



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-4-Jun-21

CORRIGENDUM- 01

PROJECTs	:	4X210 MW + 3 X 500 MW NTPC KAHALGAON-FGD
PACKAGE	:	COMPRESSED AIR SYSTEM
ENQUIRY NO	:	PE/PG/KAG/E-6639/2021 Dated 21.05.2021
SUBJECT	:	PRE-BID CLARIFICATION

Type of Corrigendum			
Technical Corrigendum -	<input checked="" type="checkbox"/>	Commercial Corrigendum -	<input type="checkbox"/>

Bidders are requested to go through the following -

1. BHEL replies to pre-bid clarifications attached.

All the other terms and conditions of the tender enquiry remain unchanged. All the bidders are requested to quote accordingly.

Yours faithfully,

For and on behalf of BHEL

Upendra Chaudhary
Manager/BOP

PREBID CLARIFICATION LIST

Sr No	Clause No	Description	Clarification Required	BHEL Reply
1	2.4	Sequential panel for ensuring equal no. of running hours of each compressor – 1 Lot.	Operator to ensure opening and closing of respective manual valves during cross connection of compressor and dryer. Sequential program will be activated in one of controller. There is no physical panel. Field pipeline control valves (if any) shall be controlled through DCS, inline with previous FGD projects	Bidder to follow technical specification.
2	2.5	Online Electronic Dew point meter	Dryer is inbuilt with individual dew point. So dew point at header level is not require	Bidder to follow technical specification.
3	6.6	DCS control. However, all logic for implementation of control and monitoring from DCS shall be provided by successful bidder during detail engineering.	If sequentail program is considered, then only monitoring is possible through DCS. All control (start/stop of compressor to ensure equal wear)through sequential program.	Bidder to follow technical specification.
4	15.5	The temperature of the air at the outlet of after cooler shall be limited to 7 deg.C	Compressor coolers are design for 10 Deg C temp rise. However AC will maintain 45 deg C outlet temprature at dryer outlet which is going into system.	Bidder to follow the technical specification. Bidder to note that outlet the air temperature from air dryer in any case shall not be more than 45 deg. C. in line with the techncial specification.
5	2.01.00	Codes and Standrad	ISO 1217 Compressor testing standrad shall be followed inline with all previous executed orderd with BHEL/NTPC	Noted, bidder to follow techncl specification for other codes & standards.
6	28.02.00	Training to customer	3 days calssroom+shop training is considered. This is sufficient to understand operation & maintenance of compressed air system	Bidder to follow technical specification. However, the exact no. of training days shall be decided during detail engineering.
7	30.00.00	Noise Level of Compressor	Noise of compressor shall be 85 DB measured accordingly ISO 2151: 2004 using ISO 9614/2. same is inline with previous executed projects with BHEL/NTPC	Bidder to follow the requirements specified under cl. No. (x), Sec C2-C, Vol-IIB for the noise level requirement. The mentioned cl. 30.00.00 (a) & (b) donot pertain to compressed air system.
8	3.2	Strikeout clause -Motor Rating shall have 15% margin over BKW of compressor	BHEL to Confirm margin requirie. whether 10% or 15% over compressor BKW.	Bidder to follow technical specification. The margin shall be a specified in the " Technical Specification Of Motor" section- C3, Volume-IIB.