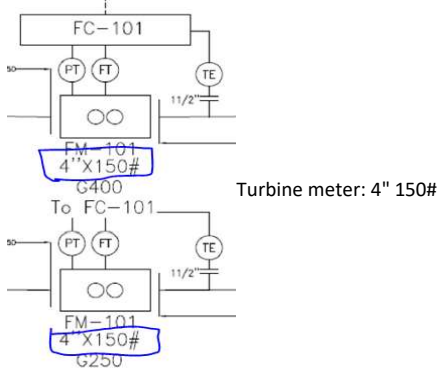


SUBJECT:- SUPPLY, DELIVERY, COMMISSIONING OF CHECK METERING SKID FOR HNGPL IN HARIDWAR GA

Tender No :- HNGPL/HARIDWAR/METERING SKID/23-24/01

Sr No	Section/Clause No.	Page No.	Section Detail/Description	Bidder's Query	HNGPL Replies
Technical					
1	Bid Evaluation Criteria	14 of 255	A. Technical Criteria: A.1.3 The inlet class rating & size of the supplied skids to qualify against (A.1) shall be same or higher than the inlet class rating & size of the quoted skid / skids.	We request you to accept the minimum skid inlet class rating & size same as the meter class rating & size that is 4" 300#. Please confirm.	Refer the Corrigendum#1
2	Flow Computer	242 of 255	I/O Required RTD : 04 , AI : 04, AO : 04 , DI : 16, DO : 08	As per the Project requirement I/O required : RTD : 02 , AI : 02, Pulse : 02, DI : 06, DO : 02 Rest I/Os are spare. Please confirm the total nos. of I/Os requirement.	Bidder understanding is correct rest tender condition prevails.
3	Turbine Meter	247 of 255	Vendor List	Please accept the Vemtech Make turbine meter. We have supplied in many CGDs & having the good PTR.	Vendor has to provide the the Turbine meter as per the Approved vendor list. Rest Condition Prevails.
4	P&ID	252 of 255	 <p>Turbine meter: 4" 150#</p>	As per the project requirement Turbine Meter : 4" 300# . Please confirm	Refer the revised P&ID.
5	Turbine Meter vendor list	247 of 255	Technical	In Approved vendor list for Turbine Meter, Rockwin make is missing in a list. Kindly include Rockwin make TFM as Rockwin is approved in all CGDs & consultants. We are a regular supplier of TFM to CGDs like GAIL, HPCL, IOCL etc. PTR enclosed for reference.	Vendor has to provide the the Turbine meter as per the Approved vendor list. Rest Condition Prevails.
6	P&ID		Technical	As per P&ID operating pressure in 25 bar which means 300# rating skid is required but in P&ID Flowmeter rating mentioned is 150#. Kindly clarify.	Refer the revised P&ID
7	P&ID		Technical	As per drawing there are 3 streams, stream 1 needs to be designed for 200000 SCMD flowrate at 25 barg operating pressure, stream 2 for 100000 SCMD flowrate. Kindly advise the flow parameters to be considered for stream 3.	Vendor has to follow Revised P&ID. Rest Tender condition prevails.

Reply to Bidder's Pre Bid Queries Date: 16.10.2023

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Tender No :- HNGPL/HARIDWAR/METERING SKID/23-24/01

Sr No	Section/Clause No.	Page No.	Section Detail/Description	Bidder's Query	HNGPL Replies
8	P&ID		Technical	As per P&ID TFM of G-400 is required for 200000 SCMD stream and G-250 for 100000 SCMD stream but as per sizing G-250 is suitable for 200000 SCMD stream & G-160 for 100000 SCMD stream. Kindly advise what to be followed.	Vendor has to follow Revised P&ID. Rest Tender condition prevails.
9	P&ID		Technical	In P&ID, stream 1 & 2 both have 4" line size for 200000 SCMD & 100000 SCMD flowrate. But as per our calculation 3" line size is sufficient for 100000 SCMD stream at 25 barg pressure. Kindly advise what line size to be followed.	Vendor has to follow Revised P&ID. Rest Tender condition prevails.
10	P&ID		Technical	Inlet & outlet header given in P&ID is of 8" 300# so kindly advise if line size is fixed and needs to be followed by bidder or bidder has to calculate line size considering process parameters. Advise flowrate for header sizing is bidder has to do calculation.	Vendor has to follow Revised P&ID. Rest Tender condition prevails.
11	Process parameters		Technical	Kindly advise operating temperature for sizing purpose.	Consider the operating temperature 45 C.
12	Flow Computer Quantity		Technical	We understand that only 1 No. flow computer is required with skid which shall be connected with both flowmeters.	Bidder Understanding is correct.
13	Turbine Wet Calibration		Technical	We understand that wet calibration in GAIL Hazira lab at available pressure of 46-49 kg/cm ² is acceptable. Kindly confirm.	Wet Gas calibration is not required. Rest Tender condition prevails.
14	Cable laying		Technical	We understand that bidder scope is only supply of cable and cable lying within a skid only. Further cabling work shall be in client's scope. Kindly confirm.	Bidder Understanding is correct.
15	PMS		Technical	Kindly provide PMS of skid.	Refer the attached PMS
16	On-Off Valve		Technical	Kindly provide control philosophy of both streams ESDV.	Refer the tender page no 226. "Working Philosophy"
17	Power supply		Technical	Kindly advise if solar panel arrangement to be considered for this skid. If required then provide backup to be considered.	Vendor has to provide the 230 VAC to 24 VDC converter. Power supply in the HNGPL scope.