



# CSIR-Indian Institute of Petroleum

(Council of Scientific & Industrial Research)

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## Subject: Invitation of Expression of Interest (EOI) No : 02/2018-19

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:

Sl.No	Reference No.	Description
1.	PUR/1/18-19/EOI/21/SR/BFD/PO	GC Analyzer for Refinery Gases (RGA)
2.	PUR/1/18-19/EOI/22/NK/BFD/PO	Bomb Calorimeter
3.	PUR/1/18-19/EOI/23/AN/BFD/PO	Advanced Proximate Analyzer
4.	PUR/1/18-19/EOI/24/AN/BFD/PO	Differential Scanning Calorimeter (DSC)
5.	PUR/1/18-19/EOI/25/NK/BFD/PO	CHNS and O Elemental Analyzer
6.	PUR/2/18-19/EOI/17/SJ/ECO-CAMPUS	Disposal of Hazardous Waste

Last date of submission : 23rd May, 2018 by 2:30 PM

Date of opening : 23rd May, 2018 at 3:00 PM

Interested bidders may download the details from our Website: [www.iip.res.in](http://www.iip.res.in)

  
(S.O. Stores & Purchase)

## **Subject: Invitation for Expression of Interest (EOI) for Bomb Calorimeter**

CSIR-Indian Institute of Petroleum (IIP), Dehradun, an 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 independently and also in collaboration with well-known Indian organizations.

EOI are invited from reputed firms for supply, installation and demonstration of "**Bomb Calorimeter**" at CSIR-IIP, Dehradun. The scope of the work includes supply, installation and commissioning of the unit(s) at IIP.

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:

- a) Name of the firm with their constitution/proprietorship/partnership detail, etc with the date of establishment/registration .
- b) List of similar works successfully completed in the last ten years as above with testimonials from department concerned and the details of contact persons.
- c) The firm should not have incurred any loss in more than 2 years during the last 5 years ending 31<sup>st</sup> March 2018.
- d) List of work in hand giving nature of work, department, and cost, date of start and completion with present progress and the contact details of the clients.
- e) Balance sheet of the firm for previous two years (2016-2017 and 2017-2018) must be enclosed with the offer certified by chartered accountant evidencing turnover.
- f) Please submit the article of association with offer to know the standing of the firm.

Applications for Expression of Interest (EOI) as mentioned above along with all relevant documents should be submitted in sealed envelope duly super-scribing "**Expression of Interest (EOI) for Bomb Calorimeter**" to **The Director, Indian Institute of Petroleum, Mohkampur, Haridwar Road, Dehradun-248005**. Kindly send your confirmation along with complete profile and offer **positively by 23/05/2018 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 specifications for "Bomb Calorimeter" for Biomass/Lignin samples are as follows.**

The unit would include the following:

Measurement variables: heat of combustion, gross calorific value of solid, liquid fuels including biomass, plastics and MSW.

Analysis type: ASTM D240-02, D4809-00, E144-94, D5865 and other equivalent methods

Measurement units: J/kg, cal/gm, BTU/lb

Temperature resolution: 0.0001°C or better

Combustion Bomb: Halogen and acid resistant stabilized stainless steel

Relative standard deviation: 0.1% or better

Microprocessor based fully automotive bomb calorimeter

Oxygen filling bomb washing automatic



(S.O. Stores & Purchase)