

CORRIGENDUM NO.1 TO TENDER DOCUMENT NO. GGPL/C&P/PUR/4710/2016-17
ITEM : SUPPLY OF METERING SKID
PRE-BID QUEIRES & THEIR CLARIFICATIONS

SL NO.	BIDDING DOCUMENT		SUBJECT	BIDDER'S QUERY	OWNER'S REPLY
	PART / VOL.	PAGE NO. / CLAUSE NO.			
1	SPECIAL CONDITIONS OF CONTRACT	44/70 / 3.0 SPECIAL INSTRUCTIONS TO BIDDERS	3.4 The maximum velocity of the gas must be limited to 20 m/sec as per PNGRB regulations.	Tender calls for skid inlet size of 3 inch as per reference P & ID no: GGPL-BHI-IN-DWG-MRS-001. Kindly note the velocity calculation at worst case condition (minimum pressure and maximum temperature) are as below : 1) 2 inch size inlet @ 1250 SCMH , 17 kg/cm ² (g) ,40 Deg C is 9.79 m/s. Since velocity in 2" is 9.79 m/s which is well within the standard PNGRB criteria of 20 m/s, please review and confirm whether we can supply the skid with inlet of 2 inch size or do we have to supply 3" as specified in the tender.	Bidders are requested to consider sizes of pipe, valves, regulator etc as given in P&ID.
2	TECHNICAL SPECIFICATION FOR PIPING MATERIAL ENG-STD-PI-DOC-TS-001	192/203 / PIPING MATERIAL SPECIFICATION	4" - 12" 150# /300# Ball valve - Trunion Mounted	As per GAIL standards, for ball valves with 150# pressure class rating; Floating ball valves are acceptable up-to 8" size and for 300# rating; Floating ball valves are acceptable up-to 4" size. We request you to accept floating type ball valves for 4 inch 150# and 300# pressure rating.	For 150# & 300# rating and up to 4" size, Floating Full Bore Ball Valves are accepted.
3	MATERIAL REQUISITION OF MRS (METER REGULATING SKID)	8/203 / 1.2 Description of MRS	Single G400 RPD Meter with EVC & Latest Modem and Solar Panel	Tender calls for RPD meter with G400. 1250 SCMH @2.5 - 4 kg/cm ² (g) ,40 Deg C corresponds to 274-391 m ³ /hr under actual conditions. 4 inch G400 RPD meter is oversized for the subject flow range. We request you to consider 4 inch G 250 RPD meter with flow range of 2.5 - 400 m ³ /hr for measurement of the given flow range.	For RPD meter G-rating: G250 is ok.
4		2 of 70 / D)	Due date & time for Bid-submission 16/12/2016 at 2.00 p.m.	Kindly accept delivery of 10 weeks from date of fax of acceptance, as supply includes critical items like meter, canopy as well as Third party inspection.	Tender Clause with regard to Delivery Schedule remain unchanged.



						<p>The Pre-bid queries are yet to be clarified. Hence kindly extend tender from tender submission date by 28.12.2012</p>	<p>Revised Tender Schedule are as follows: Last Date and Time for submission: 14.00 hrs. of 23.12.2016 Date and Time for opening of Unpriced Bids: 15.00 hrs. of 23.12.2016</p>
5	17/70	22.1	<p>Bids must be uploaded online not later than the date and time specified in the RFQ.</p>	<p>We have not found any procedure, web address for online submission of BID> Kindly provide relevant information like website address, Login details for same to proceed further submission of tender docs.</p>		<p>This is not an e- Tender. Offers are to be submitted in physical form as hard copy.</p>	
6	15/70	Clause no.: 15> 15.9	<p>"Central Public Sector Undertakings of Government of India" and "Firms Registered with NSIC" are exempted from furnishing Bid Security, provided they are registered for the quoted items upto the monetary limit, they intend to quote and subject to their enclosing with their Bid a copy of latest and current 'Registration Certificate'.</p>	<p>We have applied for renewal registration of NSIC certification. Letter for same attached herewith. Also we are registered as MSME firm. Kindly confirm acceptance of any of above documents for EMD exemption.</p>		<p>It is clarified that the firms registered in line with the Government guide lines under Micro & Small Industries are also exempted from submission of EMD.</p>	
7	43/70	Clause no.: 2.3.4	<p>Completed Skid shall be finally witnessed & inspected by TPI / Client. TPI shall review Test certificates, traceability and certification by Sub vendors.</p>	<p>Kindly confirm TPI shall be in Godavari Gas's scope. Cost for same shall be borne by Godavari Gas.</p>		<p>TPI shall be done thru the Agency by GGPL. Supplier shall inform GGPL well in advance so as to deploy the Agency in time.</p>	
8	44/70	Clause no.: 3.7	<p>All bought out Items like Flanges, Fittings, Valves to be used in manufacturing of Skids shall have Certificates confirming to EN 10204 3.2 or EN 10204 3.1</p>	<p>We learned that only Type-3.1 certification is required for all mechanical components offered in skid. Kindly confirm</p>		<p>All bought out Items like Flanges, Fittings, Valves etc to be used in manufacturing of Skids shall have Certificates confirming to EN 10204 3.2.</p>	
9	10/203	Clause no.: 3.22	<p>Suitable transition fittings (required for connecting to MDPE pipes) shall be provided at inlet and outlet of MRS</p>	<p>As per our sizing calculation inlet line size is 1½". Transition fittings are available only in standard sizes like, 2", 4", 6" & 8" only. Kindly confirm the size to be selected. Also provide specification datasheet for same as well mentioning body MOC details.</p>		<p>Bidders are requested to note that transition fittings (required for connecting to MDPE pipes) is not required.</p>	



10		15/203	Clause - C)	Two pilot operated slam shut-off valve with pilot operated monitor and active regulator.	We learned that Monitor pressure regulating valve with in built slam shut off valve to be considered. Separate slam shut off valve is not required as shown in P&ID no.: GGPL-BHI-IN-DWG-MRS-001 Rev.1. Kindly confirm your acceptance.	Slam shut valve, Monitor valve and Active valve shall be separate.
11		18/203	Clause No. - 4	Gas composition	As per gas composition provided, our calculated specific gravity is 0.58. However as per document no. Tender Volume-1, Section-IV (Special conditions of Contract, Clause No.: 3.2, 0.7 specific gravity is to be considered. Kindly confirm exact specific gravity to be considered.	Bidders are requested to consider specific gravity 0.7.


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12	28/203	Clause no.: 4.33	Flow profiler shall be provided at the RPD meter inlet to eliminate swirls and cross current setup by the pipe fittings, valves or regulators preceding the meter inlet piping where specified. Flow Profiler shall be a bundle of SS 316 tubes as per AGA. Bidder shall furnish complete details/design of straight length (upstream/downstream).	Please note that, flow profiler is not required for RPD meter. Same can be worked without flow profiler. We will offer conical strainer at inlet of RPD meter. Kindly accept same.	Bidders are requested to consider conical strainer at inlet of RPD meter as shown in P&ID.
13	36/203	Clause no.: 3.5	A davit/ hinged arrangement shall be provided for the end closure for convenient handling. The closure shall have perfect sealing arrangement to prevent leakage.	We learned that Filter shall be provided with Devit arm. Quick opening enclosure & ASME "U" stamping is not required for Filter	Filter shall be QOEC type and ASME "U" stamping required.
14	48/203	Clause no.: 3.2.6	As a minimum, Flow Profiler shall be 316 stainless steel of a between-flange. These shall comply with the requirements of AGA 7 for Turbine meters.	Please note that, flow profiler is not required for RPD meter. Same can be worked without flow profiler. We will offer conical strainer at inlet of RPD meter. Kindly accept same.	Bidders are requested to consider conical strainer at inlet of RPD meter as shown in P&ID.
15	1 of 1	--	As per PMS, MOC shown is For 300# Pipeline: ASTM A 333 Gr. 6 Ball valve body: ASTM A 352 Gr. LCB / LCC For 150# Pipeline: ASTM A 333 Gr. 6 Ball valve body: ASTM A 216 Gr. WCB	We understand that, entire skid shall be desinged for low temperature service as per given PMS.	Bidder's understanding is correct.
16	1 of 1	--	Operating & Design temperature	We have not found any data related to Operating & Design temperature to be considered for skid sizing	Design Temperature: -20 deg C to 65 deg C
17	1 of 1	--	Separate Slam shut off valve, Monitor & active Pressure control valve shown	We learned that Monitor pressure regulating valve with in built slam shut off valve to be considered as per section MRS-Design Basis, page no.: 15 of 203, Clause - C)	Slam shut valve, Monitor valve and Active valve shall be separate.

18	1 of 1	--	Line sizes: Before filtration: 3" After Filtration : 3" PCV size: 2" After Pressure regulation: 4" Meter size: 4"x150#, G-rating: G400	As per given process data, velocity limitation as 20 m/s throughout skid & our sizing calculation sheet, our line sizes are as below. Before filtration: 1½" After Filtration : 1½" PCV size: 2" After Pressure regulation: 4" Meter size: 4"x150#, G-rating :G250. Kindly provide your confirmation on above sizes.	Bidders are requested to consider sizes of pipe, valves, regulator etc. as given in P&ID. For RPD meter G-rating: G250 is ok.
19	--	Note-14	All valves up to ½" size shall be Butt welded.	Kindly accept all isolation valves as socket welded with 100 mm extension pups.	Socket welded valve also accepted for all valve up to 1/2" size.
20	--	--	Datasheets for Ball valve, Globe valve, Check valve, dry gas filter, pressure safety valve, RPD meter, EVC, QAP for all items	We have not following line item datasheet as mentioned in MRS System package- Index Sr. nos. 1.1, 1.2, 22 to 50. Kindly provide all relevant document for further tender submission.	Data sheets/QAP are given in tender. Revised Section - V " Technical Specifications & Scope of supply, drawing, etc.. Enclosed with this corrigendum.
21	--	--	Approved Vendor list	Kindly provide approved vendor list	Revised Section - V " Technical Specifications & Scope of supply, drawing, etc.. Enclosed with this
24	Sec-V Technical Spec	25/203	Scope of work	Upstream & downstream straight run is not required for RPD type flow meter. Please confirm.	Upstream & downstream straight run is not required for RPD meter.
25	Sec-V Technical Spec		Dry Gas Filter	We understand that requirement is for Dry gas filter and hence coalescing filter is not investigated for this requirement. Please clarify /confirm	Bidder understanding is correct. Only dry gas filter is required.
26	Sec-V Technical Spec			Considering that the requirement is just for 300# rating and not for 600# rating, pilot operated unloading type regulators are ideally well suitable and hence please confirm acceptability for the same.	Tender condition prevail. Only loading type pilot operated regulator shall be used.
27	Sec-V Technical Spec			For 300# rating and up to 4" size, double block & bleed isolations valves are not investigated and floating full bore ball valves are accepted by all CGDs/ Please confirm acceptance for the same.	For 300# rating and up to 4" size, floating full bore ball valves are accepted



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28	Sec-V Technical Spec				Please confirm acceptance of body material as A216 Gr WCB for 2" & above isolation ball valves. For 800# ½" to 1½" socket weld end ball & globe valves please confirm acceptability of body material as A105.	Entire skid shall be designed for low temperature services.
29	Sec-V Technical Spec				Please confirm acceptability of following makes among other vendors as these are accepted / approved and supplied at various CGDs.	Kindly find attached vendor list. a) Filter: Rockwin b) Slam Shut-off valve & Regulator: Pietro Fiorentini c) RPD Meter: FMG, Netherland d) EVC: SMF INDUSTRIAL PRODUCTS AND SYSTEMS INC., Turkey
30	Sec-V Technical Spec				We reviewed through your documents but unable to locate necessary documents	Revised Section - V " Technical Specifications & Scope of supply, drawing, etc.. Enclosed with this corrigendum.
31	Sec-V Technical Spec				For the material certification, it is mentioned as 3.1, 3.1b and 3.2 in three different location in the tender document. Please advise which standard to be followed.	All bought out items like Flanges, Fittings, Valves etc to be used in manufacturing of Skids shall have Certificates confirming to EN 10204 3.2.
32	Sec-V Technical Spec			Approved Vendor list	Kindly provide approved vendor list	Revised Section - V " Technical Specifications & Scope of supply, drawing, etc.. Enclosed with this corrigendum.



33	Tender Document : SECTION-I	6/70	BEC	<p>A. Technical Criteria:</p> <p>1. The bidder should have designed fabricated, integrated, tested and supplied equal or higher in terms of flow capacity as mentioned against the scope of supply, in a single/ Cumulative Purchase Order / Work Order in the last 3 (Three) years from the bid due date for minimum quantity of 1.0 no of MRS. AND</p> <p>2. The bidder should have supplied 1 nos. of MRS which comprising of dual streams of Filtration, shutdown valve (SSV), Pressure regulating system (Active & Monitor ,PCVs), Creep Relief Valve (CRV) and RPD meter having capacity of more than 1250 SCM/H, to any of CGD entities of Oil and Gas Industries.</p>	<p>For Technical criteria for BEC, Tender indicates that the bidder should have supplied 01 no of MRS consisting of RPD Meter. We propose previous supplies of skids with either Turbine meters, Ultrasonic meters or Orifice meters. The design / accuracy of TM ,USM or Orifice meter based skids are more critical than RPD meters. Also, RPD meters are used for low applications generally. Hence we request to accept the PTR of TM, Orifice or USM for the subject tender. We await your acceptance to the same.</p>	<p>BEC Criteria (technical) Clause 2 page no 7 is modified as follows:</p> <p>2. The bidder should have supplied 1 nos. of MRS which comprising of dual streams of Filtration, shutdown valve (SSV), Pressure regulating system (Active & Monitor ,PCVs), Creep Relief Valve (CRV) and RPD meter or Turbine meters, Ultrasonic meters or Orifice meters having capacity of more than 1250 SCM/H, to any of CGD entities of Oil and Gas Industries.</p> <p>All other conditions of BEC (Technical) remain unchanged</p>
34	Section-IV SCC, Scope of supply	43 of 70	2.1	<p>Parameters Inlet pressure : 17 to 25 kg/cm²g</p>	<p>kindly confirm minimum inlet pressure to be considered as we found minimum pressure as 15 to 25 Barg in same section, page no. 44 of 70, clause no. 3.11</p>	<p>Inlet working pressure: 15-25 kg/cm²</p>



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