



Ph no. 0821-2401 175; Email: [vaishnavi.shankar@bnpmindia.com](mailto:vaishnavi.shankar@bnpmindia.com)

**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

**Issue Date: 10.05.2022 @ 10.00 Hrs.**  
**Closing Date: 24.05.2022 @ 10.00 Hrs.**

**A. Scope of work:**

Supply of below mentioned materials:

Sl. no.	Description	Qty. (Nos.)
1.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 375mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"><li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li><li>• Stem Dia : 06 mm</li><li>• IP protection :IP-67</li><li>• Voltage rating : 24V DC, 4 -20 mA</li><li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li><li>• Insulation: MgO powder packed</li><li>• Head: Screwed cover with SS chain</li><li>• Head material: Die cast aluminium</li><li>• Thermo well type: SS316, drilled bar stock (tapered) flanged thermowell</li><li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li><li>• Thermowell material: SS316</li><li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li><li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li><li>• Application media: For use in Boiler for Steam/Liquid</li><li>• Vendor shall provide Test certificate, manual and 1year warranty.</li></ul>	1
2.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 375mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"><li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li><li>• Stem Dia : 06 mm</li><li>• IP protection :IP-67</li><li>• Voltage rating : 24V DC, 4 -20 mA</li></ul>	2



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	
3.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-100°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	1
4.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> </ul>	1



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	
5.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	2
6.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-350°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> </ul>	2



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	
7.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 410mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	1
8.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 425mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> </ul>	1



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	
9.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 475mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell (for steam/liquid)</li> <li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Air/Flue gas</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	1



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

10.	<p>RTD sensor, Type: Thermocouple, K type , Duplex, Stem length: 495mm, Temp range: 0-600°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell (for steam/liquid)</li> <li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Air/Flue gas</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>	2
11.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 595mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 -20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell (for steam/liquid)</li> <li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> </ul>	1



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"><li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li><li>• Application media: For use in Boiler for Air/Flue gas</li><li>• Vendor shall provide Test certificate, manual and 1year warranty.</li></ul>	
12.	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 595mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"><li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li><li>• Stem Dia : 06 mm</li><li>• IP protection :IP-67</li><li>• Voltage rating : 24V DC, 4 -20 mA</li><li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li><li>• Insulation: MgO powder packed</li><li>• Head: Screwed cover with SS chain</li><li>• Head material: Die cast alluminium</li><li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell (for steam/liquid)</li><li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li><li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li><li>• Thermowell material: SS316</li><li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li><li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li><li>• Application media: For use in Boiler for Air/Flue gas</li><li>• Vendor shall provide Test certificate, manual and 1year warranty.</li></ul>	2

**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 at point 17.
- 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 shall be inclusive of P&F, Insurance, Freight and GST. Price shall remain fixed & no price variation shall be accepted till pendency of contract.

3. **Terms of Payment:** 100% within 30 days from the date of receipt and acceptance of goods at BNPM Plant, Mysuru and on production of all required



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

documents by the supplier. Warranty certificate (if applicable) and NEFT/RTGS details shall be furnished along with the Original Invoice.

4. **Delivery Terms & Delivery Address:** Delivery shall be made on F.O.R Basis, Bank Note Paper Mill India Pvt. Ltd., Mysore.

Delivery Address: Engineering Stores, Bank Note Paper Mill India Pvt. Ltd., Note Mudran Nagar, Mysore - 570003. Stores contact details: 0821-2401476/486.

5. **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.





**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

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.

**B. 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



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

amount from the retention amount (whether in BG or in Cash) held by the company”.

6. **Warranty:** The product supplied shall be under warranty for 5 Years from the date of receipt of material at BNPM Plant, Mysore. Warranty certificate to be enclosed wherever applicable.

If the applicable warranty period is less than 5 Years then the same has to be mentioned at the appropriate place provided at page no. 9 of this enquiry document.

7. **Liquidated Damages (LD):** Liquidated damages shall be applicable at the rate of 0.5% per week or part thereof until actual delivery or performance, subject to a maximum deduction of 10% of the delayed good's /service's contract price.

8. **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 (as mentioned in point 7 of this enquiry document); (b) Termination of contract for default (as mentioned in point 12 of this enquiry document).

9. **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.

10. **Rejection Replacement:** In case of supplies, materials not meeting our specification will be rejected outright and the rejected material shall be taken back within 7 days at the cost and risk of the supplier and replacement should be made within 15 days from the date of intimation. No payment shall be made for rejected item. If the material is not taken back within the stipulate period, BNPM



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

reserves the right to dispose-off the material at the risk and expense of the vendor as per provision under Section IV: General conditions of contract.

11. **Risk Purchase Clause:** If the supplier fails to abide by the terms and conditions of the contract/agreement, or fails to supply 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. **Termination for Convenience (Foreclosure) Clause:** BNPM reserves the right to terminate the contract, in whole or in part for its (BNPM's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of BNPM. The notice shall also indicate inter-alia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.

13. **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.

14. **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.

15. **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



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

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.

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.



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

**17. Price Bid Format:**

Sl. No.	Material Description	UOM	Qty.	Unit Price (INR)	P&F, Insurance & Freight Charges (INR)	GST@ _____% Amount (INR)	Unit price including P&F, Insurance, Freight & GST (INR)	Total price inclusive of P&F, Insurance, Freight & GST (F.O.R, BNPM, Mysuru) (INR)	Input GST Credit (INR) {GST amount * Total quantity}	Effective price inclusive of P&F, Insurance, Freight (F.O.R, BNPM, Mysuru) (INR)
A	B	C	D	E	F	G	H=E+F+G	I=H*D	J=G*D	K=I-J
1	RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 375mm, Temp range: 0-200°C <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> </ul>	Nos.	1							



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast aluminium</li> <li>• Thermo well type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connection: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>								
2	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 375mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place</li> </ul>	Nos.	2						

Note: Evaluation shall be done on the basis of overall effective price to decide L-1 bidder



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<p>of existing make &amp; model approved by BNPM</p> <ul style="list-style-type: none"> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast aluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> </ul>									
--	---	--	--	--	--	--	--	--	--	--



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>Application media: For use in Boiler for Steam/Liquid</li> <li>Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>									
3	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-100°C</p> <ul style="list-style-type: none"> <li>Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>Stem Dia : 06 mm</li> <li>IP protection :IP-67</li> <li>Voltage rating : 24V DC, 4 - 20 mA</li> <li>Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>Insulation: MgO powder packed</li> <li>Head: Screwed cover with SS chain</li> <li>Head material: Die cast alluminium</li> <li>Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> </ul>	Nos.	1							





**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>								
4	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> </ul>	Nos.	1						



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast aluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>									
--	--	--	--	--	--	--	--	--	--	--



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

5	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast aluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged</li> </ul>	Nos.	2							
---	---	------	---	--	--	--	--	--	--	--



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<p>#150RF, Internal: 1/2" NPTF</p> <ul style="list-style-type: none"> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>									
6	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 380mm, Temp range: 0-350°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> </ul>	Nos.	2							



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>								
7	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 410mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> </ul>	Nos.	1						



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast aluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>									
--	--	--	--	--	--	--	--	--	--	--



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

8	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 425mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast aluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged</li> </ul>	Nos.	1							
---	---	------	---	--	--	--	--	--	--	--



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<p>#150RF, Internal: 1/2" NPTF</p> <ul style="list-style-type: none"> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Steam/Liquid</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>								
9	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 475mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> </ul>	Nos.	1						





**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell (for steam/liquid)</li> <li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connection: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Air/Flue gas</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>								
10	<p>RTD sensor, Type: Thermocouple, K type , Duplex, Stem length: 495mm, Temp range: 0-600°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place</li> </ul>	Nos.	2						



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<p>of existing make &amp; model approved by BNPM</p> <ul style="list-style-type: none"> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell (for steam/liquid)</li> <li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> </ul>									
--	---	--	--	--	--	--	--	--	--	--



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Air/Flue gas</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>									
11	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 595mm, Temp range: 0-200°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast alluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered)</li> </ul>	Nos.	1							



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<p>flanged thermowell (for steam/liquid)</p> <ul style="list-style-type: none"> <li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connection: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> <li>• Application media: For use in Boiler for Air/Flue gas</li> <li>• Vendor shall provide Test certificate, manual and 1year warranty.</li> </ul>								
12	<p>RTD sensor, Type: PT 100, 3 Wire, Duplex , Stem length: 595mm, Temp range: 0-300°C</p> <ul style="list-style-type: none"> <li>• Make : Pyro Electric, Model : Pyro C2 Series / Equivalent which can be used in place of existing make &amp; model approved by BNPM</li> <li>• Stem Dia : 06 mm</li> </ul>	Nos.	2						



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"> <li>• IP protection :IP-67</li> <li>• Voltage rating : 24V DC, 4 - 20 mA</li> <li>• Response time:&lt;10sec without thermowell, 30-40sec with thermowell</li> <li>• Insulation: MgO powder packed</li> <li>• Head: Screwed cover with SS chain</li> <li>• Head material: Die cast aluminium</li> <li>• Thermowell type: SS316, drilled bar stock (tapered) flanged thermowell (for steam/liquid)</li> <li>• Thermowell type: SS316, Pipe fabricated, flanged thermowell (for gas/air)</li> <li>• Flange: size/class/material: 1.5"/150 # RF/ ASTM A182 F 316</li> <li>• Thermowell material: SS316</li> <li>• Thermowell connction: External-1.5" flanged #150RF, Internal: 1/2" NPTF</li> <li>• Cable entry: 1/2" NPTF, 2 nos. independent, Glands: 1/2" NPTM</li> </ul>									
--	--	--	--	--	--	--	--	--	--	--



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

	<ul style="list-style-type: none"><li>• Application media: For use in Boiler for Air/Flue gas</li><li>• Vendor shall provide Test certificate, manual and 1year warranty.</li></ul>									
	<b>Total price inclusive of all tax, freight , P&amp;F &amp; any other charges in figures</b>									
	<b>Total price inclusive of all tax, freight , P&amp;F &amp; any other charges in words</b>									



**OPEN TENDER ENQUIRY No. BNPM/OTE/RTD Sensor /0079/2022-23**

We hereby confirm that

1. We accept all the terms & conditions mentioned in the enquiry.
2. Payment Terms: 100% within 30 days from the date of receipt and acceptance of goods at BNPM Plant, Mysuru.
3. Price quoted is inclusive of P&F, Insurance, Freight and GST on F.O.R Basis, BNPM Plant, Mysuru.
4. Bid validity: 30 days from the date of enquiry closing date.
5. HSN Code:(i).....
6. Delivery period: ..... (Days / Weeks)
7. Warranty Period: ..... Months (Time Period to be specified, in case warranty period is less than 12 months / NA to mentioned in the in case warranty is not applicable)
8. **BankDetails:**      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)
10. Bid Security Declaration has been submitted as per the format provided at page no. 10

Signature of bidder: .....

Name of the Firm: .....

Seal of the firm: .....

GST No. ....

**Contact Details:**

Contact Person: .....

Contact No. ....

Contact Email Id: .....

**NOTE: Interested bidders are recommended to register themselves at company's website <https://bnpmindia.com/Vendor.aspx> in order to get future enquiries of relevant items.**



**Format for Bid Security Declaration:**

**Enquiry No: BNPM/OTE/RTD Sensor /0079/2022-23, dated: 10.05.2022  
(To be submitted on Company letterhead)**

**BID SECURITY DECLARATION**

We, the undersigned, declare that we will automatically be suspended from being eligible for bidding in any tender with Bank Paper Mill India Private Limited, Mysore for the period of 12 months, if we are withdrawing our Bid during the period of bid validity (or) fail / refuse to furnish the performance security / execute the contract, if awarded.

Signature \_\_\_\_\_

Name-----

Designation-----

Date-----

Stamp of the Organization-----

