

BNPM/LTE/SPHE/381/ 2019-20	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	Cover Sheet
	CORRIGENDUM NO. 1 Design, Manufacture, Supply, Installation, Testing & Commissioning of Spiral Heat Exchanger at BNPM Plant, Mysuru	Sheet 1 of 3

CORRIGENDUM NO. 1 DATED 20.08.2019

FOR

TENDER No.

BNPM/LTE/SPHE/381/2019-20 DATED 19.07.2019

FOR

**Design, Manufacture, Supply, Installation, Testing & Commissioning of Spiral Heat Exchanger
at BNPM Plant, Mysuru**

PURCHASER : BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

EQUIPMENT : SPIRAL HEAT EXCHANGER

LOCATION : BNPM PLANT, MYSURU, KARNATAKA



**ISSUE
R1**

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	CORRIGENDUM NO. 1 Design, Manufacture, Supply, Installation, Testing & Commissioning of Spiral Heat Exchanger at BNPM Plant, Mysuru	Sheet 2 of 3

1.0 SCOPE OF THIS CORRIGENDUM

1. Details provided in this corrigendum shall override those mentioned in the tender no. BNPM/LTE/SPHE/381/2019-20 Dated: 19.07.2019

2. Except for details mentioned herein, all other details contained in the tender no. BNPM/LTE/SPHE/381/2019-20 Dated: 19.07.2019 shall remain unchanged.

3. Due date of bid submission:

Closing date and time for receipt of tenders	30.08.2019; 1430 Hrs.
Time and date of opening of techno-commercial bid	30.08.2019; 1500 Hrs.

4. Clarification to bidders' queries:

Sl. No.	Bidders Queries	Action/Clarification incorporated in this Corrigendum
1.	<p><u>Section VII: Technical Specifications:</u> <u>I) Scope of Work: Point (ii) {Page no. 32 of 56}</u> <u>Bidder Query:</u> We will furnish technical details about our equipment alone. Any other information required will be in BNPM scope as we are competent only in heat exchanger manufacturing.</p>	<p>No change is required, details provided in point (ii) shall remain as mentioned in the tender document. Bidders to comply with tender specifications</p>
2.	<p><u>Section VII: Technical Specifications:</u> <u>I) Scope of Work: Point (iii) {Page no. 32 of 56}</u> <u>Bidder Query:</u> Heat load calculation will be submitted in OEM Technical data sheet</p>	<p>OEM submitted heat load calculations is acceptable , provided the bidder is the authorized dealer of the OEM</p>
3.	<p><u>Section VII: Technical Specifications:</u> <u>II) Spiral Heat Exchanger Technical Details: Point 12 {Page No. 33 of 56}</u> <u>Bidder Query:</u> Factor of Safety (FOS) will be 1.3 as per ASME code</p>	<p>Factor of Safety (FOS) to be read as Min. 1.3</p>



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	CORRIGENDUM NO. 1 Design, Manufacture, Supply, Installation, Testing & Commissioning of Spiral Heat Exchanger at BNPM Plant, Mysuru	Sheet 3 of 3

4.	<p><u>Section VII: Technical Specifications:</u> <u>II) Spiral Heat Exchanger Technical Details: Point no. 13 {Page no. 33 of 56}</u> <u>Bidder Query:</u> Hydro test Pressure will 1.3 times design pressure as per ASME code</p>	<p>Hydro Static Pressure: Spiral Heat Exchangers shall be hydrostatically tested after final assembly to test the integrity of the pressure retaining parts & test for tightness. Test Pressure shall not be less than 1.3 times the rated pressure</p>
5	<p><u>Section VII: Technical Specifications:</u> <u>II) Spiral Heat Exchanger Technical Details:</u> Additional Requirement has been added as Point no. 15 {Page no. 33 of 56}</p>	<p>1. Temperature gauges (0-100 Deg C, Total - 4 Nos., 100 MM dial size, ½ NPT Connection, Brands - Forbes Marshall, GIC, WIKA, MASS / Any equivalent brand on approval from BNPM) to be supplied by the bidder along with system.</p> <p>2. Pressure Gauges (0- 10Kg/Cm2, Total - 2 Nos., 100 MM dial size , ½ NPT Connection , Brands - Forbes Marshall, GIC, WIKA, MASS / Any equivalent brand on approval from BNPM) to be supplied by the bidder along with system.</p> <p>3. Mechanical flow meter (Turbine flow meter type, 2 Nos., Brands - Adept, Rockwin, Yokogawa / Any equivalent brand on approval from BNPM) of suitable size at the inlet effluent (hot side) & water outlet (Cold side) to be supplied by the bidder along with system.</p> <p>Installation of the above item will be in BNPM Scope.</p>
6.	<p><u>Section VII: Technical Specifications:</u> <u>VIII) Performance Test: {Page no. 34 of 56}:</u> Spiral Heat Exchanger system shall run uninterruptedly for at least 48 hours with guaranteed outlet temperatures of Effluent (Hot side) and Water (Cold side) and Efficiency to mark the successful commissioning of the system.</p>	<p>Clause to be read as "Performance Test of Heat Recovery System: The spiral heat exchanger system shall run for at least 24 hours (shift wise or batch considering the process availability (Boiler make up water) with guaranteed outlet temperatures and efficiency to mark the successful commissioning of the system</p>

