

Party/Entity (1/4)	NATIONAL PEROXIDE LIMITED Registered Office & Head Office: Neville House, J. N. Heredia Marg, Ballard Estate, Mumbai 400001 Web: www.naperol.com, Email: npl@naperol.com, Tel: 91-22-6662 0000	
Contact person	suresh.mane@naperol.com	
Topic	Query	Reply /Clarification
1. Hydrogen Supply Pressure and Logistics	As mentioned under Clause 3.5 of the EOI, the proposed hydrogen supply pressure is approximately 20 kg/cm ² . Kindly clarify the proposed mode of hydrogen transportation and delivery. In case hydrogen is supplied through tube trailers/trolleys, a supply pressure of 20 kg/cm ² would result in a significantly higher number of trailer movements. To optimize logistics and transportation efficiency, we would prefer hydrogen to be supplied at a minimum pressure of 200 kg/cm ² . Please advise on the feasibility of the same.	As intended in EOI Party/Entity may arrange Setup /facility for transportation of their own , However GAIL shall evaluate the consolidated requirement as the response to this EOI and can be further deliberated considering techno-commercial aspects .
2. Oxygen Content in Hydrogen	The EOI specifies oxygen content as 81 ppmv maximum / report basis. For our manufacturing process, the acceptable oxygen content is Nil (Zero) ppm. Kindly confirm whether hydrogen meeting this specification can be made available.	Oxygen content as per EOI specification . The applicant's requirement for quality, may be deliberated and additional CAPEX required may be considered subject to technical feasibility, business prudence, and mutually agreed commercial terms.
3. Land Requirement	As indicated in Annexure-II, we would like to understand whether GAIL can facilitate land for setting up our proposed facility within or adjacent to the PDH-PP Usar complex. If such an arrangement is possible, our estimated land requirement would be approximately 20 acres.	Additional land/area requirement can be deliberated based on availability on mutual agreement.
4. Hydrogen Supply Through Pipeline	In the event land is made available in the vicinity of the GAIL facility, kindly confirm whether hydrogen can be supplied directly through a dedicated pipeline connection.	At present guideline/stds are available for Cross country pipeline laying however further deliberation can be made on mode of transport based on application.
5. Reliability and Continuity of Supply	Please clarify whether hydrogen supply would be available on a 24x7 uninterrupted basis throughout the year, irrespective of whether the mode of delivery is through pipeline or tube trailers.	To ensure reliability , GAIL is maintaining high stds for PDH-PP plant under construction ,less likely to have supply interruption .However any interruption due to planned /required shutdown can be synchronised with Applicants proposed setup to minimize effect.
6. Expected Supply Commencement	Kindly confirm the planned commercial supply commencement date for hydrogen from the Usar PDH-PP project.	Current Plan Date of commissioning is Dec'27 , However any change in mentioned date is subjected to prevailing EOI condition
7. Contract Tenure	Please advise the minimum and maximum contract period that GAIL envisages for hydrogen offtake arrangements.	Party/Entity to mention planning at their end , GAIL can deliver on long term basis on mutual agreement .

Party/Entity (2/4)	Hydrovolt Energy	
	Karan Goyal	
Contact person	Co-founder, Hydrovolt Energy +91-9503520213	karan@hydrovoltenergy.com
Topic	Query	Reply /Clarification
Co2 Availability	Is there any CO2 available for offtake from the GAIL facility?	CO2 is available in Boiler flue gas , suitability can be worked out based on detail requirement/EOI proposal
Power	What shall be the power tariff if power is taken from GAIL?	Power demand of Usar PDH-PP is met through grid supply of Maharashtra State Electricity Transmission Company Limited. Based on Power requirement of applicant, matter can be further deliberated mutually.
Vol. Commitment	Is there a minimum volume commitment required, or is offtake flexible within the maximum capacity?	Party/Entity can offtake Fully or Partially as per EOI.
Criteria of deciding on the allocation	What shall be the criteria of deciding on the allocation if the total EOI response capacity to offtake Hydrogen is greater than 74 TPD of Hydrogen?	Allocation can be made based on suitability and business prudence to GAIL , limited to throughput of H2 i.e. ~74 TPD.
Compression and Bottling	If multiple bidders were to offtake Hydrogen via cylinders/tube trailers, Will GAIL build a compression and bottling facility common for all bidders, or is each bidder to build their own filling unit?	Based on final response /business prudence same can be deliberated further, during finalization .
Land Availability	If land is needed at/near GAIL's Usar site for a downstream unit (e.g., an electrolyser-adjacent process or hydrogenation plant), what's the availability, size, lease terms, and indicative cost?	Additional land/area requirement can be deliberated based on availability on mutual agreement.

Party/Entity (3/4)	Super Spares & Services	
Contact person	Aditya Gokhale	aditya@super-spares.com
Topic	Query	Reply /Clarification
Purity H2	The EOI specifies hydrogen purity of 99.9%. However, the majority of current industrial hydrogen applications require a purity of 99.99%, with oxygen content typically limited to 10 ppm or below. This specification is widely accepted across end users and is presently available from chlor-alkali based BYPRODUCT hydrogen producers at competitive rates. In this regard, we would like to understand whether GAIL proposes to install a PSA or any other purification system to upgrade the hydrogen quality to 99.99% purity, thereby making the product suitable for a broader range of industrial and mobility applications.	The Hydrogen is being offered is from existing PSA Unit of PDH plant, However, Specification of available Hydrogen is as per EOI. The applicant's requirement for quality, may be deliberated and additional CAPEX required may be considered subject to technical feasibility, business prudence, and mutually agreed commercial terms.
Compression and Refilling Infrastructure	As understood, hydrogen would need to be compressed from approximately 20 bar to 200/350 bar for transportation and cylinder cascade filling. We request clarification on the following: Will GAIL provide and operate the hydrogen compressor facilities? Will refilling infrastructure be made available at the site, or is it expected to be established by the offtake? We estimate a requirement of approximately 2,000 square meters for hydrogen cascade truck loading, cylinder filling, storage, and associated logistics operations. Kindly confirm the availability of such area or the possible arrangement thereof.	As intended in EOI Party/Entity may arrange Setup /facility for transportation of their own , However GAIL shall evaluate the consolidated requirement as the response to this EOI and can be further deliberated considering techno-commercial aspects .

Party/Entity (4/4)	h2e Power Systems Pvt Ltd	
Contact person	Ganesh Savale ,VP-Sales &Marketing	Ganesh.Savale@h2e.energy
Topic	Query	Reply /Clarification
Purity H2	Sulphur content.	nil(H ₂ S)
	H2O .	nil
	CO2 content..	nil
Utilities	As mentioned, utilities and Land will be on chargeable basis - We required hydrogen at a 200 bar pressure so that it can be shifted to our desired location i.e. Mangaon.	As intended in EOI Party/Entity may arrange Setup /facility for transportation of their own , However GAIL shall evaluate the consolidated requirement as the response to this EOI and can be further deliberated considering techno-commercial aspects .
Delivery	Confirm Daily waiting period time of hydrogen vehicle for picking hydrogen from GAIL location.	
Agreement	What type of arrangement will be done by GAIL to lift 18 Ton per Day.	