

M.P. Council of Science & Technology

Vigyan Bhawan, Nehru Nagar, Bhopal – 462003 (M.P.) India
Tel.: +91 755 2433162, Fax: +91 755 2671600
www.mpcost.gov.in

Limited Tender

Tender No. 181/MPCST/QAL/NIT/2021

Date 29.06.2021

M.P. Council of Science and Technology, Bhopal invites Limited Tender under two bid systems (Technical and Financial Bids) from the reputed Manufacturers/Dealers/Agents/Suppliers for supply of following equipments:

S/N	Name of Equipment
1	Muffle Furnace
2	Polarimeter
3	Refractometer
4	Densitometer

The tender documents are attached herewith and may also be downloaded from Council's website www.mpcost.gov.in.

The Tender will be received through Speed Post/Registered Post/Courier/By Hand only.

The schedule of bid process is as follows:

1	Date of publication of tender	29.06.2021
2	Date of start of sale/download tender document	29.06.2021
3	Bid submission start date	29.06.2021
4	Bid submission closing date & time	13.07.2021 11.30 hrs.
5	Bid opening date and time	14.07.2021 11.30 hrs.
6	Financial Bid opening date & time	16.07.2021 14.30 hrs.

Incharge Purchase

Tear along the dotted lines and paste on the envelope.

**To,
The Incharge Purchase
M.P. Council of Science and Technology,
Vigyan Bhawan, Nehru Nagar,
BHOPAL – 462003**

Tender No. 181/MPCST/QAL/NIT/2021
Item: Muffle Furnace, Polarimeter,
Refractometer, Densitometer

TERMS & CONDITIONS

1.0 GENERAL

1.1 M.P. Council of Science and Technology, Bhopal invites Limited Tender for supply and installation of following equipments:

S/N	Name of Equipment	Quantity (in nos.)
1	Muffle Furnace	01
2	Polarimeter	01
3	Refractometer	01
4	Densitometer	01

- 1.2 The quantity of the materials to be purchased may vary according to the requirement if the need arises.
- 1.3 The cost of Tender Form is INR 500/- (INR Five Hundred only). The Bidder is required to furnish Demand Draft of a Commercial Bank in favour of Director General, M.P. Council of Science and Technology, Bhopal, payable at Bhopal along with Technical Bid. As per "Madhya Pradesh Store Purchase and Service Procurement Rules 2015", exemption in Tender Cost is applicable to only Micro and Small Enterprises of State of Madhya Pradesh only.
- 1.4 The Tender Document is not transferable to any other bidder.
- 1.5 The equipment must be complete in all respects including the essential accessories to fulfill the function meeting to meet the specification as given at Annexure – I, II, III and IV respectively.
- 1.6 The Bidder must submit Income Tax Return (ITR) of preceding 3 years.
- 1.7 The Bidder must submit self declaration of the date after issuing of the tender that Bidder has not been black listed/prohibited by any Govt. Organization.
- 1.8 The Bidder must submit GSTN Registration along with bid.
- 1.9 The Bidder should submit the copies of supply orders in support of experience of supply of items in Govt./Semi-Govt. Organizations.
- 1.10 The Bidder quoted Lowest Rates for the item/items will be considered as L1 Bidder for such item/items. Thus, itemwise L1 Bidder will be considered for supply of item.
- 1.11 In case similar L1 rates quoted by more than one Bidder, the experience of supply of items in Govt./Semi-Govt. Organizations will be considered for taking final decision
- 1.12 Proposal that is incomplete or not in prescribed format will be rejected.
- 1.13 The Bidder must submit the tenders in **TWO BID SYSTEM**.
- (a) The Limited Tender should be submitted by post/courier/by hand only.
- (b) **Technical Bid** – The proposal should be submitted in technical bid format and specifications given on Annexure – I, II, III and IV in the tender document.
- (c) **Financial Bid** – The proposal should be submitted in Financial Bid format given in tender document.
- (d) The original copies of the documents which are submitted along with bid, the same must be made available to the office of the M.P. Council of Science and Technology, Vigyan Bhawan, Nehru Nagar, Bhopal – 462003 (M.P.) India as and when required.
- 1.14 Only Technical Bid shall be opened on the date of tender opening.
- 1.15 The Financial bid will be opened only on the prescribed date for those who qualify the Technical bid.
- 1.16 Full name and status of the person signing the tender documents must be clearly mentioned in the Tenders.
- 1.17 Tenders received after the due date & time shall not be accepted.

2.0 EARNEST MONEY (EM) DEPOSIT:

- 2.1 The Bidder is required to submit Earnest Money (EM) of Rs. 5,000/- (Five Thousand only) in form of Demand Draft of a Commercial Bank in favour of 'Director General, M.P. Council of Science and Technology, Bhopal (India)' payable at Bhopal along with Technical Bid.
- 2.2 As per "Madhya Pradesh Store Purchase and Service Procurement Rules 2015", exemption in EMD is applicable to Micro and Small Enterprises of State of Madhya Pradesh only.
- 2.3 No interest in any case will be paid on EMD.
- 2.4 EMD shall be returned after successful installation of equipment.
- 2.5 The entire amount of Earnest Money/Security Deposit is liable to be forfeited and the order will be treated as cancelled in the following cases:-
 - (a) Supplier expresses inability to accept the order.
 - (b) Full ordered items not supplied.
 - (c) If the acceptance of the order is conditional as detailed in the execution of the order.

3.0 PRICE:

- 3.1 In Financial Bid, the Bidder needs to quote price inclusive of all taxes.
- 3.2 The price should be quoted for CIF, Bhopal including forwarding, freight, packing, insurance, training, warranty, installation and commissioning.
- 3.3 The M.P. Council of Science & Technology is having Central Excise & Custom Duty Exemption Certificate. Same will be provided as per requirement for exemption in duty and the Custom Duty will be reimbursed/paid accordingly.

4.0 DELIVERY

- 4.1 The entire material will be delivered by the supplier at M.P. Council of Science and Technology, Vigyan Bhawan, Nehru Nagar, **Bhopal** – 462003 (M.P.) India
- 4.2 In case of any default in the execution of the order the Council will be at liberty to forfeit the entire earnest money/security deposit of the supplier, if they fail to adhere strictly to all the terms and conditions of tender supply order and agreement bond and subsequent instructions for supply of the item.
- 4.3 If item supplied are not according to the order specification and are not of proper quality the same will not be accepted. Similarly, second hand, reconditioned, damaged repaired and substandard item and having poor quality or not being to the entire satisfaction of the Council will not be accepted. The item supplied as above but rejected will be returned to the supplier at his cost and risk and entire amount of earnest money/ security deposit is liable to be forfeited. If defect of any kind or deviation from specification reported, the supplier should replace or rectify defects by own expenses within 30 days from the date of report.

5.0 INSTALLATION

- 5.1 In case the supplier fails to install the equipment within 60 days successfully and to conduct the demonstration as per supply of the purchase order, the supplier will have to pay a penalty @ 0.25% of the order value per 15 days for the period of delay.
- 5.2 The supplier has to specify pre-installation requirements (space requirement, drawing and design, power supply/gas controls and other special requirements) along with the Technical Bid. Our institute will only provide the installation rooms, required electrical outlet and water connections. The supplier is expected to supply all other installation accessories and smooth operation of the equipments.
- 5.3 Detailed training about the operation and maintenance of the instrument should be given at no extra cost at premises of M.P. Council of Science and Technology, Vigyan Bhawan, Nehru Nagar, Bhopal – 462003 (M.P.) India.

6.0 PAYMENT TERMS

6.1 Payment will be after supply and satisfactory installation of equipments at respective place in MPCST, Bhopal.

7.0 WARRANTY

7.1 The equipment should be warranted standard (comprehensive warranty) for a period of minimum one year from the date of installation.

7.2 The Supplier must assure the availability of spare parts for the equipment for at least ten years from the date of delivery of the equipment.

8.0 OPERATIONAL MANUAL

7.1 The Supplier is required to supply the operational manual of the item, diagram etc. along with the consignment, if any.

9.0 BANKER

8.1 M.P. Council of Science and Technology, Bhopal bears account with nationalized bank of India.

10.0 ARBITRATION

9.1 Any dispute arising out of this agreement in respect of quantity/quality/specification/installation or payment shall be referred to the sole arbitration of the Director General, M.P. Council of Science and Technology, Bhopal (India).

9.2 All legal disputes will be settled under jurisdiction of Bhopal District (India).

9.3 The Director General reserves all rights to accept or reject any tender or the entire process.

Date:

Place:

**Signature & Seal
of the Bidder along with date**

List of Documents to be enclosed along with Technical Bid

S/N	Document	Yes/No
1	Demand Draft for Cost of Tender Document (INR 500/-) (For Exemption in Tender Cost; enclose MSME Certificate as per clause No. 1.3)	
2	Earnest Money Deposit (EMD) Demand Draft (INR 5,000/-) (For Exemption in EMD; enclose MSME Certificate as per clause No. 2.2)	
3	Income Tax Return (ITR) of preceding 3 years:	
	(i)	
	(ii)	
	(iii)	
4	GSTN Registration	
5	Self declaration that Bidder has not been black listed/prohibited by any Govt. organization.	
6	Copies of supply orders in support of experience of supply of items in Govt./Semi-Govt. Organizations.	

Date:

Place:

**Signature & Seal
of the Bidder along with date**

TENDER FORM - Technical

To

Tender No. 181/MPCST/QAL/NIT/2021
Item: Muffle Furnace, Polarimeter,
 Refractometer, Densitometer.

The Director General,
 M.P. Council of Science and Technology
 Vigyan Bhawan, Nehru Nagar,
 Bhopal – 462003 (INDIA).

I/We wish to submit the tender for the item advertised by you.

1. Name of the Item:

S.N.	Item Name	Specification given at	Yes/No
01	Muffle Furnace	Annexure - I	
02	Polarimeter	Annexure – II	
03	Refractometer	Annexure – III	
04	Densitometer	Annexure – IV	

2. Name of the Firm : _____

3. Telephone No. : _____

4. Full Address : _____

5. Registration No. of Firm and Place : _____

6. Details of GSTN : _____

7. Details of PAN : _____

8. Details of Earnest Money Deposited :
 Amount in Rupees (in digit) _____
 (in figure) _____
 Issuing Bank _____

Draft No. _____ Date of Issue _____

9. Technical Bid to be submitted as per **Annexure-I, II, III and IV format respectively.**

10. Total Documents uploaded Pages

I/We have read all the terms & conditions of the tender and shall abide by them. The materials shall be supplied strictly as per specification at Annexure – I and in the given time period.

Date:

Place:

**Signature & Seal
of the Bidder along with date**

Annexure – I

Tender No. 181/MPCST/QAL/NIT/2021
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Item: Muffle Furnace Rectangular

Make and Model.....

SL. NO.	Technical Specifications & Description		Indicate Meeting specification Yes or NO
1	Working Temperature	Max. Temp. 950°C	
2	Construction	Light weight with ceramic fibre wool insulation. The outer casting is made of Double walled thick M.S. sheet with Electrostatically Powder Coated Paint.	
3	Heating Elements	Heating Elements are made of Kanthal 'A-1' Wire in coil form wounded on the muffle embedded in high grade refractory cement. Temp.controlled by Microprocessor Based PID Controller. The control panel is fitted on the top of the furnace with two pilot lamps to operate on 220 volt. A.C.	
4	Muffle Chamber Size	125x 125 x 250 MM (5"x 5"x 10")- 2.0 K.W.	
5	Crucible	Crucible electrically furnace with energy regulator round shape surface temp. 600°C (2 Nos.)	

Date:

Place:

**Signature & Seal
of the Bidder along with date**

Annexure – II

Tender No. 181/MPCST/QAL/NIT/2021
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Item: Research Polarimeter

Make and Model.....

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SL. NO.	Technical Specifications & Description		Indicate Meeting specification Yes or NO
1	Shade System	Laurent half shade device workable on sodium light source.	
2	Measuring Scale	0 to 360 deg circular scale divided in single degrees every 10 th line numbered and every 5 th line extended with 0.05 deg vernier reading.	
3	Sugar Scale	0 deg to 30 deg and +0 deg to 130 deg divided in single degrees every 10 th line numbered and every 5 th line extended.	
4	Body	Aluminium casted.	
5	Light Source	589 nm sodium lamp with suitable transformer, Input 220-230 AC, 50 Hz.	
6	Sample Tubes	Two set of 100 mm and 200 mm made from Borosil thick wall glass with brass holders.	

Note: The polarimeter should be useful for Pharmaceutical, Chemical, Medical Materials used in research.

Date:

Place:

**Signature & Seal
of the Bidder along with date**

Annexure – III

Tender No. 181/MPCST/QAL/NIT/2021

Item: Digital Refractometer

Make and Model.....

SL. NO.	Technical Specifications & Description		Indicate Meeting specification Yes or NO
1	Range	<ul style="list-style-type: none"> • nD: 1.3300 to 1.5080 (Non- Temp. Compensated) • nD20: 1.3330 to 1.5040 (Temp. Compensated) • % Brix:0.0 to 85.0 • Temperature: 0.0 to 80.0 °C; 32.0 to 176.0 °F 	
2	Resolution	<ul style="list-style-type: none"> • nD: 0.0001 • nD20: 0.0001 % • Brix:0.1 • Temperature:0.1 °C; 0.1 °C 	
3	Accuracy	<ul style="list-style-type: none"> • nD: ±0.0005 • nD20: ±0.0005 • % Brix: ±0.2 • Temperature: ±0.3 °C; ±0.5 °F 	
4	Temperature Compensation	Automatic between 10.0 and 40.0 °C (50.0 - 104.0 °F)	
5	Measurement Time	Approximately 1.5 seconds	
6	Minimum Sample Volume	100 µL (cover prism totally)	
7	Light Source	LED	
8	Sample Cell	Stainless Steel ring and flint glass prism	
9	Case Material	ABS	
10	Battery Type / Life	9V / 5000 readings	
11	Auto-Off	After 3 minutes of non-use	
12	Dimensions	192 x 102 x 69mm (7.6 x 4.1 x 2.7")	
13	Mass	350 g (12.3 oz.)	

Date:

Place:

**Signature & Seal
of the Bidder along with date**

Tender No. 181/MPCST/QAL/NIT/2021

Item: Densitometer

Make and Model.....

SL. NO.	Technical Specifications & Description		Indicate Meeting specification Yes or NO
1	Type	Electronic	
2	No. of pan	Single	
3	Capacity	up to 220 g	
4	Readability	0.0001g	
5	Repeatability	+/- 0.0002g	
6	Pan size	approximately 80 mm diameters or more	
7	Display	High Contrast BacklitLCD with Eye protected	
8	Interface	PC & Printer Connectivity via USB/Wi-Fi/BT	
9	Tare Range	Full	
10	Shield	Glass with 3 Side Opening Door	
11	Working Temperature Range	5°C to 40°C	
12	Density Kit (Attachment)	For Solid and Liquid, both with Readability of 0.0001g <ul style="list-style-type: none"> • Auto Density Result • Auto zero • Auto calibration facility • Auto self-Checking • Anti-shaking • Overload protection • GSM weighing facility • High grade chemical resistance body • Easy to operate 	
13	Power Requirement	Single phase 220 V \pm 25%, 50/60 Hz AC Power	
14	Accredited	<ul style="list-style-type: none"> • ISO/CE/NABL 	
15	Accessories	<ul style="list-style-type: none"> • AC Adapter • SS Pan • Dust Cover • Set of certified calibration weights (0 to 200 gm. Full range) • Operation manual • Below Working Hook • Necessary tools 	

Date:

Place:

**Signature & Seal
of the Bidder along with date**

TENDER FORM – Financial

Tender No. 181/MPCST/QAL/NIT/2021

To

The Director General,
MP Council of Science & Technology
Vigyan Bhawan, Nehru Nagar,
Bhopal-462 003.

I wish to submit the tender for the item advertised by you.

Name of the Firm			
Item No.	Item Name	Price Per Unit Rs. (In Figure) (Inclusive all taxes)	Price Per Unit Rs. (In Words) (Inclusive all taxes)
01	Muffle Furnace		
02	Polarimeter		
03	Refractometer		
04	Densitometer		

I/We have read all the terms & conditions of the tender and shall abide by them. The materials shall be supplied strictly as per order and in the given time period.

Date:

Place:

**Signature & Seal
of the Bidder along with date**