

SUPERINTENDENT SCB MCH-CUTTACK

(HEALTH & F.W. DEPTT., GOVT. OF ODISHA)

(website: at www.scbmch.in.)

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Tender Reference No. SCBMCH/BMW/2021-21/

TENDER DOCUMENT FOR SUPPLY & INSTALLATION OF EQUIPMENT FOR BIOMEDICALWASTE MANEGEMENT UNIT

OFFICE OF THE SUPERINTENDENT, SCB MEDICAL COLLEGE & HOSPITAL-
CUTTACK, ODISHA

SECTION -I

NOTICE INVITING TENDER

Tender Reference No. : . SCBMCH/BMW/2021-21/005

Dated:

TENDERS ARE INVITED FROM ELIGIBLE BIDDERS AS PER THE ELIGIBILITY CRITERIA FOR SUPPLY & INSTALLATION OF BMW EQUIPMENT.

1	Period of Availability of Tender Document	From 25.02.2021 to 15.03.2021 (Downloadable from website: www.scbmch.in) In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the above mentioned website before last date of submission of tender document and the tender inviting authority shall have no responsibility for any delay / omission on part of the bidder.
2	Date, time & place of Pre-bid meeting	Date : 10.03.2021 Time : 11.30 AM Place : OFFICE OF THE SUPERINTENDENT SCBMCH-CUTTACK
3	Last date & time for submission of Tender	Date: 18.03.2021 up to 5 PM Address of Submission of Bid: OFFICE OF THE SUPERINTENDENT SCBMCH-Manglabag, Cuttack- 753007 <i>(Through Speed post / Registered post / Courier)</i>
4	Date, time and place of opening of Tender	a) Technical Bid (Cover A) opening 20.03.2021 12:30 PM at the address mentioned above. b) Financial Bid (Cover B): <i>The date of opening of financial bid will be intimated to the firms found successful in the technical bid evaluation.</i> (Venue is mentioned at the address mentioned above) (Bidders / authorized representative may remain present at the time of opening of bid)
5	Validity of bid	Bids should be valid for a minimum period of 180 days from the date of opening of technical bid for the purpose of bid evaluation/ finalization of rate. The approved rates shall be valid for a period of one year from the date of approval of the rate .

SECTION -II

IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS

1.	Mode of Procurement	Through National Competitive Bidding Process. The O/o Superintendent, SCB MCH, Cuttack shall invite tender & evaluate the same. After finalization /approval of the supplier & the rate, the purchase order shall be placed by the Superintendent, SCB MCH, Cuttack.		
2.	Purchaser	SUPERINTENDENT ,SCBMCH -CUTTACK		
3.	Consignee	SUPERINTENDENT, SCB MCH, CUTTACK		
4.	Delivery Period	Within 30 dyasfrom issue of the purchase order.		
5.	Mode of Delivery	By Air / Road / Rail		
6.	Guarantee / Warranty /CMC	Comprehensive warranty including all spares, maintenance etc. for a period 3(<i>three</i>) years from the date of installation & commissioning and 3(<i>three</i>) years CMC after warranty period.		
7.	Tender Document Cost	Rs.2,000/- . The tender document cost is to be submitted in the shape of bank draft in favour of the superintendent SCBMCH,Cuttack from any Nationalised / Scheduled Bank payable at Cuttack or Deposit of Rs. 2000/- in Accounts Section of this hospital on all working days between the scheduled period.		
8.	Earnest Money Deposit (EMD) (The approx. no. of equipment is mentioned in the Schedule of requirement – Section IV)	Sl.	Name of Equipment	EMD (Rs.)
		1	Incinerator for Biomedical waste	100000
		2	Biomedical waste shredder	20000
		<i>Note: The bidder may quote for any or all the equipment by submitting the required EMD for that equipment.</i> The Earnest Money Deposit will be paid in the shape of demand Draft only in favor of SUPERINTENDENT-SCBMCH,CUTTACK from any Nationalised / Scheduled Bank payable at CUTTACK EMD exemption is not permitted except to local SSI units registered in Odisha only as mentioned in Section – III Clause 23.5		
9.	Performance Security	The selected firm should submit the performance security in shape of Bank Draft /Bank Guarantee, equal to the amount of 10 % of the purchase order value (excluding GST & CMC cost) of the items within 21 days of issue of the purchase order & the same will be returned back after completion of warranty period		
10.	Pre-qualification (Eligibility Criteria)	Detail eligibility criteria is mentioned at Clause 2.1, 2.2 & 2.3 in Section -III		

SECTION -III

TERMS AND CONDITIONS FOR SUPPLY & INSTALLATION OF PHYSIOTHERAPY EQUIPMENTS

- 1.1 Sealed tenders will be received till 18.03.21 up to 5PM by the office of the SUPERINTENDENT SCBMCH CUTTACK. Any tender received after the due date & time will be rejected / returned to the sender unopened. **The tenders will be received through Regd. Post / Speed Post.**
- 1.2 Pre-bid conference shall be held in the office chamber of SUPERINTENDENT –SCBMCH on dt.10.03.2021 at 11:30 A.M. The prospective bidders may attend and clarify any doubts on the terms & conditions and technical specification of the bid document.
- 1.3 The bidder(s) are to submit their tenders in **separate** sealed covered envelopes for **technical bid** and **commercial bid** by superscribing **Cover “A” (Technical Bid) & Cover “B” (Price Bid)** and both the sealed covers should be put into a **third outer Cover**, which should be super scribed as “Tender for supply & installation of BMW Equipments” & Tender Reference No. _____.
- 1.4 The Sealed tenders “Cover A” (Technical Bid) submitted by the tenderers will be opened at the office of the SUPERINTENDENT, SCBMCH, Cuttack at 12.30 PM on 20.03.21. The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.

ELIGIBILITY CRITERIA

- 2.1 Manufacturing units / Importers are eligible to participate in the tender provided, they fulfill the following conditions:
 - (i) Manufacturing License in case of manufacturer.
 - (ii) Import License (In case of Importer only). In case of importers, they have to furnish the authorization from the manufacturer.
 - (iii) Valid ISO certificate (of the Manufacturer)
 - (iv) Product must be ISI/BIS /CE / US FDA etc. (valid ISI/BIS /CE /US FDA certificate) certified (As per **Section VI** - technical specification).

- (v) Tenderer should have proof of supply of (executed directly by manufacturer or through \importer /distributor) of the equipment mentioned in the schedule of requirement to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and purchase order copies in support of that in last 3 years. (As per format Annexure VII – (Itemwise))
- (vi) Proof of annual average turnover (Manufacturers/Importer) of Rs.2Crore **or more** in the last three (3) financial years certified by the Chartered Accountant as per the format at **Annexure VI. Supported by audited balance sheet.**
- (vii) Manufacturing unit who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization is not eligible to participate in the tender for that item during the period of blacklisting. Copies of stay order(s) if any against the blacklisting should be furnished along with the bid.
- (viii) **The manufacturer/ Importer are not allowed to quote alternative models neither alternative make for any of the item mentioned in the scheduled of requirement.**

2.2 Authorized distributors are eligible to participate in the tender provided:

- (i) They submit manufacturer's authorization from original equipment manufacturer (OEM) as per the format at **Annexure - V.**
- (ii) They should have Proof of Average annual turnover of **Rs.5 Crores or more** in last three (3) financial years as per Annexure VI. In addition to this, the distributor shall also submit the average annual turnover of the **manufacturer/importer** of the item(s) as mentioned in 2.1 (v) above. Supported with audited balance sheet.
- (iii) Proof of supply of the quoted item (s) (executed directly by manufacturer or through distributor) of the equipment(s)/similar equipments mentioned in the schedule of requirement to any Govt. organization /Corporate Hospitals / PSU Hospitals / UN Agencies and purchase order copies in support of that in last 3 years. (Annexure VII-Item wise)

(iv) The authorized distributor will submit the following documents in support of the manufacturer along with the tender:

a) Valid ISO certificate

b) CE / US FDA / IEC certificates of the manufacturer as per technical specification.

The Bidder have to submit their valid Sale Tax / GST certificate up to last Qtr of current financial year & PAN Card & Last 3 Assessment years I.T return for the year 2018-19 & 2019-20, 2020-21 Assessment year)

The Bidders are not allowed to quote alternative models neither alternative make for any of the item mentioned in the scheduled of requirement.

2.3 The tenderer have to submit the EMD(s) as mentioned in **Clause 8 of Section -II** & the Tender document cost.

DOCUMENTS TO BE SUBMITTED

The following documents should be enclosed in Cover “A” (Technical Bid) by the tenderer.

All the photocopies are to be attested by a Notary Public / Gazetted Officer.

TECHNICAL BID :

- 3.1 Checklist with detail of the documents enclosed in **Cover “A”** (as per **Annexure - I**) with **page number**. The documents should be *serially arranged* as per this **Annexure - I** and should be securely tied and bound.
- 3.2 List of Item (s) Quoted with name of the Make & Model of the item (s) (**Annexure – II**)
- 3.3 Tender document fee of Rs.2,000/- in shape of Demand Draft .
- 3.4 Earnest Money Deposit(s) as mentioned in the **Clause 8 of Section -II** in shape of Demand Draft). Details of EMD and the name of the equipment quoted should be clearly mentioned.

- 3.5 Details name, address, telephone no., Fax, e-mail of the manufacturer / authorized distributor / service centre / contract person / office in Odisha **(Annexure - III).**
- 3.6 The declaration form in **Annexure - IV** duly signed by the tenderer before Notary Public / Executive Magistrate.
- 3.7 Manufacturer's Authorization Format in **Annexure –V** (In case the bidder is not the manufacturer). Importers are also required to furnish the authorization from the manufacturer.
- 3.8 Certificate duly filled by the Auditor / Chartered Accountant (as per **Annexure –VI**) that the annual average turnover of the firm is Rs.5 Crore or more in last 3 financial years - for bidders who are **manufacturer/importer**) OR annual average turnover of Rs.5 Crore or more in the last 3 (three) financial years for bidders who are **authorized distributors of the manufacturer/Importer**). The authorized distributor shall **also** submit the annual average turnover of the Manufacturer/importer along with his own turnover.(balance sheet has to be attached along with the turnover certificate of both incase)
- 3.9 Performance Statement (**Annexure - VII**) (**Item wise**) during the last three years towards proof of supply of equipment to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies. The copy of Purchase orders and certificate from the user with **approval of State Pollution Control Board (SPCB)** should be furnished in support of the information provided in the performance statement (Item wise)
- 3.10 Deviation/No Deviation Statement from Technical Specification & details of technical specification of the product (**Annexure-VIIIA & B**)
- 3.11 Leaflet/Technical Brochures of the product/item offered.
- 3.12 Copy of Manufacturing License by the Manufacturer (in case of Manufacturer).
- 3.13 Copy of Import License by the Importer (in case of Importer).
- 3.14 Copy of Valid ISO certificate. As per Section V - Technical Specification).
- 3.15 Copy of Valid ISI / CE /US FDA certificate (as per Section V - Technical Specification).
- 3.16 Copy of the GST registration certificate.
- 3.17 The Original Tender Booklet with Conditions and the schedules signed by the tenderer at the bottom of each page with his official seal duly affixed.

- 3.18 Certificate in support of service center in Odisha or undertaking to set up service center in Odisha within one month from the date of installation if approved (for those who have no service centers in Odisha).
- 3.19 The Bidder have to submit their valid Sale Tax / GST certificate up to last Qtr of current financial year & PAN Card & Last 3 Assessment years I.T return for the year 2018-19 & 2019-20, 2020-21 Assessment year)

N.B: Valid means the certificate should be valid on or beyond the date of opening of tender (Cover-A).

COVER – B (PRICE BID)

4. The price to be quoted for BMW equipments should be sent in the prescribed price format in a separate sealed cover hereafter called **Cover “B” (Price Bid).** **Cover –B (Price Bid) of the tenderers who qualify in it’s Technical Bid (Cover – A) and complies to tender specification & find to be as per technical specification and Product demonstration (if required) will only be opened .**
- 4.1 The tender format (Price Schedule) in duplicate in the prescribed form (as per **Annexure – IX**), must be submitted in Cover-B. The price of the item should be quoted inclusive of excise duty, insurance, packing, forwarding, freight (door delivery) and warranty for 3 years for all items. The price of CMC for 3 years, turnkey job (accessories if any for installation), GST & other charges (if any) should be quoted in a separate column. **CMC should be quoted for scheduled items as mentioned in the schedule of requirement.** The rate should be quoted for *each item* both in figures and words. **In case of difference in words and figures, words will be taken into consideration for evaluation.**
- 4.2 The Cover “B” of tenderers, who qualifies in their technical bid, will only be opened at the office of the SUPERINTENDENT-SCBMCH date & time which will be intimated to them by this office only.

REJECTION OF TENDER

5. The tender submitted by the bidder will be rejected, if any of the following documents are wanting / not submitted with the tender:
- (i) Manufacturing License (In case of Manufacturer)
 - (ii) Import License (In case of Importer)

- (iii) Manufacturer's authorization in case of distributor/importer
- (iv) Earnest Money Deposit (EMD).
- (v) Tender Fees /Cost
- (vi) Annual average turnover of the firm is Rs.5 Crore or more in last 3 financial years (for bidders who are manufacturer/importer) **OR** annual average turnover of Rs.5 Crores or more in the last 3 (three) financial years (for bidders who are authorized distributors of the manufacturer). In case of authorized distributor, they will also have to furnish alongwith their own turnover, the Annual Average turnover statement as per Annexure–VI from the Manufacture/Importer of the item(s) as mentioned above.(balance sheet year wise)
- (vii) Valid ISO certificate of Manufacturer
- (viii) Valid ISI / CE / US FDA certificate of the manufacturer as per Section VI – Technical Specification.
- (ix) Proof of supply/installation of the quoted item (executed directly by manufacturer or through importer or through distributor) of the equipment(s)/similar equipments mentioned in the schedule of requirement to any Govt. Organization / Corporate Hospitals / PSU Hospitals / UN Agencies and certificate in support of that from the user and **approval of State Pollution Control Board (SPCB)** during the last three years.
- (x) Deviations in the technical specification of the item(s) as per tender specification.
- (xi) Price bid / quoted rate with signature and seal (Hard Copy).
- (xii) Copy of the GST registration certificate
- (xiii) The Bidder have to submit their valid Sale Tax / GST certificate up to last Qtr of current financial year & PAN Card & Last 3 Assessment years I.T return for the year 2018-19 & 2019-20, 2020-21 Assessment year)

EARNEST MONEY DEPOSIT

- 6.1 The amount of Earnest Money Deposit required is mentioned in the Section-II.
The Earnest Money Deposit will be submitted in the shape of **demand Draft**

only in favor of **SUPERINTENDENT-SCBMCH ,CUTTACK** from any Nationalized / Scheduled Bank payable at CUTTACK

- 6.2 The EMD of the unsuccessful tenderers will be returned back without interest after placement of purchase order to the successful tenderer and EMD of successful tenderer will be returned without interest after submission of performance security.
- 6.3 The EMD will be forfeited if the tenderer withdraws its tender / furnish forged documents which is found during bid evaluation OR doesn't sign the contract / doesn't furnish performance security / doesn't supply the items (in case of successful bidder) within the stipulated time period.

PERFORMANCE SECURITY & AGREEMENT

- 7.1 The performance Security should be submitted in shape of Bank Draft/Bank Gurrantee from a Nationalised / Scheduled Bank in favor of SUPERINTENDENT -SCBMCH, CUTTACK equal to the amount of 10% of the purchase order value of the item (excluding cost of CMC & GST) within 21 days of issue of the purchase order.
- 7.2 The agreement (**as per Annexure – X**) will be signed between the supplier and the purchaser and will be kept by the purchaser.
- 7.3 The performance Security Money will be returned back to the tenderer without interest after the expiry of the warranty period i.e. three years after the date of installation & signing of the CMC agreement.
- 7.4 Security money will be forfeited if there is any violation of the tender terms and conditions.

TENDER CONDITIONS :

- 8.1 The details of the BMW equipment with specifications are mentioned in **Section VI. The firm must clearly mention their specification, special features, upgraded version (if any), detail technical catalogue of the offered model in their tender.**
- 8.2 Tenders should be typewritten or computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission, failing which the tender will be ineligible for further consideration.
- 8.3 Rates inclusive of customs duty, packing, forwarding, and insurance, transportation charges with 3 years onsite comprehensive warranty and

exclusive of GST should *be quoted for the BMW equipment (Item wise) on door delivery basis. The turnkey job (cost of accessories if any required for Installation/Commissioning), 3 year CMC cost & GST should be mentioned in separate columns.* The rates quoted should be in **Indian Rupees only**. Rates quoted in any other currency will not be accepted.

- 8.4 The purchaser shall be responsible only after delivery and due verification, installation and commissioning of the equipment.
- 8.5 The rate per unit shall not vary with the quantum of order placed for destination point.
- 8.6 If there is difference between figures & words, words will be taken into consideration.
- 8.7 In the event of the date being declared as a holiday by Govt. of Odisha, the due date of sale, submission of bids and opening of bids will be the following working day at the scheduled place & time.
- 8.8 The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government / GeM and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to confirm to the controlled price or MRP as the case may be deleted.
- 8.10 No tenderer shall be allowed at any time on any ground whatsoever to claim revision of or modification in the rate quoted by him. Clerical error / typographical error, etc. committed by the tenderers in the tender forms shall not be considered after opening of tenders. Conditions such as “ **SUBJECT TO AVAILABILITY**” / “**SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED**” etc., will not be considered under any circumstance and the tenders of those who have given such conditions shall be treated as incomplete and for that reason, shall be rejected.
- 8.11 If at any time during the period of rate contract, the price of tendered item is reduced or brought down by any law or act of the Central or State Government or the tenderer, the tenderer shall be morally and statutorily bound to inform the purchaser immediately about such reduction in the contracted price. The purchaser is empowered to unilaterally effect such reduction in rate, in case the tenderer fails to notify or fails to agree for such reduction of rate.

- 8.12 If the relevant documents / certificates which are required to be furnished along with the tender are written in language other than English, the tendering firm shall furnish English version of such documents / certificates duly attested by a Gazetted Officer / Notary with his seal and signature.
- 8.13 If any information or documents furnished by the tenderer with the tender papers are found to be misleading or incorrect at any stage the tender of the relevant items in the approved list shall be cancelled and steps will be taken to blacklist the said firm for three (3) years.
- 8.14 Rate should be quoted in Indian Currency, both in words and figures against each item as the payments will be made in Indian currencies only (Annexure-IX). The tenderer shall not quote the rate for any item other than the item specified in the list. (**Section V – Schedule of Requirement**).
- 8.15 Both Cover-A and Cover-B should have an **index and page number** of all the documents submitted inside that cover.
- 8.16 The GST will be charged as per the guidelines given by the Finance Dept., Govt. of Odisha from time to time. GST (as applicable) will be paid to the supplier
- 8.17 The requirement of items may increase or decrease depending on the situation.

PACKAGING:

- 9.1 All the packaging should be New. The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packaging shall be sufficient to withstand without any limitation including rough handling during transit, exposure to extreme temperature, salt and precipitation during transit and upon storage.

TURNKEY:

- 10.1 The electrical power supply point will be provided by the purchaser at the room where the equipment will be installed but the wiring and electrical fittings inside the room and accessories if any required for installation & commissioning of the equipment from the power supply point to the point of actual installation or any other civil work required for installation of the equipment will be provided by the supplier without any extra cost (apart from the cost mentioned under turnkey in the Price schedule which should include the cost of all such requirement).

COMPREHENSIVE WARRANTY & CMC :

(Undertaking as per Annexure – XI & XII)

- 11.1 The comprehensive warranty will remain valid for **3 years** from the date of installation & commissioning of the equipment. The original copy of warranty documents will be submitted to the purchaser at the time of installation.
- 11.2 The warranty will cover **all the parts of the machine or item and any replacement or repair required** within the warranty period and will be provided by the supplier free of cost at the destination point (installation point). The supplier will take back the replaced parts / goods at the time of their replacement. No claim whatsoever shall be on the purchaser for the replaced parts / goods thereafter. No traveling allowances or transportation cost will be paid by the purchaser during the warranty period.
- 11.3 The Supplier shall warrant that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials. The Supplier shall further warrant that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination. The supplier has to provide two preventive maintenance visits during warranty period and shall be maintained in the log book. Any lapses in the number of visit will be penalized by deducting 5% of the total performance security amount on returning the security deposit.
- 11.4 **CMC:** The tenderer shall also commit to provide offer for CMC (**Labour + all spare**) for the next three (3) years after three (3) years of warranty. No extra cost will be paid other than the CMC cost for functioning of the item during this period. The supplier will provide one (**1**) preventive maintenance in every **six months** in a year during the period of CMC and any number of on call visit against complain at free of cost. The necessary maintenance log book has to be maintained by the supplier.
- 11.5 The selected firm should have a service centre in Odisha.
- 11.6 All the warranty certificates must be handed over to the consignee after installation.

TRAINING & OPERATIONAL MANUAL:

- 12.1 The firm / supplier will provide hands on training to two Nodal officer BMW and two technicians in his own cost for operating / handling the BMW equipment(s) at the time of installation of equipment.
- 12.2 The supplier / firm will provide the operation / maintenance manuals of all equipments to the purchaser at the time of installation.

UPTIME GUARANTEE:

13.1 **UP-TIME BALANCE :**

The Supplier (s) shall provide guarantee 95% uptime during comprehensive warranty period, i.e., for 3 years from the date of installation & commissioning.

Any uptime less than the specified period above will be compensated by the Supplier(s) by extending the warranty period. The consignee shall maintain a logbook in the format provided by the Supplier(s) which will indicate usage of the equipment every day and for calculation of up-time.

DOWNTIME PENALTY CLAUSE:

- 14.1 During the Guarantee / warranty period, desired uptime of 95% of 365 days will be ensured (24 hour). If downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied. The supplier must undertake to supply all spares for optimal upkeep of the equipment for **THREE YEARS** after installation. If accessories / other attachment of the system are procured from the third party, then the supplier must produce cost of the accessory / other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the purchaser if required.

In no case equipment should remain in non-working condition for more than 7 (seven) days from the date of complaint, beyond which a penalty will be applicable as per Rule.

- 14.2 The principals or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

SPARE PARTS:

- 15.1 The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warrantee period should be attached / enclosed along with the sealed quotation.
- 15.2 The tenderers are required to furnish the list of spares along with their cost in the financial Bid separately which will not be taken for evaluation.
- 15.3 Local agents / distributors quoting on behalf of the manufacturer / importer must attach the authority letter in their favour.

LABELLING :

- 16.1 The equipment supplied must be properly labelled with Sl. No., Model Name, Make & year of Manufacture

ACCEPTANCE OF TENDER AND SUPPLY CONDITIONS:

- 17.1 The Purchaser reserves the right to reject the tenders or to accept the tenders for the supply of the item tendered without assigning any reason thereof.
- 17.2 The Purchaser will be at liberty to terminate the contract either wholly or in part without assigning any reasons thereof. The tenderers will not be entitled to any compensation whatsoever for such termination.
- 17.3 The **supply should be completed within 30 days** from the date of issue of purchase order unless otherwise specified. If no supply is received even after extended period of time with liquidated damage from the date of issue of the purchase orders such orders will be stand cancelled automatically without further notice. Penalties shall also thereafter be applied to the tenderer as specified in clause no. 21.1 to 21.2. The approved firm shall also suffer forfeiture of the EMD and Performance Security Deposit.
- 17.4 The tender inviting authority or his authorised representative (s) has the right to inspect the factory of those company who have quoted for the tender, before

accepting the rate quoted by them or before releasing any purchase order (s) or at any point of time during the validity period of tender and has also the right to reject the tender or terminate / cancel the orders issued or not to reorder based on the facts brought out during such inspections.

EVALUATION:

- 18.1 The price bid of the tenders who qualify in the technical bid fulfilling the eligibility criteria and complying to the technical specification shall only be opened.
- 18.2 The tender inviting authority may ask for demonstration of the equipment by the bidders at the premises of the tender inviting authority or a place as decided by the tender inviting authority as a part of the technical evaluation before opening of price bid in order to verify the compliance to technical specification.
- 18.3 The rates of the item quoted by the tenderer who qualify technically will be evaluated after taking the following points into consideration: -
- a) Rate of the BMW equipment will be taken after inclusion of the customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for three (3) years, cost of turnkey (cost of accessories if any for installation/commissioning) & CMC for next three(3) years but excluding GST
 - b) The cost of the BMW equipments (excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for three (3) years but excluding GST), cost of turnkey (cost of accessories if any for Installation & Commissioning with all GSTes for turnkeys) & cost of CMC for next three(3) years after warranty will be added for evaluation.

LIQUIDATED DAMAGE :

- 19.1 The SUPERINTENDENT may allow extension for a maximum period of 4 (four) weeks (28 days), after the stipulated date of supply (i.e. 30 days) with a penalty of 0.5% which will be deducted from the purchase order value as “Liquidated Damage”, for each week (7 days) of delay upto a maximum 2% on the value of the goods.
- 19.2 If the supplier fails to complete the supply within the extended period, i.e. 58 days after being allowed by the purchaser, no further purchase order will be

placed to the firm for the said item including forfeiture of the Performance security and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

TERMS OF PAYMENT :

- 20.1 No advance payments towards cost of BMW equipments or turnkey job will be made to the tenderer.
- 20.2 90% of the cost of the equipment (**excluding CMC Cost**) + 100% turnkey job + 100% GST shall be paid to the supplier on receipt of the stock entry certificate, installation and demonstration of the item from the consignee. The balance 10% of the payment of equipment will only be made after receipt of certificate on working status of the equipment from the consignee after 6 weeks of installation and commissioning of the equipment.
- 20.3 Payments as mentioned above will only be made after keeping the **performance security deposit** from the supplier as per clause no. 7.1, if they have not deposited the same before. Payment will only be made after ensuring signing of the Agreement, undertaking and handing over of warranty papers of equipment and turnkey jobs by the supplier to the purchaser.
- 20.4 No claims shall be made against the purchaser in respect of interest on earnest money deposit or performance security deposit or any delayed payment or any other deposit.
- 20.5 Payments in shape of Draft / Pay Order will preferably be despatched to the supplier by Registered post with A.D or e-payment / on-line transfer or may be handed over to the authorized person of the supplier.
- 20.6 The payment of CMC will be made on a **six monthly basis**, after completion of warranty period and signing of the CMC agreement.

PENALTIES :

- 21.1 If the successful tenderer fails to deposit the required performance security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons or unable to undertake the contract, his contract will

be cancelled and the earnest money deposit shall stand forfeited by the purchaser.

- 21.2 Violating the tender terms and conditions & non supply / supply which is not as per technical specification will disqualify the firm to participate in the tender for a period of 2 (two) years from the date of issue of letter and his E.M.D & performance security deposit will be forfeited and no further purchase order will be placed to that firm for that item.
- 21.3 In the event of any dispute arising out of the tender, such disputes would be subject to the jurisdiction of the High Court of Odisha.

INSPECTION/TESTING :

- 22.1 The selected supplier shall have to arrange for demonstration of the equipment at the supply point. The purchaser or its nominated representative(s) shall inspect and test the equipments at the supply point to check their conformity to the specifications and other details incorporated in the contract.

CONDITIONS APPLICABLE TO LOCAL MSEs / SSI OF ODISHA:

The MSE / SSI Units of the State of Odisha will be given the following preferences in the tenders provided they produce the following documents as per MSME Development Policy-2009 and IRP - 2007:

- 23.1 Attested copy of valid manufacturing licence.
- 23.2 P.M.T Certificate from the Director of Industries, Odisha or General Manager District Industries Centre that it is a MSE / SSI Units of the State of Odisha, provided that MSE / SSI units has not been derecognised by the Govt. for that specified period.
- 23.3 Local Micro & Small Scale Enterprises (MSE) and Khadi & Village industrial units including handloom and handicrafts will enjoy a price preference of 10% vis-à-vis over local medium and large industries as well as industries outside the State. Local Micro & Small Scale Enterprises having ISO, ISI,CE Certification for their product shall get an additional price preference of 3% as per provision of IPR-2007.

- 23.5 Local MSEs registered with respective DICs, Khadi, Village, Cottage and Handicraft Industries, OSIC, NSIC shall be exempted from payment of earnest money and shall pay 25% of the prescribed performance security deposit.
- 23.6 Clause number 1 to 22 is also applicable to the Small Scale Industry Units of the State of Odisha.

SECTION –IV

SCHEDULE OF REQUIREMENT

Sl.	Name of Equipment	Quantity per Centre	Palce OF Supply/Installation
1	Incinerator for Biomedical waste	1	BMW Unit SCB MCH
2	Biomedical waste shredder	2	Do
3	Microwave for biomedical waste	1	Do

SECTION –V
TECHNICAL SPECIFICATION

1.BIO-MEDICAL INCINERATOR (Capacity: 200 kg/hour or more)

(The bidders shall have to quote Incinerator with standard accessories + Tamper-proof PLC + Data logger Control Panel + CHIMNEY as a whole Package along with turnkey/internal designing work required for installation & commissioning & other requirement for the operationalisation of Unit)

Clinical purpose : Incineration of waste materials converts wastes containing elements of carbon, hydrogen, oxygen along with presence of other elements such as nitrogen, sulphur, chlorine and pathogens etc., can be destroyed completely by oxidation process using auxiliary fuel producing benign gases (flue gases) such as carbon dioxide, water, and nitrogen and some acidic gases such as oxides of sulphur, nitrogen, acids and other toxic gases such as heavy metals, Dioxins & Furans etc. as well as solid form of ash, depending upon waste constituents of the waste and performance of incineration system.

Used by dept: Biomedical Waste management Unit of SCB MCH

Quality Standards of the system

Product(Quoted Model : Product should be CE / BIS approved product.

Manufacturer :

- a) Should be OSHAS 18001 & ISO 9001 certified for quality standards.
- b) Should be registered under the Factories Act, 1948 & Companies Act, 1956.
- c) Should submit documents certifying that the incinerator system has been designed and commissioned such the system can comply with the stipulated standards along with the latest monitoring results of the system as soon as commissioned.
- e) Should submit documents certifying that the incinerator system operating standards and emission standards are as per biomedical & waste management & handling rules 1998 under schedule V.

Test certificates: Test certificates from Govt. approved laboratory or NABL approved laboratory for Steel grade certificates, epoxy coating, salt chamber test, bend test etc. should be furnished in the technical bid.

Calibration & QC: Certificate of Calibration from NABL / Govt. accredited lab, Internal QC passed test reports of previously supplied item

Technical Specification:

Operational requirement:

- 1) The incinerator should be fully automatic of controlled air & pyrolytic type.
- 2) The incinerator should have minimum Burn Rate/Capacity of 200 kg/hour or more
- 3) Should be fabricated with minimum 6mm Thick – IS 2042 & IS 2062 Grade Mild Steel (MS) castable refractory lined with required channels & Angles.
- 4) Should have automatic waste feeding & dishing system so that there is no direct exposure of furnace atmosphere to the incinerator operator while charging.
- 5) The incineration system must have an automatic emergency vent designed with a provision of valves and a compressor. The emergency vent shall remain closed and such provision it shall not emit flue gases or leakages during normal operation of the incinerator.
- 6) The incineration system shall have graphic or computer recording devices which shall automatically and continuously monitor and record dates, time of day, batch sequential number and operating parameters such as temperatures in both the chambers as well as stack exit gas.

7) Flue gas parameters such as CO, CO₂, and O₂ as well as other relevant parameters in gaseous emission as prescribed by the authority shall also be measured during the operation of the incineration using continuous emission monitoring system (CEMS).

8) The incinerator should have alarm system to alert the incinerator in the event of power failure, non-operation of the Air Pollution Control Device (APCD), not maintaining adequate temperatures in primary and secondary chambers or in case of any emergency.

9) APCD should comply standards as prescribed under BMW Rules, 2016.

10) All the measuring devices attached with the incinerator should have digital display and should have provision of connecting to the recording system, which should include fuel meter and separate energy meter.

Combustion chamber

Both Primary & secondary Combustion chamber should have following technical characteristics

Number of Chambers: 2

1. Primary Chamber and 2. Secondary chamber

Operating Temperature for primary chamber: 800 °C

Operating Temperature of Secondary chamber: 1050 °C \pm 50 °C

The volume of the combustion chamber should be of 2.3m³ (\pm 5%)

Waste Feeding system for primary chamber: Manual

Combustion Efficiency : Min %:99

Gas Retention in secondary chamber Max in Seconds: 2.0 sec

Should be able to incinerate the waste so as to achieve the Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%.

The burners shall have automatic switching "off/on" control to avoid the fluctuations of temperatures beyond the required temperature range.

Temperature Monitoring Function should be present.

Type of Combustion Feeding in Primary chamber should be Continuous process

Fuel type: Diesel (electrical Start and diesel fuel running thereafter)

Burners: 2 nos. (1 for PCC & 1 for SCC) of fully automatic Monoblock type.

(i) Each burner shall be equipped with spark igniter and main burner.

(ii) Proper flame safeguard provision of the burner shall be installed.

(iii) Burner retracting mechanism in both the chambers to safeguard the burners.

(iv) The thermocouple sensor location shall be after tip of the burner and before exit of the incinerator chambers.

(v) Provide projected type of observation or view ports (high-temperature glass with a metal closure provision) should be provided to observe visual condition of the burning process. Neither heat nor flame, nor particles should be able to pass through the observation or view port.

(g) Mode of heating: electric heating coils that should be fully automatic in all respect

(h) Material of Construction: Made of IS 2042 grade mild steel materials of 5mm thickness duly lined with High Alumina Refractory Fire bricks (confirming to IS: 8-1994 & IS: 2042-2006 standard) & painted externally with heat resistant aluminum paint suitable to withstand temperature of 250°C with proper surface preparation and also the outside surface temperature of the incinerator casing being touched during normal operations should not exceed 45 to 50 °C above ambient temperature and should be provided with a safety measure in the form of a spikes or mesh around hot surface which will prevent direct touch. The sides and the top portion of the primary and secondary chambers shall preferably have rounded corner from inside to avoid possibility of formation of black or cold pockets/dead zones.

(i) Both Refractory as well as insulation thickness: 155 mm.

j) Temperature resistance: 1400° C

Painting:

All the equipments & components should be coated with 2 coats of epoxy heat resistance paint.

Safety interlocks: Safeties and interlock control should be incorporated with the incinerator system.

Description of each associated part / peripheral / Module / component

Combustion Fan:

- a) The F.D Fan should be of Centrifugal Direct Drive Type Air Blower with electric motor.
- b) Modulation: Manual Damper Control
- c) Material of Construction: Mild Steel (MS).

Quencher: To reduce flue gas temperature before Venturi Scrubber quencher should be provided having

- a) Outer Body made up of Mild Steel and
- b) Inside should have Refractory lining.
- c) Water circulation System should be provided with Centrifugal pump.

Emergency Stack (1 set):

- a) Cylindrical Type,
- b) top mounted on venturi ejector.
- c) Material of Construction should be Mild Steel of 3 mm thickness.
- D) Refractory- 75mm thick castable and
- e) Insulation – 25mm thick castable.

Oil Tank (1 set):

- a) Should be made up of Mild Steel
- b) Capacity: 500 Litres
- c) It should also have Diesel Oil Level indicator, Oil Piping with valves & N.R Valves with visual checking of Fuel.

Venturi Scrubber (1set):

- a) Should be High Pressure Jet Type
- b) Material of Construction should be Stainless Steel (SS-316L).
- c) Scrubbing medium should be Water with 5% caustic and
- d) Temperature at the outlet 78 °C to 80 °C.

Recirculation Pump with Motor (1set):

- a) Should be Mono block Type
- b) Material of Construction of wetted parts should be Stainless Steel (SS-316).
- c) Piping should be chemical resistant PPR (polypropylene random copolymer)

Droplet Separator cum Recirculation Tank (1 set): To separate water droplets from flue gases droplet separator should be used.

- a) Should be Vertical cylinder type and cyclonic.
- b) Material of Construction should be Mild Steel Rubber Lined (MSRL) with 3mm thickness.
- c) Should be MS plate fabricated of 6mm thickness with metal eliminators inside.

ID Fan with Motor (1set):

- a) Should be High Pressure Centrifugal Belt Driven type.

- b) Material of Construction of casing should be Mild Steel Rubber Lined (MSRL)
- c) Material of Construction of Impeller should be Stainless Steel of SS 304 grade which should be connected with electric motor.

Alkali Dosing System (1 set):

- a) Pump should be Plunger pump Type with metering.
- b) Material of Construction of wetted parts should be PP (polypropylene)
- c) Dosing medium should be NaOH solution.

Flue Gas Duct (Between Incinerator, Scrubber, ID Fan & Stack) (1set):

Should be of Cylindrical type and Material of Construction should be Partly MS and partly Mild Steel Rubber Lined (MSRL)

Manually Operated Dampers (2 sets): Should be made of Mild Steel.

The incinerator should have instruction plates attached in a prominent location on the unit that should clearly address

- a. Cleaning ashes and slag from the combustion chamber(s),
- b. Cleaning of combustion air openings before starting the incinerator (where applicable),
- c. Operating procedures and instructions like proper start-up procedures, normal shut-down procedures, emergency shut-down procedures, and procedures for loading waste (as applicable).

5. Description of PLC, Data logger, Chimney & considerations for turnkey

PLC for incinerator

1. A tamper-proof PLC (Programmable Logic Control) based control system shall be capable to prevent opening of waste charging door while the incinerator is in operation especially:
 - a) Waste charging until the required temperature in the chambers is attained during beginning of the operation of the incinerator.
 - b) Waste charging unless primary & secondary chambers are maintained at the specified temperature range.
 - c) Waste charging in case of any unsafe conditions such as - very high temperature in the primary & secondary chambers; failure of the combustion air fan, ID fan, recirculation pump; low water pressure & high temperature of the flue gas at the outlet of air pollution control device.
2. Micro controlled based digital controllers in manual mode operation.
3. Fully automatic in auto mode with all safety limits and also operation in manual mode.
4. PLC: 1200/1400 with extension module.
5. Analog module: 4-20ma/0-10v.
6. Human Machine Interface: Touch Screen/Touch Pad.
7. Isolation relays for inputs and outputs
8. Electrical safety: HRC Fuse, MCB
9. Should include negative draft measuring device with the primary chamber, air flow rate measuring devices with primary and secondary chambers of the Incinerator and pressure drop measuring device to the venture scrubber as per CPCB guidelines.

Data logger Control Panel

- a) Should be with suitable box made from CRCA sheet materials, mounting plates fitting and key ignition transformer, hooter, PVC channel, control fuse, over load relay, indicating lamp, temperature controller cum indicator for primary & secondary chamber, temperature indicators etc. completely fitted, duly wired and enclosed in powder coated, dust proof sheet metal box.

- b) The panel shall have audio visual alarm for any abnormal operation which makes operation safe.
- c) Body should be made up of Sheet with Powder coated Finishing & Painting
- d) Should have PC system (latest Configuration with Laser Printer) and with electrical accessories, connected with PLC panel and flue gas analyzer panel (including installation of Flue Gas Analyser as per CPCB guidelines) to automatically and continuously monitor and record data of primary chamber, secondary chamber, ventury, O₂gas, CO₂ gas & CO gas w.r.t. to date & time.
- e) Should have Automatic Recording System for recording of operational parameters of Incinerator including stack gas temperature after scrubbing.

Chimney / Stack

- 1) Height: 30.5 Meters or 100 feet from Ground Level
- 2) Type: Self Supporting
- 3) Material of Construction (MoC): Mild Steel
- 4) Base diameter: 1200mm in 6mmsheet (Approx.)
- 5) Top diameter: 400mm in 4mm sheet (Approx.)
- 6) The chimney should be built with Strong M.S. Base duly with rubberized lining, Inspection Window and inbuilt ladder.
- 7) The chimney should have Sampling port with sampling platform along with standard attachments of Aviation light, Lightning Arrestor, Stack drain and Earthing Strip.
- 8) The Chimney should be connected through centrifugal air blower for effective removal of emission from the entire system.
- 9) The Chimney should be painted externally with at least two coats of heat resistance aluminium paint.
- 10) The Chimney should be protected from inside by providing 3mm thick rubber lining.
- 11) Structural design of the chimney / stack shall be as per IS: 6533-1989.
- 12) The chimney/stack shall be lined from inside with minimum of 3 mm thick natural hard rubber suitable for the duty conditions and shall also conform to IS:4682 Part I-1968 to avoid corrosion due to oxygen and acids in the flue gas.
- 13) The location and specification of porthole, platform ladder reaching till the top(preferably steel scaffolding or spiral stair-case) shall be as per the Emission Regulations, Part-3 (COINDS/20/1984-85), published by CPCB. All mandatory approval, if required, for installation of the chimney shall be obtained by the successful bidder.

Noise (in dBA): Less than 70 dB

Heat dissipation: Should maintain nominal Temp inside BMW Unit s & heat should be disbursed by a cooling mechanism such as adequate cooling and exhaust fans.

Mobility, portability: Stationary Installation Type

6. Energy Source

Power requirement: Power Input voltage- 440V AC, 50Hz , 3-phase fitted with Indian plug of appropriate rating.

Protection

- a) Resettable overcurrent breaker, RCB, MCB, Dipole switch, fuse
- b) Voltage corrector as applicable for the product for protection against surge current & voltage fluctuations.
- c) Should have over-charging cut-off with visual symbol.

Turnkey details

Installation and commissioning common to all Equipment

Complete installation & commissioning are to be done by the supplier which should be inclusive of

- a) **Environmental clearance** from the Regulatory Body/Local authority.
- b) **Civil Work:** Base mounting / grouting on the existing floor of the room of installation,
- c) **Electrical Work:**
 - i. **Electric distribution panel** with all switch gears, controls and electrical wiring from the existing supply point inside the room where the equipment shall be installed to the point of actual installation.
 - ii. **All cable trenches and railings** should be made wherever required. Installation of all electrical cabling must be of IS: 1554 (As per latest amendment) standard and wiring as per IS: 732 standard.
 - iii. **Dedicated Earthing system** of control panel and other electrical instrument and accessories in the BMWMS area should be **as per standard guidelines of BIS**.
 - iv. **Fixing of Electrical Gadgets:** MCB, ACB, ELCB, OCB, circuit breakers, voltage correctors, exhaust fans, Cool air Fans and Light Points, Power points for creating comfortable working zone within the BMW Units as may be required. (Only in case of Microwave, Air Condition system or similar arrangement to maintain the temperature less than 35° C is required)
- d) **PH work:** Water pipe line with all fittings, Plumbing, Laying of GI water pipe line with necessary taps, joints, elbows, Unions, Tees and valves of GI made and IS-1239 standard from the existing water connection to the actual point of installation in the room.
- e) Adequate provision should be made for **Draining & Sewer system** from the equipment/Sinks to the main drain (outside the BMW Unit) with Grating, proper trap and flow system and tapping.

Arrangement for requisite Fire fighting system: Fire Extinguishers of suitable capacity at the appropriate places for the BMW Units including approval from or as per State/Central Govt. regulation/local authority/Statutory body as applicable.

Considerations for turnkey:

- a) The incinerator structure shall be built in a room with proper roofing and cross ventilation.
- b) There shall be minimum 1.5 m clear distance in all the directions from the incinerator structure to the wall of the incinerator room.
- c) Adjacent to the incinerator room, there shall be a waste storage area. It shall be properly ventilated and washing can be done very easily.
- d) The floor and inner wall of the incinerator and storage rooms shall have outer covering of impervious and glazed material so as to avoid retention of moisture and for easy cleaning.
- e) The incineration ash shall be stored in a closed sturdy container in a masonry room to avoid any pilferage.
- f) All the Electrical appliances attached with the incinerator and other machinery should be provided with suitable and necessary safety devices.
- g) All cables and wiring should be of copper with insulation and all cable wiring should be in cable tray.
- h) Electrical safety aspects should be maintained as per Factories Act, 1948.
- i) The selected bidder shall purchase items required for the incinerator system of reputed makes as described below in **pt 8.7**.
- j) The bidder shall also submit the actual GST bills for the below mentioned items before start of installation. All these bills shall be certified by the Nodal / Project Officer of concerned BMW Units of consignee location on the body of the bill & sent to OSMCL along with main invoice and Satisfactory installation-cum-Commissioning Certificate.
- K) The quality of the turnkey work done by bidder has to be crosschecked by authorized officer as decided by the Head of the Institution.

2. SHREDDER (100 Kg / Hr)

(The bidders shall have to quote Waste Shredder with standard accessories + Transportation Trolley as a whole Package along with turnkey/internal designing work required for installation & commissioning & other requirement for the operationalisation of the Unit)

Overview of Functional Requirement:

A closed system shredder designed for shredding of recyclable plastic hospital where the final treated waste should be non-reusable & non recognizable and should be reduced to 70 to 80% of the volume.

Quality Standards and Safety

Product (Quoted model)

a) Product should be CE / BIS approved product.

b) Cutter motor should be ISI marked.

c) Should be CPCB approved with compliance under Gazette Notification 1998 and revisions there upon.

Manufacturer (Standards)

Should be ISO 9001 certified for quality standards.

Electrical Safety: Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements (or equivalent BIS Standard)

Test certificates: Test certificates from Govt. approved laboratory or NABL approved laboratory for Steel grade certificate (for SS 316 grade, SS 304 grade, Boiler grade and Mild Steel grade), epoxy coating, salt chamber test, bend test etc. should be furnished in the technical bid.

Calibration & QC: Certificate of Calibration from NABL / Govt. accredited lab, Internal QC passed test reports of previously supplied item

Technical Specification:

A. Operational requirement:

1. Should be of robust design with minimum maintenance requirement.
2. Should be properly designed and covered to avoid spillage and dust generation. It should be designed such that it has minimum manual handling.
3. The hopper and cutting chamber of the shredder should be so designed to accommodate the waste bag full of biomedical waste.
4. The shredder blade should be highly resistant and should be able to handle/ shred wet waste, especially after microwave/ autoclave etc
5. The motor should be connected to the shredder shaft through a gear mechanism, to ensure low rpm and safety for better gripping and cutting of the biomedical waste.
6. Should have three phase induction motor and the minimum capacity of the motor attached with the shredder should be adequate enough for carrying out for 100 Kg/hr . This would ensure efficient cutting of the bio-medical waste as prescribed in the bio-medical waste (Management & handling) Rules.

Technical characteristics:

- a) Capacity of Shredder: 100 Kg/Hr or more
- b) Type: Low Speed / Low RPM (preferably 30 to 40 rpm)
- c) Material of Construction of Outer Body: Mild Steel (M.S), 5 mm Thickness minimum
- d) Material of Construction of Cutter: **Non-Corrosive & hardened Alloy Steel**
- e) Waste Feeding Platform: MS Structure having minimum 3 feet height from discharge point to ground level.
- f) Waste Feeding System : Manual Through Hopper

- g) Electric Load: 5 KW \pm 0.5 KW
- h) Shaft : Double Shaft
- i) Drive : Belt Drive

Control Panel :

- a) Should be Pre-Wired and Powder Coated.
- b) Should be provided with auto stop/reversing, Emergency stop & Limit Switch with audio and/or visual alarm or indicator for the stoppage.

Safety Features to operate this type of device

Operational Safeties

- a) Interlocking with Limit Switch
- b) Shock proof & insulated as per safety norms.
- c) Protection against scattering of shredded waste

Safeties for Overloading

- a) Reverse Motion to avoid overloading or jamming mechanism
- b) Motor overload protection.

Automatic emergency stop

- a) Limit switch should be provided to switch off the Shredder if hopper lid or door of collection box is opened, so that shredder should stop automatically for safety of operator.
- b) In case of shock-loading (non-shred able material in the hopper), there should be a mechanism to automatically stop the shredder to avoid any emergency/ accident.

General Safety

- a) The unit should be suitably designed for operator safety, mechanical as well as electrical.
- b) Anti-vibration mounting should be provided.

Noise (in dBA) & Vibration: Low Noise (below 60 dB) and No Vibration

Heat dissipation: Should maintain nominal Temp & heat should be disbursed by a cooling mechanism.

Mobility, portability: Stationary Installation Type

Power requirement: Power Input voltage- 440V AC, 50Hz , 3-phase fitted with Indian plug of appropriate rating.

Protection

- a) Resettable over current breaker, RCB, MCB, Dipole switch, fuse
- b) Voltage corrector as applicable for the product for protection against surge current & voltage fluctuations.
- c) Should have over-charging cut-off with visual symbol.

TRANSPORTATION TROLLEY

1. The container should be made of sturdy plastic material resistant to acid, alkali and chemicals and should be constructed of suitable capacity.
2. Should be designed and constructed so that they do not have sharp edges.
3. Container must be detachable and must have provision for its washing.
4. Should be easy to clean, disinfect and drain.
5. Should be covered with a sturdy plastic lid attached with hinges and latch facilities so that biomedical waste bags are not exposed to environment.
6. Iron body frame of trolley MS angle.
7. Should be able to contain any leakage from the damaged containers.
8. The waste should be easily loaded, secured and unloaded.
9. Should hold minimum 50 Kg of load in bags as per the requirement.
10. Should be color coded yellow/blue/white/black and have biohazard sign and name of the hospital.

11. Should have four wheel drives, two wheel movable and two fixed.
12. Should be rubber bounded to cast iron long life, high load capacity and road grip size 6 inch with sealed ball bearing.
13. Should have wheel locks to prevent the wheel barrow from rolling forth.

3. MICROWAVE BASED BIOMEDICAL WASTE DISINFECTION MACHINE 60LTR CAPACITY)

1. The unit should have capacity to complete the disinfection cycle as per Government of India, Central pollution control board Biomedical Waste Management Rules 2016 Norms.
2. The unit should have 60 litres capacity to disinfect the biomedical waste material in one process cycle.
3. The unit should have Non-contact based technology for volumetric heating of biomedical waste at molecular level.
4. The material disinfection level should be minimum 10^5 log reduction as per the MPCB Bio-Medical Waste Norms.
5. Inner wall of container should be made by SS 304 grade stainless steel.
6. The outer body of the unit should be made of 1.6 mm thick CRCA sheet.
7. The machine should have drive assembly at the base to rotate 12 to 16 Rotations per minute of waste container for uniform heating.
8. The biomedical waste container would be rotated continuously for uniform distribution of heat throughout the waste material.
9. The Biomedical waste material should be heated by higher frequency energy source. The energy should be generated by magnetron microwave generator having Output power: 3kW, Output frequency: 2450 MHz.
10. The unit should have microwave leak proof front door with proper locking arrangement to minimise energy loss.
11. The unit should have facility to escape the generated steam through the exhaust hood. The exhaust piping should be connected to water circulating system should consist of tank and Water ejector Centrifugal pump work on 230Vac / 50Hz.
12. The unit should be with inbuilt water tank and steam condenser to circulate water within the system to have zero emission/discharge from the system.
13. The water level tank should have float valve assembly for water level control.
14. The machine should have pre program to ensure proper wetting of the biomedical waste by using water sprinkler Centrifugal pump work on 230Vac / 50Hz.
15. The unit should have 50 memory storage facility to store Weight and print of disinfected material of each cycle.

16. The machine should destroy viruses and bacteria as per the list given by SAMEER viz. Disinfection efficacy 10^5 to 10^7 log, decontamination of bacterial suspension Decontamination of mycobacterium tuberculosis(MTB), Decontamination fungal suspension, Decontamination of spores of bacillus atrphaeus, inactivation of cell lines, Destruction of vaccines eginuenza live attunuated., Destruction of viruses eg HIN I and HIVI ,Destruction of blood vials, Destruction of m,aggots, Decontamination of operation theatre monitoring swabs and tested by Haftkine Institute and certified for each machine magnetron microwave generator exposure of 30 minutes.
17. The unit should have 100 mm diameter heavy duty Cast Iron or equivalent castor wheels for frictionless movement and two castor wheels should be with brakes.
18. The unit should work on single Phase 230V AC, 50Hz, 25Amp.
19. It should be provided with built in 25 Amps mains circuit breaker.
20. The unit should have Programmable Logic Control of Timing, Temperature, Centrifugal Pump, Drive Motors, Door Interlock and Touch Screen operation.
21. The unit should have inbuilt Dot Matrix Printer for Start time, End time and weight of material processed and respective temperature Report generation.
22. The LCD or TFT screen should display the online Time and Temperature during the process cycle.
23. The unit should not generate Odour and Emission during process cycle.
24. The unit should be Environment friendly, No external heat emission, generated steam circulation to comply pollution control norms.
25. The unit should have certification from Society for Applied Microwave Electronics Engineering & Research, A Scientific Society of the Ministry of Communication and Information Technology Department of electronics and Information Technology (DeitY), Government of India under valid Licence. The Microwave biomedical disinfection unit shall be ISO certified.
26. Bidder should submit the test report of technical specification and certification of Haffkine Institute with each and every machine/unit as per Sr.no-18.
27. The Equipment must be tropicalised as Operating room temperature: up to 40°C, Storage room temperature: up to 60°C Relative humidity: up to 10% Non-condensing.
28. The equipment's should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.
29. Prospective tenderers should provide support in servicing of Biomedical waste Disinfection System (Microwave Based).
30. The suitable size of bucket 5 no's shall be provided along with machine.

List of Standard Alarms and Interlocks to be provided in the system :

- 1.Door OPEN/CLOSE
- 2.Presence of bucket
- 3.No/Low weight in bucket
- 4.Excess temperature of magnetron
- 5.Excess current in Magnetron circuit
- 6.No water or low water level in water tank
- 7.Water not flowing through pump
- 8.Emergency switch pressed.
- 9.Alarm for "Tum table not rotating".

SECTION –VI

ANNEXURES

(Technical Bid, Price Bid, Agreement, Undertaking for CMC)

ANNEXURE –I

(Refer Clause No. 3.1)

CHECK LIST

(To be submitted in Cover A Technical Bid)

Note : The documents has to be arranged serially as per the order mentioned in the check list

Please put in the respective box

COVER – A (TECHNICAL BID) ✓ DOCUMENTS : SUBMITTED OR NOT

1. List of Item (s) – Annexure II

Page No		Yes		No	
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2. Tender document Fee

Page No		Yes		No	
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3. Earnest Money Deposit

Page No.		Yes		No	
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4. Details of Manufacturing Unit / contract person
Liaisoning agent / servicing centre (Annexure III)

Page No.		Yes		No	
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5. Declaration form (Annexure -IV) signed
by the Tenderer & affidavit before
Notary Public / Executive Magistrate

Page No.		Yes		No	
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|------|--|--|------|--|-----|--|--|-----|--|--|-----|--|
| 6. | Manufacturer's Authorization Format
(Annexure – V)(for distributor/Importer)
(Item wise) | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 7. | Proof of avg. Annual turnover
for preceding 3 financial years (for manufacturer /
Importer) / Proof of Annual turnover for preceding 3 financial years for
authorized distributor as well as manufacturer/Importer (in case of distributor)
(Annexure - VI) and IT Return | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 8. | Performance Statement (<i>Item wise</i>)
during the last three years (Annexure -VII) | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 9. | Copies of Purchase order (<i>Item wise</i>)
in support of the performance statement | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 10. | Deviation/No deviation Statement (<i>Item wise</i>) &
details of technical specification
(Annexure -VIII A & B) | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No</td><td></td></tr> </table> | Page | | No | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 11. | Leaflets/Technical Brocheures of the
Products offered (<i>Item wise</i>) | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 12. | Copy of Import license (In case of Importer) | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 13. | Copy of Valid ISO Certificate | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 14. | Attested Photocopy of Up-to-date
CE / US FDA/BIS Certificate (<i>Item wise</i>)
(As per technical specification) | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 15. | Photocopy of PAN | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No</td><td></td></tr> </table> | Page | | No | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 16. | Photocopy of GST registration certificate | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No</td><td></td></tr> </table> | No | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No | | | | | | | | | | | | |
| 17. | Copy of original Tender and schedules, duly
signed by the Tenderer | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Page</td><td></td></tr> <tr><td>No.</td><td></td></tr> </table> | Page | | No. | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>Yes</td><td></td></tr> </table> | Yes | | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>No.</td><td></td></tr> </table> | No. | |
| Page | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | |
| No. | | | | | | | | | | | | |

Annexure II
(Refer Clause No. 3.2)

(To be submitted in *Cover A -Technical Bid*)

LIST OF ITEM(S) QUOTED

Sl.	Name of Item(s)	Name of Manufacturer	Make	Model Name	*Details of offered product at Page No. (s)

Signature of the Tenderer :

Date :

Official Seal:

--

Annexure IIA

(To be submitted in **Cover A -Technical Bid**)

DETAILS OF EMD(S) SUBMITTED

Sl.	Name of Item	EMD Amount (Rs.)
	TOTAL (Rs.)	

Signature of the Tenderer :

Date :

Official Seal:

ANNEXURE – III

(Refer Clause No. 3.5)
(To be submitted in *Cover A -Technical Bid*)

**DETAILS OF THE TENDERER & LOCAL CONTACT PERSON/ SERVICE
CENTRE**

	Corporate Office (The address in which the purchase orders and payment details will be communicated)	Address of Local Contact Person / Branch Office / Zonal Office / Address of Service Centre if any, in Odisha.
Name & Full Address		
Telephone Nos., landline		
Mobile		
Fax		
E – Mail		
Date of Inception	(Copy of Certificate of incorporation of Manufacturer)	
Name of the issuing authority		
Import License (in case of Importer only)		
GST validity	(Furnish photocopy of GST)	
PAN	(Furnish photocopy of GST)	
Details of the Service Centre Facilities (in Odisha)		

Signature of the Tenderer:

Date :

Official Seal :

ANNEXURE – IV

(To be submitted in *Cover A -Technical Bid*)

DECLARATION FORM

I / Wehaving
My / ouroffice
at.....do declare that I / We have
carefully read all the terms & conditions of tender of the _____, Odisha
for the supply of BMW equipment. The approved rate will remain valid for a period of
one year from the date of approval. I will abide with **all the terms & conditions** set
forth in the **Tender Reference no.** _____

I/We do hereby declare I/We have not been de-recognised / black listed by any
State Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health
Institutions for supply of Not of Standard Quality items / non-supply.

I/We agree that the Tender Inviting Authority can forfeit the Earnest Money
Deposit and or Performance Security Deposit and blacklist me/us for a period of 3
years if, any information furnished by us proved to be false at the time of inspection /
verification and not complying with the Tender terms & conditions.

I / Wedo
hereby declare that I / we will supply the _____ as per the terms,
conditions & specifications of the tender document. I / we further declare that I / we
have a service centre / will establish a service centre within one month of installation
of the equipment in Odisha.

Signature of the bidder :

Seal

Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public.

ANNEXURE – V

(To be submitted in **Cover A -Technical Bid**)
MANUFACTURER'S AUTHORISATION FORMAT

To

_____.

Ref: Tender No. _____ Dated _____ for _____.

Dear Sir,

We, _____ are the manufacturers of _____
_____ (name of equipment(s) and have the manufacturing factory at _____
_____.

1. Messrs _____ (name and address of the agent) is our authorized distributor for sale and service of _____ (name of equipment(s))
2. We confirm that **Messrs**_____ (name of the above distributor) is authorized to submit a tender and enter into a contract with you for the above goods manufactured by us.
3. We also extend our full warranty (3 years comprehensive warranty) and also full back-up support for 3 years AMC/CMC after the warranty period as required by the purchaser.
4. We undertake that we have adequate infrastructure and spare part support to carry out the warranty and AMC/CMC services and do accept to provide uptime guarantee of 95% as per this tender clause No. 13.1.

Yours faithfully,

(Signature with date, name and designation)

For and on behalf of Messrs _____
(Name & address of the manufacturers)

Seal
Note :

1. This letter should be on the **letterhead** of the **manufacturer** and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached to the technical bid.

(To be submitted in **Cover A -Technical Bid**)

ANNEXURE – VI

(To be furnished in the **letter head** of the Auditor/ Chartered Account)**ANNUAL TURN OVER STATEMENT**

The Annual Turnover for the last three financial years of M/s _____ who is a Manufacturer /Distributor/Importer (*Pl. tick whichever is applicable*) are given below and certified that the statement is true and correct.

Sl.No.	Year	Turnover in (Rs.)
1.	2017 - 2018	-
2.	2018 - 2019	-
3.	2019 – 2020	-

Average Annual Turnover (for the above three years) in **(Rs.)** _____

Date:
Place:

Signature of Auditor/
Chartered Accountant
(Name in SCB)

Seal

Membership No.-

Registration No. of Firm

Note:

- To be issued in the **letter head** of the Auditor/Chartered Accountant mentioning the Membership no.
- Separate certificates** should be furnished for **different manufacturer/importer** in case the bidder (authorized distributor) is quoting products of **different manufacturers/importers**. The authorized distributor has also to furnish his turnover statement in the above format.
- Balance sheet of the respective years should be attached for confirmation of the turnover figure.**

(To be submitted in *Cover A - Technical Bid*)

Annexure VII (Refer Clause no. 3.9)

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last **three years**)

ITEM WISE (Pl.s Furnish separate performance statement itemwise if the bidder quote for more than one item & attach the order copies alongwith each performance statement)

Tender Reference No. :

Name of Tenderer :

Name of Manufacturer : _____ Name of the Item : _____

Sl.	Order placed by (Address of purchaser) (attach documentary proof)*	Order no. & Date	Item Name	Make & Model	Qty	Value of Contract (Rs.)	Date of Completion		Reasons for delay if any	Have the goods been functioning satisfactorily (attach documentary proof)**
							As per contract	Actual		
1										
2										
3										
4										
			Total Qty							

Signature and seal of the Tenderer

* The documentary proof will be **copies of the purchase order** (during the last 3 years) indicating Contract No. and date along with a notarized certification (by the bidder) authenticating the correctness of the information furnished.

** The documentary proof will be certificate from the consignee/end user indicating Contract No. and date along with a notarized certification (by the bidder) authenticating the correctness of the information furnished.

(To be submitted in *Cover A -Technical Bid*)

Annexure VIIIA
(Refer Clause No. 3.10)

STATEMENT REGARDING DEVIATIONS FROM TECHNICAL SPECIFICATIONS (IF ANY)

Following are the Technical deviations and variations from the purchaser's Technical Specifications.

Sl. No.	Item Name	Clause of Technical Specification	Statement of Deviations / Variations if any
1			
2			

In case there is no deviation from technical specification, Pl. Mention ***No Deviation.***

Signature of the Bidder

Name :

Date :

Place :

Seal

(To be submitted in *Cover A -Technical Bid*)

Annexure VIII B
(Refer Clause No. 3.10)

DETAILS OF TECHNICAL SPECIFICATION OF THE PRODUCT (S) OFFERED BY THE BIDDER

Sl. No.	Item Name	Make	Model	Detail Specification of the product(s) offered* (Pl. Describe the detail specification of the product offered) – Para wise compliance to the technical specification asked for.	**Page no. of the Catalogue / Leaflet where Para wise compliance information as per technical specification is available
1					
2					

* Leaflets/Technical Brocheures/ of the product offered must be attached in support of the information provided above.

** It is mandatory to mention the page no(s) in the format as mentioned above.

Signature of the Bidder

Name :

Date :

Place :

Seal

ANNEXURE IX

(To be submitted in COVER B - PRICE BID)

[Note : Price schedule should be submitted in separate sheets for each item(s) quoted and sealed in separate envelopes. Each envelop should be superscribed with the *Item Name* & all the envelopes should be sealed in a outer Cover envelop superscribed as Cover B - Price Bid]

List of Enclosures to be submitted in Price Bid :

- 1) Price schedule format duly filled in and signed by the authorized signatory with company seal**
- 2) Price schedule for each item sealed in separate envelopes superscribed with Item Name**
- 3) Photocopy of up-to-date GST registration certificate**

To be submitted in Cover B – Price Bid

FORMAT - PRICE SCHEDULE

Whether depot. inside Odisha, i.e. GST paid to Government of Odisha: Yes / No

If Yes, Depot. Address

Name of the Item (s) (Items mentioned in the schedule of requirement)	Make & Model	Unit Price with all accessories which includes customs duty, packing, insurance, forwarding, transportation (door delivery) with 3 (three) years onsite warranty & excludes GST	CMC (excluding GST of Service GST) for three years after expiry of three years warranty period (please mention on yearly basis)	**Cost of Turnkey if any (all accessories for installation & commissioning including GST for turnkey in Rs. (Door delivery & installation)	*Total the I Pr C Tu (Ex
		Cost in Rs. (both in words & figures)			
(1)	(2)	(3)	(4)	(5)	6=
			1 st year after warranty: 2 nd year after warranty: 3 rd year after warranty: Total :		

Price of each item (s) quoted should be mentioned separately in separate sheet & should be sealed in separate cover.

*** GST which will be chargeable on the price (3) shall be mentioned separately in column 7 above.**

**** The cost of turnkey shall only be quoted if any specific accessories/equipment is required for installation of turnkey, the details of accessories/equipment are to be mentioned.**

CMC should be quoted for the items as mentioned follows.

Date :

Place :

1. Rates should be quoted both in figures & words for each item and if there is any discrepancy, the quoted rates shall be for evaluation.

ANNEXURES

(Agreement, Warranty and CMC undertaking to be submitted at the time of award of contract)

AGREEMENT

THIS AGREEMENT IS MADE AT _____ THIS THE DAY OF _____ 2021

BETWEEN

Name of the Supplier
with full address

Here in after called the “Supplier(s) _____” as 1st Party

AND

The SUPERINTENDENT SCBMCH I
Name of the District :

Represented through the

_____ / **THE CONSIGNEE**
Hereinafter called the “PURCHASER” _____ as 2nd Party.

Relying on the documents and representation of facts connected to the issue of aforesaid parties to undertake the responsibilities of sell and purchase of following equipment(s) etc. with the terms & conditions hereinafter laid down.

And whereas the 2nd party “Purchaser(s)” is willing to purchase

Name of the Item:

Specifications: As per specifications laid down in the Tender terms & conditions

The Supplier(s) has agreed to sell the equipment(s) completed in all respects according to the Tender requirements and their / his offer dtd. _____ and the Supplier(s) has also agreed to install to make them operative at the destination mentioned in the Tender document with the following descriptions and their cost mentioned against each.

<u>Description of goods</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
-----------------------------	------------	--------------	--------------

The price / cost of the item also include the followings in addition to above.

1. Insurance
2. Freight
3. Transportation
4. Customs duty / Excise duty
5. Charges for documents, instructions manual, tools
6. F.O.R. at the destinations mentioned in the consignee list
7. Training to doctors & technicians.

8. Maintenance of the system includes all accessories supplied and their spare parts required during comprehensive warranty period of three year at free of cost from the date of successful installation and satisfactory functioning of the system at the site.
9. Installation and commissioning of the system by the Supplier's engineer at site.
10. Any other charges including loading & unloading, packing & forwarding etc. will be paid by the Supplier(s) till the completion of the installation and turnkey job if any.

CMC cost for next 3 (three) years after the warranty period shall be paid after completion of the warranty period (on a six monthly basis).

TERMS AND CONDITIONS:-

PRICE :

Only the price quoted by the Supplier(s) in his / their financial proposal will be the price for payment and no other price escalation will be allowed at any circumstances.

SUPPLY

The supply should be completed within 30 days from the date of issue of purchase order unless otherwise specified. If no supply is received even after 58 as an extension with liquidated damage from the date of issue of the purchase orders such orders will stand cancelled automatically without further notice. Penalties shall also thereafter be applied to the tenderer as specified under Penalty. The approved firm shall also suffer forfeiture of the EMD and Performance Security Deposit.

LIQUIDATED DAMAGE :

The SUPERINTENDENT SCBMCH may allow extension for a maximum period of 4 (four) weeks (28 days), after the stipulated date of supply (i.e. 30 days) with a penalty of 0.5% which will be deducted from the purchase order value as "Liquidated Damage", for each week (7 days) of delay upto a maximum 2% on the value of the goods.

If the supplier fails to complete the supply within the extended period, i.e. 58 days after being allowed by the purchaser, no further purchase order will be placed to the firm for the said item including forfeiture of the Performance security and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

TERMS FOR PAYMENT :-

A. The payment(s) shall be made by purchaser in Indian currencies. No advance payments towards cost of Instruments and Equipments etc. will be made to the tenderer. No payment will be made to the supplier if he has not deposited the unconditional performance security in shape of Bank draft/bank guarantee amounting to 10% of the purchase order value which will be deposited with the O/o of the SUPERINTENDENT SCBMCH-Cuttack.

90% of the cost of the equipment (excluding CMC Cost)+100% turnkey +100% GST shall be released to the supplier on receipt of stock entry certificate and installation certificate (that it is working) from the consignee. The remaining ten percent (10%) will be released after satisfactory working certificate received from the consignee after 6 weeks of installation subject to submission of performance security (10% of P.O. Value). For this purpose the supplier will submit two bills, one 90% of the cost of the equipment+100% turnkey +100% GST and the other for the remaining ten percent (10%) of the cost of the equipment.

B. Before release of payment the supplier has to submit the signed agreement, warranty documents of equipment and turnkey job to the consignee. The undertaking as per Annexure – XI & XII will also be submitted to the consignee with photocopies to the purchaser.

C. The payment of CMC will be made on six monthly basis after expiry of the warranty period and signing of the CMC agreement.

TURNKEY JOB:

The external power supply will be provided by the purchaser but the internal wiring and electrical fittings inside the room for installation & commissioning of the equipment and accessories will be provided by the supplier without any extra cost (This cost is to be included in the cost of turnkey).

UP-TIME BALANCE :

The Supplier (s) shall provide guarantee 95% uptime i.e. 41610 (95% of 43800 Hours) during comprehensive warranty period. The up time guarantee will be 95% as calculated here under i.e. 8322 hours per annum.

1 year – 365 days (24 working hours per day)

Total working time per annum – 365 days x 24 hrs = 8760 hrs.

Up time guarantee - 0.95 x 8760 hrs. = 8322 hrs. per annum.

For 2 years warranty = 8322 x 2 = 16644Hours

Any uptime less than specified above will be compensated by the Supplier(s). The consignee shall maintain a log-book in the format provided by the Supplier(s) which will indicate usage of the equipment every day and for calculation of up-time.

DOWNTIME PENALTY CLAUSE:

During the Guarantee / warranty period, desired uptime will be 95% of 365 days (24 hour) if downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied. The vendor must undertake to supply all spares for optimal upkeep of the equipment for **THREE YEARS** from the date of installation at the site. If accessories / other attachment of the system are procured from the third party, then the vendor must produce cost of accessory / other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the consignee if required.

In no case equipment should remain in non-working condition for more than 7 working days.

The manufacturers or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

COMPREHENSIVE WARRANTY :

This warranty shall remain valid for three (3) years from the date of installation & commissioning of the machine / item. The Warranty certificate must be submitted at the time of installation to the consignee with a photocopy to the purchaser.

The warranty will cover all the parts of the machine or item and any replacement or repair required within the warranty period will be provided by the supplier free of cost at the destination point (Installation point). The supplier will take back the replaced parts / goods at the time of their replacement. No claim whatsoever shall be on the purchaser for the replaced parts / goods thereafter. No traveling allowances or transportation cost will be paid by the purchaser during warranty period.

The Supplier warrants that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials (even if the advanced facilities are not mentioned in our product specification). The Supplier further warrants that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship (except when the design and / or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination.

The Purchaser / consignee shall promptly notify the Supplier in writing / Fax / Telephone of any claims arising under this warranty.

Upon receipt of such notice, the Supplier shall with all responsible speed will repair or replace the defective goods or parts thereof without cost to the purchaser to maintain its UP TIME offered in the beginning of purchase otherwise penal provisions shall apply if the supplier fails to keep up its UP TIME.

If the Supplier, having been notified, fails to remedy the defect(s) within 10 days, the Purchaser may proceed to take such remedial action as may be necessary, like forfeiture of EMD or recovery from security deposit the amount of loss (which will be decided by the SUPERINTENDENTS) incurred by the purchaser.

The supplier should provide two no's of preventive maintenance visit in a year during this warranty period. Necessary maintenance log book has to be maintained

COMPREHENSIVE MAINTENANCE CONTRACT:

The supplier will provide CMC for 3 (three) years after the completion of 3 years comprehensive warranty period.

The supplier should provide two no's of preventive maintenance visit and any no's of on call visit without any claim in a year during this CMC period. Necessary maintenance log book has to be maintained.

INSTALLATION AND DEMONSTRATION :

The installation and demonstration of the equipment shall be done by the Supplier(s) at free of cost at the installation site of the respective institutions.

TRAINING :

Supplier(s) shall impart adequate training to 2 doctors and 2 technicians at the site / his / their factory / workshop inside / outside India as the case may be at the Supplier(s) cost.

INCIDENTAL SERVICES :

The Supplier(s) shall abide by the terms and conditions under incidental services & the installation of Instrument / Equipment at the destination point (Door Delivery) of consignee and demonstrate the machine in working condition to the receiving authority.

Furnishing of tools required for assembly and / or maintenance of the supplied Instruments / Equipments.

Furnishing of detailed operations and maintenance manual literatures for each appropriate unit of supplied Goods.

Performance or supervision or maintenance and / or repair of the supplied Goods, for a period of three (3) years i.e. the warranty period, provided that this service shall not relieve the Supplier of any warranty obligations under this contract.

The successful supplier shall replace any part or whole system as may be necessary in the event of damage during transit or found damaged on arrival or during installation of the system or if found not in conformity to the specifications at his / their own cost.

The tenderer should furnish an undertaking to the effect that he / they should take responsibility after sales service of the equipments / instruments to be supplied by him / them and to provide spare parts for up keeping the Equipments / Instruments for a minimum period of 10 years from the date of installation.

The price of the instruments / equipments is inclusive of warranty for a period of 3 (three) years commencing from the date of installation. The tenderers shall submit undertaking for C.M.C (Comprehensive Maintenance Cost) for a period of 3 (three) years from 3rd year onwards duly signed by authorised signatories for the execution at appropriate time (Annexure – X & XI).

SPARE PARTS :

The supplier will provide all the spare parts, repairing & maintenance by its trained personnel after the warranty period (3 years) during the CMC period.

GOVERNING LANGUAGE :

The contract shall be written in English language. English language version of the contract shall govern its interpretation. All correspondences and other documents pertaining to the contract which are exchanged by the parties shall be written in English.

DELIVERY OF DOCUMENT :

Four (4) copies of the Supplier invoice / bills showing purchase order number, good's description, quantity, unit price, total amount with stock entry certificate by the consignee.

Photocopy of the Insurance Certificate if any (The Original Certificate is to be given to the Consignee).

Attested Photocopy of Manufacturer's / Supplier's warranty certificate. (The original warranty certificate is to be submitted to the consignee at installation point).

INSURANCE :

For delivery of goods at site, the insurance shall be obtained by the Supplier(s) in an amount equal to 110% of the value of goods from “Warehouse” (final destination) on “All Risks” basis including natural calamities.

PACKAGING :

The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packaging shall be sufficient to withstand without limitation rough handling during transit and exposure to extreme temperature, salt and precipitation during transit and upon storage. All primary packaging containers which come in contact with the item should strictly protect the quality and integrity of the Instruments & Equipments. Packing case size and weights should be taken into consideration, in case of remoteness of final destination and the absence of heavy handling facilities at all points in transit.

The packaging marking shall show the description of quantity of contents, the name of the consignee and address, the gross weight of the packages, the name of the supplier with a distinctive number of marks sufficient for purposes of identification. Each package shall contain:

- i. a packaging note quoting the name of the purchaser
- ii. the number and date of order
- iii. nomenclature of the goods
- iv. Schedule of parts for each complete equipment giving part number with reference to assembly.
- v. Name & address of the consignee
- vi. Name & address of the supplier.

TERMS OF CONTRACT :

The SUPERINTENDENT will be at liberty to terminate the contract either wholly or in part without assigning any reason. The tenderers will not be entitled to any compensation whatsoever in such terminations.

PENALTIES :

If the successful tenderer fails to execute the agreement and / or deposit the required security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons, he is unable to undertake the contract, his contract will be cancelled and the Earnest Money Deposit deposited by him along with his tender shall stand forfeited and he will also be liable for all damages sustained by the SUPERINTENDENT, by reasons of such breach, such as failure to supply / delayed supply including the liability to pay any difference between the prices accepted by him and those ultimately paid for the procurement of the articles concerned. Such damages shall be assessed by the SUPERINTENDENT, whose decision is final & binding in the matter.

If any articles or things supplied by the tenderer have been partially or wholly used or consumed after supply and are subsequently found to be in bad order, unsound, inferior in quality or description or are otherwise faulty or unfit for consumption / use & rusted then the contract price or prices of such articles on full will be recovered from the tenderer, if payment had already been made to him or the tenderer will not be entitled to any payment for that item & no further order will be given to him. For infringement of the stipulations of the contract or for other justifiable reasons, the contract may be terminated by the SUPERINTENDENT and the tenderer shall be liable for all losses sustained by the SUPERINTENDENT, in consequence of the termination which may be recovered from the Security Deposit made by the tenderer or other money due or become due to him.

Supply of sub-standard items or non - performance of tender terms & conditions will disqualify a firm to participate in the tender for the next five years.

ARBITRATIONS :

In the event of any dispute out of the contract, such dispute should be subject to the Jurisdiction of the High Court, Odisha.

CHANGE OF TERMS AND CONDITIONS :

Any amendment to the terms & conditions and clauses of the agreement if required must be done in writing duly signed by the two parties.

IN WITNESS WHERE OF the parties herein to have set and subscribed their respective hands the day and year first herein above written.

Executed by Purchaser (s) / Consignee

Executed by Supplier(s)

In presence of (Witness)

In presence of (Witness)

(Refer Clause No. 11.1 to 11.6, 13.1)

WARRANTY / GUARANTEE /CMC UNDERTAKING
(to be submitted on Rs.50/- stamp paper)

Tender ref. No. _____

Name of the equipment:

Date of Installation:

Name of the Consignee:

Name of the purchaser:

I / we / M/s _____ hereby
declare that

- i. I / we do Accept / Agree for the warranty / guarantee (3 years Warranty followed by 3 years CMC (Spares + Labour) as per this tender clause No. 11.1 to 11.6.
- ii. I / we will not charge / quote any extra price on account of the above said warranty / guarantee.
- iii. I / we do accept / agree to provide uptime guarantee 95% as per this tender clause No. 13.1.
- iv. The 3 year comprehensive warranty is valid from dt. _____ to dt. _____.
- v. The 3 year CMC is valid from dt. _____ to dt. _____.

Date:

Place:

Signature of the competent authority

on behalf of the company / firm.

Seal of the firm.

N.B: 1. To be attested by Notary Public

2. Only to be submitted by the approved supplier / tenderer to the consignee and a copy to the purchaser before release of payment.

UNDERTAKING

(to be submitted on Rs.50/- stamp paper)

Tender ref. No. _____

Name of the equipment:

Date of Installation:

Name of the Consignee:

Name of the purchaser:

Sir,

I / we _____ hereby declare that

1. I / we am / are the manufacturers / authorized agents / distributors of _____.
2. I / we do accept / agree for the all clauses including the warranty 3 years followed by 3 years CMC) and payment terms and conditions of this tender.
3. I / we do hereby confirm that the prices / rates quoted are fixed and are at par with the prices quoted by me / us to any other Govt. of India / Govt. of Odisha Hospitals . I / we also offer to supply the stores at the prices and rates not exceeding those mentioned in the price bid.
4. I / we agree to abide by my / our offer for a period of 365 days from the date of approval of the tender.
5. I / we have necessary infrastructure for the maintenance of the equipment and will provide all the accessories / spares as and when required.
6. I / we also declare that in case of change of Indian Agent or for any other change, merger, dissolution solvency etc. in the organization of our foreign principles, we would take care of the Guarantee / warranty / maintenance of the machinery / equipment and have provided written confirmation for the same.
7. I / we shall provide assistance to the consignee in clearance and delivery of store at consignee's stores / premises.
8. The demurrage / storage charges, if any, payable to the customs department, due to non-receipt of required documents in time by the hospital / delay due to incorrect entries, mistakes to the documents etc. shall be borne by me / us.

9. I / we have carefully read and understood all the terms and conditions of the tender and shall abide by them.
10. I / we undertake to get the equipment's repaired within 48 hours of receiving of the complaint from the indenting hospital / consignee failing which a penalty @ 1% of the cost may be recovered from the performance security before releasing the same to us after 3 years warranty period.

Signature of the witness
Name & address

Signature of the Tenderer
Name & address

Dated

Seal of the firm.

N.B: 1. To be attested by Notary Public

2. Only to be submitted by the approved supplier / tenderer to the consignee and a copy to the purchaser before release of payment.