equipments. They shall not demand any document from RIMS for JVAT/custom clearance/duty exemption/waiver/relief in this regard".	Yes/No	Page No. ....



3.	Copy of Manufacturing certificate or original copy of authorization from original equipment manufacturer in the name of authorized bidder for bidding on their behalf. (Photocopy or fax copy will not be valid).		
	(i) Whether manufacturer or authorized dealer	Write clearly manufacturer or authorized dealer	If manufacturer then valid manufacturing licence on Page No.....
	(ii) If authorized dealer then write names of the original manufacturers and enclose the authorizations issued to you. e.g.		
	a. Authorization letter of M/s .....	Yes or No	On Page No. ....
	b. Authorization letter of M/s ..... and so on	Yes or No	On Page No. ....
4.	I.T. PAN no. of the bidder.	Yes or No	On Page No. ....
5.	Earnest money in form of Demand Draft issued by any nationalized bank only in favour of <b>Director, Rajendra Institute of Medical Sciences, Ranchi</b> – for Laminar Air Flow – Rs. 1,00,000.00	Yes or No	On Page No. ....
6.	Affidavits through first class magistrate / Notary Public, mentioning that – (a) “Our company has not been black listed or convicted in the past by any Hospital Organization or by any Government / Semi government organization / P.S.Us / C.B.I / C.C.I & free from all kind of litigation/allegations, (b) That the firm has no vigilance case/CBI/FEMA/CCI case pending against him/supplier (Principal) (c) That the firm is not supplying the same item at lower rate quoted in this tender to any government organization or any other institute”. (d) That the firm shall supply the consumables & accessories required to run the machine uninterruptedly during warranty & cmc PERIOD	Yes or No	On Page No. ....
7.	Technical specifications with catalogue & dimensions of equipment, accessories & details of turnkey works. The bidders have to provide complete layout plan of the constructions & electrical works (if any) required and to be done by the bidder within their offer for installation & functioning of the complete system.	Yes or No	On Page No. ....
8.	I.T. return certificate & balance sheet of the bidders for last three financial year.	Yes or No	On Page No. ....
9.	Acceptance letter/undertaking that they shall provide five years comprehensive warranty for all the equipments and turnkey works. Then further five years comprehensive maintenance contract with all spares, accessories & labour charges for all the equipments as well as turnkey works.	Yes or No	On Page No. ....

Note :

1. Sales tax form JVAT-504 G / Road permit / Entry tax etc. of Govt. of Jharkhand will not be issued by R.I.M.S. authority. It will be responsibility of the bidders to arrange JVAT form 504-G or any other documents related to sales tax / entry tax on their own.
2. If any of the above enclosures are of more than one page then in the page number columns write clearly on page no. .... to page no. ....
3. Without filling the compliance report the offer will be rejected directly at the time of technical evaluation.
4. All the bidders have to provide soft copy of their technical bid including specification (same as they have submitted in hard copy of technical bid) in PEN drive also. PEN drive must be submitted by all the bidders at the time of opening of technical bid in front of purchase committee/technical committee.
5. If there will be contradiction/Confusion regarding affidavit clauses of the tender, the matter will be finalized by legal procedure through legal opinion.

### Certificate of Compliance

I Mr. / Mrs. / Miss ..... on behalf of M/s (Name of firm / company) ..... do hereby confirm that I have verified the above compliance report, it is duly filled. Our technical bid consists of total (No. of pages) ..... (in words .....)

Signature of the Bidder  
with date & seal of the firm / company

23. Please enclose photocopies of your complete registration certificate with DGS&D / NSIC ./ DGQA, (if any) as applicable, which should be valid on the date of tender opening.
24. Price bid of technically acceptable offers would only be opened for which either the respective firm would be invited through telephone / fax or the same may be opened with display in the notice board in case telephone message can not be passed on.
25. The following information should be given in the offer by tenderers :-
  - a. Complete configuration of the main equipments.
  - b. Relevant (must) accessories should be supplied with the equipment, if it is required for running the complete system.
  - c. Optional accessories, if any.
26. Liquidated damages shall be levied for delay in supplies as per Governing Rules.
27. The successful tenderer shall have to submit security deposit equal to 10% of the value of the contract in form of Bank guarantee pledged to Director, RIMS, Ranchi. The bank guarantee shall be valid for minimum period of 60 months.
28. Tenders / Quotations are to be submitted in duplicate. Number of pages, leaflets / pamphlets, catalogue drawings etc. should be tied separately and marked original / duplicate. However, the tender inquiry document issued by RIMS should be attached with original copy of tender / quotation.
29. Technical bids & Price bids should be kept sealed separately superscribing the envelope **“Technical Bid” & “Price Bid”** and Tender Notice No. & Tenderers name with full address & telephone numbers.
30. The tenderers shall give a clear and guaranteed delivery period for completion of supply & installation and functioning of the complete system in their bid and they have to maintain the time frame.



31. Tenderers are required to answer all the question mentioned in the schedule & should return the same duly signed and filled along with form "A"
32. The tendering firms shall note that the supplies will be made in accordance with the specification mentioned in the tender.
33. Nevertheless, the purchaser shall be liable for price variation after final approval by purchase committee. The overseas bidders also have to quote their rates in Indian rupees. They shall calculate the exchange rate of foreign currencies in Indian rupees & quote accordingly in Indian rupees.
34. The tenderer has to mention clearly the quality, specification, names of companies for consumables like films & others to be used in the machines for optimum quality results. The tenderer has to assure in written about the local availability of consumables in their tender.
35. If the supplier, having been called upon by the purchaser to furnish security deposit (S.D.), failed to furnish the same within the period provided it shall be lawful for the purchaser to forfeit the E.M.D. and to cancel the contract.
36. The purchaser shall be entitled and it shall be lawful on his part to forfeit the amount of security deposit in whole or in part in the event of any default, failure or neglect on the part of the supplier in the fulfillment of performance in all respect of the contract under references or any other contract with the purchaser or any part thereof to the satisfaction of the purchaser.
37. The security deposit shall remain in full force and effect during the period that would be taken for satisfactory performance and fullfitment of in all respects of the contract i.e. since final acceptance of the goods/equipments or any other by the consignee and be valid upto guarantee period of the equipments to be purchased.
38. After complete installation of the equipment the supplier shall inform the technical committee or the concerned authority in writing for inspection & functioning of the equipments. If the inspecting officer finds that pre-inspection of the consignment is not as required then the consignment is liable for rejection.
39. Contractor / Seller hereby declare that the goods / stores / articles sold / supplied / installed to the purchaser under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification & particulars mentioned in the contract.  
The contractor / seller hereby guarantees that the said goods / articles would continue to confirm to the description and quality aforesaid for a period of Five years from the date of final installation.
  - a. Warranty to the effect that before joining out of production for the spare parts they will give in advance notice to the purchaser of the equipment so that the later may undertake the balance of the life time requirements.
  - b. Warranty to the effect that they will make available the blue prints of drawings of the spares if & when required in connection with the main equipment.
40. The following clauses are required to be confirmed :-
  - a. Free routine servicing (at least 2 visits of their engineers at site in one year) will be carried out by the firm till guarantee period.
  - b. The firms will make available full engineer support package (ESP) including essential maintenance and recommended spares for maintenance of the equipment for further 05 years after the guarantee period.
  - c. The following set of documents in respect of the equipments are also required to be supplied by the firm :-



Literature	Distributions	Quantity
(i) Operation instructions	With each equipment	sets each
(ii) Wiring diagram	Inspecting authority (Concerned authority)	2 sets
(iii) Maintenance service manual	Inspecting authority	2 sets
(iv) Spare parts lists indicating cost	(Concerned authority)	2 sets

d. The tenderers should quote the latest models. Quotations for out dated models of equipments will not be entertained.

41. Payment terms as follows :

100% after installation and completion of training. If needed, the L.C. account in nationalized bank may be opened for assurance of payment. The payment clauses in L.C. will be after job completion.

42. Price bids and technical bids should be separately sealed, covers duly superscribed. Both the bids should be in duplicate. Both these sealed bids should be put in another main envelope duly sealed & mentioning following informations.

Tender notice no. RIMS/Stores/Misc. (5) / 1307 dated 04.03.2016 for laminar airflow system  
Date & time of opening 13.04.16 at 12.30 P.M.

Sd/-  
Director  
Rajendra Institute of Medical Sciences,  
Ranchi

Signature of Tenderer

Name (in block letters) : \_\_\_\_\_

Capacity in which tenderer is signed : \_\_\_\_\_

Address in full : \_\_\_\_\_

Dated : \_\_\_\_\_ Seal \_\_\_\_\_

Technical specification as under :-

### LAMINAR AIR FLOW SYSTEM

The ceiling filtration system should be designed to ensure unidirectional distribution of sterile air of the surgical theatre to ensure the cleanliness of all the area covered by the air flow.

The Laminar flow system should comprise of thick extruded aluminum profiles frame and sealed gasket. The filters installed in the plenum should be suitable for application for laminar flow and clean rooms. These filters should meet following specification. Separators : continuous thermo plastic chord Sealant : Polyurethane Gasket : One piece polyurethane MPPS average efficiency: > 99.95% 3 Micron DOP efficiency > 99.99% Final Pressure drop : 600 pa(max) Maximum Operating Temp : 60 degree Celsius Maximum RH : 40-50 %

The ceiling system should be equipped with "H 14" class HEPA filters position in the ceiling to achieve 0.25m/sec flow.

The complete filtration ceiling system should be factory assembled. Its holding structure, Filter frames and top plenum should be made of Aluminium

The filtration ceiling system should have flow equalizer to achieve uniform & constant air distribution over the whole surface. It should also have connection for surgical lamp to be fitted in place of any filter.

The air management system should be designed to achieve class 100 with the following parameters: Bacteriological class =B (5 CFU/m<sup>3</sup>) Particle decontamination kinetics CP =5 min ISO 14644/1 classification = ISO 5 Third party validation by Govt. approved environment lab.

The positive pressure should be maintained inside the OT to prevent contamination due to air from outside the OT.

The supplier should provide test certificate for HEPA filter and laminar air flow systems from the original manufactures.

Should be CE certified.

  
Director  
Rajendra Institute of Medical Sciences,  
Ranchi

  
12/03/16   
12-3-16