

**CORRIGENDUM- B: CLARIFICATION TO PRE-BID QUERIES**

**Tender No. CME/Circle Office/1963/MHFC/2025.**

**Name of Work: "Design, Supply, Installation, Integration, Testing & Commissioning of Metal Hydride technology based Green Hydrogen Storage System and Fuel Cell based Power Generation for Port Applications at Deendayal Port Authority, Kandla".**

**Pre-bid Meeting: 05-01-2026 at 15:30 Hrs. in the Board Room at A.O. Building, Gandhidham.**

Sr. No.	Section No.	Page No.	Clause No.	Tender Condition	Prospective Bidder's Query	Clarification
1	IV	46	2	The contractor is advised to inspect & survey the site for assessment and clear understanding for the requirements. DPA will not entertain any claims in the regard. The contractor shall design the System/Plant/Equipment/Services after due considering the climatic conditions and saline environment prevailing at Deendayal Port site.	Please clarify the ambient and operating temperature range, humidity, salinity, highest rainfall, seismic zone category of the site place.	Site inspection & survey is in the scope of contractor.
2	IV	46	3	The broad scope of work for "Design, Supply, Installation, Integration, ... .. safety standards, norms and regulations etc.	Is it mandatory to place the allied equipments, Pressure regulation system, H2 purification & filtration units in the same container with the MH storage and Fuel Cell?	Complete system is required in a containerized form to make it portable and mobile as plug & play, in charged condition also.
	IV	46	5	The contractor shall design and provide the complete Metal Hydride technology based Green Hydrogen Storage System ... .. The containerized system shall be portable as plug & play type compatible to shift the complete Metal Hydrate and Fuel cell system together for demonstration at any other location after charging the Metal Hydride.	Kindly confirm if there is any preferred dimension range for the for the plug & play type containerized system?  Please clarify if DPA is meaning to transport of the Metal Hydride storage and Fuel cell system in charged condition?	
3	IV	47	6	The Metal Hydride based storage system shall be compatible with the green hydrogen generated by the existing 1 MW Green Hydrogen generation plant at Oil Jetty no.-7 at Kandla, Gujarat. Hydrogen system shall be compatible to use the available quantity and quality at site and contractor is advised to visit the site and access the availability of Hydrogen at site. The system shall have longer durability, compact, modularity, continuous pressure at outlet, ease of transportation & utilization, safe operation, portability.	Please provide us with the following parameters for the existing 1 MW Green Hydrogen generation plant at Oil Jetty no.-7 at Kandla, Gujarat? 1. Purity of the hydrogen generated 2. Pressure range of the generated hydrogen which will be the input of the demanded plug play system? 3. Maximal flowrate of hydrogen input to the demanded plug and play system.	Kindly refer tender document and site visit for detailing.
	III	43	6.3	Hydrogen Gas shall be provided by DPA up to storage cascade at 1 MW plant site at Kandla and for reference to the contractor the indicative data available for Green Hydrogen produced up to 30 bar having purity of about 99.9% with oxygen content up to	Since the Metal Hydride storage is a very small one of 3Kgs, are we correct to understand that the contractor will be using only a small part of the generated hydrogen from the plant?	

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	IV	46	3	100 ppm and water vapour up to 900 to 1000 ppm respectively.  The broad scope of work for “Design, Supply, Installation, Integration, Testing & Commissioning of Metal Hydride technology based Green Hydrogen Storage System ... .. safety standards, norms and regulations etc.	Please clarify if only one port is required for hydrogen supply to the plug and play system. This single port will be used to both supply/recover hydrogen.	Design is in the scope of contractor; however, separate lines shall be required.
4	IV	47	7	The output power shall be compatible with single & 3-phase both at output power for various use of DPA e.g. EV charging, High mast light, street lighting etc. Contractor shall provide at least one no. of EV charging facility for one four wheeler & one for two wheelers at site at suitable location with safety & control equipments.	Will there be simultaneous requirement of 1Ph and 3Ph power?	Yes.
	IV	46	5	... The containerized system shall be portable as plug & play type compatible to shift the complete Metal Hydrate and Fuel cell system together for demonstration at any other location after charging the Metal Hydride.	Kindly clarify the features and ratings of the EV charging facilities to be provided by the contractor.	Charging sockets of suitable capacity along with necessary safety gears for min. one no. for 3 phase and 3 nos. for single phase (EV charging) shall be provided with container system.
	V	50	BOQ Item No. 2 of Part-A	Supply of continuous power Fuel Cell of suitable capacity to generate single & three phase power output of minimum 4 kW, ... ... complete in all respect as per scope of work.	Since the EV charging facility is not a part of the storage or the fuel cell based power unit, in the cost of the same shall be included in which section of the BOQ price schedule?	As above.
5	IV	48	14	The metals used in the Metal Hydride shall be available in India. Land border clause mentioned under Section-III, clause no. 14 shall also be applicable for the materials used in this Metal Hydride technology. Same shall be mentioned in the Form-9 of Section-VII of this tender document.	Kindly clarify if the material needs to be sourced from India only.  Can the MH material be sourced from countries not sharing a land border with India?	Kindly refer clause no. 14 of Section-IV (SoW) of tender document.
6		13	6	Joint Venture (Not Applicable)	Participation in Consortium with companies from countries not sharing land border with India.	JV/Consortium is not applicable.
	Corrigendum-A	1	A4	... (a) Similar works means “Design, Supply, Installation, Testing	Since Metal Hydride storage and Fuel cell technology	Tender condition holds

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				& Commissioning of Metal Hydride Technology based Hydrogen Storage System and Fuel Cell based Power Generation system."...	is very new concept in India, can we qualify based on the past performance of our Foreign Consortium Partners for Metal Hydride storage & Fuel cell power unit.	good.
7	Corrigen dum-A	1	A4	Qualifying Criteria: ... (b) Possessing Patent License directly or possessing rights to use the patented technology in India as sole company for Metal Hydride Technology & Fuel cell based power generation technology. ...	Can the "sole company" requirement from this clause be removed? The IP provider can, at best, issue a notarized copy to the contractor providing rights to use the patented technology in India.	Tender condition holds good.
	Corrigen dum-A	1	A4	Supporting Documents: ... (b) Notarized copy of Patent License directly or possessing rights to use the patented technology in India as sole company for Metal Hydride Technology & Fuel cell-based power generation technology.		
8	NIT & I	5 & 11	PQC & 4.1, Sr. No. 3	<b>3. Tax certificates requirements:</b> (i) In case the similar work has been executed for any private body, the bidder will be required to produce the tax deducted at source (TDS) certificate indicating the income tax deducted by the client for that work, which will form the basis for assessing the value of completed work. (ii) The particular row in the TDS certificate (Form 16A or Form 26AS), which indicates the credit of the payment received from the client for the work, should be highlighted. (iii) Along with the TDS certificate, a declaration on the letter head of a Chartered Accountant should be submitted giving details such as the name of bidder, the name of the client for which the bidder has carried out the work, name of work, work order no. and date, gross amount of the payment, net amount received from the client, TDS amount. The statement should be certified and signed by the Chartered Accountant with UDIN.	In case of Participation in Consortium with companies from countries not sharing land border with India, the foreign consortium partner cannot provide TDS certificates for similar works executed. In that case, please consider if a CA certificate as mentioned in point no. (III) will be sufficient for qualification as per the clause.	JV/Consortium is not applicable.  However, in case of foreign credentials of bidder, in place of TDS, CA certificates (UDIN) with details need to be submitted along with equivalent INR value.

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9	I	19	28	<b>Award Criteria</b> The employer ... .. Tender. The employer, if so required, reserves the right to: a) Split the work and award the work in Favour of more than one contractor, b) Award the work separately as supply, execution, Operation & Maintenance/ Operation/ Maintenance as applicable.	Please confirm if there be any split clause applicable for this tender.	Split clause is not applicable in this tender.
10	Corrigendum-A	1	A4	Qualifying Criteria: ... (b) Possessing Patent License directly or possessing rights to use the patented technology in India as sole company for Metal Hydride Technology & Fuel cell based power generation technology. ...	Whether a bidder holding an exclusive technology license / authorization agreement for India from the patent owner (OEM)-where the patent is registered outside India will be considered compliant with this requirement.	Kindly refer Tender documents.
11	Corrigendum-A	1	A4	... (a) Similar works means "Design, Supply, Installation, Testing & Commissioning of Metal Hydride Technology based Hydrogen Storage System and Fuel Cell based Power Generation system."...	Whether execution of hydrogen storage systems and fuel-cell power generation systems implemented as integrated or partially integrated projects, though not titled exactly as "metal hydride technology", will be considered as similar work, subject to technical evaluation.	Tender condition holds good.
12	I	13	6	Joint Venture (Not Applicable)	Whether a single bidder is permitted to engage technology OEMs or system suppliers on a back- to-back basis, while the bidder remains solely responsible for execution, performance, O&M and contractual obligations to Deendayal Port Authority.	No.
13	NIT & I	4, 10	PQC & 4.1 (1)	1. Financial Capability: The average annual financial turnover of the Bidder over the past three years ending 31 <sup>st</sup> March of previous Financial Year (FY 2022-23, FY 2023-24, FY 2024-25) should not be less than ₹97,65,672.00 Certified by Chartered Accountant on their letter head with UDIN. Note: Pre-qualification criteria for Financial Capability shall be exempted for Startups subject to production of recognition	Kindly clarify whether the startup exemption is applicable only to financial turnover criteria or whether any relaxation is also applicable to similar work experience requirements	Kindly refer tender document and Corrigendum.

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	Corrigendum-A	1	A4	certificate for Startup issued by DPIIT of Ministry of Commerce & Industry, Govt. of India. ... (a) Similar works means "Design, Supply, Installation, Testing & Commissioning of Metal Hydride Technology based Hydrogen Storage System and Fuel Cell based Power Generation system." ... (b) Possessing Patent License directly or possessing rights to use the patented technology in India as sole company for Metal Hydride Technology & Fuel cell based power generation technology. ... (a) & (b), above individually or combinedly.		
14	NIT & I	5 & 12	PQC & 4.1 (4)	<u>Site Visit Certificate:</u> The Bidder shall visit the site and acquaint themselves of the prevailing local conditions before submitting their bid and must submit the site visit certificate as per Form - 7 (The bidder who has not physically visited the site and not uploaded the Form - 7, their bid shall be declared technically disqualified.)	Whether the site visit conducted by a duly authorized representative of the bidder (instead of senior management) will be considered acceptable, subject to submission of proper authorization letter.	Kindly refer the Form-7 (Evidence towards Site Visit).
15	III  IV  IV  IV	43  47  48  49	13.1  13  21  23	... Operation & maintenance service shall be consisted of 2 years including one year of operation service during the defect liability period and one year of comprehensive operation and maintenance service.  Contractor at site at their cost, shall arrange for all the consumables, tools & tackles, equipment, materials, manpower, ... ... including operation during defect liability period & O&M period with extensions, if any. ...  It is the responsibility of the contractor of ensuring the timely calibration of all instruments, ... after sales service for minimum of 10 years towards this demonstration system.	Kindly clarify whether O&M scope includes replacement of consumables, metal hydride material degradation, and fuel-cell stack replacement, or is limited to routine operation, monitoring and preventive maintenance only.	Operation & Maintenance is comprehensive and the contractor shall be responsible for maintaining the plant operational in all respect as per the tender conditions.

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				The contractor shall provide list of consumables & spares ... ... and acceptable to the contractor.		
16	III	41	5.1	The defect liability period shall be 12 months with effect from the date of acceptance of the work by DPA, after successful completion, commissioning and Performance Guarantee Test of the system. Contractor shall rectify the defects as and when observed by the contractor/DPA/TPIA without any cost to DPA.	Whether OEM-specific warranty terms for critical components will be acceptable if they differ from general EPC warranty clauses, provided overall system performance is guaranteed	Tender condition holds good.
17	I	18	E	BID OPENING AND EVALUATION. 24 Bid Opening ... ... 27.3 ... the bill of quantities.	Please confirm that only technically qualified bidders shall have their financial bids opened and that the award will be based on L1 (lowest evaluated bidder) without any additional technical weightage.	Kindly refer Tender condition.
	I	19	28	Award Criteria: The employer will award the work to the bidder whose bid has been evaluated to be techno – commercially responsive and the lowest evaluated total amount of BOQ subject to submission of agreement and performance security and other terms & conditions of Tender.		
18	NIT	4	-	Estimated Contract Value (INR): Rs. 3,25,52,239/-	<u>Tender Clause Refer:</u> Estimated cost (INR) of Project is Rs.3,25,52,239/- <u>Observation:</u> The Estimated cost of project is low as per scope of work written in the project. <u>Change required:</u> The Bidder is allowed to bid price (plus or minus) of estimated price as per his cost.	Kindly refer tender document.
	I	15	13	Bid Prices: 13.1 The rates and prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. 13.2 The prices shall be quoted inclusive ... ... as per the applicable laws.		
19	I	21	35	Time Schedule: The work shall be completed within 06 (six) months from the date of work order. Operation & Maintenance service shall be for the period of 02 years after commissioning.	<u>Tender Clause Refer:</u> Time Schedule. <u>Observation:</u> The 06 month of Project schedule is less as per scope of work. <u>Change required:</u> The work shall be completed within 08 (eight) months from the date of Order.	Tender condition holds good.

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20	III	43	6.3	Hydrogen Gas shall be provided by DPA up to storage cascade at 1 MW plant site at Kandla and for reference to the contractor the indicative data available for Green Hydrogen produced up to 30 bar having purity of about 99.9% with oxygen content up to 100 ppm and water vapour up to 900 to 1000 ppm respectively.	Brief details of the existing green hydrogen generation system to be interfaced.	Kindly refer tender document along with site visit requirement.
21	IV IV	47 47	11 7	The contractor shall submit the following parameters: (A) Fuel Cell: (i) Type: The output power shall be compatible with single & 3-phase both at output power for various use of DPA e.g. EV charging, High mast light, street lighting etc. Contractor shall provide at least one no. of EV charging facility for one four wheeler & one for two wheelers at site at suitable location with safety & control equipment.	Preferred fuel cell type (PEMFC or others) and grid connection requirements.	Complete design is in the scope of the contractor, kindly refer tender document.
22	IV IV	46 47	3 11	The broad scope of work for "Design, Supply, Installation, Integration, Testing & Commissioning of Metal Hydride technology based Green Hydrogen Storage System ... .. safety standards, norms and regulations etc. The contractor shall submit the following parameters: (B) Metal Hydride Technology based Hydrogen Storage System: (II) Storage Pressure: (III) Refilling Rate, Pressure & Temperature: (IV) Discharge Rate, Pressure & Temperature: (VI) Life Cycle:	Operating conditions for the metal hydride storage system (pressure, temperature, and duty cycle).	Complete design is in the scope of the contractor, kindly refer tender document along with site visit requirement.