

	PPX-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) FAX: +91 1334 226084/226462 TEL: +91 1334 28 5773	ENQUIRY NO. B/4222/2017/2028V/1 PACKAGE: AIR COOLED CONDENSER PACKAGE PROJECT: 3X800 MW PATRATU PROJECT
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Date: 01/09/2018

**CORRIGENDUM FOR TENDER ENQUIRY NO.
B/4222/2017/2028V/1 FOR AIR COOLED CONDENSER
PACKAGE of Patratu Project.**

Corrigendum is being issued for revision in Document No. HXE/SK/90345/3 and HE57070, through amendment No. 09 dated 01/09/2018.

Amendment No. 09 dated 01/09/2018 is enclosed.

Air Cooled Condenser Package for 3X800MW NTPC Patratu

Amendment No. 9

Date:01 September, 2018

Sl. No.	Reference	Instead Of	Read As
01	HXE/SK/90345/3, Tube Bundle Manufacturing Facility & other sub-vendor items.		Document revised and attached with this amendment.
02	HXE/SK/90345/3, Annexure-2 and sl. No 25 of Amendment-02		Annexure-2 revised and attached with this amendment.
03	HE57070, CI No. VI.4.1 Page 78 of 121		New Clause Added Bidder to provide the supporting documents describing the standard philosophy of various instrumentations provided in ACC system; example, for Fan vibration measurement, for oil pressure and temperature measurement in gear box etc.
04	HE57070, CI No. VI.7.4 Page 91 of 121	v) Vibration Switch - 10% of each type vi) Temperature Switch - 10% of each type vii) Pressure/ DP Switch - 10% of each type	Clause deleted.
05	HE57070, CI No. IV.4.3.6.1, Page 27 of 121		New Clause Added: Drain pump piping system should be able to handle flow corresponding to all pumps (including stand-by) simultaneously in operation.
06	HE57070, CI No. IV.4.3.6.2, Page 27 of 121		New Clause Added: Flow through control valve shall be controlled through feed back mechanism received from flowmeter.

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Tube Bundle Manufacturing Facility & Other Sub-Vendor Items

1. Deleted
2. List of approved sub-vendors/manufacturers/ supplier for items covered at slno.2 of document no. HXE/SK/90345/1(Provenness) is stipulated below.

For additional/ new sub vendor/ manufactures/ supplier proposed by Bidder for these items, Bidder to furnish, in addition to the documents for provenness criteria as per HXE/SK/90345/1, the details like their manufacturing and testing facilities, past experience, technical leaflets/ catalogue to demonstrate proven capabilities to supply the required item of sub-vendor / manufacturers along with their own detail recommendation in NTPC formats for NTPC/BHEL review to enable NTPC/ BHEL to access manufacturer / sub-vendor.

To enable the approval of sub-vendors, the Bidder shall provide all necessary data such as type, design, make, capacity, duty conditions, date of commissioning/operation etc.

Such vendor approval shall not relieve the Contractor from any obligation, duty or responsibility under the contract without any price implication.

List of approved sub-vendors

Slno.	Item	Approved Vendor	Remarks
1	Condenser Air Evacuation pump	M/s Edwards Limited, England / China M/s Gardner Denver Nash Machinery, China M/s Tsurumi Manufacturing Co Ltd, Japan M/s Guangdong Foshan Pump Factory Co Ltd (Kenflo), China	
2.	Control Cables	Refer separate list as per Annexure-1	
3.	Measuring Instruments (primary)	Refer separate list attached as Annexure- 1	Bidder to propose sub vendors for Instruments not covered in list as per Annexure-1, but is required as per scope detailed in specification HE57070.

Worked by	Mukesh	S. AGARWAL
Checked by	Naman	V.K. Pandey
Approved by	SHASHI KANT	QAX
Deptt.	HXE	CIE
		Agreed Depts

4.	PVC & XLPE Cable	Refer separate list attached as Annexure- 1	
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3. List of major items for which sub-vendor approval is required shall be as per Annexure-2. Bidder may propose sub vendors for these items listed in Annexure-2 along with details like their manufacturing and testing facilities, past experience, technical leaflets/ catalogue to demonstrate proven capabilities to supply the required item of sub-vendor / manufacturers for NTPC/BHEL review to enable NTPC/ BHEL to access manufacturer / sub-vendor. Bidder to procure items from NTPC/BHEL approved sources only.

Such vendor approval shall not relieve the Contractor from any obligation, duty or responsibility under the contract without any price implication.

Worked by	Mukesh	<i>[Signature]</i> 01/09/18	S. AGARWAL	<i>[Signature]</i> 01/09/18
Checked by	NAJIB	<i>[Signature]</i> 01/09/18	U.K. Panda	<i>[Signature]</i> 01.09.18
Approved by	SHASHIKANT	<i>[Signature]</i> 01/09/2018	QAX	
	Name	Signature	Name	Signature
Deptt.	HXE		CIE	Agreed Depts

HXE/SK/90345/3
Annexure- 2

S.No.	ITEM
1	TUBE BUNDLE
2	FANS
3	GEARBOXES
4	DRAIN PUMPS
5	FIN CLEANING SYSTEM
6	VACUUM PUMPS
7	VALVES (GGC)
8	EXPANSION JOINTS
9	STRAINERS
10	RUPTURE DISC
11	STEAM DISTRIBUTION MANIFOLD
12	STORAGE TANKS
13	HANGER & SUPPORTS
14	STRUCTURAL STEEL FABRICATION
15	ISOLATION VALVE
16	ELECTRICAL MOTORS (LT), KW rating wise
17	ELECTRICAL MOTORS (HT 3.3 KV), KW rating wise
18	JUNCTION BOX
19	POWER CABLES (LT)
20	CONTROL CABLES
21	INSTRUMENT CABLES

Ambo
01/09/19

Abhinav
01/09/18

HXE/SK/90345/3 Annexure- 2	
S.No.	ITEM
22	TRANSMITTERS (PRESSURE, DP)
23	TEMPERATURE TRANSMITTERS
24	PRESSURE GAUGES
25	PRESSURE /DP SWITCHES
26	TEMPERATURE GAUGES
27	TEMPERATURE SWITCHES
28	THERMOCOUPLES / RTD
29	LEVEL GAUGES
30	LEVEL SWITCHES
31	DISPLACER TYPE LEVEL TRANSMITTER
32	VIBRATION SWITCHES
33	VIBRATION TRANSMITTERS
34	MOV ELECTRICAL ACTUATORS
35	FLOW TRANSMITTERS

ASU/b
01/09/18

Haroon
01/09/18

21/09/18

21/09/18