

Title: HIRING OF ENGINEERING CONSULTANT FOR ADEQUACY CHECK OF EXISTING COMPLETE GAS PROCESSING CIRCUIT AT SINJHORO INCLU

Date 24-January-2023

Pre-Bid Clarification # 1

Sr. No.	Document Reference Clause / Section / Discipline	SMEC Oil & Gas Clarification(s)	No.	OGDCL's Response
1	TOR - OBJECTIVE & BACKGROUND	Bidder understand that gathering area facility and associated pipeline (12km + 59km) is excluded from this study. Please clarify		Bidder understanding is correct.
2	TOR - SCOPE OF WORK	Bidder understand that adequacy check is limited to "Pre-treatment and CO2 removal unit without LPG recovery (as in Figure-A1). Please confirm that LPG plant adequacy is not part of this study.		As per TOR, effect on LPG production rate (in M Tons per MMscf) after injection of Suleman wells on commingled raw gas of Bitrisim, Gundanwari and Chabaro at Sinjhoru plant (as per Figure-A1) is also required. Process simulation, regarding adequacy will also be required regarding impact of process conditions at cryogenic LPG plant process parametres after injection of high CO2 content of Suleman wells. This is due to fact that part of gas (Comingled gas) will also be processed at LPG plant as per its capacity.(As mentioned in drawing A1), while remaing commingled gas will be processed at new membrane plant (btirisim train).Simulation of LPG plant will be required regarding impact of plant condition after injection of high CO2 content Suleman well.
3	TOR - SCOPE OF WORK Appendix-F	Bidder understand that OGDCL intends to review adequacy of membrane unit for 25 MMscfd (Currently approximately 10 MMscfd & 15 MMscfd gas of Suleman 1 & 2 wells) at Sinjhoru. And flow rate of 35 Mmscfd mentioned in Annexure-E is not applicable for this study. Please clarify		Bidder understanding is correct. Maximum handling capacity of existing processing circuit as per TOR is required to be checked.
4	TOR - SCOPE OF WORK	Bidder understand that membrane units adequacy will be checked against name plate capacities and if specialized review is required OGDCL will coordinate with the membrane package supplier for its performace and adequacy assessment and guarantee. Please clarify		Yes. It will be part of membrane optimization study. Consultant will check the adequacy of complete processing circuit as per TOR excluding membrane. OGDCL will coordinate with membrane package supplier .
5	TOR - SCOPE OF WORK	Bidder understand that adequacy of Flare system and Filter(s) will be checked against name plate capacities. Please clarify		Yes. For flare system, Isometric drawing ,data sheets of flare kockout vessel , flare knockout pumps, piping will be provided. Name plates data of filters is also available regarding design pressure and temperature. More data regarding filter vessel may be collected from field visit if required regarding adequacy .

6	TOR - SCOPE OF WORK & DELIVERABLES	<p>Bidder understand that scope is limited to Process/Capacity adequacy of "Pre-treatment and CO2 removal unit without LPG recovery (as in Figure-A1). And Bidder will prepare adequacy report with recommendations of requisite modifications, addition of equipment with preparation of Process Data sheets and high level cost estimate ($\pm 30\%$) while following activities can not be carried out in this adequacy study.</p> <ul style="list-style-type: none"> o Mechanical condition / integrity recommendations o Data sheets of new equipment o Tie-in details, BOQ and isometrics of additional/new equipment o Cost estimate of new equipment and required bulk material <p>Please clarify.</p>	<p>As per TOR, effect on LPG production rate (in M Tons per MMscf) after injection of Suleman wells on commingled raw gas of Bitrisim, Gundanwari and Chabaro at Sinjhoru plant (as per Figure-A1) is also required. Please also see reply to query no. 1 above.</p> <p>As per TOR, Mechanical condition / integrity (if any) recommendations only of any equipment under scope will be required from consultant.</p> <p>As per deliverables mentioned in TOR, for any Modification / addition (if require) in existing scheme, following documents are required as minimum to be furnished:</p> <ul style="list-style-type: none"> o Data sheets of new equipment (if required) o Tie-in details, BOQ and isometrics of additional/new equipment o Cost estimate of new equipment and required bulk material
7	TOR - SCOPE OF WORK	<p>Bidder understand that Utilities adequacy (Water, Air, Power, Fire Water etc) is beyond the scope of this study. Please clarify</p>	<p>Bidder understanding is correct.</p>
8	TOR - SCOPE OF WORK	<p>Bidder understand that produced water handling system adequacy is beyond the scope of this study. Please clarify</p>	<p>Bidder understanding is correct.</p>
9	TOR - SITE VISIT	<p>Bidder understand that site visit is not required at the bidding stage while it will be carried out after contract award. Please clarify</p>	<p>Please note that site visit is requested to all prospective bidders in order to obtain information, technical data for better understanding of scope of work and estimation. Therefore, prior to bid submission site visit is mandatory as per ITB.</p>