



भा.कृ.अ.प.सरसों अनुसंधान निदेशालय
ICAR-DIRECTORATE OF RAPESEED MUSTARD RESEARCH
सेवर, भरतपुर 321 303 (राज0)
Sewar, Bharatpur-321303(Rajasthan)
(An ISO 9001-2008 Certified Organization)



F. No. 4-155/SP/2016/

Dated: 24-08-2018

TENDER OPENING CLOSING AND OTHER RELATED DATES TO BE AS PER THE DATES OF THE E-PROCUREMENT WEBSITE

E-TENDER NOTICE No.- 8

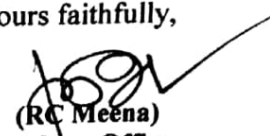
Sr.No.	Name of Items	Qty.	Estimated cost ₹	EMD2%(Rs.)	Budget
1.	Gel Documentation Unit	01	7.00 Lakhs	14000	IRA Project
2.	Seed Counter	01	0.75 Lakhs	1500	CRPMB Project
3.	Analytical Balance	01	1.25 Lakhs	2500	DRMR Budget
4.	Autoclave	02	1.00 Lakhs	2000	
5.	Laminar Air Flow Cabinet	02	1.00 Lakhs	2000	
6.	Analytical Balance	01	1.00 Lakhs	2000	
7.	UPS 5 KVA	02	1.00 Lakhs	2000	
8.	Deep Freezer -20°C	01	1.00 Lakhs	2000	
9.	Water Bath	01	0.50 Lakhs	1000	
10.	Autoclave	01	0.60 Lakhs	1200	
11.	Soxhlet Apparatus	01	0.60 Lakhs	1200	
12.	Tintometer	01	5.50 Lakhs	10100	
13.	Re-Circulating Chiller	01	0.50 Lakhs	1000	
14.	Laminar Air Flow Work Station	01	0.90 Lakhs	1800	
15.	20 HP Submersible pump set	01	0.75 Lakhs	1500	
16.	BOD Incubator	01	1.50 Lakhs	3000	
17.	Hot Air Oven	01	0.50 Lakhs	1000	
18.	Thresher	01	2.24 Lakhs	4480	
19.	Microwave oven	01	0.25 Lakhs	500	

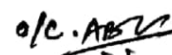
Note:- E-Tender document can be obtained from website of e-Procurement <http://e-procurement.gov.in> without any charges. For applying for the tender payment of non-refundable tender fee of Rs. 500/- for each item in the form of crossed Bank Draft drawn in favour of the Director, DRMR, Bharatpur (Raj.) 321 303. Tender form along with relevant detailed specifications and other terms & conditions related to the supply /payment etc. can be download from Online website <http://e-procurement.gov.in> with Tender fee amounting to Rs. 500/- each item. Tender document complete in all respects are to be submitted in two bids format Technical bids and Price bid separately. The Price of Indigenous items should be quoted for on FOR DRMR, Bharatpur basis & for Imported / Foreign Origin equipment's should be quoted FOB basis strictly. The complete Tender documents should be uploaded on the above website upto the date and time mentioned as per e-procurement website. The DD for tender fee and EMD of each item should reach to this office by post before tender opening date. Any queries regarding tender-notice can be made at the office during office hours. The Director, DRMR, Bharatpur reserves the right to reject any or all the tenders at his discretion without assigning any reasons whatsoever to any of the Tenderer concerned.

Terms and Conditions

1. The tenderer shall quote rates, which will include the delivery (Supply and installations) & other incidental charges. Taxes, if any, should be indicated separately.
2. The rates should be quoted as per the Financial Bid/BOQ format uploaded on the CPP Portal. Taxes, if any should be indicated separately. It must be noted that the contract shall be awarded to the firm which fulfils all the required specifications, terms and conditions and remains L-1.
3. The firm must also possess valid PAN No., TIN No. & GST registration number and a copy of all these must also be enclosed with the tender document.
4. The successful firm shall have to supply the **item** (from the date of confirmed supply order) **within 30 days or as mentioned in the supply order (P.O.)** and if the materials are not supplied and installed in time then EMD shall be forfeited. The rates quoted shall be valid for 6 months from the date of opening of tender.
5. No variation in terms of quality of the items shall be entertained or else EMD/Security deposited shall be forfeited. The Director, DRMR, Bharatpur shall have the right to reject all or any of the offers, accept more than one offer, and assign part of the job.
6. Merely quoting of lowest rates does not mean that order shall be given to that firm. The competent authority will finally decide on the basis of quality & performance of past installations.
7. The interested Firms are required to deposit (in original) an Earnest Money Deposit (EMD of the amount mentioned against each item in the form of Demand Draft from any of the Commercial Bank in favour of ICAR Unit-DRMR, Payable at Bharatpur may be addressed to Director, ICAR, DRMR, Bharatpur on or before bid submission closing date and time as mentioned in critical date sheet. No quotation shall be considered without the earnest money deposit. Demand Draft drawn in favour of any officer other than "ICAR-UNIT DRMR," payable at Bharatpur will not be accepted and the tender will be rejected. The earnest money will be refunded only after the finalization of the procurement and no interest will be paid on earnest money.
8. Rates once finalized will not be enhanced/reduced during the currency of the contract.
9. In case, the successful bidder shows inability at any stage, after the contract is finalized and awarded, for whatsoever reason(s) honour the contract, the earnest money/performance security deposited would be forfeited.
10. The firm to whom the tender will be awarded, will have to deposit the performance security equal to 5% - 10% of the total amount at the time of installation of equipment. If the services are not found to be satisfactory, the performance security is liable to be forfeited. No interest will be paid on performance security.
11. If any dispute(s) arises between ICAR-DRMR, Sear, Bharatpur and the firm with reference to the contract, ICAR-DRMR, Sear, Bharatpur will decide it and its decision will be binding on the firms.
12. **Bid Validity: 90 days.** The contract will be given to Least one (L1).

Yours faithfully,


(RC Meena)
Sr. Admn. Officer


o/c. AB

Gel-Documentation Unit

Technical specifications:

- 1) GLP compliant, fully automated microprocessor based computer controlled Gel Documentation & Image analysis system, for fluorescent & colorimetric work.
- 2) With high resolution 12-20 bit scientific grade CCD camera with REAL Camera Resolution of at least REAL 3.0-4.0 million pixels.
- 3) The camera should be equipped with motorized zoom lens f1.2, 10-70 mm with numerical feedback value to reduce the experimental variation.
- 4) The system should be able to capture publication quality images with a resolution of >5-8 megapixels.
- 5) Sample trays are customizable per user and recognized automatically to facilitate multi-user and multi-lab instruments.
- 6) System can take max. sample size 25 x 30 cm, max image area 25 x 25/30 cm (transilluminator of size approx. 26 x 30 cm image area), capable of capturing sharp color and monochrome images of even faint bands (of picogram density) of any small fragment of nucleic acid.
- 7) Upgradable to Chemiluminescence.
- 8) Should have at least three modes of illumination control (Trans-UV, trans-white, epi-white).
- 9) UV lighting System with image viewing area of at least 25 X 30 cm filter, and control for fully variable intensity, UV-to-White light converter for viewing protein gels and for other white light applications.
- 10) White light conversion screen for protein imaging and analysis.
- 11) Compact universal dark hood with full access sliding door and upgradeable to fluorescence, colorimetry/densitometry. UV cut off on door open with cabinet fitted to camera (camera mounted on hood/cabinet) suitable for gel documentation.
- 12) Automatic Application driven software to capture the image automatically.
- 13) Image Lab Features - Single mouse click from image capture to results and reports, very fast and efficient.
- 14) Database Software to match unlimited number of primers in unlimited Gels; Genotyping capabilities, Create cluster analysis, RFLP, RAPD, Fingerprinting, VNTR analysis, Genotyping, and should be with FREE lifetime up gradation.
- 15) The system must be provided with one printer with latest configuration.
- 16) 1 no. compatible computer.
- 17) 1 no. online UPS of 2KVA compatible for the highest capacity of power supply system for at least two hours.
- 18) CE/ISO 9001 manufacturer certificate to be enclosed with the offer
- 19) Authorization letter.

NOTE: The Company should provide minimum of one year Comprehensive Warranty (CMC) on the whole system. Quotations from firms must provide list of users with updated telephone numbers and addresses and provide complete literature of equipment.

Seed counter Specifications (Sr. No. 2)

1. User friendly with simple key pad operation
2. Fully automated operation.
3. LED showing the hypothes number and the actual number and Clear display
4. Count speed is adjustable, high accuracy, metal shell, no noise, high precision, and elegant appearance and Compact design
5. Measuring range: 1-99999
6. Application scope: Suitable for both round and long seeds. Small sample: 0.7mm - 4mm x 0.7-12mm big sample: 3mm - 10mm x 3mm - 12mm. Particularly suitable for Sample seed such as rapeseed –mustard seeds.
7. Time for test: more than 1000 seeds / 3minute
8. Precision mode: Big seed sample: 2min / 1000 seeds
9. Precision mode: Small seed sample: 4min / 1000 seeds
10. Continuous working time: More than 6 hours
11. Seed counter should have unique automatic vibration system for power-off protection, which can greatly extend the working life.
12. Essential accessories: With one no. UPS/stabilizer.

NOTE: The Company should provide minimum of 3 years Comprehensive Warranty (CMC) on the whole system. Quotations from firms must clearly indicate details of after-sale service including response time at DRMR, Bharatpur and list of users (in ICAR) with updated telephone numbers and addresses and provide complete literature of equipment. The system should have Q3 certificate i.e. Installation Qualification, Performance Qualification and Operational Qualification on the site. The vendor should have a good service and application support backup. ISO 9001 manufacturer certificate to be enclosed with the offer.

(Sr. 03)

Specifications for Analytical Balance

1. Chemical resistant ABS Plastic, Aluminum Die-cast
2. Easy to operate and Robust: Simple menu navigation and integrated applications at the touch of a key
3. Clearly visible icons for easy-to-follow balance operations
4. Built-in Level Control function to warn when balance is not level and provides onscreen guidance to level balance correctly within seconds
5. Electrical requirements 100/240V 50/60 Hz universal with 15 mins backup.
6. Calibration: Internal, fully automatic calibration; also offers external
7. Weighing units mg/g or more
8. Stability indicator
9. Verified models
10. Readability 0.01mg
11. Maximum weight 60-120 g
12. Minimum weight 8.2mg or even less
13. System should have international certification.
14. Company should have good number of installations and user list also attached with technical bid.
15. The Company should provide minimum of 2 years comprehensive warranty (CMC) on the whole system.
16. Quotation from firm must clearly indicate details of after sale service including response time at DRMR, Bharatpur.
17. List of users (in ICAR) with updated telephone numbers and addresses and provide complete literature of equipment.
18. The system should have Q3 certificate i.e Installation Qualification, Performance Qualification and operational Qualification on the site.
19. The vendor should have a good service and application support backup.
20. CE/ISO 9001 manufacturer certificate is to be enclosed with the offer.
21. System should have international certification.
22. Company should have good number of installations and user list also attached with technical bid.
23. The Company should provide minimum of 2 years comprehensive warranty (CMC) on the whole system.
24. Quotation from firm must clearly indicate details of after sale service including response time at DRMR, Bharatpur.
25. List of users (in ICAR) with updated telephone numbers and addresses and provide complete literature of equipment.
26. The system should have Q3 certificate i.e Installation Qualification, Performance Qualification and operational Qualification on the site.
27. The vendor should have a good service and application support backup.
28. CE/ISO 9001 manufacturer certificate is to be enclosed with the offer.

(Sr. No. 4)

Annexure-I

Autoclave

Technical specifications:

- 1) Vertical autoclave for sterilization purposes, with double walled construction.
- 2) Size of chamber: 420-450 mm dia. x 590-610 mm depth.
- 3) Inner chamber made up of 15-18 gauge stainless steel and outer chamber and lid made up of heavy/thick duty mild stainless steel.
- 4) With pressure adjustable in between 5 to 22 P.s.i.
- 5) Pressure is indicated by pressure gauge supplied complete with stainless steel perforated basket cord plug to work on 220-230V.
- 6) With pressure control device (Piezostat).
- 7) With ISI mark heating elements, which are easily replaceable and heats the water to desired temperature and pressure.
- 8) With automatic timer (0 to 60 minutes).
- 9) The unit must have microprocessor based controller with programmable features with character LCD display, 4 program keys, one start/stop key, Automatic soak, purge, Exhaust setting, with high alarm set.
- 10) With automatic low water cutoff.
- 11) Should have water inlet and outlet valves and a water level gauge.
- 12) Should have 121°C working temperature at 15 to 20 psi pressure.

NOTE: The Company should provide minimum of one year Comprehensive Warranty (CMC) on the whole system. Quotations from firms must provide list of users with updated telephone numbers and addresses and provide complete literature of equipment.

(Sr. No. 5)

Annexure-II

Laminar Air Flow Cabinet

Technical specifications:

- 1) Horizontal laminar air flow cabinet, fabricated with 16-20 mm thick duro board with interior covered with epoxy paint and exterior with thick white mica sheet.
- 2) Size: approx. 6 ft x 2ft x 2ft.
- 3) Table top covered with non-antiglare platform of stainless steel sheet.
- 4) Side panels fixed and made up of clear 0.25-0.3 inches thick glass or perspex sheet.
- 5) Pre-filters: upto 5 microns size, fungus, bacteria and moisture resistant.
- 6) HEPA filters: 0.2-0.3 microns size, protected with expanded metal sheet or plastic sheet.
- 7) With statistically balanced blowers with air velocity 0.5 m/s, noise free or with minimum noise level.
- 8) With 2 no. fluorescent tube lights with all necessary fittings, to provide 800-1000 lux light.
- 9) With static pressure manometer fixed and accurately calibrated to assess static pressure in HEPA filters.
- 10) Provided with UV light of 30-35 w, 254 nm.
- 11) With control panels for mains indicator lamp fluorescent and UV tube switch etc.
- 12) Provided with gas line fitting made up of brass or any other metal to connect the equipment to gas.

NOTE: The Company should provide minimum of one year Comprehensive Warranty (CMC) on the whole system. Quotations from firms must provide list of users with updated telephone numbers and addresses and provide complete literature of equipment.

(Sr. No. 6)

Annexure-III

Analytical balance

Technical specifications:

- 1) Analytical type with glass housing for balance.
- 2) With electronic digital display for different weighing units like mg, g etc.
- 3) Readability: from 0.01 to 0.1 mg.
- 4) With tare keys/auto-zero function.
- 5) Weighing pan of stainless steel of size 75-85 mm diameter.
- 6) Weighing capacity: 200 g or more.
- 7) Response time: ≤ 3 seconds.
- 8) Fully automatic temperature controlled internal calibration and facility for adjustment with variable external weights.
- 9) With different modes of weighing and wind draft sheet.
- 10) Facility to withstand wide fluctuations in voltage of electrical power supply.
- 11) With overload protection.
- 12) Draft shield internal height: $\geq 20-25$ cm.

NOTE: The Company should provide minimum of one year Comprehensive Warranty (CMC) on the whole system. Quotations from firms must provide list of users with updated telephone numbers and addresses and provide complete literature of equipment.

(Sr. No. 7)

Annexure-IV

5 KVA UPS

Technical specifications:

- 1) Online UPS system with a power back-up of at least 2-3 hours.
- 2) The UPS must offer a high quality and reliable power back-up solution.
- 3) Can work up to 45°C temperature.
- 4) With LCD/LED display showing on/off mode, voltage etc.
- 5) Short circuit and overload protection.
- 6) With generator compatibility.
- 7) Automatic battery charging.
- 8) Wide input voltage range.
- 9) Noise label ≤ 50 dB, forced air-cooled/ventilation.

NOTE: The Company should provide minimum of one year Comprehensive Warranty (CMC) on the whole system. Quotations from firms must provide list of users with updated telephone numbers and addresses and provide complete literature of equipment.

(Sr. No. 8)

Annexure-V

Deep Freezer (-20 °C)

Technical specifications:

1. Vertical deep freezer with a capacity of 320-340 litres.
2. Microprocessor temperature controller, Temperature range: from -10°C to -25°C, can be set freely.
3. External LCD display to make clear the temperature information.
4. With 5-6 shelves.
5. Pull out drawers and shelves.
6. Fully automatic operation.
7. Manual defrost.
8. Interior white food safe plastic.

NOTE: The Company should provide minimum of one year Comprehensive Warranty (CMC) on the whole system. Quotations from firms must provide list of users with updated telephone numbers and addresses and provide complete literature of equipment.

(Sr. No. 9)

Annexure-VI

Water Bath

Technical specifications:

- 1) General purpose heating water bath with a capacity of 4-6 litres water.
- 2) Outer cabinet material made up of epoxy powder-coated steel and inner chamber made up of stainless steel.
- 3) Can offer a temperature range from ambient to 100 °C.
- 4) With 3-4 temperature presets.
- 5) Temperature uniformity: ± 0.25 °C.
- 6) With digital temperature controller and LCD/LED temperature display.
- 7) Heating capacity of 280-320 W.

NOTE: The Company should provide minimum of one year Comprehensive Warranty (CMC) on the whole system. Quotations from firms must provide list of users with updated telephone numbers and addresses and provide complete literature of equipment.

(Sr. No. 10)

Specifications for Autoclave

1. Vertical laboratory autoclave with sterilization chamber volume of 50 litre.
2. The sterilization chamber constructed of corrosion resistant stainless steel.
3. Microprocessor controller for high precision temperature control.
4. Display for temperature, timer and warning alert checks.
5. Automatic sterilization system for unattended operation.
6. Sterilization temperature at 121 C.
7. The pressure gauge attached to the front side for easy check.
8. The instrument should have Mechanical Safety Devices:-
9. Over current protection.
10. Over temperature protection by automatic power cutoff.
11. Over pressure protection by automatic and manual safety valve.
12. The instrument should have Safety Warning System.
13. Over temperature warning
14. Sterilization fail warning
15. Supplied with two suitable stackable stainless steel bucket for sterilization.
16. Supplied with an Extra silicone or suitable gasket.
17. Electric requirement: Single phase, 230V , 50-60 Hz.
18. System should have international certification.
19. Company should have good number of installations and user list also attached with technical bid.
20. The Company should provide minimum of 2 years comprehensive warranty (CMC) on the whole system.
21. Quotation from firm must clearly indicate details of after sale service including response time at DRMR, Bharatpur.
22. List of users (in ICAR) with updated telephone numbers and addresses and provide complete literature of equipment.
23. The system should have Q3 certificate i.e Installation Qualification, Performance Qualification and operational Qualification on the site.
24. The vendor should have a good service and application support backup.
25. CE/ISO 9001 manufacturer certificate is to be enclosed with the offer.

REQUISITION

NAME	Purpose of	Budget
tion	state	provision

(Sr. No. 11)

Exhlet Apparatus specifications

1. Each sample position is individually adjustable with individual energy regulator
2. Effective coil condenser with both inlet and outlet at the top for easy handling
3. Practical stand for holding condensers securely between extractions
4. Mounts for safety holding glass parts after removal of the flask
5. Supplied with silicone tubing, glass parts and compact stand
6. Efficient heating block with aluminium cup ensuring uniform heating
7. Aluminium cup can be filled with water to make the instrument act like a water bath. It is a safety measures.
8. Sample holding positions of 4-6. Should have individual temperature regulator for all (temperature adjustment ranging from room temperature to +/- 100 degrees).
9. Surface damage should be prevented through use of rubber buffers.
10. Flask capacity of 200 -250ml with extractor capacity of 100 ml
11. Additional spare parts should be provided along with the apparatus

NOTE: The Company should provide minimum of 3 years Comprehensive Warranty (CMC) on the whole system. Quotations from firms must clearly indicate details of after-sale service including response time at DRMR, Bharatpur and list of users (in ICAR) with updated telephone numbers and addresses and provide complete literature of equipment. The system should have Q3 certificate i.e. Installation Qualification, Performance Qualification and Operational Qualification on the site. The vendor should have a good service and application support backup. ISO 9001 manufacturer certificate to be enclosed with the offer.

Specifications

(Sr. No. 12)
Tintometer,

1. Single Scale Spectrophotometer for RYBN (Red, Yellow, Blue, Neutral)
 - Ideal for the Colour Measurement of Oils & Fats
 - Direct colour readings with minimum volume of oil (3-5ml)
 - Full support for RCMSi (Remote Calibration and Maintenance via internet)
 - Optional heated sample chamber for maintaining samples at high temperature
 - USB & LAN interface
 - Robust steel construction with excellent chemical resistance
 - Easy maintenance with removable sample chamber
2. Furthermore, instruments should uniquely include a long sample chamber that house cells of up to a 6" path length, enabling the instrument to obtain direct colour readings, without multiplying errors, with 5 1/4" cells.
3. Upgraded version with additional scales should be provided.
4. Easy quick and simple quality control checks on instruments and operators.
5. Should include easy-to-use, press-button technology which requires no special skills to operate. The built-in menu guides users through the selection of operating parameters - such as language selection. Thereafter, readings are made with a single key press, taking less than 30 seconds to complete
6. Less noise with power supply and power watts of A.C. 220V/50 Hz and 50 W

Essential accessories: With one no. AC (two tones) of split type / UPS/stabilizer.

NOTE: The Company should provide minimum of 3 years Comprehensive Warranty (CMC) on the whole system. Quotations from firms must clearly indicate details of after-sale service including response time at DRMR, Bharatpur and list of users (in any reputable institutes) with updated telephone numbers and addresses and provide complete literature of equipment. The system should have Q3 certificate i.e. Installation Qualification, Performance Qualification and Operational Qualification on the site. The vendor should have a good service and application support backup. ISO 9001 manufacturer certificate to be enclosed with the offer.

(Sr. No. ~~4~~ 13.)

Specifications of Re-circulating chiller

1. Compact design that fits effortlessly on a laboratory bench
2. Compatible with Soxhlet apparatus/rotary evaporator
3. Thermal fluid fill volume: 2-4 Lit
4. Cooling capacity of 250 W
5. Clearly arranged control elements
6. Large LED display
7. Membrane keypad
8. Window for monitoring the tempering liquid level
9. Automatic start and shut down feature
10. Temperature range from -10 °C to +20 °C
11. Temperature stability of ± 0.5 K
12. Cooling capacity at +20 °C 250 W
13. Noise level < 70 db
14. Ambient temperature range (storage) 5 – 40 °C
15. Cooling Air-cooled
16. Standard supply voltage 230 V (50 Hz) or 115 V (60 Hz)
17. Rated power intake (230 V / 115 V) 230 W / 230 W
18. Cooling output 350 W
19. System should have international certification.
20. Company should have good number of installations and user list also attached with technical bid.
21. The Company should provide minimum of 2 years comprehensive warranty (CMC) on the whole system.
22. Quotation from firm must clearly indicate details of after sale service including response time at DRMR, Bharatpur.
23. List of users (in ICAR) with updated telephone numbers and addresses and provide complete literature of equipment.
24. The system should have Q3 certificate i.e Installation Qualification, Performance Qualification and operational Qualification on the site.
25. The vendor should have a good service and application support backup.
26. CE/ISO 9001 manufacturer certificate is to be enclosed with the offer.

1

Sr. No. ~~10~~ 14.

S. No.	Name of item with full specification/ details
1.	<p>Laminar Air Flow Work Station, Specificatin: 4x2x2 ft. Horizontal with Hepafilters, Bio Safety Cabinet, Side panel: Acrylic in aluminum frame, Front panel: Sliding, Aluminum frame plus Acrylic; Built-in fluorescent light and Slip hatch access port; Switches and indicators: Individual switches and indicator lamps for blower motor with variable speed blower control, florescent lamp and UV lamp, Separate lighted power ON/OFF indicator switches for blower and lighting</p>

Specifications

Sr.no. 15. Pumpset

20 HP submersible Crompton 3-1 pumpset 6w 16 d 20 - for irrigation purposes

Sr. no. 18. Thresher **Complete set**

Cutter thresher (Super variver) **Complete set** including Tyre tube and all the other accessories

Sr. No. ~~10~~ 16.

1. B.O.D. Incubator: 1 no.

Specification:

- Temp range: PT-100 temperature sensor 5-60°C controlled by microprocessor based digital temperature Indicator cum controller. Fan cooled condenser. The resolution of digital controller is 0.1°C and accuracy of ± 0.5 °C.
- Relative humidity: ambient to 80 per cent
- Double walled, inner made of Stainless Steel, outer made best quality mild steel, anti-rusting. Insulation between inner and outer wall with high grade glass wool. Mounted on castor wheels.
- Inner chamber with 3 nos. stainless steel shelves with ribs. Provided with double door, inner made of thick transparent full view glass.
- Interior Illumination with 3 nos 60cm florescent tube vertically
- Display: LCD/LED with backlit
- Compressor: Hermetically sealed type of standard make, CFC free; refrigerant dual turbofan circulation
- Electronics: microcontroller based, digital display of temperature
- Voltage: 220V, 50 Hz Ac +10%
- One year warranty on whole system.

Sr.No. 17.

1.

HOT AIR OVEN

Size : 18" X 18" X 24"

- Double walled, inner made of thick stainless steel, outer made of heavy duty mild steel duly primer coated and enamel painted.
- Insulation between inner and outer wall with thick glass wool/fibre glass
- Provided with double walled door with inner made of thick stainless steel.
- Inner chamber 3 nos. stainless steel shelves.
- Temp. range from ambient +5°C to 250°C with an accuracy of $\pm 1^\circ\text{C}$ and is controlled by Microprocessor based digital temperature.
- Heating with ISI mark heating elements in bottom and in three sides to maintain the uniformity of the temp.
- Air circulating fan.
- 220/230V 50HZ single phase A.C.
- One year warranty on whole system

(Sr. No. ~~25~~ 19.)

S. No.	Name of item with full specification/ details
1.	Microwave oven Specification: Function: Convection, Capacity: 25 litre, Cavity type: Stainless steel, Control type: Rotatory knob with Led display, Tumtable diameter 270; Voltage (Watts): 1400