



GOVERNMENT OF WEST BENGAL
OFFICE OF THE PRINCIPAL
DEBEN MAHATA GOVERNMENT MEDICAL COLLEGE & HOSPITAL
Vill.:Hatuara, P.O.:Vivekananda Nagar, P.S.:PuruliaMuffasil,PIN: 723 147
pgmch.edu.in; prinpuruliagmch@gmail.com

Memo No: DMGMCH/PRL/

Dated: June , 2021

NOTICE INVITING -E- TENDER FOR PROCUREMENT OF 1 (ONE) CSSD ON TURN KEY BASIS BY THE PRINCIPAL, DEBEN MAHATA GOVERNMENT MEDICAL COLLEGE & HOSPITAL

(Submission of Bid through NIC e tender portal)

Principal, Deben Mahata Government Medical College & Hospital invites bids through E- tenders in two bid systems (Technical and Financial Bid) for procurement of above mentioned items. For details and downloading of tender, interested parties may please visit website: <http://wbtenders.gov.in> (Organization-Health & Family Welfare Department). For any further assistance, please visit o/o the Deben Mahata Government Medical College & Hospital schedule on & from 26.06.2021 to 26.07.2021.

1. GENERAL INSTRUCTIONS:

In the event of e-filing, intending bidder may download the tender documents free of cost from the website <http://wbtenders.gov.in> in directly with the help of Digital Signature Certificate or from the Health & Family Welfare Department's website www.wbhealth.gov.in & necessary earnest money issued from any nationalized bank/scheduled bank in India payable at Purulia drawn in favour of Deben Mahata Government Medical College & Hospital and also to be documented through e-filing.

2. SUBMISSION of BIDS:

Both Technical bid and Financial Bid are to be submitted concurrently duly digitally signed by the Company personnel only (having Authorization from the company management) in the website <http://wbtenders.gov.in>. All papers must be submitted in English language with Page Marking.

3. The e-tender shall be evaluated under the two-bid system i.e. through evaluation of technical and financial bid uploaded by the bidder online on the e-tender websites of <http://wbtenders.gov.in>

Evaluation of the tenders

During the tender evaluation process, Technical Bid will be opened first and Financial Bid will be opened subsequently. Those bidders who have qualified in respect of the essential and other requirement in Technical Bid will be identified and their Financial Bid will be opened. The tenderers offering the item found suitable and as per the tender specification will only be selected on the basis of physical verification ifrequired. In case it is found that two or more bidders have quoted the same and that happens to be lowest, the lowest bidder will be decided by draw of lots. THE DECISION OF TENDER SELECTION COMMITTEE WILL BE FINAL IN THIS MATTER.

ELIGIBILITY FOR QUOTING:

Only Manufacturers, Direct Importers, authorized distributors are eligible for quoting. The price is to be quoted in Indian Rupees including cost of insurance, custom duty, packing, forwarding, freight charges, clearing charges and installation of the new instrument and dismantling charges.

SUBMISSION OF THE TENDERS:

The tender is to be submitted in a Two Bid System.

Technical Proposal:

1. **"BID A": Technical Documents:**

STATUTORY COVER, containing the following documents:

A	Scan copy of Demand Draft of Rs- 4,00,000/- (Four Lakhs) in favour of DEBEN MAHATA GOVERNMENT MEDICAL COLLEGE & HOSPITAL, PURULIA as 2% Earnest Money for the whole tender or EMD Exemption NSIC Certificate /SSI (MSME) ACKNOWLEDGEMENT MUST be submitted.
B	Application in the prescribed format given in Annexure I
C	CHECK LIST in the prescribed format given in Annexure II
D	Authorization letter from Company for authorized signatory Copy of agreement signed between the tenderer and the Distributor should be attached in Annexure III

OTHER- STATURORY COVER Containing the following documents:-

(a) Company Specific Technical Documents: (SINGLEFILE MULTIPLE PAGES SCANNED)

SI No	Category	Sub Category	Sub Category Description
A	Certificates	AI. Certificates	<ol style="list-style-type: none">Valid 15 digit GSTN (Provisional allowed) and PAN Card of the Bidder/ Authorized Signatory (Digital Signatory Holder)Enlistment of Valid Trade Licence from competent authorityProfessional Tax Enrolment with paid Challan FY 2019-20

B	COMPANY DETAILS	BI. COMPANY DETAILS	1. Partnership Deed for such type of firm/Company Registration from RDI
C	CREDE NTI AL	CI: CREDE NTIAL	Experience in supplying same articles in Govt. undertakings (Copy of Work orders)
	FINANCIAL INFO	DI. Payment certificates and Balance sheet	Income Tax Returns submitted for the last 3 financial years.
			1. P/L A/C & Balance sheet for the Last 3 financial years (Turn Over 20 Lakh) Audited by CA

Please Note,

A. The documents are to be submitted with self attestation and seal.

B. Bidders are also requested to check the quality of the scanned documents before uploading. Any documents or its part, found illegible will be treated as blank document and will not be reckoned as valid document.

2. "BID B ": FINANCIAL COVER: BOQ (Bill of Quantity)

The folder as "Financial Bid" shall contain: The bidder shall quote the price in the space marked for quoting prices in the BOQ. Base Rate per Accounting Unit should be quoted inclusive of GST.

Time Schedules for the e-tender

The time schedule for obtaining the bid documents, pre bid meetings, registration with the tendering authorities, the submission of bids and other documents etc. will be as per the list provided as given below:

Date and Time schedule of e-Tender:

Sl. No	Particulars	Date & Time
1	Date of online publishing NIT & Other documents	26.06.2021 at 3 pm
2	Online documents download start date	26.06.2021 at 4 pm
3	Online document download end date	22.07.2021 at 2 pm
4	Online bid submission start date	26.06.2021 at 4 pm
5	Pre-bid meeting to be held at office of Tender Inviting Authority	07.07.2021 at 12 pm
6	Online bid submission & documents download end date	22.07.2021 at 3 pm
7	Dates for submission of Earnest Money deposit/ EMD exemption those having SSI (MSME) Part II or NSIC certificate in sealed cover at office of Deben Mahata Government Medical College & Hospital	26.06.2021 at 3 pm to 22.07.2021 3 pm
8	Online bid opening date for Technical proposals	23.07.2021 at 12 pm
9	Date of online uploading list for Technically qualified Bidders	24.07.2021 at 2 pm
10	Date of online opening of Financial Proposal	26.07.2021 at 2 pm

Terms & Conditions of the Tender

Minimum Eligibility Criteria

- Only those Supplier (having Trade License for such type of business) who have experienced in such type of job of at least 3 Years will be eligible.
2. b) Only those Firms who have such type of experience in supplying same articles in Govt. Organization or Semi-govt. or Govt. undertakings [Credential Certificate(s) against the order copy should be uploaded].
 3. c) Bidder will require to deposit Rs. 4,00,000/- (Four Lakhs) only as Earnest Money in the form of Single Demand Draft at any Nationalised Bank in the favour of "DEBEN MAHATA GOVERNMENT MEDICAL COLLEGE & HOSPITAL PURULIA DISTRICT" Payable at Purulia. EMD exemption is allowed those having SSI (MSME) Part II or NSIC certificate. [DD/Bankers cheque in original or self attested Photocopy of SSI (MSME) Part II or NSIC certificate instrument should submit offline within specified date]
 4. Any co-operative without having proper permission (from Competent Authority for such job) of concerned business will not be entitled to get any rate preference.
 5. Documents required for Technical Bids are mentioned in specimen Form of Technical Bid.
 6. Rate (s) to be quoted against each specified item as mentioned in Financial Bid (BOQ) Form.
 7. The successful tenderer (s) will have to deposit Security Money @ 10% of the total order value in the form of Pay Order/Bank Draft in favour of "Deben Mahata Government Medical College & Hospital, Purulia" within 7 (Seven) days of acceptance of the offer.
 8. The unsuccessful tenderer(s) will receive their earnest money back in time. The earnest money will be refunded after the deposit of full amount of the Security Money by successful Tenderer(s).
 9. The Earnest money will be forfeited if the tenderer(s) withdraw(s) the tender after opening of bids.
 10. The Security deposit of the successful selected tenderer may be forfeited for failure to supply within specified time and or, for supplying unsatisfactory articles in quantity and quality.
 11. Annexure I of NIT to be furnished in the Company's official letter pad with full address and contact no / email address etc. otherwise it will be treated as cancelled.
 12. Bidders will have to be present with original requisite documents in support of uploaded documents for verification, if asked for.
 13. Validity of Tender will normally be 1 year (365 days) from the date of acceptance of tender.
 14. The successful bidder will be bound to supply the item(s) within specific dates, mentioned in the procurement order.
 15. Interested bidders for enquiry regarding Specification or any others may be mail to Principal, Deben Mahata Government Medical College & Hospital through email to prinpuruliagmch@gmail.com within seven working days from the date of online floating of the tender.
 16. All terms and conditions as mentioned above will have to be accepted by the Tenderer(s).
 17. E- Tender should be addressed to the Principal, Deben Mahata Government Medical College & Hospital, Purulia; Bidders may download tender enquiry documents from the website www.wbhealth.gov.in.
 18. Any subsequent notice regarding this tender shall be uploaded in ww.wbtenders.gov.in website only. In the event of any of the above mentioned dates being declared as a holiday for the DEBEN MAHATA GOVERNMENT MEDICAL COLLEGE, PURULIA the tenders will be opened on the next working day at the appointed time or as desired by Tender selection Committee.

19. Spare Parts

The Bidder will undertake with the authentication from Principal/Manufacturer Firm that supplies of necessary maintenance equipment and spare parts will be made available for all items/equipments and the complete system for at-least ten years on a continuing basis and also mentioning the cost of consumables /spares parts with validity of offer. However, this does not relieve the supplier of any warranty obligations under the contract.

20. GUARANTEE / WARRANTY PERIOD:

The tenderer must quote for a price which includes the cost of 5Yearsonsitewarranty(including the cost of Spare parts) from the date of completion of the satisfactory installation.

All faults appearing and their rectification shall be periodically advised to the laboratory, the period being not more than a month.

Any lacuna or lacunae noticed in the functioning of the installation as a result of any design feature shall be rectified by the supplier free of cost.

21. After Sales Services and Maintenance Contract

After sales services will be provided by the supplier during and after guarantee period of the equipment.

22. Delivery, Installation and Commissioning

Delivery of the goods at the purchaser's premises shall be completed by the Supplier in accordance with the terms specified by the purchaser.

The installation, testing and commissioning of the proposed system shall be completed in accordance with the order.

In case of distributor, the firm should be direct distributor from the principal's. The sub distributor authority by distributor will not be accepted at all.

23. SPECIAL TERMS AND CONDITIONS FOR TENDERSUBMISSION

The tenderer should have been in this business for a period of at least two years in the country in relation to the type of equipment for which the quotations / tenders are being submitted.

A proof of ownership/partnership etc. shall be submitted along with verification of address, telephones and fax numbers.

The tenderer should submit statement of financial standing from their bankers. The name of the bank along with full address is to be furnished.

The supplier should submit a statement of overall turnover for the previous three years. If applicable a copy of the applicant's annual report and accounts for each of the last three years should also be submitted.

The tenderer is also required to submit performance report from other similar organization where the firm is registered for supply and erection of similar projects of hospital equipment/system. He will also submit list of organizations where the System has been installed by the firm in the last two years.

The tenderer has to give a certificate that the firm has not been blacklisted in the past by a Institution Government/Private or convicted in any criminal case.

If the tenderer gives a false statement on any of the above information the firm/supplier will not be considered and their quotation/tender shall be rejected and the security deposited shall be forfeited.

The manufacturer should submit all the quotations directly or through their authorized agent where applicable provided the manufacturer accepts responsibility for any lapse on the part of the agent and authorization certificate must be enclosed.

Quality assurance certification like ISO 9000 / CE/FDA series should be enclosed wherever applicable.

24. PENALTY CLAUSES-

PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT/ MISLEADING DOCUMENTS:

If during the tender process or at any state during the validity of the tender period, it is found that a Tenderer(s) has formed a cartel in what so ever form or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against those tenderers who have submitted false/ misleading/ fraudulent documents or made incorrect declarations. The penal measure will be Forfeiture of Earnest Money, Forfeiture of Performance Bank Guarantee if enlisted as a supplier.

25. APPEAL:

Appeal against the decision of the Principal, Deben Mahata Government Medical College, West Bengal and to impose such a penalty will lie with Tender Selection Committee. Review against the decision of the T.S.C. will lie with Health & F.W. Deptt. of the Govt. The Special Secretary/Secretary/Principal Secretary will be the appellate authority within the Department of Health & Family Welfare, Government of West Bengal. Before imposing any penalty as per clauses 21, 22 and 23 the concerned supplier may appeal to the authority citing the proper reasons for non- imposing the penalty as stated.

26. AGREEMENT:

On a tender being accepted, intimation of acceptance will be forwarded to the Tenderer by Deben Mahata Government Medical College. After communication of the same, the Tenderer and the selected distributor (in the event of distributor to receive order and payment in his name) will have to execute agreement in the prescribed form with the Principal, Deben Mahata Government Medical College, West Bengal. In case any direct purchasing unit wishes to go for a separate agreement the head of the purchasing unit must get written permission to that effect from his controlling authority. This present document and the tender forms filled in by the Tenderer or copies thereof in so far as they are not inconsistent with these terms & Conditions will be incorporated as part of the agreement. Such agreement will be binding on the Tenderer and distributor.

27. VALIDITY PERIOD OF AGREEMENT:

The contract period will be up 2 years from the date of publication of tender notice

28. PERFORMANCE BANK GUARANTEE'

The performance bank guarantee will be mandatory for all suppliers and will not be waived in any case.

The successful tenderers shall be required to furnish the 'Performance Bank Guarantee' @ 5% of base rate per item for which the Tenderer has been selected as suppliers Security deposit.

29. INSPECTION:

Before submitting the tender, the intending tenderers should have thoroughly acquainted themselves with the proposed supply and installation by local inspection of site and

make into consideration the site condition and other criterion for effecting smooth supply. No claim whatsoever will be entertained afterwards.

30. PAYMENT TERMS:

Payment will be made through e payment system through ECS/RECS/RTGS after execution of due supply as ordered subject to:

Submission of Performance Bank Guarantee in terms of Clause 21 and subject to penalty clause in terms of Clauses 17.

Supply of the materials as per specification as provided in the tender documents and the catalogue. Supply of the materials within the supplied period as specified in the work orders.

The status of orders, Goods received note and payments will be available on-line for the vendors in the vendors portal in the Departmental website www.wbhealth.gov.in: Vendor Portal.

On being selected, the successful vendors will have to submit one application to the Principal, Deben Mahata Government Medical College and concerned procuring authorities stating name of the payee/ recipient, Bank account no with MICR code, IFSC of the payee/ recipient for making e payment. No manual payment is allowed to be made as far as practicable.

In case of letter of credit (LC), purchaser' bank issues Guarantee of Payment against LC opened in that bank to the Suppliers bank for payment as mutually agreed by both the purchaser and the supplier.

Payment will be made 100% after completion of satisfactory installation/commissioning etc. certified by the authority of DMGMCH.

- i) Supplier's invoice in original
- ii) Packing List
- iii) Certificate of Country of origin
- iv) Manufacturer's guarantee and inspection certificate
- v) Insurance Certificate
- vi) Name of vessel/carrier
- vii) Bill of Landing/Airway bill
- viii) port of Loading ix) Date of shipment

31. Financial Bid is attached herewith (BOQ).

32. All the terms and conditions as mentioned above will have to be accepted by the Tenderer(s).

33. The authority reserves the right to accept or reject any tender in part or in full or even the entire tender process at any time prior to the award of contract without assigning any reasons thereof.



Principal

Deben Mahata Government Medical College & Hospital
Purulia

Annexure - I
Application Format

To,
The Principal
Deben Mahata Government Medical College & Hospital
Purulia

Sub: E – tender for procurement of 1(one) CSSD on turnkey basis by the Principal, Deben Mahata Government Medical College & Hospital

Ref:

Having examined the pre-qualification & other documents published in the N.I.T. , I /we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me / us on behalf of _____ In the capacity _____ by me or duly authorized to submit the offer.
2. That I /We accept the terms and conditions as laid down in the NIT mentioned above and submitted with rubber stamp & signed as uploaded and declare that I/we shall abide by it throughout the tender period.
3. I am/we are offering rate(s) for the following item / items with manufacturing capacity" and assured supply to the PRINCIPAL of DEBEN MAHATA GOVERNMENT MEDICAL COLLEGE & HOSPITAL, PURULIA
4. In the event of being selected, I will make the supply within the stipulated period excepting the condition which is beyond our control.
5. We understand that:
(a) Tender Selection Committee of Deben Mahata Government Medical College & Hospital can amend the scope & value of the contract bid under this project.
(b)Tender Selection Committee of Deben Mahata Government Medical College & Hospital reserves the right to reject any application without assigning any reason.

Date:
Mobile No:

Signature of applicant including title and capacity
in which application is made

Annexure - II
CHECK LIST

[All points are to be filled up; no places are to be kept vacant. For statutory clearances/registrations not applicable, mention NOT APPLICABLE / "NA" instead of keeping blank.]

1. Name of the work	
2. Tender Notice No	
3. On line document download ended	
4. Name of the institution tendered for	Principal, Deben Mahata Government Medical college & Hospital, Purulia
5. DD No. for Earnest Money with Date and drawn at/ IF EXEMPTED WRITE "NA"	
6. Are you exempted from EMD (Y/N)	
7. Name of the bidder in block letter as in DSC	
8. Full address	
	E- Mail -
	Telephone No/ Mobile No-
	Fax -
9. Godown Address (IF ANY)	
10. Legal entity of the bidder whether firm/ Society/ Company/ other entity	PROPRIETORSHIP/ PATNERSHIP/PVT LTD/LTD. OR OTHER (PLEASE WRITE APPROPRIATE CAPACITY)
11. Trade Licence Issuing Authority with whom registered	
12. TL License No.....	Valid up to
13. P. Tax enrolment No.	Paid up to
14. Name & address of the banker of the bidders	
15. a) PAN No./ TAN NO. b) CST VAT No. & PROVISIONAL	
16. 3 years of Experience in supplying similar items.	Yes No
17. Black Listed by any Govt. Authority Govt. Undertaking at any time. If yes, provide details	Yes No
18. Has the firm or principal employees convicted in our have pending in any court any vigilance matter. If yes, provide details.	Yes No

19. Any litigation against the Firm or its proprietors or its principals? If yes, If Yes, provide details.	Yes	No
20. Any other relevant information wish to Submit		
I have gone through the eligibility criteria for participating in the tender and certify that all the conditions have been fulfilled.		
I have read the General & Special Terms & conditions, including the penal provision, as given in the tender documents as per tender notice quoted above. I have accepted them and agree to abide them. I also do agree to abide by agreement as imposed by the DEBEN MAHATA GOVERNMENT MEDICAL COLLEGE & HOSPITAL, PURULIA if declared successful in my bid.		

I certify that the above information is correct and true to the best of my knowledge and belief. Nothing has been concealed, false fabricated and in case of information found incorrect later on. I the under signatory will be personally responsible for the same.

Date:

Full Signature of the bidder/ Authorized Person & Seal

ANNEXURE -III

Authorization letter from Company for authorized signatory Copy of agreement signed between the tenderer and the Distributor.

TECHNICAL SPECIFICATION OF CSSD ON TURNKEY PROJECT

- A. **SCOPE OF WORK:** This work is planned as a turnkey job, which includes supply, installation and commissioning of the equipment and all associated civil, mechanical, electrical, air conditioning and interior furnishing jobs.

B. REQUIREMENT OF MACHINERY:

- i. Steam Sterilizer 550 - 600 litres, single door x 1no
- ii. EtO Sterilizer 200 Litres x 1no
- iii. Washer disinfecter 300-350 Litres, double door 1no
- iv. Ultrasonic cleaner 40 - 45 Litres x 1no
- v. Heat Sealing Machine x 1no
- vi. Spray Gun Rinser x 1no
- vii. Multi-roll Tape Dispenser x 1no
- viii. Inspection Lamp with magnifier x 1no
- ix. Gauze Cutting Machine x 1no
- x. CSSD Furniture's and all other necessary furniture required for the facility to be included in turnkey (details in specification list).
- xi. Reverse Osmosis plant 1500 LPH x 1 No with storage tank capacity of 3000 litres should be supplied with 1 no Booster Pump.

C. SPECIFICATION

1. STEAM STERILIZER (1 No):

It should be fully automatically controlled single door Steam Sterilizer and should be horizontal in size with pre and post-vacuum treatment having chamber capacity of approx 550 - 600 liters carrying 08 STU's per cycle. The sterilizer should have inbuilt electric Steam Generator and vacuum pump.

It should be ergonomic and user-friendly design and loading height should not be more than 800 mm, in- built to use touch screen at ergonomic height for user.

The sterilizer should have single door pneumatically operated vertical sliding doors. Pneumatic door cylinder should be in stainless steel for eliminating the risk for particles which can be a problem when the door is operated via chains that have been lubricated.

Door Safety Systems:

1. Pressure monitoring system should be available in the chamber to monitor the chamber pressure before opening of the door. Chamber should be completely depressurized before the door seal is retracted by vacuum. Should have an essential safety feature that when the door seal is retracted the chamber is completely vented to atmosphere while the door is still retained in the fully closed and mechanically locked position.
2. Door chamber cannot be opened when chamber is pressurized.
3. A cycle should not start if the door is open or not properly locked.
4. Emergency stop should be there for extra door safety mechanism to protect staff from force of the door
5. The door seal should be made of silicon rubber gasket & on commencement of the process the door gasket is pressed against the rear face of the door by Air or steam to ensure the door remains closed during the process.

Construction:

The chamber, doors and steam generator should be made of solid, high quality 316L Stainless steel. Water level indicator should be made of Stainless Steel and jacket should be made of hi

graded SS like AISI 304/1.4301

The chamber should be jacketed to ensure the temperature uniformity in chamber. The chamber floor should be slightly sloped towards an internal drain to facilitate drainage. A stainless steel mesh strainer protects the drain port from blockage by debris. The chamber should be mounted on a stainless steel framework with height adjustable feet.

The sterilizer jacket and doors should be completely insulated with 50 to 80 mm chloride free mineral wool thereby keeping the autoclave cool on the outside. The insulation should be completely encased in removable rigid aluminum sheet housing.

Steam Generator: The sterilizer should have an inbuilt steam generator of adequate capacity. It should be mounted under the sterilizer chamber & should be made of SS316L. The steam generator pressure vessel should be made of stainless steel. The sterilizer should be equipped with dual water connections for different water quality for cooling water and steam generator. All connecting pipes and valves shall be made of good quality stainless steel. Process valves are should be pneumatic.

Chamber should be mounted on a framework which should have adjustable feet.

VACUUM PUMP:

The Sterilizers should have a high capacity efficient liquid ring vacuum pump. It should be mounted on vibration isolator for quiet operation. It should be connected to condensers to assist air removal. It should also have low water level alarm to protect it from dry run. Disposable air filter (HEPA) should be provided for filtering the atmospheric air before entering in the chamber. The filter separation efficiency should be higher than 99.99% H14 for particle size less than 0.3µm

(e) CONTROL SYSTEM & OPERATING PANEL:

1. The Sterilizer should be equipped with Microprocessor PLC control system which is dedicated to control the sterilizer including Digital Input Output for Sterilizer control Analog measuring Inputs COM ports for printer & PC communications. The Control System is operated via approx.

1a. 8.4" Color touch screen, as a default the operator should have access to select cycle, start cycle & to close door. Digital display of Chamber Pressure, temperature, cycle no., Batch no., Time & date, alarm indicator, Low water indicator. Remaining cycle time also should be visible.

3. The operator should be able to run only type tested cycles. It should have visual and audible alerts for the operator of program malfunctions and provides visual indication of process status.

4. Access to other functions such as setting parameters, calibration servicing and maintenance is controlled using pre-defined access level which prevents unauthorized access.

5. The Control systems should have built in Linearization to correct the individual characteristics of each type of sensors.

6. Control system should have built in battery backup so that it can support the controller and operator panel for up in case of power loss.

AUTOMATIC OPERATION WITH PRINTER: (A) The sterilizer shall be fitted with suitable PLC (Microprocessor) for fully automatic cycle operation instead of manual operating valve with 2" Fascia panel printer (mounted on control side)

AFTER SALES SERVICE: After-sales-service/maintenance shall be provided from your factory trained engineer. Should have registered sales and service office of manufacturing company at Kolkata; West Bengal.

ALARMS:

1. The Control System should have comprehensive alarm/alert systems which automatically trigger pre-programmed information alerts (preventive maintenance schedule etc.)
2. In the event of any deviation in the type tested cycle, the control system should register an alarm
3. The range of alarms should include

- ❖ Temperature & pressure sensor failure
- ❖ Phase time-outs
- ❖ Door(s) not properly closed
- ❖ Power failure (less than 10 seconds will be ignored)

- ❖ Continuous self-checking of all safety devices
- ❖ Low water level (seal water to vacuum pump)

The Sterilizer should be equipped with following 7 Pre-programmed cycles Programs should include:

1. Wrapped solid and hollow instruments, textiles, porous load (134°C). Type tested program for sterilization of medical devices, e.g. textiles, utensils.
2. Wrapped, heat sensitive solid and hollow goods, rubber, plastic, porous load(121°C).
3. Rapid process for unwrapped solid single instrument(134°C)
4. Bowie & Dick test,
5. Automatic Leak rate test,
6. Heavy load(134°C),
7. Specific goods(134°C)

The Sterilizer should meet following Directive and standards

MDR, EN 285: 2015 for large sterilizers / EN ISO 13485/ EN ISO 17665-1 / EN ISO 14001:2015 / EN 61326-1/ IEC 61326-1 / EN/IEC 61010-2 – 040 & Part 2-040 / 93/42/EEC Medical Device Directive as amended by Directive 2007/47/EC / Machinery Directive2014/35/EC Low Voltage Directive2014/30/EC EMC Directive2014/68/EU Pressure Equipment Directive2011/65/EU RoHS2 Restriction of Hazardous Substances Directive2012/19/EU WEEE2 Waste Electrical and Electronic Equipment Directive

System should be supply with consumables for 500 Cycles from same equipment manufacturing company.

2. WASHER DISINFECTOR – Double Door with Drying (1no):

- The washer disinfectant shall be suitable for cleaning and disinfection of surgical instruments/goods. The process shall include pre wash, detergent wash and hot water disinfection, rinse and drying cycles.
- The unit shall be suitable for electrical operation and would be complete with water circulation pump, necessary valves & fittings.
- It should be microprocessor based so as to ensure correct program sequence and irregularities or deviations which are displayed immediately.
- Chamber Capacity: Chamber gross volume should be 300 – 350 litres having capacity of 10 nos. of standard DIN trays. The chamber and circulation piping should be made of S.S. 316L quality with electro polished washed surfaces. The chamber edges should not have the pockets & folds so as to avoid bacterial growth. The wash chamber should also be fitted with bright light for clear visibility of the washing process. Chamber dimension should suit the capacity.
- Washer should have following features:
 - a. For shortest possible filling and draining phases, higher capacity quick opening valves should be used so that short total process time is achieved. The design should focus on saving the environment through reduced consumptions of all utilities. The water consumption should not be more than 25L per cycle.
 - b. Cleansable spray arms should be located at the top and bottom of the chamber.
 - c. Wash carts should be equipped with cleansable spray arms between each shelf so as to facilitate water to reach all the surfaces which needs to be cleaned.
 - d. Injection wash carts should be automatically connected to water and drying air in order to clean and dry the inside of the tubular instrument.
 - e. The drying air should be pre-heated.
 - f. The washer should be equipped with independent temperature monitoring and validation test port.
 - g. Data interface RS232 should be available.
 - h. All electrical components should be easily accessible for easy service – ergonomic design.
 - i. Washer should have a built in self-cleaning debris filter.
 - j. Double door should be made of toughened glass for see through & should facilitate the loading process.

k. The washer should have 2 dosing pumps with provision for 2 more in addition (detergent, alkaline & lubrication) for process chemicals, instrument lubricants/ enzymatic cleaners

- The washer should perform:
 - a. Pre-rinses with cold water.
 - b. Main washes with hot water (60C) and detergent.
 - c. Final rinse with water (55C) d) Disinfection with hot water (85C)
 - Unit to have LCD display and operating console to have membrane key pad for durability.
 - Unit should feature safety measures such as:
 - a. Automatic door lock.
 - b. Automatic temperature regulation.
 - c. Electronic adjustment of water level
 - The unit should also have an interface as standard for an optional batch printer. The unit should have storage capacity up to 20 programs.
 - The washer disinfectant shall be supplied with universal 5 level racks for instrument tray, as well as stop valves, anti-suction device and plastic water trap.
 - Standards & Norms:
 - a. Should be US FDA/European CE certified.
 - Manufacturer should be ISO 13485:2003/ ENISO15883/ISO9001
- System should be supplied with 1 no 5 levels wash cart and consumables for 500 Cycles from same equipment manufacturing company. Supply should include 10 nos DIN Trays from supplier.

3. ULTRASONIC CLEANER [45 L (1no)]:

- The units should be a compact free-standing bench model, with a built-in tank manufactured from high-quality (316) stainless steel and a solid-state generator that sends ultrasonic (approx 40 KHz) impulses through wash water containing detergent and electrical heating; microprocessor controlled display with memory time and temperature functions.
- The electrical energy should be transformed into sound waves by transducers, fixed to the bottom of the tank.
- The tank should be made of solid stainless steel (316).
- The ultrasonic cleaner should have a display and control which could be easily seen and placed above any liquid for safety and reliability.
- It should have digital read out timer and temperature setting (temperature adjustable from 20 to 69 °C) monitoring.
- Capacity should be 45L (±5L)
- Should work on 230V, 50 Hz AC Supply.
- Ultrasonic cleaner should be European CE /US FDA certified.
- Ultrasonic cleaner should supply with Wire mesh basket of suitable size & Stainless steel lid. System should be supplied with 1 no Wire Mesh Basket and consumables for 500 Cycles from same equipment manufacturing company.

4. ETO STERILIZER (1no):

5. HEAT SEALING MACHINE (1no):

- i. The unit should have manual heat adjustments.
- ii. System should be suitable for the sealing of surgical instruments in paper envelopes.
- iii. Should be micro processor controlled.
- iv. Smooth easy cleaning surfaces.
- v. Quick sealing time with sealing width of 12mm.
- vi. It should be a compact table top system.
- vii. Ergonomic handling with anti-fatigue movement.

6. Spray Gun Rinser (1no):

Spray gun rinse unit should be designed for connection to water or compressed air, to use for assisted cleaning of pipettes, catheters, cannulas, syringes etc.

- The spray-gun should include tubing and different tips and nozzles for the various cleaning purposes, e.g.: syringes and cannulas with Record cone, measuring and blood pipettes, catheters and small pipes, drainage tubing, syringes and cannulas with Lure cone, spray jet for rapid instrument cleaning, bottles and Erlenmeyer flasks, water jet pumps for suction cleaning and All appliances are stored within easy reach on a special wall-mounted rack (included).
- A special wall-mounted rack should be a part of standard supply to store all appliances within easy reach.
- All tips should be able to get easily locked to the spray gun by a safety cone.
- The gun grip is heat-insulated. The water/air pressure is released, regulated and fully controlled by the spray-gun trigger (adapted to a 1/2" connection).

7. Multi-roll Tape Dispenser (1no):

The dispenser for sterilizer tape should hold two reels of tape. The bottom plate should be heavy duty fitted with anti-slip rubber thereby preventing the dispenser from slipping while the tape is torn. The body should be made up of high quality quoted steel.

8. Inspection Lamp with magnifier [(+8) deports magnification (1no)]:

- The magnifying lamp should be suitable for the professional use, highly suitable for demanding work in CSSD for inspection of delicate instruments used in hospitals (surgical and medical).
- The lamp should have standard +3-diopter circular glass lens which can provide a viewing field of 127 mm diameter and magnifies 1.75times.
- The circular 22W energy-saving fluorescent lamp surrounds the magnifying lens and provides effective lighting without annoying heat.
- The lamp should be easily available fore placement.
- Lamp should be provided with a dust cover to be mounted on the magnifying lens to protect it from dust and dirt and to prevent it from inadvertently acting as a burning-glass.
- The magnifying head should be made of ABS polymer, combining light weight with high impact strength.
- The lamp should be provided with two optional diopter sets: +4 (magnifies 2.75 times) and +8 (magnifies 3.75 times) extra magnification.
- The lamp could be operable with an electrical connection of 220/240V.

NOTE: POINT BY POINT TECHNICAL COMPLIANCE FOR THE QUOTED ITEMS SHOULD BE SUBMITTED, AND WHICH SHOULD HAVE REFERENCE PAGE NO. IN THE PRODUCT CATALOGUE OR PRODUCT TECHNICAL DATASHEET. THE TECHNICAL POINT SHOULD ALSO BE HIGHLIGHTED IN THE PRODUCT CATALOGUE OR PRODUCT TECHNICAL DATASHEET OTHERWISE BID MAY BE LIABLE TO BE REJECTED

9. Indigenous Gauze Cutting Machine (1no):

Should be useful in cutting thickest of cotton gauze material. Should consist of a cutting unit and a knife sharpening unit. Blade size should be 200 mm. Cutting Capacity should be 165 mm. Should work on 230V, 50 Hz power supply.

10. CSSD Furniture's (All should be Delivered ready for assembly)

i. Wash Station with 2 sinks for dirty area (L x W x H mm 2000x750x850) 1 no:

The worktop should be made of solid, bright-polished minimum sheet thickness of 1.5 mm stainless steel

(304) to withstand heavy-duty work with wet instrument.

Designed with an integrated 10 mm high edge at the front and sides, and a 60 mm high edge (splash back) at the rear.

The front and side edges are reinforced and widened to 49 mm. Edges are welded together and polished at the corners.

The worktop should slope to the sink, and reinforced by a full-length support frame.

The support frame should be a complete assembly with the front, back and ends welded together at the corners.

The worktop and support frame should be bonded together with double-adhesive tape of a special, age-resistant quality to give rigidity and noise abatement.

The floor stand should be made of polished stainless steel.

The table should be available with double sink units preferably at one side or at both ends of the table, all with a smooth, polished inside finish made of stainless steel (304) top.

Corners should be curved to a 65 mm radius for easy cleaning.

The bottom should slope to the drain.

All standard sink units are of sizes that also allow processing of the large modular instrument trays (L450 x W340 x H70 mm). Sink units are 650 mm wide and 900 mm high (± 25 mm). The legs should be able to provide strong support and hold to the entire unit securely.

The sink should include a drain valve, removable strainer, manually operated drain-valve, overflow drainpipe and water trap. The table also includes a mixing faucet with swivel spout, for cold and hot water connection.

ii. Working Table at Dirty area. Size (LxWxH) : 1600x750x900 mm 1no:

Stainless steel tables specially designed for work with dry and wet goods (heavy-duty sorting of wire baskets and containers and work with dry/wet goods, inspection, and packing various sets of surgical instruments in trays) and for general purpose pre-storage.

The work tables should have a rigid stainless steel construction which is easy to clean and without sharp edges or corners.

The table should be ergonomically worked up, should have easy to clean robust matt-finished (to reduce reflection of light from the surface) with minimum sheet thickness of 1.5 mm stainless steel (304) worktop/surface to withstand and carry out heavy work comfortably, either sitting or standing.

The edges along the front, back and sides should be reinforced and widened to 37 mm, giving a rigid construction. They are welded together and polished at all corners for good hygiene, as well as for the comfort and safety of the staff. The worktop should be supported by a complete assembly with full-length reinforcements along the front, back and ends, welded together at the corners.

The worktop and support frame are bonded together with double-adhesive tape of a special, age-resistant quality to give rigidity and noise abatement.

The support frame has to be mounted on a solid, stable floor stand, made of polished stainless steel square tubing, with horizontal braces 300 mm above floor level. An adjustable (± 25 mm) plastic foot, easy to clean, is mounted on each leg. The provision is to be made for a sturdy 445 mm-wide stainless steel shelf (optional) can be mounted on the horizontal braces.

All edges should be smooth and the rigid frame should be made up of minimum 1.5 mm sheet thickness stainless steel (304).

There should be unobstructed access to the working space, since the only supports needed along the front of the table are the corner legs. This also facilitates cleaning of floors.

iii. Pass Box Size : 600x600x600mm 1no:

Pass-through chamber should be based on electrical sliding hatches and should fit all types of

standard racks. The chamber should consist of two electrically operated sliding hatches, and a Plexiglas-and aluminum construction on a stainless steel bottom plate, which is equipped with four adjustable legs for easy assembly and adjustment.

Each hatch should have its own 24 DC motor that powers a drive belt and ensures smooth operation, as well as its own convenient push-button control to ensure that both hatches cannot be opened at the same time. The control should feature two modes of operation to open or close the hatch with a press

button mechanism. The hatch should also have a built-in safety feature that prevents items from getting caught during operation.

iv. Control & Packing Table with two shelves Size (LxWxH) : 2000x1400x900 mm 1 no:

This table should be specially designed for sorting, inspection, functional control and packing of various sets for wards, clinics etc. and for surgical instrument sets in trays. The work could be done comfortably, either sitting or standing.

The worktop should be made of a robust wood-based core material, surfaced with plastic laminate in a soft beige color that reduces reflection of light from the surface. All edges should be smooth. The extended width of the worktop should be designed to facilitate thorough inspection of instrument trays and allow the use of large wrapping material. The rigid frame is made of stainless steel (304).

There should be unobstructed access to the working space, since the only supports needed along the front of the table are the corner legs. This also facilitates cleaning of floors.

The single workplace table should have 700 mm wide worktop and a double workplace should have 1400 mm worktop. The table should include a two-shelf console, mounted on the worktop, for storage of packaging materials. The rigid supporting columns of the console include 3 electrical outlets. There should be a free space of 450 mm between the lower shelf and the worktop, and 150

mm between the two shelves. The table should have a drawer unit (both sides as double model) mounted under the worktop. Each drawer unit should be 400 mm wide and includes a drawer and a sliding plate. Fittings for inspection lamp should be available with electrical attachments.

v. Wire Storage shelf module for sterile stores Size (LxWxH) : 1525x455x1895 mm 2nos:

Construction should be based on single free-standing shelf modules for storage of clean linen, instruments, and packing material or sterilized goods, including disposables. The compact modules should have shelf lengths of 1525 mm. and the modules should be extremely space-efficient. Moreover, two single modules can be placed back to back and combined as a double module unit. If two sets of shelves are to be connected, 10 S-hooks should be supplied.

The wire construction should allow good air circulation while permitting easy inspection of the goods. The wire shelves should be made of special heavy-duty steel (304), chromium-plated and surface treated with clear epoxy varnish to facilitate cleaning.

The modules should be easy to assemble on site and all parts fit precisely. Shelves should be mounted by means of plastic clamps onto circular rigid posts, with the adjustable height within a range of about 50 mm. Each post should include a height adjustable foot.

Each module should include 5 shelves, mounted at heights of about 450, 800, 1150, 1500 and 1850 mm above floor level. The shelf unit could also be used as a mobile storage unit by replacing the foot with optional Ø 125 mm castors.

vi. Free standing basket rack (15 Baskets)—Size (LxWxH) : 1850x480x2150 mm 2nos:

Basket storage racks to store wire baskets in sterile storage and/or as pre-storage of clean packed goods. The rack should be designed as an open unit to promote aeration of sterilized goods and to make inspection of stored goods as easy as possible. Baskets should be loaded and unloaded by conveniently sliding them on rigid, horizontal guide-rails, consisting of 50 x 20 mm Ø steel profiles. The guide-rails are welded to a robust support column mounted on a rigid floor stand. The columns should be joined by support frames on top and below the base of the rack. To facilitate cleaning of the floor, the base should have a rigid construction that minimizes the number of legs needed for support. Each leg should have an adjustable foot (± 25 mm). The rack is fully with Rilsan®- or similar material-coated for easier handling and cleaning. The single rack should have a free-standing section that holds 5 baskets in each vertical.

vii. Hermetically Closed Transport Trolley - (LxWxH) 1400x750x1260 mm 2nos:

A trolley should be hermetically sealed for sterile goods handling where higher than normal dust protection is required, e.g. short transports between hospital buildings. Suitable for handling baskets or containers with a total capacity of 9 STU (1 STU = 600 x 300 x 300 mm) on three solid, removable shelves (3 x 3 STU). It should be fitted with large stainless steel wheels (Ø 160 mm) for easier maneuverability.

Two fixed wheels and two swivel wheels with brakes. The fully welded stainless steel construction (minimum 18 gauges, 304) makes it suitable for cabinet washers. The doors open 270° for easy access and cleaning. Trolley should have lockable doors and should include handlebars.

viii. Hermetically sealed Basket Trolley: Size - (750mm(L)X500 mm(W)x150 mm(H) 1no:

Should be suitable for transport of empty, stacked /nested, modular wire sterilization basket. Should be mounted on a 4 swivel castors of 75mm diameter. It should be made up of stainless steel. Should be provided with handle for easy transport. Load capacity approx. 150 Kg.

ix. Instrument Tray (Small, Medium and Large) 10 each:

It should be modular design with standard sizes and high precision and should be designed for use with modular wire baskets through all phases of instrument processing: washing and disinfection (both manual and in an automatic washer-disinfector), ultrasonic cleaning, inspection and packing, sterilization, storage, distribution and usage. It should be self-drying after disinfection in hot water (min.+85°C). Instrument trays should be sturdy, jig-welded trays maintain their size and shape even if handled carelessly. It should be stackable. The tray is made of stainless steel (304) wire net, with a maximum mesh size of 6.5 mm and a wire diameter of 1.5 mm. This design gives optimal cleaning results and at the same time prevents instruments from penetrating the sides of the tray.

All cross-points in the network and vertical wires to top and bottom frames should be point welded.

All free wire ends should be soft-polished to prevent injury when handled. The bottom wire construction should include a rigid, 3 mm diameter, stainless steel (304) wire frame to provide space for airing between goods and work surface and to allow use on roller, belt and chain conveyors.

It should be electro-polished for smooth, clean surfaces and also suitable for ISO modular wire baskets.

x. Modular Sterilizing baskets SPRI - Size : 585x395x195 mm 5each:

It should be modular design with standard SPRI sizes and high precision and should be designed for sterilizing / processing as well as easy handling and management of the supply, storage and distribution of re-circulated sterilized goods. It should be self-drying after disinfection in hot water (min.+85°C). Instrument trays should be sturdy, jig-welded trays maintain their size and shape even if handled carelessly. It should be both nestable and stackable. There should be special wire support to help making baskets both stackable (when the supports are folded into the basket) and nestable (when the supports are folded out). The top frame should be designed such that it should serve as a handle grip for easy carrying even when heavily loaded. There should be no sharp edges or wires. The surfaces should be smooth to assure easy cleaning in a washer-disinfector. The baskets should be made of electro-polished heavy-duty stainless steel (304) and should have a rigid bottom frame that gives space for airing between goods and work surfaces and allow use on roller belt and chain conveyors. It should be designed and manufactured in accordance with high quality specifications to assure long lifetime.

xi. Closed Sterilization Containers 300mm x 290mm x 110mm / 300mm x 290mm x 140mm & 590mm x 280mm x 260mm - All types of Containers should have thermo lock drainage, steam penetration valve and stainless steel top. - 5 each

xii.Reverse Osmosis plant 1500 LPH x 1 No with storage tank capacity of 3000 litres should be supplied with 1 no Booster Pump and complete with lockable room with shed.

11. TURNKEY -

This work is planned as a turnkey job, which includes supply, installation, design, testing and commissioning of the equipment, and all associated civil, mechanical, electrical, plumbing, sanitary, air conditioning and interior furnishing jobs.

Bidder has to submit the Draft Layout Plan as per the available area for TSSU Site proposed by consignee. Once the work is awarded, the bidder should take prior approval of the Layout plan from the Institute/Hospital before starting turnkey works and equipment Installation. One Point Compressed Air, Water supply & Electricity shall be provided by Institute. Rest of the works to be executed by the bidder. DB Box will be provided by the hospital outside the TSSU Room.

Civil works includes construction / demolishing of brick wall required if any as per the approved layout plan, laying of tiles on walls & floors, provision of doors & windows as per approved lay out plan. All cable trenches and railings wherever required. Modification of electrical: The consignee will terminate three phase supply line at an area in the TSSU. All other electrical cabling including control panel, switches, isolators etc inside the TSSU to be carried out by the bidder. Supply & Installation of Electrical Control panel with required bus bars, switch gears, MCBs etc. complete in all respect Provision of suitable no. of electrical sockets 6/16A with switches to be provided by the bidder in all the rooms/areas covered under turnkey is the responsibility of the bidder. Electrical cabling from the electrical control panel to all associated equipment, air conditioning system, light fixtures, electrical fittings etc. to be carried out by the bidders.

FIRE-FIGHTING - As per firefighting standards required no. of fire extinguishers to be provided in all areas.

PLUMBING WORK & DRAINING SYSTEM_- Stainless piping to drain the hot water from autoclaves to nearest drains. All necessary plumbing works required in the TSSU area including laying of plumbing pipeline with all required fittings. All necessary drainage works required in the TSSU area including laying of drain pipeline with all required fittings. Provision of sanitation fittings in the toilets and any other associated areas

VENTILATION AND LIGHTING - Provision of 2ftx2ft LED lights to provide illumination of 500 lux in all areas. LED lights to be flush mounted to the false ceiling. Toughened glass sealed windows with curtains to be provided to allow natural sun light wherever possible. Exhaust air fans to be provided wherever required.

DEMOLITION WORK - Bidder shall be responsible for carrying out required dismantling works for construction of CSSD as per layout plan approved by the Institute/Hospital if any.

AIR- CONDITIONING - Air conditioning should be provided for areas such as clean store, sterile stores, packing area and officer room. Should provide split a/c or Ductable package with wireless remote control for, sterile stores, packing area, clean store and office room. Ducting and false ceiling as and if necessary. The capacity of the air condition should be sufficient to maintain the required temperature and humidity. Should be energy efficient and 5 star rating.

Staff Change Room / CSSD In charge Room – need to prepare as per availability of area including Doors, Air-locks and furniture's like lockers, Chair, Table, File cupboard, Shoe rack, Computer with Printer, Waste Bin, Lab stool, Vacuum Cleaner, Hand Dryer and all other necessary furniture required for the facility to be included in turnkey.

500 Cycles Consumables List as follows:

STEAM STERILIZER CONSUMABLES:

- Bowie-Dick Test Pack-REGULAR 30 Units/Box - 17
- Emulating Indicator (Type 6 Chemical Indicator-Steam) 250 Indicators/Bag - 30
- Helix Test 4 STEAM (PCD Test) 250 Indicators/Bag - 2
- Self-Contained Biological Indicator -STEAM 100 Units/Box - 5
- Documentation Label - Steam 30 Rolls/Box - 1 Box
- Tape 18mm - STEAM 48 Rolls / Box - 1 Box
- Flat Sterilization Roll(Steam & EO), 10 cm x 200 m / 6 rolls per case - 10
- Flat Sterilization Roll (Steam & EO), 20 cm x 200 m / 4 rolls per case - 10
- Flat Sterilization Roll (Steam & EO), 30 cm x 200 m / 2 rolls per case - 10

EtO STERILIZER CONSUMABLES:

- Multi parameter Indicator -EO - 2 Pack Documentation Label - EO 30 Rolls/Box - 1 Box
- Self-Contained Biological Indicator - EO 100 Units/Box - 5

WASHER DISINFECTOR CONSUMABLES:

- Universal detergent (Alkaline) 5 litres Can -25

ULTRASONIC CLEANER CONSUMABLES:


- Manual Plus Detergent (Multi-Enzyme) 5 litres Can -20

Memo No: DMGMCH/PRL/ 647/1(11)

Dated: June 26 2021

Copy forwarded for information & necessary action to:

1. The Director of Medical Education, Department of Health & Family Welfare, Government of West Bengal, SwasthyaBhawan, Salt Lake City, Kolkata - 91
2. The District Magistrate, Purulia
3. The MSVP, DMGMC&H, Purulia
4. The Chief Medical Officer of Health, Purulia
5. DICO, Purulia
6. The IT Cell, SwasthyaBhawan, Kol-91 for uploading this tender notice in the official website of Dept. of Health & Family Welfare
7. District Information Officer, NIC, Purulia with request to publish the NIT through official website of Purulia District
8. The Accounts Officer, DMGMCH
9. Notice Board of DMGMCH& DMSH
10. DMGMCH Website
11. Office copy


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