



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

NOTICE FOR INVITATION

Supply of NTO Pilot Plant

(BIDDING DOCUMENT NO.: 21000069-HD-10155/PKK)

(Domestic Competitive Bidding)



INVITATION FOR BIDS FOR **Supply of NTO Pilot Plant**

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1.0 INTRODUCTION

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- 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 R&D facilities at Bengaluru. HPCL intends to setup a Naphtha to Olefins pilot plant of 0.5 Kg/h feed capacity at its HP Green R&D Centre, Bengaluru with an agency having proven expertise and capability.
- ii. HPCL invites bids from experienced and competent DOMESTIC vendors with sound technical and financial capabilities fulfilling the Bidders' Pre-Qualification Criteria (PQC).
- iii. The selection of Agency for Supply of NTO Pilot Plant Cost 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:

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- i. Vendor will require to enter into a Non-Disclosure Agreement (NDA) with HPCL to know further technical details other than mentioned in technical specifications section.
- ii. Design, engineering and submission of Basic Engineering Design Package (BEDP) for NTO pilot plant basis on the technical specifications provided by HPCL.
- iii. Design review meeting and approval of BEDP by HPCL. This includes HAZOP studies on NTO pilot plant and implementation of HAZOP study recommendations
- iv. Pressure balance of the Reactor-Regenerator section
- v. Stress analysis of Regenerator-Reactor section along with interconnecting lines and provision of necessary supports.
- vi. Manufacturing, procurement of materials and bought out components, fabrication and assembly, inspection, testing at manufacturer's workshop, painting, insulation, packing, transport to HPGRDC site, supply of all commissioning spares, mandatory spares, special tools and documentation as per the tender document.

- vii. Factory acceptance test (FAT), including demonstration of design circulation rate at vendor's location once the fabrication is completed.
- viii. Supply of NTO Pilot Plant at HPGRDC, Bengaluru within 10 months from the date of approval of BEDP by HPCL.
- ix. Installation and commissioning of NTO Pilot Plant at HP Green R&D Centre Bengaluru. Successful demonstration of pilot plant operation by conducting performance guarantee test runs with mass balance accuracy of 100+/-5%. Providing training on pilot plant operation.

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.