

Date: 22.06.2022

CORRIGENDUM NO. 2 TO NOTICE INVITING TENDER

- **TENDER ID:** 2022_IGGL_117887_1
- **TENDER NO.:** IGGL/GHY/C&P/PROJ/H-MISSION/06-22 date 02.06.2022 (E –TENDER NO: IGGL-100033)
- **JOB NAME:** COMPATIBILITY STUDY OF NEGG PIPELINE NETWORK TO ASCERTAIN TECHNICAL ACCEPTABILITY FOR BLENDING GREEN HYDROGEN WITH NATURAL GAS AND SUGGESTION/RECOMMENDATION IN LINE WITH THE GOI's "HYDROGEN MISSION"

**SUBJECT: EXTENSION OF BID SUBMISSION END DATE AND REPLIES TO ADDITIONAL
QUERIES**

BID SUBMISSION END DATE FOR THE ABOVE REFERRED TENDER IS **EXTENDED UP TO 07.07.2022 (14:00 HRS)**

Notes:

All other terms & condition of the tender remains unchanged.

In addition to the pre-bid queries, additional queries were received from prospective bidders.

Consolidated Reply to all the Bidder Queries can be referred below:

(All bidders intending to participate in the tender must upload signed & sealed copy of all pages of this Corrigendum No. 2 as their acceptance along with their bid)

REPLY TO BIDDERS QUERIES

Date- 22.06.2022

INDRADHANUSH GAS
GRID LIMITED



Name of Work: COMPATIBILITY STUDY OF NEGG PIPELINE NETWORK TO ASCERTAIN TECHNICAL ACCEPTABILITY FOR BLENDING GREEN HYDROGEN WITH NATURAL GAS AND SUGGESTION/ RECOMMENDATION IN LINE WITH THE GOI's "HYDROGEN MISSION".

Tender No.: IGGL/GHY/C&P/PROJ/H-MISSION/06-22 date 02.06.2022 (E –TENDER NO: IGGL-100033)

Following are the replies to additional queries raised by 02 (Two) nos. of bidders (i.e., M/s Mecon & M/s RINA) against the Minutes of Pre-Bid discussion held on dated 09.06.2022:

Query raised by M/s MECON								
Sl. No.	REFERENCE OF BIDDING DOCUMENT				MECON'S QUERY	REPLY FROM IGGL	MECON'S RESPONSE	REPLY FROM IGGL
	SEC. NO.	Page No.	Clause No.	Subject				
1.	II	13	1.7(i)	Technical Criteria of Bid Evaluation Criteria (BEC)	Being a PSU, both chartered engineer and notary public certification should not be required. Notary should be sufficient to establish the authenticity of the documents. If needed a further authentication by authorized signatory may be permitted.	Tender Conditions prevail	-	-
2.	III	59	38	Contract Performance Security	This is a compatibility study and as per industry standards does not require contract performance security. We request you to reconsider this clause.	Tender Conditions prevail	-	-
3.	VI	137	2.17	Financial Analysis: Capital Cost Estimate, Operating Cost Estimate, Cost of Generation of Hydrogen Etc.	Kindly confirm that the financial part of the report shall be limited to Capital Cost Estimate, Operating Cost Estimate, Cost of Generation of Hydrogen only.	Bidder's understanding is correct.	-	-

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4.	VI	138	4	30% Payment after submission of Draft Report. Balance 70% after submission of Final Report	The percentage value for the above head happens to be way too disproportionate. It is requested that these may please be at least somewhat rationalized as major efforts have already been undertaken at the stage of the draft report. Following % payment is proposed: - 70% after submission of Draft Report. - Balance 30% after submission of Final Report	Payment terms is revised as below: (i) 60% Payment after submission of Draft Report (ii) 40% Payment after submission of Final Report	Even the revised payment terms remain very significantly in commensurate with quantum of effort, we would therefore once again request for 70% + 30%	No further changes related to payment terms.
5.	VI	138	6	Price Reduction Schedule	It is submitted that at the time of work execution, every effort would be put in to adhere to the indicated time lines. This in particular is a compatibility study and as per industry standards does not require price reduction schedule. We request you to reconsider this clause.	Tender Conditions prevail	-	-

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6.	VII	140	1	Payment towards the cost for travelling / lodging etc. will be made at per actual.	Kindly confirm if man-day charges incurred while tour shall be reimbursed or not and the honorarium to be paid by client for that. Also, kindly indicate the tentative no. of tours which may be incurred during the course of project.	The cost of travelling and lodging will be paid; no Extra honorarium will be paid by client. Since it is a compatibility study/ feasibility study, no. of tours will be as per job requirement.	IGGL must indicate a specific number of 'man-days' of tour that are to be included in the Lumsum Price. In the event of man days of tour exceeding the said number, man-day charges would be applicable and which should part of the Priced SOR. The above information will be essential for working out our price especially with Option-II	The cost of travelling and lodging will be paid; no Extra honorarium will be paid by client. Since it is a compatibility study/ feasibility study, no. of tours will be as per job requirement subject to maximum 30 man days
7.	VI	136	2	Compatibility Study	We understand that Compatibility study only implies the Hydrogen blending percentage to be determined / decided based on the available data / information.	Scope is as per Tender	From the scope of tender, we understand that Compatibility study would imply studying the compatibility of pipeline for. the flow of Hydrogen blended Natural gas through it and which shall be studied based on available published	Only CGD is considered as consumer point for Compatability Study. Hence Impact study on CGD will be a part of assignment.

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							studies / literature/ information only. Any Impact study on end users/ consumers listed in section 1.6, cannot be part of this assignment and will need to be taken up separately. Please confirm.	
8.	VI	136	2.0 (b)	Consumer Point	Please confirm/clarify the number & type of Consumer points for which the present study is to be done.	Consumer points will be like: i. Refinery ii. Power iii. City Gas Distribution iv. LPG Extraction Unit v. Fertilizer v. Others – One Common Point Details of consumers with whom HOA/MoU executed / likely to be executed attached as Annexure-1	We believe under Option-I Hydrogen generation and blending would be at one point only. However, w.r.t. the Option-II, we would request IGGL to explicitly spell out at how many / what all locations/consumer points, Hydrogen blending arrangement is envisaged, as the same will have a direct bearing on our fee for the assignment. Without these	Consumer points will be like: i. Refinery ii. Power iii. City Gas Distribution iv. LPG Extraction Unit v. Fertilizer v. Others – One Common Point Details of consumers with whom HOA/MoU executed / likely to be executed attached as Annexure-1 However, in OPTION-II, Scope of study w.r.t.

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							details it may not be possible to correctly assess the quantum of effort and hence fee.	consumer point "City Gas Distribution (CGD)" at Guwahati and Silchar only.
9.	VI	136	2.0 (6)	Power Supply	Please confirm the source of Green Power. Whether the renewable power will be purchased from the grid or a Captive renewable power plant is proposed for Hydrogen Generation plant.	It is proposed to install electrolyzer for generation of green hydrogen. - Renewable energy will be used for electrolyzer - It will not be available from grid.	Meaning conveyed by the reply to the query is that a captive renewable power plant would need to be set up at each of the consumer locations where Hydrogen Generation and Blending is to be provided. This would very significantly increase the scope under the present assignment, for the reason that setting up of a Captive Green Power plant would be an equivalent & parallel exercise. IGGL may like to reconsider their reply as conventionally for such requirements	Scope of study is to suggest suitable option for availability of renewable power for generation of green hydrogen.

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							Green Power is taken from the Grid itself using a Power Purchase Agreement with Green Power source	
10.	VI	137	3	Completion Period	Completion period shall be segregated for Draft Report and Final Report. Suggested Time schedule: - Draft Report to be submitted within 10 weeks from date of receipt of inputs from IGGL. - Final report to be submitted within 15 days of receipt of final comments on the Draft Report.	Tender Conditions prevail	IGGL may reconsider this in view of the fact that complete clarity of SCOPE is not available and exact number of consumers under Option-II is not known. Time Schedule for Draft Report has to be reckoned from the date of receipt of all necessary inputs from client	Tender condition prevailed.

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Query raised by M/s RINA								
Sl. No.	Section	Clause No.	Page No.	Description	Bidders queries	IGGL's Reply	RINA Queries (dated 16.06.2022)	IGGL's Reply
1.	SECTION-VI	SOW	136	(b) Compatibility Study for Green Hydrogen Generation Plant and Hydrogen blending Plant near the consumer point without transporting Green Hydrogen blending Natural Gas throughout NEGG pipeline section.	<p>Q. Could you please clarify what do you mean by 'consumer point'?</p> <p>1) Is this a point of interconnection between NEGG pipeline and a CGD network OR something else ?</p> <p>2) In case if this is point of interconnection between NEGG pipeline and a CGD network –</p> <p>(a) How many such consumer point to be considered in the Compatibility study.</p> <p>(b) Please provide the details of CGD networks (including length and other details) to be considered for the Compatibility Study.</p> <p>(c) Is for each such consumer point there will be separate Green Hydrogen Generation Plant to be considered.</p> <p>Note: In this case (S.No. 2 above) Compatibility study for Green Hydrogen blending with Natural Gas is to be done for each associated CGD network to estimate capacity of associated Green Hydrogen Generation Plant.</p>	<p>Consumer points will be like:</p> <ul style="list-style-type: none"> i. Refinery ii. Power iii. City Gas Distribution iv. LPG Extraction Unit v. Fertilizer v. Others – One Common Point <p>Details of consumers with whom HOA/MoU executed / likely to be executed attached as Annexure-1</p>	<p>Q. Could you please confirm whether for each such consumer point there will be separate Green Hydrogen Generation Plant ?</p>	<p>Consumer points to be considered for study is only "City Gas Distribution" (CGD) located at Guwahati and Silchar.</p>

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2.	SECTION-VI	SOW	136	<p>(a) Compatibility Study for Green Hydrogen Generation Plant & Hydrogen Blending Plant near Compressor Station at Baihata (Guwahati) to transport Green Hydrogen blending Natural Gas throughout the NEGG pipeline section (1656 Km).</p> <p>(b) Compatibility Study for Green Hydrogen Generation Plant and Hydrogen blending Plant near the consumer point without transporting Green Hydrogen blending Natural Gas throughout NEGG pipeline section.</p>	<p>Q. Since these compatibility studies are to be done for -</p> <p>a) NEGG pipeline section (1656 km) and b) Consumer points</p> <p>request if you can issue/ allow to have separate Reports, Time line and payment terms for 'a' & 'b'.</p>	<p>It is a single job and no separate timelines/ reports and payment terms will be considered in respect of a) and b) of the query.</p>	-	-
3.	SECTION-VI	3.0 Completion Period:	137	<p>3 (Three) Months from the date of issue of FOA/LOA.</p>	<p>Q. Request to have a separate time line for compatibility study for 'NEGG pipeline section (1656 km)' and 'Consumer points'.</p> <p>Q. Request to revise the timeline in proportion to the number of Consumer Point to be considered in Compatibility Study.</p>	<p>It is a single job and no separate timelines will be considered.</p> <p>No revision in timeline can be considered.</p>	-	-

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4.	SECTION-VI	4.0 Payment Terms:	138	<p>(i) 30% Payment after submission of Draft Report.</p> <p>(ii) Balance 70% after submission of Final Report</p>	<p>Q. Request to have some advance (may be against Bank Guarantee) to have positive cash flow for the assignment for the Consultant.</p> <p>Q. Since major of the work generally completed at Draft Report stage, we request to revise the payment terms as follows-</p> <p>(i) 10% advance (may be against Bank Guarantee)</p> <p>(ii) 70% Payment after submission of Draft Report.</p> <p>(ii)Balance 20% after submission of Final Report</p> <p>Q. Request to have a seprate payment terms for compatibility stuy for 'NEGG pipeline section (1656 km)' and 'Consumer points'.</p>	Refer Corrigendum no. 01	-	-
5.	SECTION-I	2.0 The brief details of the tender are as under: (I) DUE DATE & TIME OF BID-SUBMISSION	5	Date : 23.06.2022 Time : 14:00 HRS.	-	-	Q. On receipt of clarification, we find that multiple Consumer Points to be considered in the study. To enable us to work out a suitable methodology to address the related requirements, we need to do some initial/ preliminary assessment to arrive on our final	Consumer points to be considered for study is only "City Gas Distribution" (CGD) located at Guwahati and Silchar.

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							efforts for pricing. In light of the same, we request to kindly provide at least two weeks extension (in bid submission date) to enable us to work out and submit the comprehensive techno-commercial proposal	
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