

**THE KERALA STATE WOMEN’S DEVELOPMENT CORPORATION LTD.**

1<sup>st</sup> Floor, Transport Bhavan, KSRTC Building,  
Attakulangara, Eastfort, Trivandrum – 695023

File No KSWDC/P5/SHE PAD/General/24-25

Dated: 18<sup>th</sup> February 2025

Notice Inviting E-Tender for the **She Pad Project** (“Supply of Sanitary Napkin, Supply and Installation of Napkin destroyers and Napkin Vending Machines”) in the schools all over the state of Kerala.

E-Tender in two bid system is invited from the manufacturers/suppliers/authorized dealers for the supply of sanitary Napkin (as per the detailed technical specification given in **Annexure - 1**), supply and installation of Napkin Destroyers with respective specifications (as per the detailed technical specification given in **Annexure – 2A & 2B**), supply and installation of Napkin Vending Machine with respective specifications (as per the detailed technical specification given in **Annexure - 3**) required for the proposed She-Pad project to be implemented in the schools of all over the State of Kerala. The **She Pad Project** includes supply of Sanitary Napkin, supply, installation service and maintenance of Napkin Destroyers, supply, installation service and maintenance of Napkin Vending Machines, across the state of Kerala, Monitoring & Evaluation, Reporting and follow up action for successful implementation of the project.

Sl No	Product	Quantity
1	Sanitary Napkin	10,00,000 Packets* (Approximate)
2	Napkin Destroyers (SPCB Approved)	1000*(Approximate)
3.	Napkin Vending Machine	300* (Approximate)

\*The no. of items required may vary based on the actual requirement from the schools all over Kerala\*

The tender is invited through two bid system –“**Technical Bid and Financial Bid**”. The tender has to be submitted as e-tender through <https://etender.kerala.gov.in>. The bidders those who have enrolled in the above portal with their own Digital Signature Certificate (DSC) can only participate in the tender. E-Tender document and other details can also be obtained from the portal.

<b>The Tender has two parts: 1 ) Technical bid 2) Financial bid (BOQ)</b>	
<b>Tender No</b>	<b>KSWDC/P5/SHEPAD/General/2024-25</b>
<b>Earnest Money Deposit</b>	Rs. 2,00,000/-
<b>Tender Fee</b>	Rs.7500 + GST (18%)
<b>Date &amp; Time of issue of Tender document online</b>	18/02/2025
<b>Date &amp; Time of Pre-Bid Meeting</b>	24/02/2025 3:00 pm
<b>Closing date of issue of Tender document online</b>	10/03/2025, 5.00 pm
<b>Last date and time for the submission of Tender online</b>	10/03/2025, 5.00 pm
<b>Date&amp; time of opening of e-tender –Technical (online)</b>	14/03/2025, 2.00 pm
<b>Date &amp; time of opening of Financial bid online</b>	Will intimate later
<b>Period of validity of offer</b>	<b>180 days from the date of opening of financial bid online</b>
<p><b>The successful bidder should submit original documents (Except Financial bid) to</b>  <b>The Managing Director</b>  <b>The Kerala State Women’s Development Corporation Ltd.</b>  <b>1<sup>st</sup> Floor, Transport Bhavan</b>  <b>Attakulangara, Eastfort, Trivandrum – 695023</b>  <b><u>On or before 05/02/2025 2.00 pm.</u></b></p>	

**Instruction to Tenderer - Important points while online payment for e- Tenders**

Bidders, while participating in online tenders published in Government of Kerala’s e-procurement website ([www.etenderers.kerala.gov.in](http://www.etenderers.kerala.gov.in)), should ensure the following:

1. The Tenderer is expected to examine all instructions, forms, terms and specifications in the Tendering Documents. Failure to furnish all information required by the Tendering Documents or submission of a tender not substantially responsive to the Tendering Documents in every respect will be at the Tenderer’s risk and may result in rejection of its tender.
2. Single transaction for remitting Tender Fee and Earnest Money Deposit (EMD): Bidder should ensure that Tender Fee and Earnest Money Deposit (EMD) are remitted as one single transaction and not separate. Separate or split remittance for tender document fee and EMD shall be treated as invalid transactions.

3. Account number as per Remittance Form only: Bidder should ensure that account no. entered during NEFT remittance at any bank counter or during adding beneficiary account in Internet banking site is the same as it appears in the remittance form generated for that particular bid by the e-procurement system. Bidder should ensure that Tender Fee and EMD are remitted only to the account number given in the Remittance form provided by e-procurement system for that particular tender. Bidder should ensure the correctness of details inputted while remittance through NEFT. Please also ensure that your banker inputs the Account Number (Which is case sensitive) as displayed or appears in the Remittance form. Bidder should not truncate or add any other details to the above account number. No additional information like bidder name, company name, etc. should be entered in the account no. column along with account no. for NEFT remittance.
4. Only NEFT remittance allowed: RTGS payments, Account to Account transfer or Cash payments are not allowed and are invalid mode of payments. Hence, the remittance form provided by e-procurement system is to be used only for NEFT payment.
5. UTR number: Bidder should ensure that the remittance confirmation (UTR number) received after NEFT transfer should be updated as it is, without any truncation or addition, in the e-procurement system for tracking the payment.
6. One Remittance form per bidder and per bid: The remittance form provided by e-procurement system shall be valid for that particular bidder and should not be re-used for any other tender or bid or by any other bidder.
7. The bids will not be considered for further processing if bidder fails to comply on points 1 to 5 above and Tender Fee and EMD will be reversed to the account from which it was received. Tender without Tender Fee, Earnest money deposit (EMD) and tenders submitted incomplete in any respect shall be rejected.
8. The Tender prepared by the Tenderer and all correspondence and documents relating to the tender exchanged by the Tenderer and the Purchaser, shall be written in English language.
9. No tenderer shall contact the Purchaser on any matter relating to its tender, from the time of the tender opening to the time the contract is awarded. If the tenderer wishes to bring additional information to the notice of the purchaser it should do so in writing.

**Eligibility criteria for applicants for the tender.**

Tenderers shall enclose as part of its offer, relevant details and documents establishing its eligibility and qualification to perform the contract. Necessary Documentary evidence needs to be submitted to establish that the tenderer has adequate capability to manufacture and/or supply of Napkin Incinerator and Sanitary pads all over the state of Kerala

1. The tenderer should be either manufacturer or authorized supplier or authorized dealer of sanitary pads and Sanitary Napkin Destroyer and Napkin Vending Machine. Tenderer should furnish proof for the same.
2. The tenderer should have been operational at least for 5 years (Prior to the date of tender)
3. The tenderer should have a minimum experience of Three (3) years in the field of manufacture and/ or supply and installation (where applicable) of the product - Sanitary pads, Napkin Destroyers and Napkin Vending Machines. Only such manufacturers/suppliers can participate in the tender. Certificate/ documents evidencing past major supplies of the item for the last 2 years should be enclosed.
4. The tenderer should have strong service network all over the state of Kerala.
5. Tenderers must have executed minimum Four (4) orders for minimum 300 nos. supply of Napkin destroyers (PCB approved), 100 nos. of Napkin Vending Machines and supply of Two lakhs number of Sanitary pads (Quality tested) in last two years, out of which two must be to government, semi government or leading corporate institutions. Tenderer should furnish proof for the same.
6. Tenderers must submit credentials indicating work completion and performance / satisfactory work report of the product supplied earlier to other organization.
7. Tenderer must have minimum average turnover Rs.2 Crores from the similar segment of business in immediately preceding last three (3) years. The tenderer must submit their balance sheet, profit and loss account for last three years duly certified by chartered accountant, along with the technical bid.
8. Tenderer must submit Bank Solvency Certificate for an amount of Rs.1 crore from a nationalized/scheduled bank.
9. If the tenderer is a manufacturer, they must have system as per ISO norms/ISO compliance for the manufacture of Sanitary Pads, Napkin Destroyers and Napkin Vending Machines and relevant documents must be submitted along with the Tender document.
10. Tenderer must have service infrastructure network across Kerala and must submit List of service centers.

11. Tenderer must have standard testing facility (either self or outsourced) for Certification of Sanitary pads and Napkin Destroyers and Vending Machines.
12. Details of in house quality control procedures, facilities available including machinery and equipment installed should be mentioned in the technical bid.
13. Tenderer shall not have a criminal record and should not be convicted by any court of law in India or abroad.
14. Tenderers who failed to comply with earlier contractual obligations of KSWDC are not eligible to participate in the tender.
15. Tenderers blacklisted by Govt. of Kerala or KSWDC would not be considered
16. Financial bid of the tenderers who satisfy all the above criteria and technical specifications would only be opened for further consideration
17. The bid quoted by the tenderer should be valid for a period of one year and extendable for a maximum period of two years.

#### **TERMS AND CONDITIONS**

1. The rate quoted must be for the Unit noted in the BOQ. Any loss or damage of units/Materials/goods while on transit should be borne by the suppliers.
2. The price offered should be fixed for the entire period of the contract.
3. The articles are to be similar, in all respects according to the specifications shown in Tender notice and shall be subject to the approval of the Managing Director, KSWDC.
4. The Managing Director, KSWDC does not bind herself to accept the lowest or any offer and reserves the right to select one or more from the offers made as considered expedient.
5. The tenderer should submit/furnish brief write up of explaining /establishing their capability/capacity both technical and financial to perform the contract if awarded.
6. The purchaser reserves the right for inspection, sampling and testing the quality & standards of the stores by picked up samples and testing it in an approved testing laboratory for assessment of quality services.
7. The KSWDC reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to award of Contract, without thereby incurring any liability to the affected tenderer or tenderers.
8. The Managing Director, KSWDC may reject any or all the supplies made which he /she consider not suitable for the purpose for which they are ordered for or because they are of

inferior quality or not up to or in accordance with the specifications shown in the Tender Notice and his/her opinion in the matter will be final and not liable to be questioned by the bidder or any one on his behalf. Rejected articles should be taken back by the Contractor at his own cost and risk.

9. Any effort by a tenderer to influence the purchaser in its decisions on tender evaluation, tender comparison, or selection may result in the rejection of the tenderers tender.
10. In case the supply is not made within the stipulated time and as per the Work Order conditions, the Corporation will cancel the order and procure the item from any other source at the risk and cost of the contractor. The KSWDC may deduct the difference in rate between the order rate and the rate actually paid will be deducted from the supplier's bill or from any money that be due or become due to them or by initiating legal steps including revenue recovery.
11. Conditional bids submitted by the bidders shall not be accepted.
12. KSWDC shall identify the schools where the supply of Sanitary pad, napkin destroyer and napkin vending machine to be installed. Once the machines are installed, KSWDC or the funding agency shall assist the vendor for getting electricity, connections to the tendered devices by way of providing required documents and approvals.
13. Packing design, Brand name etc. shall be provided by the purchaser on Award of Contract and should be printed on the product packing.
14. KSWDC reserves the right to award the work to more than one agency as per requirement.
15. The total quantity will not be procured in a single lot. The allocation/requirement will be confirmed on a monthly/quarterly basis separately by a work order
16. The manufacturing date of the articles should not be more than 3 months preceding the date of purchase order & the remaining useful shelf life of articles should not be less than 24 months.
17. Supply Schedule and Payments
  - a) Total quantity should be supplied and installed as per the supply schedule mentioned in the Work Order.
  - b) The following terms will be applicable with regard to release of payments
    - ♦ Advance, if any required will be released as per Kerala Stores Purchase Rules, against Bank guarantee as per the attached format.
    - ♦ Balance payment will be released in stages, based on the installation and commissioning of units, after reviewing the stages of installation.
    - ♦ Final payment will be made only after complete and successful implementation of the She –Pad project as per work orders issued.

18. The Price of the Goods quoted shall be inclusive of Cost, taxes, insurance, delivery charges, freight unless otherwise specified in the purchase order – FOR anywhere in the State of Kerala.

**Earnest Money Deposit**

19. Bidders shall submit an amount of Rs. 2,00,000/- as Earnest Money Deposit. The earnest money deposit for unsuccessful bidders will be returned within the period of 45 days without any interest.

The Earnest Money Deposit shall be forfeited:-

- ♦ If the Tenderer withdraws its tender during the period of tender validity specified by the Tenderer on the Tender Form.
  - ♦ If the successful tenderer fails to sign the contract in accordance with Clause 28 or fails to furnish performance security in accordance with Clause 26.
20. The vendor shall submit undertaking that he is not in any way related to any Directors, Officers and other employees of the KSWDC in prescribed format (Annexure 3)
21. The KSWDC shall without prejudice to its other remedies under the contract deduct from the Contract Price, as Liquidated Damages, a sum equivalent to 0.5% of the price of delayed Goods or unperformed Services for each week of delay (part of a week will be taken as full week) until actual delivery or performance, up to a maximum deduction of 5% of the contract Price. Once the maximum is reached, the purchaser may consider termination of the contract. In case of delay on part of KSWDC in providing the approvals the time of delivery will be extended by equal number of days.
22. If L1 or any other parties defaults (fails to deliver goods on time) then the purchaser reserves the right to purchase the goods from L2 or higher tenderer or from market at the risk and cost of supplier and if the purchase happens at a price higher than the ordered rates, the purchaser shall have the right to claim the difference upon whom order was originally placed and supplier will be under obligation to pay the same. The purchaser has the right to recover the same from the performance security if the supplier does not make the payment.
23. KSWDC reserves the right to carry out inspection of product at any period of time during period contract or before selection of agency.
24. In case of any material defects or any variation in the specification, the supplier/bidder should replace the materials at their cost and risk,

25. **Performance Security Deposit:** The successful bidder will have to furnish in interest free Performance security deposit of 5% of the total order value. An amount of 5% shall be deducted from the Invoices submitted by the successful tenderer as performance security to be utilized in case of default or defective materials, equipment, supplies, work or service not rectified by the tenderer. The performance security, less any sums charged by the purchaser, shall be paid over to the tenderer at the end of the defects liability period/warranty period. The tenderer can submit Bank Guarantee towards the 5% performance security against which the same shall be released. This bank guarantee shall be valid up to 60 days after the completion of the contract period. The Bank Guarantee shall be assigned in favour of KSWDC.
26. The performance security deposit shall be forfeited if the bidder does not start/complete the work within the stipulated delivery period or fail to comply with any of the terms and conditions in the contract or clauses of tender document.
27. The successful tenderer has to sign an agreement, the draft of which will be send to the lowest tenderer only with the letter informing the acceptance of tender. Within 10 days of receipt of the information regarding acceptance of the tender, the successful tenderer shall sign the agreement and return it to the Purchaser.
28. **Guarantee:** The units supplied and installed by the bidder should be guaranteed for a minimum period of one year against defective material, design, workmen ship, operation replacement/ rectification should be arranged free of cost within a period of 30 days of such notification. The rectification/ replacement period, if any, will also be added along with guarantee period.
29. **Quality Assurance Compliance**
- The manufacturer shall guarantee that the products, comply with all provisions of the specifications, meet the laid down standards for safety, efficacy and quality, fit for the purpose it is made, free from defects in workmanship and in materials
30. **Maintenance:** The successful bidder should enter into a maintenance contract with KSWDC for a period after the warranty period of the equipment's.
31. No tenderer shall contact the Purchaser on any matter relating to its tender, from the time of the tender opening to the time the contract is awarded.
32. Any effort by a tenderer to influence the purchaser in its decisions on tender evaluation, tender comparison, or selection may result in the rejection of the tenderer's tender.
33. All disputes arising in connection with this tender proceeds will be settled within the jurisdiction of Civil Court in Trivandrum

34. Any clarification in this regard can be had from the office of KSWDC during working hours from 10 am to 5 pm IST, Telephone No: 0471-2454585. Details are also available in Website: [www.kswdc.org](http://www.kswdc.org)

35. Bidders are required to submit the following documents:-

- ♦ Registration Certificate in case of Govt. approved contractors.
- ♦ Partnership deed in case of partnership firms/certificate of registration in case of companies/co- operative societies.
- ♦ GST registration, Copy of PAN CARD, Exemption Certificate from Income Tax Department (if any)
- ♦ Bank solvency Certificate for an amount of Rs.1 crore from a nationalized/Scheduled bank.
- ♦ Turnover for the last 2 financial year approved by Chartered Accountant.
- ♦ Income Tax Returns for last 3 years duly certified by Chartered Accountant.
- ♦ Certificate of incorporation/Memorandum of Article (copy to be enclosed).
- ♦ Past Experience with supporting documents evidencing major supplies made and capability to carrying out supply of Sanitary Napkin, napkin destroyers, napkin vending machine and work completion, performance certificate /satisfactory work report of the product supplied.
- ♦ Details regarding remittance of Bid Submission Fee and EMD are mentioned in the bid document.

36. Tenders/ bids received without the details mentioned will not be considered and shall be summarily rejected.

37. The SCTL shall not be responsible for any failure, malfunction or breakdown of the electronic system while downloading or uploading the documents by the Bidder.

38. All subsequent Government orders (Government of Kerala and Govt. of India) related to tenders and any revision in the rates of taxes would also be applicable to this tender.

39. KSWDC reserves the right to accept or reject any or all tenders without assigning any reason thereof.

## ANNEXURE -1

### Technical Specifications for Sanitary Napkins

Sl. No.					Specifications		
1.	Material	Absorbent Filler	The filler material, such as cellulose pulp, cellulose wadding, tissue, cotton etc. which shall be free from lumps, oil spots, dirt or foreign material.				
		Covering	The covering shall be of good quality cotton or rayon knitted sleeving, gauze or non-woven fabric with sufficient porosity.				
2.	Sizes	Large	Length (mm)	Width (mm)	Thickness (mm)		
			230±10	75±5	7.5 to10		
3	Weight		7.5 grams – 10 grams				
4	Requirements	Absorbency	Absorbency of napkins 30 ml of colored water or oxalated sheep or goat blood when flowed on to the centre of the napkin at the rate of 15ml per minute and it shall not show up at the bottom or sides of the sanitary napkins				
		Disposability	A disposable sanitary napkin with the covering removed, shall be immersed in 15 liters of water and stirred. The pad shall disintegrated in the water in not more than 5 minutes.				
5	pH Value		Free from acids and alkali and pH of absorbance material shall be 6 - 8.5				
6	Manufacture workmanship and Finish	<ul style="list-style-type: none"> <li>♦ The absorbent filler shall be arranged and nearly cut to the required size of the pad and form a uniform thickness throughout without any wrinkles of distortion. It shall be placed in the covering in such a way that it does not cause lump formation with the effect of sudden pressure.</li> <li>♦ It shall be free from all sorts of foreign matter, allergic materials and should be odorless.</li> </ul>					

		<ul style="list-style-type: none"> <li>♦ The Sanitary Napkin shall have a very soft feel and when worn shall no chafe or give any uncomfortable feeling.</li> <li>♦ The covering fabric shall cover the filter completely.</li> <li>♦ The adhesive used in the napkin should not leave any mark and stain. The material used for manufacturing shall be made from biodegradable.</li> </ul>
7	Packing	Packed in polyethylene lined carton or polyethylene bag. Each carton shall contain an instruction Leaflet or shall have instructions printed on the outside of the polyethylene bag or carton
8	Marking	Each carton shall be marked with the manufacturer's name or trademark, the number of sanitary napkins contained in each carton, and size of napkins, batch number or serial number, best before use date and should include Instructions for storage and handling.
9	Instruction Kit	Every packet of sanitary napkin shall contain an instruction kit specifying the method of use, indication as to which side is absorbent and napkin disposal instructions.

**Specification for Raw material/Packing Material used in the Manufacturing of Napkins**

Sr. No	Materials	Specifications	Grade
1	Fluff	-	Soft wood Pulp, Long Fibre
2	PE back Sheet	22gsm $\pm$ 10%	LDPE, Carona Treated
3	Nonwoven Top Sheet	17gsm $\pm$ 10%	Hydrophylic
4	Glue Hotmelt/Adhesive	-	Construction
5	Glue Hotmelt/Adhesive	-	Positioning/Back Sheet
6	Release Paper	40gsm $\pm$ 10%	Silicon Coated
7	Poly Bag	40gsm $\pm$ 10%	LDPE
8	Sanitary Napkin per Packet	7 pieces of Sanitary Napkins	

**ANNEXURE -2A**

<b>Double Chamber Napkin Destroyer - Technical Specifications</b>		
<b>Sl No</b>	<b>Item</b>	<b>Requirements</b>
<b>General</b>		
1.	No of pads to be burned/Capacity	15-20 pads/cycle
2.	Capacity per day	200 pads
3.	Cycle time	30-45 min
4.	Type	Wall Mountable
5.	Purpose	Burning of used sanitary napkins/pads to sterile ash
6.	Colour	Elephant grey/blue/any
7.	Operation mode	Electrically operated and fully automatic
8.	Loading type	Front loading
9.	No of chambers	Two
10	Painting	All MS parts powder coated
11	All electrical parts	ISI marked
<b>Dimension of the units</b>		
12	Width	200-300 mm
13	Depth	200-300 mm
14	Height	500-700 mm
15	Door dimension	150 mm x 150 mm
16	Thickness of door including installation	25 mm
17	Interning burning chamber shape	Rectangular cubical / vertical cylinder
<b>Construction Features</b>		
18	Insulation	Thermal ceramic sheet with glass wool of 5 mm thickness
19	Tray	Burning chamber Tray
20	Emission outline pipe location	Top of the machine
21	Emission outlet	Flexible Pipe of 2 – 2.5 m length
22	Means of connecting the unit outlet with flue gas emission pipe	Flanged /Clamped
<b>Control and Functional Features</b>		
23	Temperature indicator	Yes
24	Control	Timer setting
25	Auto cut off temperature display	Yes
26	Cut off Temperature	400 to 450 degree centigrade
27	Digital display to see actual set of temperature	Required with LED display
28	Temperature Primary Chamber	450 degree centigrade (Minimum)
29	Temperature Secondary Chamber	950 degree centigrade
30	Residue ash per napkin	Less than 1gm (less than 5%)

31	Installation training/demonstration and plumbing	Yes
<b>Electrical and Safety Features</b>		
32	Automatic digital controller for type	Yes
33	Automatic digital controller for temperature	Yes
34	Equipment on /off indicator	Yes
35	Power supply	230V+/-10%,50Hz single phase AC supply
36	Power saver	Auto cut off
37	Amp	Less than 13 Amp
38	Power requirement	AC 30V 50 Hz+/- 5%
39	Heater Wattage	Minimum 1000 to 1200 watt
40	Minimum length of power chord	2.5 m (with ISI mark)
41	Type of heater	Ceramic Heater containing coil
42	Safety MCB	16 A to 30 A
43	Protection against electrical shock	As per IS 102-1/2008
<b>Smoke Controlling Unit</b>		
44	Type of smoke control unit	Top mounted/side mounted
45	Material of housing smoke control unit	Mild steel (CRCA) cabinet
46	Painting of MS parts	Epoxy anti rust proof painting of superior finish
47	Ash collection tray	Removable tray, easily open for ash disposal
48	Operation Instruction	Instruction cards for operation must be available in English/Regional language
49	Warranty	Minimum one year warranty on equipment (incl. battery) with option for addl. Warranty/AMC.
50	Certification	Self-Certification by the manufacturer that the equipment or components thereof have been Manufactured in adherence to statutory compliances And test report from Govt. accredited labs are available, wherever applicable as it is an essential Requirement for ensuring quality of equipment.

**ANNEXURE -2B**

<b>Double Chamber Napkin Destroyer (Mini Model)- Technical Specifications</b>		
<b>Sl No</b>	<b>Item</b>	<b>Requirements</b>
<b>General</b>		
1.	No of pads to be burned/Capacity	5-7 pads/cycle
2.	Capacity per day	50-70 pads
3.	Cycle time	30-45 min
4.	Type	Wall Mountable
5.	Purpose	Burning of used sanitary napkins/pads to sterile ash
6.	Colour	Elephant grey/blue/any
7.	Operation mode	Electrically operated and fully automatic
8.	Loading type	Front loading
9.	No of chambers	Two
10	Painting	All MS parts powder coated
11	All electrical parts	ISI marked
<b>Dimension of the units</b>		
12	Thickness of door including installation	25 mm
13	Interning burning chamber shape	Rectangular cubical / vertical cylinder
<b>Construction Features</b>		
14	Insulation	Thermal ceramic sheet with glass wool of 5 mm thickness
15	Tray	Burning chamber Tray
16	Emission outline pipe location	Top of the machine
17	Emission outlet	Flexible Pipe of 2-2.5 m length
18	Means of connecting the unit outlet with flue gas emission pipe	Flanged /Clamped
<b>Control and Functional Features</b>		
19	Temperature indicator	Yes
20	Control	Timer setting
21	Auto cut off temperature display	Yes
22	Cut off Temperature	400 to 450 degree centigrade
23	Digital display to see actual set of temperature	Required with LED display
24	Temperature Primary Chamber	450 degree centigrade (Minimum)
25	Temperature Secondary Chamber	950 degree centigrade
26	Residue ash per napkin	Less than 1gm (less than 5%)
27	Installation training/demonstration and plumbing	Yes
<b>Electrical and Safety Features</b>		

28	Automatic digital controller for type	Yes
29	Automatic digital controller for temperature	Yes
30	Equipment on /off indicator	Yes
31	Power supply	230V+/-10%,50Hz single phase AC supply
32	Power saver	Auto cut off
33	Amp	Less than 13 Amp
34	Power requirement	AC 30V 50 Hz+/- 5%
35	Heater Wattage	Minimum 1000 to 1200 watt
36	Minimum length of power chord	2.5 m (with ISI mark)
37	Type of heater	Ceramic Heater containing coil
38	Safety MCB	16 A to 30 A
39	Protection against electrical shock	As per IS 102-1/2008
<b>Smoke Controlling Unit</b>		
40	Type of smoke control unit	Top mounted/side mounted
41	Material of housing smoke control unit	Mild steel (CRCA) cabinet
42	Painting of MS parts	Epoxy anti rust proof painting of superior finish
43	Ash collection tray	Removable tray, easily open for ash disposal
44	Operation Instruction	Instruction cards for operation must be available in English/Regional language
45	Warranty	Minimum one year warranty on equipment (incl. battery) with option for addl. Warranty/AMC.
46	Certification	Self-Certification by the manufacturer that the equipment or components thereof have been Manufactured in adherence to statutory compliances And test report from Govt. accredited labs are available, wherever applicable as it is an essential Requirement for ensuring quality of equipment.

### ANNEXURE- 3

#### SANITARY PAD VENDING MACHINE SPECIFICATION

<u>Specification Type</u>	<u>Particulars</u>	<u>Requirement</u>
GENERAL	Type	Wall Mounted
	Operation Mode	Electric Operated and Automatic
	Number of Napkins /pads – Holding Capacity	10-20 packets of 7s
	Type of loading	Vertical Spiral
	Vending Mechanism	One product at a time without token/coin system
	Electrical	230V +/- 50Hz
FUNCTIONAL FEATURES	Outer Body	CRCA anti- corrosive powder coated steel
	Thickness of Sheet (mm+/-5%)	1.0 or above
STOCK OUT FEATURE	Auto sensor	Should Display “No Stock” or transparent window on mainframe for visibility of low stock
OPERATION INSTRUCTION	a) Instruction cards for operation must be available in English/Regional language	
WARRANTY	Minimum One year warranty on equipment (incl. battery) with option for additional warranty/AMC.	
CERTIFICATION	Self-Certification by the manufacturer that the equipment or components thereof have been manufactured in adherence to statutory compliances and test report from Govt. accredited labs are available, wherever applicable as it is an essential requirement for ensuring quality of equipment.	