

BHEL Hyderabad	FIP for RFCL, Ramagundam	Dt: 11.07.17
PE&SD	NIT no in www.bhel.com :NIT_33293 Tender id in mjunction (eps) : T7I1Q06750	Rev 00 Page 1 of 1

Corrigendum 1 (Clarification to Prebid queries)

Name of the Work: **Field Instrumentation Package for RFCL 1x32.5 MW Co-gen Project, Ramagundam**

Tender No.: **T7I1Q06750**/NIT_33293 published on 20.06.2017

With reference to above tender, following corrigendum –1 is released.

Sl. No.	Document No./Title/Reference	As Published	Should be read as
1.	As per attachment	As per attachment	As per attachment

Bidders are requested to submit a copy of this corrigendum (as part of technical bid) along with the attachment containing clarification to various prebid queries duly signed by the authorized signatory & stamped with official seal as a token of Bidder's unqualified acceptance to this corrigendum.

Sd/-

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Reply clarifications to prebid queries

Query 1 : Against Sl. No 14 & 15, please confirm minimum, maximum range and Maximum static pressure. This information is very much required by our sub vendors to provide offer to us.

BHEL Reply: Range = 0 to 2.5 kg/cm²; Maximum Static pressure = 35.15 kg/cm²(g)

Query 2 : Against Sl. No 20 to 25: thermocouple with TW: The specification calls for K-Type, Ex-proof & intrinsic safe EX 'i' type. Only flame proof is possible, both certifications are not possible with approved vendor list mentioned in the tender document. Kindly confirm your acceptance.

BHEL Reply: Accepted.

Query 3 : Level gauge hand wheel shall be CI, not CS as per approved vendors.

BHEL Reply: Noted and accepted.

Query 4 : SL.NO 16 to 19: For temperature gauge with thermowell, please specify individual quantities for Bimetallic and Gas filled separately.

BHEL Reply: From total TGs (main supply + mandatory spares), only 12 TGs shall be "gas filled type". Remaining all are Bimetallic type.

Query 5 : Please reconfirm the Hazardous area classification for all electrical/electronic Instruments.

BHEL Reply: Zone-1, IIA & IIB & IIC, T3.

Query 6: Kindly note that for Temperature Transmitters, PMI test is not applicable as there is no wetted parts. Also reconfirm the requirement of PMI Test for other field instruments listed in your tender

BHEL Reply: PMI test is not applicable for Temperature transmitter. For other instruments, please follow NIT specifications.

Query 7: The range of the following items are not provided:

- 1) Differential Pressure transmitter with integral manifold
- 2) Differential Pressure Transmitter Remote seal type
- 3) Temperature Transmitter

BHEL Reply: Max. range of DPT=0-6 kg/cm²(g); Max. range of TT = 0-650 DegC; Exact required calibration range shall be provided after P.O. placement.

Query 8 : Supervision of Erection and Commissioning: Since there is no line item in Annexure I for Supervision of E&C, we understand the same is not required. Please confirm.

BHEL Reply: Confirmed.

Query 9 : Reflex Type Level Gauge Datasheet – Item No's. 7-10: Please confirm whether IBR is required.

BHEL Reply: IBR applicable for S.No. 9 (out of S.No. 7-10) of Annexure -[I] of PY 56217

Query 10 : Pressure Gauge Datasheet – Item No. 6: Datasheet mentions 250mm Dial Size for 4 nos. However the same does not appear in Annexure I BOM. Please confirm following:

- What is the range for these 4 nos. of PG.

BHEL Reply: It is used HRSG & UB drum pressure measurement. Exact range shall be provided after P.O. placement.

- Are there any Mandatory spares for these PG as well. Please confirm.

BHEL Reply: Above 4 No's of PGs are including main supply & mandatory spares (i.e. Main supply = 2 No's + Mandatory spares = 2 No's)

- Request to include separate line item in Annexure I BOM for this 4 nos. of PG and same in Mandatory spares.

BHEL Reply: Please proceed with above replies.

Query 11 : Temperature Gauge Datasheets – Remark 1: Please confirm Type and Quantity of TG which are for Vibration Service (U length more than 500 mm)

BHEL Reply: 10 No's from the total TGs

Query 12 : Thermocouple with Thermowell Datasheet – Item No. 27: FRP Canopy requirement is mentioned. Is it to be supplied along with thermocouple? Thermowell vendor does not provide canopy. Hence request you to please include Thermowell canopy as separate line item in Annexure I BOM and spare specification for same.

BHEL Reply: Canopy not applicable for Thermocouples.

Query 13 : Thermocouple with Thermowell Datasheet – Remark 1: Please confirm Type and Quantity of Thermocouple which are for Vibration Service (U length more than 500 mm)

BHEL Reply: 5 No's from the total Thermocouples

Query 14 : Thermowell Datasheet – Remark 1: Please confirm Type and Quantity of Thermowell which are for Vibration Service (U length more than 500 mm)

BHEL Reply: 3 No's from the total of S.No. 26 & 27 of Main supply + Mandatory spares

Query 15 : Annexure I – Notes (No.5 – 20% transmitters with SIL 2):

- Please clarify exact quantity.

BHEL Reply: As intimated in enquiry specifications, SIL-2 compliance is required for 20% of total transmitters (Main supply + Mandatory spares).

- Does this apply to each line item quantity of transmitters or overall quantity?

BHEL Reply: Applicable for S.No. 1 to 6 of Annexure -[I] of PY 56217 of Main supply + Mandatory spares. Refer “remarks” column of Annexure -[I] of PY 56217. 20% shall be applicable for each item of S.No. 1 to 6 Annexure -[I] of PY 56217 of Main supply + Mandatory spares. Decimals shall be rounded to next digit.

- Does this apply to Mandatory spares also?

BHEL Reply: Already replied above.

- Request M/s BHEL to amend the Annexure I BOM to include exact quantity of each type of transmitter which is required as SIL 2.

BHEL Reply: Follow the above replies.

Request you to submit your offer by considering above clarifications