

RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI

Final Tender paper for preparation of DPR for handling Bio-Medical waste under Ranchi Municipal Corporation, Ranchi & for Supply of Refrigerator at RIMS, Ranchi.

Re-Tender Notice No. RIMS/Store/ME(4) 1713 dated 19.03.2016

Issued to

M/s _____

Against money receipt number/RIMS, dated :

Cashier
RIMS, Ranchi

Invitation of tender notice for (i) DPR preparation for disposal of biomedical waste under Ranchi Municipal Corporation, Ranchi & (ii) Supply & Installation of Refrigerator at RIMS, Ranchi.

To,

M/s _____

Dear Sir,

Director, Rajendra Institute of Medical Sciences, Ranchi invites you to tender for (i) DPR preparation for disposal of biomedical waste under Ranchi Municipal Corporation, Ranchi & (ii) Supply & Installation of Refrigerator 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 -- 04.05.2016 (upto 4:30 p.m).
by registered posts / speed post only,

Date for opening technical bid – 05.05.2016 at 12:30 p.m.

Note : The separate list & specification sheets are enclosed with this tender document. The bidders have to pay separate tender document fee Rs. 5,000.00 for Sl.No. (i) & Rs. 2,000.00 for Sl. No. (ii)

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

The terms and conditions mentioned in re-tender notice no. RIMS/Store/ME(4) 1713 dated 19.03.2016

1. The tender should be submitted in duplicate complete with specification, literature, leaflet along with catalogues etc. leaving no room for back references.
2. 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.

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

A. Technical Specification Proforma for refrigerator.

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)

Full signature of the tenderer with seal
Designation :
Dated :

4. **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. Rate for essential civil, electrical works & furnitures for smooth running & installation of the machine. (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.

5. 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 st Year	
2 nd Year	
3 rd Year	
4 th Year	
5 th 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, pipes, boiler, electrical switches, lights & other accessories (if any) will be supplied & installed by the bidders without charging any extra cost under warranty & C.M.C.

6. For preparation of DPR for Bio-Medical waste disposal under Ranchi Municipal Corporation area, the bidders have to give their own Technical bid proforma and details according to their preparation. Accordingly they have to offer their price bids (**but Technical bid and Price bid should be sealed in two separate envelopes prescribing “technical bid” / “price bid”**).

Full signature of the
tenderer with seal

Name
(in capital letters)

Designation

7. List & specifications of equipments :- Department wise separate list is enclosed herewith this tender documents. All the bidders have to get it confirmed at the time of purchase of tender documents.
8. The tenderers have to mention clearly the names and technical specifications of the relevant accessories which they will supply along with the main equipment, free of cost in their price bid.
9. The price should be inclusive packing, carriage & installation cost.
10. The total cost of each equipments should be quoted in figures and words.
11. The price quoted should be valid for at least two years from the date of opening of tender.
12. 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.
13. 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.”
14. The tenderer should furnish the warranty / guarantee period of the complete system.
15. The tender without EMD will be ignored straightway.
16. Incomplete tender will be summarily rejected.
17. 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.
18. The full EMD shall be forfeited in case of backing out of the offer after acceptance.
19. 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

Sd/-

Director

Rajendra Institute of Medical Sciences
Ranchi

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.

Note: The bidders for preparation of DPR for Bio-Medical Waste handling system under Ranchi Municipal Corporation, Ranchi have to prepare the DPR within 90 (Ninety) days from the date of issue of work order. Failing which the above penalty clause shall be implemented on them also.

20. The bidders for refrigerator have to do the essential turnkey jobs.

Full signature of the tenderer
With seal and date
Designation.

21. 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 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".	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). Not mandatory for the bidders for preparation of DPR.		
	(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 Director, Rajendra Institute of Medical Sciences, Ranchi – (1) For DPR Preparation of Bio-waste – Rs. 1,00,000.00 (2) For Refrigerator – Rs. 20,000.00	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.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	Yes or No	On Page No.

	<p>case pending against him/supplier (Principal)</p> <p>(c) That the firm is not supplying the same item / doing the similar job at lower rate quoted in this tender to any government organization or any other institute”.</p> <p>(d) That the firm shall supply the consumables & accessories required to run the machine uninterruptedly during warranty & CMC period.</p>		
7.	Technical specifications with catalogue & dimensions of equipment, accessories & details of turnkey works. The bidders of Bio-Medical Waste DPR preparation have to give their line diagram / Plan chart / Graphical representation & Other technical requirements in their DPR as per their projects.	Yes or No	On Page No.
8.	I.T. return certificate & balance sheet of the bidders for last three financial years.	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. For Lead apron only warranty will be considered it does not require CMC. For DPR Preparation no guarantee or CMC is required.	Yes or No	On Page No. ...
10.	The bidders of Biomedical waste disposal DPR have to give an undertaking that they shall follow all the CPCB norms and guidelines in preparation of the DPR as well as they shall strictly follow the “Bio Medical Waste Management Rules 2016” of Ministry of Environment, Forest and Climate Change, Government of India notification dated 28.03.2016	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 RIMS 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 tender 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 super scribing 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 fulfillment 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 adequate 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 super scribed. 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/ME(4) / 1713 dated 19.03.2016 for item / work.....

Date & time of opening : 05.05.2016 at 12.30 P.M.

Director
Rajendra Institute of Medical Sciences,
Ranchi

Signature of Tenderer
Name (in block letters) : _____
Capacity in which tenderer is signed : _____

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

Re-Tender notice no. RIMS/Stores/ME(4)/ 1713 Dated 19.03.2016

NOTICE INVITING RE-TENDER
FOR PREPARATION OF DPR FOR BIO-MEDICAL WASTE DISPOSAL SYSTEM UNDER RANCHI MUNICIPAL CORPORATION,
RANCHI

Due to non participation of any bidder in the previously invited tender notice no. 145 dated 09.01.2016 for preparation of DPR for Biomedical waste handling & disposal system under Ranchi Municipal Corporation, Ranchi and for Supply & Installation of Refrigerator at RIMS is being cancelled and tenders are being re-invited through sealed offers in two bid system (Technical bid & Price Bid) by speed post / Registered post only, from the capable agencies or original equipment manufacturer or authorized dealer for **(i) preparation of DPR for Biomedical Waste Disposal system of Ranchi Municipal Corporation area & (ii) Supply & installation of Refrigerator at RIMS, Ranchi.** Tenders will not be accepted by hand or any other agency.

A. Important dates for Tenders		
1.	Pre bid meeting for discussion on various technical issues	On 06.04.2016 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 : 12.04.2016 to 03.05.2016 (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 for each tender paper with their technical bid. (1) For Preparation of DPR for Biomedical waste disposal plant of Ranchi Municipal Corporation – Rs. 5000.00 (2) For Refrigerator - Rs. 2000.00
3.	Last date of submission of sealed tender documents (Only by speed post / Registered post)	On 04.05.2016 till 04.30 P.M
4.	Opening of technical bid & discussion on technical issues.	On 05.05.2016 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 from 29.03.2016 for sample tender paper to attend the pre-bid meeting.

2. Final Tender paper will be uploaded on 12.04.2016 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 In-charge, 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 :

- Photocopy of JVAT (Sales tax) Registration certificate in Jharkhand State
- 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 DPR Preparation of Bio-waste – Rs. 1,00,000.00
 - (2) For Refrigerator – Rs. 20,000.00
- (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.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 or doing the same item or work 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 **(Not necessary for the bidders of DPR preparation).**
- (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 **(Not necessary for the bidders of DPR preparation).**
- (viii) I.T. return certificate & 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 **(Not necessary for the bidders of DPR preparation).**
- (x) The bidders of DPR preparation must give an undertaking that they shall prepare and submit the DPR within 90 days from the date of receipt of confirm order.
- (xi) The bidders of Biomedical waste disposal DPR have to give an undertaking that they shall follow all the CPCB norms and guidelines in preparation of the DPR as well as they shall strictly follow the “Bio Medical Waste Management Rules 2016” of Ministry of Environment, Forest and Climate Change, Government of India notification dated 28.03.2016.
- (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**
 - (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 whichever 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.

(1) For DPR Preparation of Biowaste –

Technical offer of the bidders should be in the proforma / format given below :

Technical Offer Proforma : To be filled after survey by the bidders (no manipulation should be entered). If found fake entry or shortage or missing of the medical centres then penalty will be implemented on the bidders. It may be in the form of monetary deduction of payments or in the worst case the order may get cancelled and EMD will be forfeited.

Proforma

Ward No	Name of Mohalla or Village	Name of Gali or Street	Sl. No	Name and address of Medical Centre	In case of Institute or Hospital or Nursing Homes no of indoor patients bed	Category (As per govt. norms) wise average calculation of approx. Bio Medical waste generated per day in Kg / Ltrs.					Remarks of the Surveyor if any
						Yellow bags cat. 1,2,3 & 6	Red bag cat. 3,6 & 7	Blue bag cat. 4 & 7	Black bag cat. 5,9 & 10	Liquid / Chemicals cat. 8	
e.g. RMC Ward No. 6	e.g. Morabadi Harihar Singh Road	e.g. Jatra Maidan Gali	1	e.g. M/s Krishnan Lab, 1st Fl. No.6 Tripti Mension	e.g. 50 Beds	e.g. 2 Kg	e.g. 5 Kg	e.g. 8 Kg	e.g. 10 Kg	In Ltrs.	e.g. It is a pathological & radiological centre

Note : The bidders have to fill the format as per examples given above.

Full signature of the tenderer with seal

Designation :

Dated :

GUIDELINES FOR BIOMEDICAL WASTE MANAGEMENT AS PER “BIO-MEDICAL WASTE MANAGEMENT RULES 2016” to be followed during preparation of DPR :-

Biomedical wastes categories and their segregation, collection, treatment, processing and disposal options

Category	Type of Waste	Type of Bag or Container to be used	Treatment and Disposal options
(1)	(2)	(3)	(4)
	<p>(a) Human Anatomical Waste: Human tissues, organs, body parts and fetus below the viability period (as per the Medical Termination of Pregnancy Act 1971, amended from time to time).</p>	Yellow coloured non-chlorinated plastic bags	Incineration or Plasma Pyrolysis or deep burial
	<p>(b) Animal Anatomical Waste : Experimental animal carcasses, body parts, organs, tissues, including the waste generated from animals used in experiments or testing in veterinary hospitals or colleges or animal houses.</p>		
	<p>(c) Solid Waste : Items contaminated with blood, body fluids like dressing, plaster casts, cotton swabs and bags containing residual or discarded blood and blood components.</p>		<p>Incineration or Plasma Pyrolysis or deep burial*</p> <p>In absence of above facilities, autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent for energy recovery</p>
	<p>(d) Expired or Discarded Medicines: Pharmaceutical waste like antibiotics, cytotoxic drugs including all items contaminated with cytotoxic drugs along with glass or plastic ampoules, vials etc.</p>	Yellow coloured non-chlorinated plastic bags or containers	<p>Expired cytotoxic drugs and items contaminated with cytotoxic drugs to be returned back to the manufacturer or supplier for incineration at temperature >1200 OC or to common bio-medical waste treatment facility or hazardous waste treatment, storage and disposal facility for incineration at >12000C Or Encapsulation or Plasma Pyrolysis at >12000C.</p> <p>All other discarded medicines shall be either sent back to manufacturer or disposed by incineration.</p>
	<p>(e) Chemical Waste: Chemicals used in production of biological and used or discarded disinfectants.</p>	Yellow coloured containers or non-chlorinated plastic bags	Disposed of by incineration or Plasma Pyrolysis or Encapsulation in hazardous waste treatment, storage and disposal facility.
	(f) Chemical Liquid	Separate	After resource recovery, the

	<p>Waste : Liquid waste generated due to use of chemicals in production of biological and used or discarded disinfectants, Silver X-ray film developing liquid, discarded Formalin, infected secretions, aspirated body fluids, liquid from laboratories and floor washings, cleaning, house-keeping and disinfecting activities etc.</p>	collection system leading to effluent treatment system	chemical liquid waste shall be pre-treated before mixing with other wastewater. The combined discharge shall conform to the discharge norms given in Schedule-III.
	(g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	Non-chlorinated yellow plastic bags or suitable packing material	Non- chlorinated chemical disinfection followed by incineration or Plazma Pyrolysis or for energy recovery. In absence of above facilities, shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent for energy recovery or incineration or Plazma Pyrolysis.
	<p>(h) Microbiology, Biotechnology and other clinical laboratory waste: Blood bags, Laboratory cultures, stocks or specimens of microorganisms, live or attenuated vaccines, human and animal cell cultures used in research, industrial laboratories, production of biological, residual toxins, dishes and devices used for cultures.</p>	Autoclave safe plastic bags or containers	Pre-treat to sterilize with nonchlorinated chemicals on-site as per National AIDS Control Organisation or World Health Organisation guidelines thereafter for Incineration.
Red	<p>Contaminated Waste (Recyclable) (a) Wastes generated from disposable items such as tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes (without needles and <i>fixed needle syringes</i>) and</p>	Red coloured non-chlorinated plastic bags or containers	Autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent to registered or authorized recyclers or for energy recovery or plastics to diesel or fuel oil or for road making, whichever is

	vaccutainers with their needles cut) and gloves.		possible. Plastic waste should not be sent to landfill sites.
White (Translucent)	Waste sharps including Metals: Needles, syringes with fixed needles, needles from needle tip cutter or burner, scalpels, blades, or any other contaminated sharp object that may cause puncture and cuts. This includes both used, discarded and contaminated metal sharps	Puncture proof, Leak proof, tamper proof containers	Autoclaving or Dry Heat Sterilization followed by shredding or mutilation or encapsulation in metal container or cement concrete; combination of shredding cum autoclaving; and sent for final disposal to iron foundries (having consent to operate from the State Pollution Control Boards or Pollution Control Committees) or sanitary landfill or designated concrete waste sharp pit.
Blue	(a) Glassware: Broken or discarded and contaminated glass including medicine vials and ampoules except those contaminated with cytotoxic wastes.	Cardboard boxes with blue colored marking	Disinfection (by soaking the washed glass waste after cleaning with detergent and Sodium Hypochlorite treatment) or through autoclaving or microwaving or hydroclaving and then sent for recycling.
	(b) Metallic Body Implants	Cardboard boxes with blue colored marking	

***Disposal by deep burial is permitted only in rural or remote areas where there is no access to common bio-medical waste treatment facility. This will be carried out with prior approval from the prescribed authority and as per the Standards specified in Schedule-III. The deep burial facility shall be located as per the provisions and guidelines issued by Central Pollution Control Board from time to time.**

Part -2

- (1) All plastic bags shall be as per BIS standards as and when published, till then the prevailing Plastic Waste Management Rules shall be applicable.
- (2) Chemical treatment using at least 10% Sodium Hypochlorite having 30% residual chlorine for twenty minutes or any other equivalent chemical reagent that should demonstrate $\text{Log}_{10}4$ reduction efficiency for microorganisms as given in Schedule- III.
- (3) Mutilation or shredding must be to an extent to prevent unauthorized reuse.
- (4) There will be no chemical pretreatment before incineration, except for microbiological, lab and highly infectious waste.
- (5) Incineration ash (ash from incineration of any bio-medical waste) shall be disposed through hazardous waste treatment, storage and disposal facility, if toxic or hazardous constituents are present beyond the prescribed limits as given in the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 or as revised from time to time.
- (6) Dead Fetus below the viability period (as per the Medical Termination of Pregnancy Act 1971, amended from time to time) can be considered as human anatomical waste. Such waste should be handed over to the operator of common bio-medical waste treatment and disposal facility in yellow bag with a copy of the official Medical Termination of Pregnancy certificate from the Obstetrician

or the Medical Superintendent of hospital or healthcare establishment.

(7) Cytotoxic drug vials shall not be handed over to unauthorised person under any circumstances. These shall be sent back to the manufactures for necessary disposal at a single point. As a second option, these may be sent for incineration at common bio-medical waste treatment and disposal facility or TSDFs or plasma pyrolysis at temperature >1200 °C.

(8) Residual or discarded chemical wastes, used or discarded disinfectants and chemical sludge can be disposed at hazardous waste treatment, storage and disposal facility. In such case, the waste should be sent to hazardous waste treatment, storage and disposal facility through operator of common bio-medical waste treatment and disposal facility only.

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(9) On-site pre-treatment of laboratory waste, microbiological waste, blood samples, blood bags should be disinfected or sterilized as per the Guidelines of World Health Organisation or National AIDS Control Organisation and then given to the common bio-medical waste treatment and disposal facility.

(10) Installation of in-house incinerator is not allowed. However in case there is no common biomedical facility nearby, the same may be installed by the occupier after taking authorisation from the State Pollution Control Board.

(11) Syringes should be either mutilated or needles should be cut and or stored in tamper proof, leak proof and puncture proof containers for sharps storage. Wherever the occupier is not linked to a disposal facility it shall be the responsibility of the occupier to sterilize and dispose in the manner prescribed.

(12) Bio-medical waste generated in households during healthcare activities shall be segregated as per these rules and handed over in separate bags or containers to municipal waste collectors. Urban Local Bodies shall have tie up with the common bio-medical waste treatment and disposal facility to pickup this waste from the Material Recovery Facility (MRF) or from the house hold directly, for final disposal in the manner as prescribed in this Schedule.

SCHEDULE II
[See rule 4(t), 7(1) and 7(6)]
STANDARDS FOR TREATMENT AND DISPOSAL OF
BIO-MEDICAL WASTES

1. STANDARDS FOR INCINERATION.-

2.

All incinerators shall meet the following operating and emission standards-

A. Operating Standards

1). Combustion efficiency (CE) shall be at least 99.00%.

2). The Combustion efficiency is computed as follows:

$$\text{C.E.} = \frac{\% \text{CO}_2}{\% \text{CO}_2 + \% \text{CO}} \times 100$$

3). The temperature of the primary chamber shall be a minimum of 800 °C and the secondary chamber shall be minimum of 1050°C + or - 50°C.

4). The secondary chamber gas residence time shall be at least two seconds.

B. Emission Standards

Sl. No.	Parameters	Standard	
		3	4
1	2	Limiting concentration in mg Nm³ unless stated	Sampling Duration in minutes, unless stated
1	Particulate matter	50	30 or 1NM ³ of sample volume, whichever is more
2	Nitrogen Oxides NO and NO ₂ expressed asNO ₂	400	30 for online sampling or grab sample
3	HCl	50	30 or 1NM ³ of sample volume, whichever is more
4	Total Dioxins and Furans	0.1 ng TEQ/Nm ³ (at 11% O ₂)	8 hours or 5NM ³ of sample volume, whichever is more
5	Hg and its compounds	0.05	2 hours or 1NM ³ of sample volume, whichever is more

C. Stack Height: Minimum stack height shall be 30 meters above the ground and shall be attached with the necessary monitoring facilities as per requirement of monitoring of 'general parameters' as notified under the Environment (Protection) Act, 1986 and in accordance with the Central Pollution Control Board Guidelines of Emission Regulation Part-III.

Note:

- (a) The existing incinerators shall comply with the above within a period of two years from the date of the notification.
- (b) The existing incinerators shall comply with the standards for Dioxins and Furans of 0.1ngTEQ/Nm³, as given below within two years from the date of commencement of these rules.
- (c) All upcoming common bio-medical waste treatment facilities having incineration facility or captive incinerator shall comply with standards for Dioxins and Furans.
- (d) The existing secondary combustion chambers of the incinerator and the pollution control devices shall be suitably retrofitted, if necessary, to achieve the emission limits.
- (e) Wastes to be incinerator.

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- (h) The occupier or operator of a common bio-medical waste treatment facility shall monitor the stack gaseous emissions (under optimum capacity of the incinerator) once in three months through a laboratory approved under the Environment (Protection) Act, 1986 and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring should be done once in a year.
- (i) The occupier or operator of the common bio-medical waste treatment facility shall install continuous emission monitoring system for the parameters as stipulated by State Pollution Control Board or Pollution Control Committees in authorisation and transmit the data real time to the servers at State Pollution Control Board or Pollution Control Committees and Central Pollution Control Board.
- (j) All monitored values shall be corrected to 11% Oxygen on dry basis.
- (k) Incinerators (combustion chambers) shall be operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon content in the slag and bottom ashes less than 3% or their loss on ignition shall be less than 5% of the dry weight.
- (l) The occupier or operator of a common bio-medical waste incinerator shall use combustion gas analyzer to measure CO₂, CO and O₂.

2. Operating and Emission Standards for Disposal by Plasma Pyrolysis or Gasification:

A. Operating Standards:

All the operators of the Plasma Pyrolysis or Gasification shall meet the following operating and emission standards:

- 1) Combustion Efficiency (CE) shall be at least 99.99%.
- 2) The Combustion Efficiency is computed as follows.

$$C.E = \frac{\% CO_2}{(\% CO_2 + \% CO)} \times 100$$

- 3) The temperature of the combustion chamber after plasma gasification shall be 1050 ± 50 °C with gas residence time of at least 2(two) second, with minimum 3 % Oxygen in the stack gas.
- 4) The Stack height should be minimum of 30 m above ground level and shall be attached with the necessary monitoring facilities as per requirement of monitoring of 'general parameters' as notified under the Environment (Protection) Act, 1986 and in accordance with the CPCB Guidelines of Emission Regulation Part-III.

B. Air Emission Standards and Air Pollution Control Measures

(i) Emission standards for incinerator, notified at SI No.1 above in this Schedule, and revised from time to time, shall be applicable for the Plasma Pyrolysis or Gasification also.

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- (ii) Suitably designed air pollution control devices shall be installed or retrofitted with the 'Plasma Pyrolysis or Gasification to achieve the above emission limits, if necessary.
- (iii) Wastes to be treated using Plasma Pyrolysis or Gasification shall not be chemically treated with any chlorinated disinfectants and chlorinated plastics shall not be treated in the system.

C. Disposal of Ash Vitrified Material: The ash or vitrified material generated from the 'Plasma Pyrolysis or Gasification shall be disposed off in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008 and revisions made thereafter in case the constituents exceed the limits prescribed under Schedule II of the said Rules or else in accordance with the provisions of the Environment (Protection) Act, 1986, whichever is applicable.

3. STANDARDS FOR AUTOCLAVING OF BIO-MEDICAL WASTE.-

The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste.

- (1) When operating a gravity flow autoclave, medical waste shall be subjected to:
 - (i) a temperature of not less than 121° C and pressure of 15 pounds per square inch (psi) for an autoclave residence time of not less than 60 minutes; or
 - (ii) a temperature of not less than 135° C and a pressure of 31 psi for an autoclave residence time of not less than 45 minutes; or
 - (iii) a temperature of not less than 149° C and a pressure of 52 psi for an autoclave residence time of not less than 30 minutes.
- (2) When operating a vacuum autoclave, medical waste shall be subjected to a minimum of three pre-vacuum pulse to purge the autoclave of all air. The air removed during the pre-vacuum, cycle should be decontaminated by means of HEPA and activated carbon filtration, steam treatment, or any other method to prevent release of pathogen. The waste shall be subjected to the following:
 - (i) a temperature of not less than 121°C and pressure of 15 psi per an autoclave residence time of not less than 45 minutes; or
 - (ii) a temperature of not less than 135°C and a pressure of 31 psi for an autoclave residence time of not less than 30 minutes;
- (3) Medical waste shall not be considered as properly treated unless the time, temperature and pressure indicators indicate that the required time, temperature and pressure were reached during the autoclave process. If for any reasons, time temperature or pressure indicator indicates that the required temperature, pressure or residence time was not reached, the entire load of medical waste must be autoclaved again until the proper temperature, pressure and residence time were achieved.

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(4) **Recording of operational parameters:** Each autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle.

(5) **Validation test for autoclave:** The validation test shall use four biological indicator strips, one shall be used as a control and left at room temperature, and three shall be placed in the approximate center of three containers with the waste. Personal protective equipment (gloves, face mask and coveralls) shall be used when opening containers for the purpose of placing the biological indicators. At least one of the containers with a biological indicator should be placed in the most difficult location for steam to penetrate, generally the bottom center of the waste pile. The occupier or operator shall conduct this test three consecutive times to define the minimum operating conditions. The temperature, pressure and residence time at which all biological indicator vials or strips for three consecutive tests show complete inactivation of the spores shall define the minimum operating conditions for the autoclave. After determining the minimum temperature, pressure and residence time, the occupier or operator of a common biomedical waste treatment facility shall conduct this test once in three months and records in this regard shall be maintained.

(6) **Routine Test:** A chemical indicator strip or tape that changes colour when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste package at different locations to ensure that the inner content of the package has been adequately autoclaved. The occupier or operator of a common bio medical waste treatment facility shall conduct this test during autoclaving of each batch and records in this regard shall be maintained.

(7) **Spore testing:** The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave unit. Biological indicator for autoclave shall be *Geobacillusstearothermophilus* spores using vials or spore Strips; with at least 1×10^6 spores. Under no circumstances will an autoclave have minimum operating parameters less than a residence time of 30 minutes, a temperature less than 121°C or a pressure less than 15 psi. The occupier or operator of a common bio medical waste treatment and disposal facility shall conduct this test at least once in every week and records in this regard shall be maintained.

4. STANDARDS OF MICROWAVING.-

(1) Microwave treatment shall not be used for cytotoxic, hazardous or radioactive wastes, contaminated animal carcasses, body parts and large metal items.

(2) The microwave system shall comply with the efficacy test or routine tests and a performance guarantee may be provided by the supplier before operation of the limit.

(3) The microwave should completely and consistently kill the bacteria and other pathogenic organisms that are ensured by approved biological indicator at the maximum design capacity of each microwave unit. Biological indicators for microwave shall be *Bacillus atrophaeus* spores using vials or spore strips with at least 1×10^4 spores per detachable strip. The biological indicator shall be placed with waste and exposed to same conditions as the waste during a normal treatment cycle.

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5. **STANDARDS FOR DEEP BURIAL.-** (1) A pit or trench should be dug about two meters deep. It should be half filled with waste, then covered with lime within 50 cm of the surface, before filling the rest of the pit with soil.

(2) It must be ensured that animals do not have any access to burial sites. Covers of galvanised iron or wire meshes may be used.

(3) On each occasion, when wastes are added to the pit, a layer of 10 cm of soil shall be added to cover the wastes.

(4) Burial must be performed under close and dedicated supervision.

(5) The deep burial site should be relatively impermeable and no shallow well should be close to the site.

(6) The pits should be distant from habitation, and located so as to ensure that no contamination occurs to surface water or ground water. The area should not be prone to flooding or erosion.

(7) The location of the deep burial site shall be authorised by the prescribed authority.

(8) The institution shall maintain a record of all pits used for deep burial.

(9) The ground water table level should be a minimum of six meters below the lower level of deep burial pit.

6. STANDARDS FOR EFFICACY OF CHEMICAL DISINFECTION

Microbial inactivation efficacy is equated to "Log₁₀ kill" which is defined as the difference

between the logarithms of number of test microorganisms before and after chemical treatment. Chemical disinfection methods shall demonstrate a 4 Log₁₀ reduction or greater for Bacillus Subtilis (ATCC 19659) in chemical treatment systems.

7. STANDARDS FOR DRY HEAT STERILIZATION

Waste sharps can be treated by dry heat sterilization at a temperature not less than 185°C, at least for a residence period of 150 minutes in each cycle, which sterilization period of 90 minutes. There should be automatic recording system to monitor operating parameters.

(i) Validation test for Sharps sterilization unit

Waste sharps sterilization unit should completely and consistently kill the biological indicator Geobacillus Stearothermophilus or Bacillus Atropheausspoers using vials with at least log₁₀ 6 spores per ml. The test shall be carried out once in three months

(ii) Routine test

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A chemical indicator strip or tape that changes colour when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste to ensure that the inner content of the sharps has been adequately disinfected. This test shall be performed once in week and records in this regard shall be maintained.

8. STANDARDS FOR LIQUID WASTE.-

(1) The effluent generated or treated from the premises of occupier or operator of a common bio medical waste treatment and disposal facility, before discharge into the sewer should conform to the following limits-

PARAMETERS	PERMISSIBLE LIMITS
pH	6.5-9.0
Suspended solids	100 mg/l
Oil and grease	10 mg/l
BOD	30 mg/l
COD	250 mg/l
Bio-assay test	90% survival of fish after 96 hours in 100% effluent.

(2) Sludge from Effluent Treatment Plant shall be given to common bio-medical waste treatment facility for incineration or to hazardous waste treatment, storage and disposal facility for disposal.

5. Price Bid Proforma :

The bidders have to quote their prices in their own format for complete job of preparation and submission of DPR within stipulated time frame.

Total price offer for job completion Rs. (in words Rs.)

Full signature of the tenderer with seal & date

- 6. The full EMD shall be forfeited in case of backing out of the offer after acceptance.
- 7. The bidders have to provide Ward wise, Mohalla wise and Street wise (Gali wise) list of all the private & government dispensaries, clinics, hospitals, Medical Laboratories, Blood Bank, Health Centres, Nursing Homes, Medical Institute etc.

8. As proof of the actual survey done for submitting the bids, the bidders have to enclose or submit soft copy in which the photographs of the situated medical centres (as mentioned in para(i) must be present with their name so that it may be uploaded on the government website for public information
9. The name and address of the centres under surveyed works must be written firstly gali wise (i.e. all the centres situated in the particular gali or street must be at one place), then all the street or galies of a particular mohalla must be shown at one place in such a manner that if any one wants to click a particular medical shop or centre in a particular gali of mohalla or ward, it must be present nthe list of that very areas report in one click.
10. The bidders have to complete the full job and have to submit the DPR within 90 days from the date of issue of the confirmed work order failing which i.e. in case of late submission of the DPR, penalty will be charged on the bidder as per norms mentioned hereunder :-
 - j. After 07 days (one week) from stipulated date of DPR submission - @0.5% (point five percent) per week of total contract value upto 04 weeks
 - v. After 04 weeks @1% (One percent) of contract value per week upto 08 weeks
 - vi. After 08 weeks @2.0% (Two percent) of contract value per week upto 12 weeks.
 - vii. After 12 weeks the security money & EMD will be forfeited by RIMS and the bidder will be debarred / black listed for further participations.
11. After survey for calculation of waste generation, the bidders also have to calculate the means & mode of on spot segregation, medical waste collection and safe transportation from site to the disposal plant yard.
12. Simultaneously they have to calculate the average number & models of vehicle (such as covered three wheelers or four wheelers or heavy vehicles) in a sequence so that the medical waste may be transported from narrow streets to the disposal yard at Jhiri, Ranchi.
13. The bidders also have to calculate or provide the names, specification, number, capacity etc. of equipment (such as Diesel incinerators, Shredders, heavy duty autoclaves, covered trolley etc.) required for disposal of the whole generated medical wastes. During calculation & estimation of the required equipments, it must be considered that if incase there occurs any break down in any of the required listed equipment then an alternate arrangement for disposal of the medical wastes must be there. The assessment of equipments must be as per need of pollution Control Board norms. Simultaneously they have to provide the average / approximate estimates of each of the equipment.
14. They also have to assess or estimate the approximate annual running cost required (such as fuel, manpower, consumables like - carry bags, dust bins, collection bins, gloves shoes etc. for labourers, other handling small equipments for the working etc.) for the complete job.
15. The bidders also have to provider or suggest the line of action plan for successful implementation of the complete disposal process.
16. The bidders have to collect the documents related to ward wise area from Ranchi Municipal Corporation office by their own or they may download it from government web site.

(2) For Refrigerator –

1. 180-200 ltr capacity refrigerator with voltage stabilizer and foot stand.
2. 250-300 ltr capacity refrigerator with voltage stabilizer and foot stand.
3. 350-400 ltr capacity refrigerator with voltage stabilizer and foot stand.

Note : Minimum comprehensive warranty of the refrigerator should be 5 years.

Director
Rajendra Institute of Medical Sciences,
Ranchi

Memo No. RIMS/Stores(ME-4)...../Ranchi dated

Copy to : The Principal Secretary, Department of Health, Medical Education & Family Welfare, Government of Jharkhand, Ranch for information.

Copy to : The Municipal Commissioner, Ranchi municipal corporation, Ranchi for information & necessary action.

Copy to : The Secretary, State Pollution Control Board, Dhurwa, Ranchi for information & necessary action.

Copy to : The Medical Superintendent / HODs - Paediatrics / Obst. & Gynaecology / Medicine / Surgery / Pathology / Anaesthesiology / Skin & STD / Neurosurgery / ENT / Dental Surgery / Orthopaedics / Radiology / Cardiology / Incharge officer – Blood Bank / Central Emergency / PSM for information & necessary action.

Copy to : Medical Officer (Stores) / Office Superintendent / Assistant Cashier / Director Cell for information & necessary action.

Director
Rajendra Institute of Medical Sciences,
Ranchi