CORRIGENDUM - 4, DTD.19.06.2021 TO BHEL PSSR TENDER REF: ENQ:20:PS:0005:PUR:36, DTD 18.05.2021

Tender reference No: ENQ:20: PS:0005:PUR:36 for Design, Manufacturing, Supply, Site Storage, Erection and Hydro testing of GRP Pipelines inside Plant boundary along with supervision of civil works for the project: Udangudi Supercritical TPP ST-I (2X660 MW).

SI No	Vendor Query	Reference Document	Relevant Chapter/Clause	PDF Page No	BHEL Reply
1	We understand though Tender documents and 2nd Clarifications that, below 300 mm Dia GRP pipeline jointing method by Lamination (Butt wrapping jointing), and above 300 mm Dia by coupling method. For Fittings (like Bend, Flange, Tee) jointing methods did not clear any anywhere. So, we considered it can be combination of Coupling & Butt Wrap (Lamination) method or any one method as per requirement. Kindly confirm.	TS-435-100-M042 R03 Ranipet Tech Spec ROS: 6283 R02			As clarified earlier, below 300 mm dia GRP pipeline jointing method is by Lamination (Butt wrapping jointing) and above 300 mm Dia by coupling method. The above philosophy is to be followed for GRP fittings also.
	Encasement: If we give coupling jointing method in Encasement, following technical issue arise. As bellow: • A] Due to concrete shrinking properties unequal pressure applied on Coupling Gasket during Hydrostatic Pressure testing by concrete. • B] Due to cement contact with Coupling gasket, Hardness of Gasket may change. • We propose Butt wrap jointing method for Pipe jointing where pipeline comes inside Encasement. Kindly Confirm.	TS-435-100-M042 R03 Ranipet Tech Spec ROS: 6283 R02			Please follow Annexure-5 of PEM Tech Spec PE-TS-435-100-M042 R03 for suggestive sketch for stage-wise RCC encasing of underground GRP piping. Please follow the Technical specifications.
3	We need Valves / Instruments/ Expansion Joints list, so we can consider it in costing.	PEM Tech Spec PE- TS-435-100-M042 R03 Ranipet Tech Spec ROS: 6283 R02		l	As already mentioned under scope of Technical specifications, valves/instruments/ expansion joints are in BHEL scope of supply. Further, all necessary tappings/ fittings for the same have already been considered in GRP piping BOQ provided along with the specification. For reference, P&IDs provided along with specification may be referred.

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		Document	• •	Page No	
4	Dewatering: (Well point method) We suggest it should be done by Excavation contractor as per general practice in India. Also, if we as a Pipeline Installation agency install Dewatering system, we can not predict completion time Bedding, PCC or delays of BHEL civil agency. In this case our Dewatering system unnecessary will continue until both agency activities completion. One agency delay may results losses, overheads, Fuels cost, rental costs. So, we suggest Dewatering system arrangement should be done by BHEL civil agency.	Specification & SCC			Dewatering during civil works will be taken care by the civil agency. Dewatering requirement during the pipe erection, jointing, hydrotesting and/or during any other piping activity to be taken by the bidder as per the relevant specifications.
5	2 nos. of 40 MT crane and 15 Ton crane necessity we didn't understand extra, whereas this work can be done by single cranes (understanding).		Clause 26	20	Tender condition prevails.
6	Soil investigation report not available, kindly provide.	PEM Tech Spec PE- TS-435-100-M042 R03	Clause 1 - Project Scope, Sub Clause ii	4	All civil works are excluded from the scope of the bidder. Only civil design inputs to be provided to BHEL by the bidder. Soil Investigation report, if required, will be shared after the award of the contract.

Note:-

All other Terms & Conditions remain unchanged. Bidders are requested to consider this Corrigendum as part of the Tender Specification and quote accordingly.

-sd-Yasodha G DM/Purchase