



CSIR-Indian Institute of Petroleum

(Council of Scientific & Industrial Research)

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Subject: Invitation of Expression of Interest (EOI) No : 16/2017-18

Indian Institute of Petroleum (IIP), Dehradun, and ISO 9001 Institute, is one of the leading constituent laboratories under Council of Scientific & Industrial Research (CSIR) engaged in R&D work in petroleum refining, natural gas and petro-chemicals and contributing towards creation of state of the art technology & products. CSIR-IIP has been working on several projects of natural importance independency and also in collaboration with well-known Indian foreign organizations.

EOI are hereby invited from reputed engineering firms for fabrication, installation and commissioning of the following:

Reference No.: PUR/1/17-18/EOI/208/YSR/BFD/PO

“Lab Scale Skid Mounted Hydrolysis Reactor System”

Last date of submission : 29th November, 2017 by 2:30 PM

Date of opening : 29th November, 2017 at 3:00 PM

Interested bidders may download the details from our Website: www.iip.res.in


(Store & Purchase Officer)

Subject: Invitation for Expression of Interest (EOI) for "Lab Scale Skid Mounted Hydropyrolysis Reactor System"

CSIR-Indian Institute of Petroleum (IIP), Dehradun, and ISO 9001 Institute, is one of the leading constituent laboratories under Council of Scientific & Industrial Research (CSIR) engaged in R&D work in petroleum refining, natural gas and petro-chemicals and contributing towards creation of state of the art technology & products. CSIR-IIP has been working on several projects of national importance and also in collaboration with well-known Indian foreign organizations.

EOI are hereby invited from reputed engineering/fabricating companies/firms for putting up a custom made bench scale reactor system for "Conversion of lignocellulosic biomass to value added hydrocarbons" at IIP, Dehradun. The plant shall include a pressurized hopper, pressurized screw feeder; high pressure fluidized hydropyrolysis reactor, a hydroconversion reactor and provision for collection of liquid & gaseous products. The scope of work includes fabrication, installation and commissioning of the plant.

Firms having done similar nature of work can apply along with the documentary evidence for the work done in the past. The firms should also meet the other parameters as given below and are required to submit following information along with their applications.

- 1) Name of the firm with their constitution/proprietorship/partnership detail, etc with the date of establishment/registration.
- 2) List of similar works successfully completed in the last ten years as above with testimonials from department concerned and the details of contact persons.
- 3) The firm should not have incurred any loss in more than two years during the last five years ending 31st March, 2017.
- 4) List of works in hand giving nature of work, department, cost, date of start and completion with present progress and the contact details of clients.
- 5) Balance sheet of the firm for previous two years (2015-16 and 2016-17) must be enclosed with the offer certified by chartered accountant evidencing turnover.
- 6) The article of association with offer to know the standing of the firm.
- 7) **All Indian agents of foreign principals have to compulsorily enlisted with DGS&D, New Delhi.**

Offers against this EOI should be submitted in a sealed envelope duly super-scribing **Expression of Interest (EOI) for "Lab Scale Skid Mounted Hydropyrolysis Reactor System"** to **The Director, CSIR-Indian Institute of Petroleum, Mohkampur, Haridwar Road, Dehradun-248005**. Positively by **29/11/2017 by 2.30 PM**. The offers shall be opened on the same day at 3:00 PM. Shortlisted firms shall be called for making a presentation at a later date.

If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of work in CSIR. CSIR-IIP reserves the right to verify the particulars furnished by the applicant; independently. CSIR-IIP reserves the right to reject any prospective application without assigning any reason.

Technical Specification for Lab Scale Skid Mounted Hydropyrolysis Reactor System:

1. The plant would include the following major equipment
2. Pressurized hopper (75 lit capacity)
3. Pressurized screw feeder
4. Fluidized hydropyrolysis reactor (Temp ~ 600°C, Pressure ~50 bar, Capacity ~500 – 1000 g/hr)
5. Char collector fitted with 1-2 μ mesh
6. Catalytic reactor (Temp ~ 600°C, Pressure~ 50 bar)
7. Heat exchanger. (~2°C) to condense high molecular weight hydrocarbons
8. Collection of liquid and gaseous products
9. Online and total gases measurement
10. Option for online/offline GC/GC-MS analysis


(Stores & Purchase Officer)