



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

**NOTICE FOR INVITATION
FOR
TG-IR-GC/MS**

(BIDDING DOCUMENT NO.: 19000113-HD-10155/PKK)

(Global Competitive Bidding)



INVITATION OF BIDS FOR TG-IR-GC/MS

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1.0 INTRODUCTION

- i. M/s. Hindustan Petroleum Corporation Limited (HPCL), a Navaratna Public Sector Undertaking and Fortune 500 Company, 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 procure TG-IR-GC/MS at its R&D Centre in Bengaluru with an agency having proven expertise and capability.
- ii. HPCL invites bids from experienced and competent agencies with sound technical and financial capabilities fulfilling the Bidders' Pre-Qualification Criteria (PQC).
- iii. The selection of Agency for TG-IR-GC/MS 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:

- 2.1. HPCL is planning to procure TG-IR-GC/MS system for the analysis of evolved gases. This instruments should be usable with hyphenation together and also as standalone systems.

TGA equipped with auto-samples, should have temperature range from sub ambient to 1200°C With user selectable heating range from 0.1 to 500 °C/min and balance capacity of 1300 mg or better.

Mid IR and Far IR FTIR system having ISO 9001 certification should be equipped with DTGS (each for Mid and Far IR) and MCT detectors. FTIR library also to be provided. Should also provide the FTIR imaging system which should operate in rapid scan mode in infrared image collection.

GC/MS system should be fully automated with programmable pneumatic control. Should have operating temperature from 50 to 500 °C and heating rate from 1 to 200 °C/min. GC should be equipped with Flame Ionization detector, whereas MS must be equipped with Electronic Ionization and chemical Ionization Sources. Automatic headspace sampler with minimum 16 vial capacity to be provided.

- 2.2. Scope of work includes supply and installation of all items of the TG-IR-GC/MS system from a single source supplier at HP Green R&D Centre, Bengaluru.

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.