



HINDUSTAN PETROLEUM CORPORATION LIMITED
HP GREEN R&D CENTRE
DEVANAGONTHI, BENGALURU

NOTICE FOR INVITATION
FOR
FEED ACTIVITY FOR CATALYST SCALE UP (CAAS)
(BIDDING DOCUMENT NO.: 2400012283-HD-09550)
(Domestic Competitive Bidding)



**INVITATION FOR BIDS FOR
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1.0. INTRODUCTION:

- i. M/s. Hindustan Petroleum Corporation Limited (HPCL), a Maharatna Public Sector Undertaking, involved in Refining, Marketing and Distribution of Petroleum products has established a world class Research & Development (R&D) Centre with State of the Art Research & Development facilities at Bengaluru. HPCL intends to install and operate a Feed Activity for Catalyst Scale Up (CAAS) at its R&D center for various research studies.
- ii. HPCL invites bids through e-tendering on Domestic Competitive Bidding basis for **Feed Activity for Catalyst Scale Up (CAAS)** at HPGRDC from experienced and competent agencies with sound technical and financial capabilities fulfilling the Bidders' Pre-Qualification Criteria (PQC).
- iii. The selection of Agency for Feed Activity for Catalyst Scale Up (CAAS) shall be carried out and bids to be submitted as following:
 - Part 1: Pre-Qualification Bid
 - Part 2: Techno-Commercial bid &
 - Part 3: Priced bid

2.0. BRIEF SCOPE OF JOB:

It is proposed to set up a 1 MT/day capacity FCC catalyst & additive scale up facility at HP Green R&D Centre (HPGRDC). For this, it is planned to do FEED activity along with cost estimate (+/- 10% accuracy) with consideration of required adequacy check and integration of offsite and utility systems with the available facilities existing in proximity at HPGRDC. The major activities to be carried out as follows but not limited to:

- i. Front End Engineering Design (FEED) for the integrated CAAS facility.
- ii. Cost estimate with +/- 10% accuracy for the project.
- iii. Adequacy check and integration of offsite and utility systems for utilization in the proposed scale up facility.

Scope of work:

HPCL has planned to carry out FEED to prepare a comprehensive and detailed package and to obtain a cost estimate with $\pm 10\%$ accuracy. FEED Package will include the requirements to be met by construction contractor with respect to codes/ specifications, critical documents requiring review, recommended vendor list, Inspection & testing, HSE and QA plans (laboratory and testing requirement), etc.

1. HPCL shall provide BEDP to FEED consultant. BEDP will have following information:

- a. Plot plan
 - b. Equipment layout
 - c. Process description
 - d. Stream summary
 - e. Process Flow Diagrams
 - f. Equipment list
 - g. Process & Utility Piping and Instrumentation Diagrams
 - h. Effluent and vent load summary
 - i. Utility summary
 - j. Process specifications
 - k. Process datasheets
 - l. Line list
2. HPCL shall provide necessary technical inputs for process and equipment as and when required during the execution of the job scope.
 3. Consultant to check and add any additional technical information in the process datasheet to enable for getting proper cost estimate. Note: all the process datasheets to be reviewed and reworked with existing utilities/facilities
 4. Consultant to update utility summary including effluent & vent gas summary.
 5. Consultant to carry out dimensioned layout for all equipment, piping, buildings, utilities, green belt and other facilities as per statutory guidelines.
 6. The documents prepared during FEED shall be exhaustive in nature. A consolidated comprehensive engineering package is to be prepared. In case of nil change to any document, same shall also be submitted in final package (indicating nil change). This final package shall be used for cost estimate and later for construction and commissioning.
 7. Consultant shall submit soft copies of documents for review by HPCL. Upon incorporating comments from HPCL, final documents shall be submitted by consultant for approval by HPCL.

For detailed technical specification, Scope of work refer attachments in this tender.

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