

INVITATION FOR EOI
CBG TESTING FACILITY
(BIDDING DOCUMENT NO.: 2400016763-HC-09550)



HINDUSTAN PETROLEUM CORPORATION LIMITED

NOTICE

for

EXPRESSION OF INTEREST (EOI)

CBG TESTING FACILITY

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HP GREEN R&D CENTRE
DEVANAGONTHI, BENGALURU

(BIDDING DOCUMENT NO.: 2400016763-HC-09550)

(Domestic Expression of Interest)

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1.0. INTRODUCTION:

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Hindustan Petroleum Corporation Limited (HPCL) is proposing to set up a testing facility of lignocellulosic biomass pre-treatment technology for production of biogas.

HPCL's HP Green R&D Centre (HPGRDC), Bengaluru has developed a technology HP-RAMP (**R**apid **A**cidification for **M**ethane **P**roduction) for production of biogas from lignocellulosic biomass. A pilot plant based on this patented technology is running in HPGRDC based on this technology. Several commercial plants, based on this technology, are in various stages of development.

The technology comprises of pre-treatment of lignocellulosic biomass, such as rice straw, wheat straw, corn stover, garden waste, etc., to improve its biodegradation to biogas as well as novel digester design and a VPSA system for purification of the biogas. HPCL is proposing to set up a scale up facility of the pre-treatment section as a testing facility.

In this regard, Expression of Interest (EOI) from prospective companies having relevant facilities is requested.

2.0. SCOPE OF WORK:

- 2.1. The interested company shall have following facilities available:
 - a. A biogas plant operating partly or entirely with lignocellulosic biomass as feedstock.
The production capacity of the plant should be up to 2 TPD.
 - b. Space of 20 m X 20 m to set up the pre-treatment facility
 - c. Hot water (up to 60^oC) (Optional)
- 2.2. HPCL shall set up the pre-treatment facility comprising of pre-treatment reactor, chemical tanks, pumps and accessories at HPCL's expense. HPCL shall supply the chemicals required for the duration of operation.
- 2.3. Power and other utilities shall be provided by the interested company

The detailed bidding document with contact details can be viewed and downloaded from HPCL's website: <http://www.hindustanpetroleum.com> & <https://etender.hpcl.co.in/> or from Govt. website: <http://eprocure.gov.in/cppp>.

All amendments, time extension, clarifications etc. (if any), will be uploaded in the websites only and will not be published in newspapers. Bidders should regularly visit the above websites to keep

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themselves updated. Interested Bidders to submit the Bid as per bidding document on or before the Due Date & Time.