



राष्ट्रीय आयुर्वेदीय पंचकर्म अनुसंधान संस्थान

(कन्द्रीय आयुर्वेदाय विज्ञान अनुसंधान परिषद)

आयुर्वेद मंत्रालय, भारत सरकार, चरलूरुगीरी, त्रिशूर, केरल - 679 531

National Ayurveda Research Institute for Panchakarma

(Central Council for Research in Ayurvedic Sciences)

Ministry of AYUSH, Govt. of India, Cheruthuruthy, Thrissur, Kerala - 679 531



F.No.1/3/2021/NARIP/P&M/Asset/ 612

Date: 04 AUG 2021

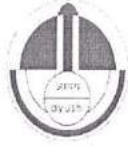
INVITATION OF TENDERS FOR SUPPLY OF "LABORATORY EQUIPMENTS"

Sealed tenders are invited from registered firms for supply of "Laboratory Equipments (List of Equipments and Specifications details attached)". Details in this regard can be obtained from CCRAS Website www.ccras.nic.in

The interested firms are requested to follow the terms and conditions stipulated in the Tender notice included in the Website.

Director (Institute)

मन्त्र



राष्ट्रीय आयुर्वेदीय पंचकर्म अनुसंधान संस्थान

(केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद्)

आयुष मंत्रालय, भारत सरकार, चरुथुरी, त्रिपुर, केरल - 679 531

National Ayurveda Research Institute for Panchakarma
(Central Council for Research in Ayurvedic Sciences)

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F.No. 1/3/2021/NARIP/P&M/Asset/ 612

Date:

04 AUG 2021

TENDER NOTICE

Sealed tenders are invited from registered firms for supply of “**Laboratory Equipments (List of Equipments and Specifications details attached)**” to National Ayurveda Research Institute for Panchakarma, Cheruthuruthy.

1. General information about tender:

1.	Last date for submission of Tender	F.No. 1/3/2021/NARIP/P&M/Asset
2.	Last date of receipt of bids	17.08.2021 (04.30 PM)
3.	Date and time to opening of Tender	18.08.2021 (03.00 PM)

2. The tenders shall be subject to the following conditions.

- I. The rates quoted should be inclusive of all taxes and other charges viz. packing, forwarding etc. And should be firm for a period of one year from the date of opening of tenders and no request for increase in rates will be entertained during the period of agreement.
- II. **The tendering Companies/Firms/Agencies are required to enclose self attested/certified photocopies of the following documents along with the Technical Bids & Financial bids separately, failing which their bids shall be summarily out-rightly rejected and will not be considered.**
 - A) Copy of income Tax, PAN card and shop Act License,
 - B) Copy of the G.S.T. registration certificate.
- III. Firm who are authorized dealers for a particular manufactures may enclose a copy of the latest dealership certificate issued by the manufacturer/s. Such firms will be given preferential treatment among firms which have offered to supply the same product from that particular manufacturer.
- IV. The sealed tender for “**Laboratory Equipments**” should reach this Institute on or before. 17.08.2021, and shall be opened on. 18.08.2021, at 3.00PM for which each firms may send its representative.

P.T.O

- V. The tender submitted in response to this Tender Notice and subsequent contract, if any, entered into, will be subject to the following conditions:-
1. On the basis of the tender received from a firm, the institute's Letter informing them of the extent of acceptance of the same, including details of the items which they will be required to supply, shall be deemed as a concluded contract and the firm will be required to supply those items within 15 days of receipt of every purchase order from the Institute
 2. If a firm foresees a possibility that the requirement of the Institute cannot be met within the stipulated time period, it will inform the institute of the same at the earliest possible and also state the additional time period within which the items can be supplied. The institute will consider the same and take a decision whether the reasons given by the firm are justified and in case the institute decides otherwise, it will be deemed as deficiency of service and the firm will be liable to forfeit the amount of performance Guarantee.
- VI. Firms are required to submit their quotation along with a copy of the Tender Notice, duly signed by the same signatory who has signed the quotation, in confirmation of the fact that they are agreeable to the terms and conditions stipulated therein.
- VII. Tenders written with pencil, erased or over-written Tenders will be out rightly rejected. The Director, NARIP reserves the right to accept any Tenders or reject all or any of the Tenders without assigning any reasons what so-ever.

Yours faithfully


Director (Institute)

TECHNICAL BID

M/s.....

.....

.....

(Name, Address, Land line and Mobile)

Nos. of the bidding firm/agency

Name of Instrument: - Ultra Sonic Water Bath/Cleaner

S. No	Specifications/Requirements	Kindly provide the details enclosed
1	Capacity – 3-6 Liters	
2	Ultrasonic power – 100 to 200 W	
3	Heater/Temperature range: RT to 90°C	
4	Sonics – Continuous or timed sonics – 0.1 to 99.9 minutes	
5	Time range – 0 to 100 minute	
6	Electrical Supply – 220 – 240 V	
7	Bath dimension – Internal body material should be stainless steel 304 grade or 316 grade, tank should be without welding gap for better water proof	
7	With LED digital display for temperature and timer	
8	Turbo power: Normal and soft function to resolve the cleaning blind spot	
9	Memory function and audio visual alarm	
10	Automatically ultrasonic frequency tracking and CE/BIS/GMP approved/certified	

Name of Instrument: - Stability/Environmental Test Chamber

S. No	Specifications/Requirements	Kindly provide the details enclosed
1	Volume: 300 Liters or better	
2	Number of trays: 03 or better	
3	Internal Dimension (mm): 500 × 400 × 600 (W×D × H) ±5% or better	
4	Temperature Range: 10 to 60°C ± 1°C	
5	Humidity Range (RH): 40% to 95% ±3%	
6	Temperature & Humidity: Microprocessor controlled with capacitance type sensor	
7	Display: Digital Screen for ease of reading regarding temperature and humidity.	
8	Power Failure Alarm: Audio Visual Alarm	
9	Door Open Alarm: Audio visual alarm in case door opens	
10	Alarm on Humidity and Temperature Variation: Audio, Visual Alarm on variation of	
11	Set Humidity ± 3% , Set Temperature = ±1°C	
12	Illumination: 8 watts fluorescent Tube	
13	Internal Body Material: Stainless steel 316 Grade	
14	External Body Material: Stainless-Steel i.e. SS Grade without paint.	

15	Insulation: 70 mm minimum for body & 80 mm for door, CFC Free polyurethane foam	
16	PUF)	
17	Noise Level: Less Than 65 db(A)	
18	Electrical: 220-240, 50 Hz, Single Phase	
19	Voltage Stabilizer: Voltage stabilizer compatible with the equipment and will supply by the supplier	
20	Software: As per 21 CFR Part-II; Software for Humidity & Temp. Data.	
21	Computer: Latest AIO, i5 computer system with inbuilt window, printer and UPS (30 to 60 min. backup).	
22	Vendor should be provided Specific Manufacturer Authorization letter	
23	Vendor should have service facility at Trissur or nearest districts.	
24	Warranty should be more than One year with periodic preventive inspection every 3 months during the warranty period.	

Name of Instrument: - Bulk/Tap Density Apparatus

S. No	Specifications/Requirements	Kindly provide the details enclosed
1	Incorporated with Advanced Microcontroller.	
2	Supports USP – I and USP – II.	
3	Alphanumeric display and user friendly feather touch keypad.	
4	Built-in validation facility.	
5	Instruments should be automatically calculate the tapped density and other parameters.	
6	Informative help prompt messages displayed, to guide user while conducting test.	
7	Updated test status displayed.	
8	Password protection facility to safe guard data.	
9	Non-volatile memory for storage of 24 test method.	
10	Updated test status displayed.	
11	Calculates Bulk Density, Tapped Density, Compressibility Index and Hausner Ratio	
12	Simultaneous action of rotating and tapping of the cylinders.	
13	Print format as per GLP requirements.	
14	Compliant with USP Specifications.	
15	Test Method: USP – I and USP –II	
16	Tapping Range: 1 – 9999 Taps	
17	Drive: Stepper Motor	
18	USP-I: Tap Height: 14mm ± 2mm and Tapping Rate: 300 Taps/Minute. approx.	
19	USP-II: Tap Height: 3mm ± 0.3mm and Tapping Rate: 250 Taps/Minute. approx.	
20	Cylinder Rotation: Simultaneous rotating and tapping of the cylinders.	
21	Display: 20 x 4 Lines, Wide Angle, Alphanumeric Backlit LCD	
22	Key Board: 4 x 4 Matrix Feather Touch Key Board	
23	Parallel Port Printer Interface for Dot Matrix Printer	
24	Compliant with USP Specifications:	
25	Power Supply: 230 ± 10 V AC, 50/60 Hz, 2 Amps Max.	
26	Vendor should have service facility at Trissur or nearest districts.	
27	Vendor should be provided specific Manufacturer Authorization Certificate	
28	Warranty should be more than One year with periodic preventive inspection every 3 months during the warranty period.	
29	Standard accessories:- <ul style="list-style-type: none"> • Validated Measuring Cylinder 250ml. 2No's • Validated Measuring Cylinder 100ml. 2No's • Holder for 250 ml Cylinder. 2No's • Holder for 100 ml Cylinder. 2No's 	

Name of Instrument: - Sieve Shaker

S. No	Specifications/Requirements	Kindly provide the details enclosed
1	3 directional shifting motion	
2	Intermittent and Continuous tapping motion	
3	Very low noise operation	
4	Wet Sieve attachment(Optional)	
5	Mesh is uniformly tensioned & welded	
6	Display: 16 x 2 character alphanumeric LCD	
7	Intermittent operation: At interval Up to 0.5 seconds Capacity: Up to 8 Sieves of 50 mm height	
8	Shake time: Programmable from 1min to 99 min Power (Vibration) level: Programmable from 5 to 20	
9	Max. Batch / Feed Capacity: 3Kg	
10	Noise Level: Less than 61 dB without sieves at maximum amplitude	
11	Less than 71 dB without sieves and material at maximum amplitude	
12	Dimensions [L X W X H]: 339 X 312 X 270mm	
13	Weight of the instrument should be 50 kg or less	
14	Power: 220 / 230 V AC, 50 Hz, 600VA	
15	Should be supplied Main Unit + Lid + Receiver + 2 Nos. of sieves (Mesh Size from 5.6 mm to 40 µm with compliance certificate, S - 200 XX user selectable).	
16	Warranty should be One year with periodic preventive inspection every 3 months during the warranty period.	
17	Vendor should be provided specific Manufacturer Authorization Certificate	
18	Vendor should have service facility at Trissur or nearest districts.	

Name of Instrument: - Centrifuge

S. No	Specifications/Requirements	Kindly provide the details enclosed
1	Precise RPM setting from 500 to 15000 RPM with least count of 00RPM	
2	Lid lock safety - Lid releases (automatically) after run completion	
3	Timer setting from 1 to 30 minutes & infinite mode	
4	Smart airflow design ensures quiet operation and low temperature rise	
5	Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function	
6	Should have Brushless DC Motor	
7	Auto cleavable rotors and with tube adaptors 2ml / 5ml/ 7ml / 9 ml tubes	
8	Lid lock and Imbalance Detection with Auto cutoff	
9	One Switch Changeover from RPM to RCF	
10	Maximum Speed: 15000RPM	
11	Dimension: 260 X 244 X 205 mm(W x D x H)	
12	Weight should be less than 4kg	
13	Noise level should be <60db or less	
14	Should be supplied 6x 15 ml	
15	Should be supplied adaptors for 5,7 ml & 1.5/2 ml tubes	
16	Certification: CE	
17	Vendor should be provided Specific Manufacturer Authorization Certificate	
18	Warranty should be One year with periodic preventive inspection every 3 months during the warranty period.	
19	Vendor should have service facility at Trissur or nearest districts.	

Name of Instrument: - Melting point Apparatus

S.No.	Parameters	Specifications/Requirements	Kindly provide the details enclosed
1	Temperature range (°C)	Ambient to 400 °C	
2	Resolution (°C)	1 to 2	
3	Number of Samples run/view at Simultaneously	02	
4	Accuracy (°C)	±1.0 (at room temperature), ±2.5 (at >250 °C)	
5	Ramp rate (°C/min)	10-20°C/min till plateau	
6	Cool down time 350 to 50 °C (min):	~30°C to 40°C	
7	Display	3-digit LED/LCD	
8	Power supply	230-250 V, 50 Hz, 75 W	
9	W×D×H (mm)	150-170×200-220×160-180	
10	Weight (kg)	1 to 2kg	
11	Samples viewed	Samples viewed via a magnifying lens and with clear observation	
12	Sample View angle	Operating with optimum view angle	
13	Plateau temperature	Easy to operate plateau temperature facility	
14	Warranty, AMC and Visiting	1 year warranty date of installation and antimicrobial protection with periodic preventive inspection every 3 months during the warranty period.	
15	Manufacture Authorization certificate	Vendor should be provide specific Manufacture Authorization Certificate	

SIGNATURE WITH DATE AND
SEAL OF THE AUTHORIZED SIGNATORY

To

The Director (Institute),
National Ayurveda Research Institute for Panchakarma,
Cheruthuruthy-P.O.
Thrissur(Dist.) Kerala – Pin - 679531.

Sir,

I/wewho are established and reputed firm dealing with
Supply of **Laboratory Equipments** forhereby offer our tender against
the tender ref. No.....and accept the terms& conditions of the tender and enclose a
copy of the tender document duly signed by the authorized signatory.

Yours faithfully,

(Name) for and on behalf of M/s.

.....
(Name of manufacturers)

Note: - This letter of authority should be on the letter head of the concern and should be signed by an
authorized signatory.

CREDENTIAL DETAILS

SL.No	Documents kept in the Technical Bid envelope	Whether enclosed (The firm would write Yes or No in the respective columns)
2	Copy of Registration/License and other documents	
3	Self certificate in respect of not being blacklisted by any Govt./Semi Govt.Office	
4	Details & Copy of GST No. if applicable to the firm	
5	Copy of PAN of firm	
6	Authorization Certificate	
7	Mobile No/Email	

It is hereby declare that the Terms & Condition of the National Ayurveda Research Institute for Panchakarma No...../ dated/...../..... are fully acceptable to our firm/agency.

(To be signed by the Authorized Signatory of the firm/agency with Name and Stamp)

FINANCIAL BID

1. Name of Instrument: - Ultra Sonic Water Bath/Cleaner

S. No	Specifications/Requirements	Total Amount (Including GST)
1	Capacity – 3-6 Liters	
2	Ultrasonic power – 100 to 200 W	
3	Heater/Temperature range: RT to 90°C	
4	Sonics – Continuous or timed sonics – 0.1 to 99.9 minutes	
5	Time range – 0 to 100 minute	
6	Electrical Supply – 220 – 240 V	
7	Bath dimension – Internal body material should be stainless steel 304 grade or 316 grade, tank should be without welding gap for better water proof	
7	With LED digital display for temperature and timer	
8	Turbo power: Normal and soft function to resolve the cleaning blind spot	
9	Memory function and audio visual alarm	
10	Automatically ultrasonic frequency tracking and CE/BIS/GMP approved/certified	

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SEAL OF THE AUTHORIZED SIGNATORY

FINANCIAL BID

2. Name of Instrument: - Stability/Environmental Test Chamber

S. No	Specifications/Requirements	Total Amount (Including GST)
	Volume: 300 Liters or better	
	Number of trays: 03 or better	
	Internal Dimension (mm): 500 × 400 × 600 (W×D × H) ±5% or better	
	Temperature Range: 10 to 60°C ± 1°C	
	Humidity Range (RH): 40% to 95% ±3%	
	Temperature & Humidity: Microprocessor controlled with capacitance type sensor	
	Display: Digital Screen for ease of reading regarding temperature and humidity.	
	Power Failure Alarm: Audio Visual Alarm	
	Door Open Alarm: Audio visual alarm in case door opens	
	Alarm on Humidity and Temperature Variation: Audio, Visual Alarm on variation of	
	Set Humidity ± 3% , Set Temperature = ±1°C	
	Illumination: 8 watts fluorescent Tube	
	Internal Body Material: Stainless steel 316 Grade	
	External Body Material: Stainless-Steel i.e. SS Grade without paint.	
	Insulation: 70 mm minimum for body & 80 mm for door, CFC Free polyurethane foam	
	PUF)	
	Noise Level: Less Than 65 db(A)	
	Electrical: 220-240, 50 Hz, Single Phase	
	Voltage Stabilizer: Voltage stabilizer compatible with the equipment and will supply by the supplier	
	Software: As per 21 CFR Part-II; Software for Humidity & Temp. Data.	
	Computer: Latest AIO, i5 computer system with inbuilt window, printer and UPS (30 to 60 min. backup).	
	Vendor should be provided Specific Manufacturer Authorization letter	
	Vendor should have service facility at Trissur or nearest districts.	
	Warranty should be more than One year with periodic preventive inspection every 3 months during the warranty period.	

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FINANCIAL BID

3. Name of Instrument: - Bulk/Tap Density Apparatus

S. No	Specifications/Requirements	Total Amount (Including GST)
	Incorporated with Advanced Microcontroller.	
	Supports USP – I and USP – II.	
	Alphanumeric display and user friendly feather touch keypad.	
	Built-in validation facility.	
	Instrumentshouldbeautomaticallyandcalculatethetappeddensityandotherparameters.	
	Informative help prompt messages displayed, to guide user while conducting test.	
	Updated test status displayed.	
	Password protection facility to safe guard data.	
	Non-volatile memory for storage of 24 test method.	
	Updated test status displayed.	
	Calculates Bulk Density, Tapped Density, Compressibility Index and Hausner Ratio	
	Simultaneous action of rotating and tapping of the cylinders.	
	Print format as per GLP requirements.	
	Compliant with USP Specifications.	
	Test Method: USP – I and USP –II	
	Tapping Range: 1 – 9999Taps	
	Drive: Stepper Motor	
	USP-I: TapHeight:14mm±2mm.andTappingRate:300Taps/Minute. approx.	
	USP-II:TapHeight:3mm±0.3mmandTappingRate:250Taps/Minute. approx.	
	Cylinder Rotation: Simultaneous rotating and tapping of the cylinders.	
	Display: 20 x 4 Lines, Wide Angle, Alphanumeric Backlit LCD	
	Key Board: 4 x 4 Matrix Feather Touch Key Board	
	Parallel Port Printer Interface for Dot Matrix Printer	
	Compliant with USP Specifications:	
	Power Supply: 230 ± 10 V AC, 50/60 Hz, 2 Amps Max.	
	Vendor should have service facility at Trissur or nearest districts.	
	Vendor should be provided specific Manufacturer Authorization Certificate	
	Warranty should be more than One year with periodic preventive inspection every 3 months during the warranty period.	
	Standard accessories:- <ul style="list-style-type: none">• Validated Measuring Cylinder 250ml. 2No's• Validated Measuring Cylinder 100ml. 2No's• Holder for 250 ml Cylinder. 2No's• Holder for 100 ml Cylinder. 2No's	

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FINANCIAL BID

4. Name of Instrument: - Sieve Shaker

S. No	Specifications/Requirements	Total Amount (Including GST)
	3 directional shifting motion	
	Intermittent and Continuous tapping motion	
	Very low noise operation	
	Wet Sieve attachment(Optional)	
	Mesh is uniformly tensioned & welded	
	Display: 16 x 2 character alphanumeric LCD	
	Intermittent operation: At interval Up to 0.5 seconds Capacity: Up to 8 Sieves of 50 mm height	
	Shake time: Programmable from 1 min to 99 min Power (Vibration) level: Programmable from 5 to 20	
	Max. Batch / Feed Capacity: 3Kg	
	Noise Level: Less than 61 dB without sieves at maximum amplitude	
	Less than 71 dB without sieves and material at maximum amplitude	
	Dimensions [L X W X H]: 339 X 312 X 270mm	
	Weight of the instrument should be 50 kg or less	
	Power: 220 / 230 V AC, 50 Hz, 600VA	
	Should be supplied Main Unit + Lid + Receiver + 2 Nos. of sieves (Mesh Size from 5.6 mm to 40 µm with compliance certificate, S - 200 XX user selectable).	
	Warranty should be One year with periodic preventive inspection every 3 months during the warranty period.	
	Vendor should be provided specific Manufacturer Authorization Certificate	
	Vendor should have service facility at Trissur or nearest districts.	

SIGNATURE WITH DATE AND
SEAL OF THE AUTHORIZED SIGNATORY

FINANCIAL BID

5. Name of Instrument: - Centrifuge

S. No	Specifications/Requirements	Total Amount (Including GST)
	Precise RPM setting from 500 to 15000 RPM with least count of 00RPM	
	Lid lock safety - Lid releases (automatically) after run completion	
	Timer setting from 1 to 30 minutes & infinite mode	
	Smart airflow design ensures quiet operation and low temperature rise	
	Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function	
	Should have Brushless DC Motor	
	Auto cleavable rotors and with tube adaptors 2ml / 5ml/ 7ml / 9 ml tubes	
	Lid lock and Imbalance Detection with Auto cutoff	
	One Switch Changeover from RPM to RCF	
	Maximum Speed: 15000RPM	
	Dimension: 260 X 244 X 205 mm(W x D x H)	
	Weight should be less than 4kg	
	Noise level should be <60db or less	
	Should be supplied 6x 15 ml	
	Should be supplied adaptors for 5,7 ml & 1.5/2 ml tubes	
	Certification: CE	
	Vendor should be provided Specific Manufacturer Authorization Certificate	
	Warranty should be One year with periodic preventive inspection every 3 months during the warranty period.	
	Vendor should have service facility at Trissur or nearest districts.	

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FINANCIAL BID

6. Name of Instrument: - Melting point Apparatus

S.No.	Parameters	Specifications/Requirements	Total Amount (Including GST)
1	Temperature range (°C)	Ambient to 400 °C	
2	Resolution (°C)	1 to 2	
3	Number of Samples run/view at Simultaneously	02	
4	Accuracy (°C)	±1,0 (at room temperature), ±2,5 (at >250 °C)	
5	Ramp rate (°C/min)	10-20°C/min till plateau	
6	Cool down time 350 to 50 °C (min):	~30°C to 40°C	
7	Display	3-digit LED/LCD	
8	Power supply	230-250 V, 50 Hz, 75 W	
9	W×D×H (mm)	150-170×200-220×160-180	
10	Weight (kg)	1 to 2kg	
11	Samples viewed	Samples viewed via a magnifying lens and with clear observation	
12	Sample View angle	Operating with optimum view angle	
13	Plateau temperature	Easy to operate plateau temperature facility	
14	Warranty, AMC and Visiting	1 year warranty date of installation and antimicrobial protection with periodic preventive inspection every 3 months during the warranty period.	
15	Manufacture Authorization certificate	Vendor should be provide specific Manufacture Authorization Certificate	

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