Ph no. 0821-2401158; Email: gopalakrishnan.m@bnpmindia.com

LIMITED TENDER ENQUIRY - BNPM/LTE/CALIBRATION OF INSTRUMENTS/1011/2019-20

Issue Date & Time: 06.01.2020 11:00 hrs. Closing Date & Time: 13.01.2020 15:00 hrs.

Extended (1) Closing Date & Time: 20.01.2020 15:00 hrs. Extended (2) Closing Date & Time: 27.01.2020 15:00 hrs.

A. Scope of work: Calibration of following items:

S No	Item Details	Make	Standard	UoM	Quantity
1	Three Phase Variable AC Power Supply	Voltamp	NABL	Nos	1
2	Single Phase Variable AC Power Supply	Automatic Electric	NABL	Nos	1
3	Soldering & De-soldering Station	Solomon	NABL	Nos	2
4	Variable DC Power Supply	Aplab	NABL	Nos	1
5	Dual Channel Variable DC Power Supply	Aplab	NABL	Nos	1
6	Air Set Panel, 0 to 2.5 bar & 0 to 10 bar	Nagman	NABL	Nos	2
7	Temperature Calibrator, Range: 50°C to 350°C	Nagman	NABL	Nos	1
8	Multifunction Process Calibrator	AOIP	NABL	Nos	1

Note:

- a. The calibration is to be carried out **on field (i.e. at BNPM, Mysuru).** Instruments that cannot be calibrated on field may be taken for calibration at their laboratory at bidder's cost. BNPM shall reserve the right to deploy its representative for witnessing the calibration in laboratory at BNPM's cost.
- b. The calibration should be traceable to NABL standards and participating bidder's lab should have accreditation of NABL for the calibrating instruments.
- c. Details of NABL accreditation should be submitted along with the price bid.
- d. Refer "Instrument specifications" for range/specifications/model/serial number of instruments which needs to be calibrated.

B. Terms & Conditions:

1. Documents to be submitted:

- a) Signed copy of this document (All the pages).
- **b)** Filled price details as per the format provided below in this document.
- **c)** Technical details /datasheet for the enquired product (if applicable).
- **d)** Micro / Small Enterprise (Certificate issued by MSME)/UAM/NSIC certificate (If applicable).
- **2. Price:** Price should be inclusive of manpower cost, tools cost, manpower & tools transportation cost, lodging & boarding charges, P&F, To & Fro Freight, Transit Insurance and GST. Price shall remain fixed & no price variation shall be accepted till completion of contract.

- **3. Terms of Payment:** 100% payment shall be made within 30 days after calibration & receipt of calibration reports at BNPM Plant, Mysuru and on production of all required documents by the supplier. NEFT/RTGS details shall be furnished along with the Original Invoice.
- **4. Delivery Terms & Delivery Address:** Work shall be carried out on F.O.R Basis, Bank Note Paper Mill India Pvt. Ltd., Mysore.

<u>Delivery of reports</u>: Engineering Stores, Bank Note Paper Mill India Pvt Ltd., Note Mudran Nagar, Mysore - 570003. Stores contact details: 0821-2401476/486/412/461.

- **5. Method of evaluation:** Evaluation shall be carried out on **overall effective price** quoted by the bidders, unless any other method of evaluation is specifically provided in the enquiry. The quoted price for each item should be inclusive of P&F, To & Fro Freight, Transit Insurance and any other charges required for delivery of that item to BNPM, Mysuru.
- **6. Taxes:** All Taxes shall be as applicable in GST regime. Payment of CGST, SGST, IGST & UTGST: The suppliers are required to adhere the following procedure in order to honour the payment against CGST, SGST, IGST & UTGST in the invoice.
 - i) An invoice issued by the vendor for goods or services or both as applicable should be in accordance with the provisions of Sec 31 of the CGST Act & should contain all the prescribed information's in accordance with Chapter VI of CGST rules 2017.
 - ii) A debit note issued if any, by the vendor should be in accordance with the provisions of Sec 34 of the CGST Act.
 - iii) The vendor should mandatorily upload the aforementioned documents in respective GSTR, details of outward supplies of goods or services as applicable within the prescribed time under GST Act.
 - iv) The vendor should provide the relevant documents to confirm the tax charged on the invoice has been paid to the credit of government after adjusting the ITC if any.

Notwithstanding the above, the supplier should provide indemnification as follows:

In the event of non-compliances with respect to GST Act & Rules by the successful bidder, the purchaser is allowed to adjust the GST amount from retention amount (either in BG or in cash) held by the company. If no amount is available for recovery, the successful bidder will refund the GST liability within 10 days from the date of GST reversal in GSTRN.

The above requirements are mandatory to claim any GST liability, falling which, the GST liability will not be paid /reimbursed/accepted.

A. The bidder should consider the following points while quoting GST Rate in their bids:

- 1. In case of unregistered bidders, the rate and amount of GST shall be shown as "Nil".
- 2. In case of a compounding dealer, GST shall be quoted as "Nil" as compounded dealers cannot collect GST from the consumers. The price quoted therefore shall be construed as all inclusive.
- 3. In case of work contracts or pure labour contracts, the bidder shall quote single GST rate for the work.

- 4. In case of composite supplies, i.e., a supply consisting of one principal supply and other ancillary supplies, the supply will attract the GST Rate of the principal supply. For example, if Item A in the supply order is the major or principal supply and other items are ancillary supplies, the bidder shall quote the GST Rate applicable to the principal goods (i.e., Item A) being supplied.
- 5. In case of mixed supply, i.e., a combination of two or more individual goods made together for a single price (each of these items can be supplied separately and is not dependent on any other), the total supply will attract the GST rate of the item which has the highest rate of tax. For example, if Item A in the mixed supply attracts highest rate of tax, the bidder shall quote the GST rate applicable to item A for total mixed supply.
- 6. In case of supplies which are neither composite nor mixed supplies, the bidder shall quote the GST Rate applicable to each item of supply separately.
- 7. If there is any difference of opinion regarding classification in HSN code, the bidder should sought clarification/raise query within the given time from the date of tender and it would be clarified before submitting the bid. Once clarified then that will be final & binding and no deviation shall be granted.

C. Other instructions for the bidders to claim any GST liability, failing which, the GST liability will not be paid/reimbursed/accepted:

- 1. Registered/compounding Contractor/supplier should produce GST Invoice containing all the particulars stated in Rule 46 of the CGST Rules, 2017 in accordance with the provisions of Section 31 of the CGST ACT.
- 2. The supplier should mandatorily update the invoice details in GSTR-1, details of outward supplies of goods or services within the prescribed time under GST Act
- 3. The Payment shall be made net of TDS as per the provisions of CGST/SGST/IGST Act.
- 4. Wherever there is difference in the amount admitted, the supplier may be directed to issue a Credit Note (in case of reduction in the Invoice value)/Debit Note (in case of increase in the Invoice value), and payment shall be released only after the receipt of such Debit or Credit Note
- 5. Supplier should provide the relevant documents to confirm the tax charged on the invoice has been paid to the credit of Government after adjusting with ITC, if any.
- 6. Supplier should provide indemnification as follows: "In the event of non-compliances with respect to GST ACT and Rules by the supplier, the supplier should refund the GST liability within 10 days from the date of GST reversal in GSTRN failing which the purchaser shall recover the GST amount from the retention amount (whether in BG or in Cash) held by the company".
- **7. Calibration Certificate:** The service provider shall provide calibration certificate for all calibrated instruments valid for **12 months** from the date of calibration of instruments at BNPM, Mysuru.
- **8. Liquidated Damages (LD):** Liquidated damages shall be applicable at the rate of 0.5% per week or part thereof until actual completion of calibration & submission of reports at BNPM, Mysuru, subject to a maximum deduction of 10% of the delayed good's /service's contract price.

9. Delay in supplier's performance: Time for and the date specified in the contract or as extended for the delivery of the stores shall be deemed to be the essence of the contract and the supplier shall deliver the goods and perform the services under the contract within the time schedule specified by BNPM in the contract.

Any delay attributable to the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all the following sanctions besides any administrative action such as (a) Imposition of liquidity damages; (b) Termination of contract for default.

10. Extension of Time: If the contract is delayed in the progress of work by changes ordered in the work, or any clause which BNPM shall decide to justify the delay, then the time of completion shall be extended by a reasonable time.

If at any time during the currency of contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform BNPM in writing about the same and its likely duration and make a request to BNPM for extension of the delivery schedule accordingly. On receiving the supplier's communication, BNPM shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

11.Risk Purchase Clause: If the supplier fails to abide by the terms and conditions of the contract/agreement, or fails to deliver the material as per the delivery schedule or any time repudiates the contract,

Procure the tendered item / render service from other agencies at the risk and cost of the supplier. The cost difference between the alternative arrangement and existing contract value wherein default has been made will be recovered from the supplier along with the other incidental charges.

In case of procurement through alternative sources, if procurement price is lower than the existing contract value wherein default has been made, in such case no benefit on this account will be passed on to the supplier.

- **12.Settlement of Disputes through Arbitration:** All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after their completion except accepted matters shall be settled through arbitration process as per the Arbitration & Conciliation Act, 1996. The venue of arbitration shall be Mysore, Karnataka.
- **13.Legal Jurisdiction:** The Courts of Mysore (Karnataka State) shall alone have jurisdiction to decide on any legal matter of dispute whatsoever arising out or in respect of the contract.
- **14.Force Majeure:** In the event of any unforeseen event directly interfering with the supply of stores arising during the currency of the contract, such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Contractor shall, within

a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Unless otherwise directed by BNPM in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. If the force majeure condition(s) mentioned above be in force for a period of 90 days or more at any time, either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days' notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract prior to such termination.

- **15.Fore-Closure Clause**: If at any time during the continuation of this contract, the use of material ordered in this contract is completely banned or due to drastic change in Government policy its use as, raw material is discontinued or is declared hazardous to public health or cause rising to civil commotion, epidemics, wide-spread strikes and 21 days' notice of such eventualities is given by purchaser to the seller, the seller without any right to enforce the contract, will agree to the fore-close the performance of balance portion of this contract and in that event no claim for damages or loss will be lodged against the purchaser.
- **16.Rights of Rejection:** BNPMIPL reserves the right to reject any or all the applied bids without assigning any reason whatsoever. The enquiry can be rejected on national security grounds.

Instrument Specifications:

Three Phase Variable AC Power Supply - Auto Transformer (Variac)

Make: Voltamp/ Equivalent

Model: 15PM-3(SPL)

Input: 415V AC, 3Phase, 50Hz Output: 0-500V AC, 3Phase, 50Hz

Max. Output Current: 15A

Cooling: Air cooled

Meter: Digital Voltmeter & Ammeter with selector switches to read output volt and current.

Indication: Mains on Lamp RYP Protection: 3 pole MCB on Input Output: Thru 3 phase socket

Operation: Manual by knob provided on unit / Motorized

<u>Single Phase Variable AC Power Supply - Auto Transformer (Variac)</u>

Make: Automatic Electric ltd.,

Model: 4D-IPM8

Input Volts: 230 V AC, 50Hz, 1 Phase

Output Volts: 0 to 260 V AC

Current rating: 4 A

Digital Meter (V & I): will be provided

Power Socket: 230VAC socket (Std. Indian Make) - 1 No. with On-Off lamp Indication switch

Soldering and De-soldering Station - 2nos

Make: Solomon Model: SL 916

Voltage: - Power Consumption

(Soldering & De-soldering): 220/240 V AC

Temperature setting range: Soldering: 150 - 420 C

De-soldering: 210 - 480 \(\text{\tin}\ext{\ti}}}}}}}}}}}}}} \eximiniminftileget}}} \eximiniminftil{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}}}}}}}}}} \eximiniminftileget}}} \eximiniminftil{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texiti}}}}}}}} \eximiniftileget}}} \eximiniminftil{\text{\text{\text{\text{\text{\te

(Soldering & de-soldering): 24 V AC Station: L218: W: 176:H145 (mm)

Weight: 5300 g

Station-Hand piece Cord length: 115 cm AC Power Cord: 3 pin plug 180 cm Vacuum pump: -500 mmHg 24 V AC

Variable DC Power Supply

Make: Aplab Model: L3202

Output Voltage: 0 – 32 V DC Output Current: 0 – 2 A Metering: 3 Digit DPM. Meter Accuracy: ±3 counts. Constant Voltage Mode:

Regulation: Line: $\pm 0.01\% \pm 2mV$ for $\pm 10\%$ change in line output. Load: $\pm 0.01\% \pm 2mV$ for load change from zero to full load.

Ripple & Noise: 1mV rms max.20Hz - 20MHz.

Constant Current Mode:

Regulation: Line: $\pm 0.1\% \pm 250\mu A$ for $\pm 10\%$ line change.

Load: ±0.1% ±250μA for change in output voltage from 0 Volts to maximum output voltage.

Ripple & Noise: 0.04% rms.

Mode Indication: LED indication for constant voltage / current operating mode.

Line Voltage: 230V AC ±10% 50Hz, single phase

Dual channel Variable DC Power Supply

Make: Aplab. Model: L3205.

Output Voltage: 0 – 32 V DC. Output Current: 0 – 5 A. Metering: 3 Digit DPM. Meter Accuracy: ±3 counts. Constant Voltage Mode:

Regulation: Line: $\pm 0.01\% \pm 2 \text{mV}$ for $\pm 10\%$ change in line output. Load: $\pm 0.01\% \pm 2 \text{mV}$ for load change from zero to full load.

Ripple & Noise: 1mV rms max.20Hz - 20MHz.

Constant Current Mode:

Regulation: Line: ±0.1% ±250µA for ±10% line change.

Load: ±0.1% ±250µA for change in output voltage from 0 Volts to maximum output voltage.

Ripple & Noise: 0.04% rms.

Mode Indication: LED indication for constant voltage / current operating Mode.

Line Voltage: 230V AC ±10% 50Hz, single phase

Air Set Panel

Make: Nagman

Pressure Gauges Range:

1) 0 to 2.5 Bar 2) 0 to 6 Bar

Accuracy: +/-1.6% FS

Microprocessor Based Universal Temperature Calibrator

Make: Nagman Model: MTC 350 Range: 50°c to 350°c Resolution: 0.1°c Accuracy: +/-0.4°c Stability: +/-0.05°c

Stabilisation Time: 15 to 20 Minutes Temperature Readout: °C / °F Switchable

Well Diameter: 25 mm Immersion Depth: 110 mm

Interchangeable Thermowells: Single hole to suit 1/4" & 1/2" Probes.

Measurement Capability: Thermocouples: ISA Types J, K, R, S, N RTD: Pt100 IEC Std.

mA: 0 to 25 mA mV: 0 to 100 / 1000 mV Volt: 0

Resistance: 0 to 500 Ohms / 3.5 kOhms

Multifunction Process Calibrator

Make: AOIP Model: CALSYS

Measuring Function:

edance : about 100MΩ edance : 1MΩ edance : 10MΩ h voltage about not including the acy of down-lead		
edance : 1MΩ edance : 10MΩ h voltage about not including the		
edance : 10MΩ h voltage about not including the		
edance : 10MΩ h voltage about not including the		
h voltage about not including the		
not including the		
cv of down-lead		
accuracy of down-lead resistance		
impedance : 100 kΩ or more Square wave atleast 1Vp-p 50% duty cycle		
dopt ITS-90		
ostatic scale not		
ing the accuracy ner temperature		
pensatory error		
]		
D+100 20E		
Pt100-385 mometric scale		
mometric scale including the		
mometric scale		

Output Function:

Measuring Function	Range	Measuring Range	Resolvin g Power	Accuracy	Remark	
	100mV	-10 to 110 mV	1 μV	0.02%+10	Max output current 5 mA Output	
DC Voltage	1V	-0.1 to 1.10 V	10 μV	0.02%+10	resistance <0.1Ω	
	10V	-1 to 11 V	0.1mV	0.02%10]	
DC Current 20mA 0 to 22 mA 1uA 0.02%+10		Inside power supply24 V, 1 KΩ resistance at 20 mA				
Analog Transducer	-20mA	-0 to 22 mA	1uA	0.02%+10	Outside power supply 5 to 28 V, 1KΩ resistance at 20 mA	
	400Ω	0 to 400 Ω	0.01 Ω	0.02% + 0.1 Ω	±0.1 to 3 mA exciting current	
Resistance	4ΚΩ	0 to 4 KΩ	0.1 Ω	0.05% + 1 Ω	±0.05 to 0.3 mA exciting current	
	40ΚΩ	0 to 40 KΩ	1 Ω	0.1% + 10 Ω	±0.01 to 0.03 mA exciting current	
	R	0 to 1767		0 to 100°C : 1.5°C 100 to1767°C : 1.2°C		
	S	0 to 1767	1°C	0 to 100°C : 1.5°C 100 to1767°C : 1.2°C		
	К	-200 to 1372		-200 to -100°C : 0.6°C -100 to 400°C : 0.5°C	- - -	
			0.1°C	400 to 1200°C: 0.7°C 1200 to 1372°C: 0.9°C	-	
	E	-200 to 1000		-200 to -100°C : 0.6°C -100 to 600°C : 0.5°C		
	J	-200 to 1200		600 to 1000°C : 0.4°C	 - -	
	Т	-250 to 400	-	-100 to 800°C : 0.5°C 800 to 1200°C : 0.7°C -250 to 400°C : 0.6°C	- -	
	N	-200 to 1300	-	-200 to -100°C : 1°C	-	
Thermocouple				-100 to 900°C : 0.7°C 900 to 1300°C : 0.8°C	1	
	В	400 to 1820	1°C	400 to 600°C : 2°C	ITS-90	
				600 to 800°C : 1.5°C 800 to 1820°C : 1.1°C	- 113-80	

RTD	PT100	-200 to 850		-200 to 0°C:0.3°C	Pt100-385 thermometric scale
				0 to 400°C :0.5°C	anomicano como
				400 to 850°C : 0.8°C	Pt100, Cu50 ±0.1 mA excitation
	PT1000	-200 to 630		-200 to 100°C : 0.22°C	Current. Accuracy
				100 to 300°C : 0.3°C	does not contain lead
				300 to 630°C : 0.4°C	resistance
	Cu50	-50 to 150	0.1°C	-50 to 150°C : 0.6°C	
Frequency	100Hz	1 to 110 Hz	0.1Hz	±2	1 to 11Vp-p square wave Accuracy
	1KHz	0.1 to 11.KHz	1Hz		±10% 50% duty cycle
	10KHz	1 to 11 KHz	0.1KHz		load >100 KΩ
	100KHz	1 to 110 KHz	1KHz		
PULSE	100Hz			±2	1 to 11 Vp-p square
	1KHz	10 to 100000	1 cycle		wave Accuracy ±10% 50% duty cycle
	10KHz	Cycles	1 Cycle		load > 100 KΩ
	100KHz				
SWITCH	100Hz		0.1 Hz	±2	Max switch current
	1KHz]	1 Hz		voltage / current :
	10KHz	1	0.1 KHz		+28 V / 50 mA
	100KHz	1	1 KHz		
LOOP	24V				Max output current
					about 25 mA short
					circuit protection

17. Price Bid Format:

S C H N O	Material Description	U O M	Qty	Unit Price (INR)	To & Fro Freight, P&F, Transit Insurance Charges (INR)	GST@ % Amount (INR)	Unit price including To & Fro Freight, P&F, Transit Insurance Charges & GST (INR)	Total price inclusive of To & Fro Freight, P&F, Transit Insurance Charges & GST (F.O.R, BNPM, Mysuru) (INR)	Input GST Credit (INR) {GST amount * Total quantity}	Effective price inclusive of To & Fro Freight, P&F, Transit Insurance Charges (F.O.R, BNPM, Mysuru) (INR)
Α	В	С	D	Е	F	G	H=E+F+G	I=H*D	J=G*D	K=I-J
1	Three Phase Variable AC Power Supply	Nos	1							
2	Single Phase Variable AC Power Supply	Nos	1							
3	Soldering & De-soldering Station	Nos	2							
4	Variable DC Power Supply	Nos	1							
5	Dual Channel Variable DC Power Supply	Nos	1							
6	Air Set Panel, 0 to 2.5 bar & 0 to 10 bar	Nos	2							
7	Pressure Calibrator, Range: - 0.85 to 2 bar	Nos	1							
8	Temperature Calibrator, Range: 50°C to 350°C	Nos	1							
9	Multifunction Process Calibrator	Nos	1							

We hereby confirm that

1.	We accept all the terms & conditions mentioned in the enquiry.
2.	Price quoted is inclusive of P&F, Transit Insurance, To $\&$ Fro Freight and GST on F.O.R
	Basis, BNPM Plant, Mysore.
3.	SAC Code:
4.	GST registration status: Unregistered / Compounding / Registered.
5.	Delivery period: (Days / Weeks) from date of purchase order.
	(The delivery period should include time of $$ collection of instruments from BNPM up to
	delivery of material to BNPM after due calibration).
6.	Calibration Certificate: Yes, 12 Months from date of delivery of material at BNPM after
	due calibration.
7.	Bid validity: 30 days from date of closing of tender including extensions/corrigendum's
	(if any).
8.	Bank Details: Acc. No; Bank Name:;
	Branch name:; Branch Code:;
	IFSC:;
9.	MSME / NSIC status: (If yes, then supporting document to be
	submitted along with the offer)
	(Please fill above: MSI – For Micro Enterprises; SSI – For Small Enterprises; MED.SI – For
	Medium Enterprises; NSIC – For National Small Industries Corporation regd. firm)
Signat	ure of bidder:
Name	of the Firm:
Seal of	the firm:
GST N	0.: