

CALL FOR PROPOSALS FOR rDME PRODUCTION IN INDIA

1. Who are Futuria Fuels?

Futuria Fuels is a dedicated business unit of SHV Energy with the mission to enable innovations that accelerate the development and availability of sustainable fuels. Through collaborations, partnerships, and investments, Futuria fuels aims to make this happen.

To know more about Futuria fuels, please visit <https://www.futuriafuels.com>

To know more about SHV Energy, please visit <https://www.shvenergy.com/>

2. What is rDME (Renewable & Recycled Carbon Dimethyl Ether)?

rDME is a liquid gas similar to LPG that is produced from renewable and recycled feedstock. It's currently possible to produce rDME using a variety of renewable and recycled carbon feedstock with existing technologies.

rDME can be blended with LPG, bioLPG or used on its own, unblended. This enables equipment which can be powered by LPG to work, with little to no modification, with the blend.

For more information on rDME, please visit our website [Futuria Fuels | Sustainable Energy Solutions](#)

3. Do you have any presence in India?

Yes, SHV Energy operates in India with the brand name SUPERGAS since 1996, which is an active player in LPG services. With pan-India presence, SUPERGAS has 7 imports terminal, 4 depots and 20 filling plants.

For more information on SUPERGAS, visit [SUPERGAS – LPG for Home, Hotels, Industry and Vehicles](#)

4. How much funding will be provided?

The proposal that wins will receive a maximum of INR 2 crores in funding to conduct the proposed pre-feasibility study. Funding will be in phases based on the milestone achieved which will be discussed during the semi-final round.

5. Who can submit the proposals?

Any interested party having sufficient understanding of rDME value chain, the individual process steps and technologies to achieve an integrated process are invited. However, expressions of interest covering part of rDME production processes and consortia of multiple parties are also welcome.

6. How can I submit the proposal?

You can send your proposal containing all the relevant information (as detailed in Proposal content structure) to Bindu Lathwal (b.lathwal@shvenergy.com)

7. **What are the TRL (Technology Readiness Levels) requirements?**

We are looking for TRL 5 – 9, for more details please see our detailed requirement document and below TRL reference table.

TRL reference table:

TRL	European Commission definition	Technology stage name
TRL 1	Basic principles observed	Discovery
TRL 2	Technology concept formulated	
TRL 3	Experimental proof of concept	
TRL 4	Technology validated in lab	Optimization
TRL 5	Technology validated in relevant environment	Piloting
TRL 6	Technology demonstrated in relevant environment	Demonstration
TRL 7	System prototype demonstration in operational environment	First Of a Kind
TRL 8	System complete and qualified	
TRL 9	Actual system proven in operational environment	Commercial

8. **How will Futuria Fuels work with the winning party and which kind of support would be provided?**

Futuria Fuels works with multiple academic and technology partners around the world to turn science into affordable operations. We are collaborating to build facilities and begin the process of scaling up the production of bioLPG and alternative fuels such as rDME and hydrogen.

So, apart from providing funding for trials, Futuria Fuels has the intention to closely work with the winning party in collaboration to take their existing technologies and concepts to further develop a rDME commercial production unit.

9. **How will the winner be approached?**

Semi-finalist and winner will be individually approached and informed. Please see timelines for exact dates.