



CSIR-Indian Institute of Petroleum

(Council of Scientific & Industrial Research)

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Subject: Invitation of Expression of Interest (EOI) 2019-20

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 independently and also in collaboration with well-known Indian and foreign organizations.

E-BIDS for EOI are hereby invited through Central Public Procurement (CPP) Portal (<https://www.etenders.gov.in>) and only online offers will be entertained from the registered bidders of CPP Portal.

Reference No.: PUR/1/19-20/EOI/371/TB/BCA-MRED/PO:

“Mobile Pyrolyser Unit”

Last date of submission : 26th September, 2019 by 3:00 PM

Date of opening : 27th September, 2019 at 3:00 PM

Interested bidders may download the details from our Website: www.iip.res.in or on **CPP Portal** (<https://www.etenders.gov.in>).


(Controller of Stores & Purchase)

Subject: Invitation for Expression of Interest (EOI) for “Mobile Pyrolyser Unit”

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EOI are hereby invited from reputed firms for supply, installation and demonstration of “Mobile Biomass Pyrolyser Unit”. The unit consist of Biomass palletisation unit, hammer mill and Mobile Pyrolyser Unit for processing of Agricultural residual biomass/ wastes to produce bio oil/bio char etc. The scope of the work includes supply, installation and commissioning of the unit(s) at Umerkot/Raighar/Dabugaon of Nabarangapur Dist, Odisha.

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 seven years as above with testimonials from department concerned and the details of contact persons.
- 3) The firm should not have incurred any loss in the last three years ending 31st March, 2019.
- 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 three years (2016-17, 2017-18 and 2018-19) 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) Please submit quality accreditations, manufacturing capabilities/tie-ups, after-sales support infrastructure and product support.

Offers against this EOI should be submitted in form of E-BIDS through Central Public Procurement (CPP) Portal (<https://www.etenders.gov.in>) and only online offers will be entertained from the registered bidders of CPP Portal. Last date of submission of EOI is **26th September, 2019 by 3.00 PM**, and shall be opened on the 27th September 2019 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 also reserves the right to reject any prospective application without assigning any reason.

Brief Details of the Biomass Pellatisation Unit, Hammer Mill and Mobile Pyrolyser Unit are as follows:

1. Application: Biomass crushing, pellatisation and biomass pyrolysis
2. Crusher:
 - Hammer mill with 100 kg/hr maize and other agricultural residue processing capacity
 - Output sieve size of 8-20 mm.
3. Pelletiser:
 - The pelleting machine should have throughput capacity of 50 kg/hr biomass pellets with 8-12mm pellet diameter and 20—60 mm length.
 - It should be capable of Maize biomass and other agricultural waste residues.
4. Mobile Biomass pyrolysis unit:
 - Single Screw Reactor with 20-30 kg/hr capacity
 - Maximum operating temperature: 600°C or better
 - Bio-oil and bio char collection system
 - The complete automation of pyrolyser along with all electrical and electronics
 - The unit should be on truck mounted



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