



**CSIR – INDIAN INSTITUTE OF PETROLEUM
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)
HARIDWAR ROAD, MOHKAMPUR, DEHRADUN INDIA – 248005**

**EXPRESSION OF INTEREST
for
FINDING / SEARCHING DOMESTIC MANUFACTURERS OR SUPPLIERS FOR
SCIENTIFIC / R&D ITEMS**

IIP REF: IIP/EOI/2020/MII/

HARD COPY of your proposal to be submitted to:

**Controller of Stores & Purchase
CSIR - INDIAN INSTITUTE OF PETROLEUM
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)
HARIDWAR ROAD, MOHKAMPUR, DEHRADUN INDIA – 248005
E-Mail: cosp@iip.res.in, rawats@iip.res.in
Website: <http://www.iip.res.in>**

LAST DATE FOR SUBMITTING WRITTEN PROPOSAL: Dec 1 , 2020, 3.00 P.M

**ENQUIRIES SEEKING NAMES OF INDNETORS / END USERS SHALL NOT BE ENTERTAINED. ALL
INSTRUCTIONS ARE AVAILABLE IN THIS DOCUMENT ONLY. PLEASE READ IT THOROUGHLY.**

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 intends to procure various scientific instruments/ items as per the detailed specifications provided in this document. Normally most of these items with the kind of specifications and parameters required for users in IIP for their research purposes are available through international manufacturers / suppliers. In pursuance of recent policies / guideline /orders issued by various Ministries of the Govt. of India to encourage domestic manufacturing and preference to domestic suppliers under various programs like 'Make in India', 'Atma Nirbhar Bharat' etc. interested firms capable of offering the listed items are requested to respond to this notice.

Firms are requested to refer to the **Order Nos. P-45021/2/2017-PP (BE-II) dt. 15.06.2017 as amended vide order of even number 28.05.2018, 29.05.2019, 04.06.2020, and 16.09.2020** issued by Public Procurement Section of DPIIT, Min. of Commerce & Industry, Government of India in their own interest to know about the provisions related to domestic suppliers for participation in open tenders. Firms may also refer to various other policies / programs of the Govt. related to promoting domestic manufacturing and/or supply.

Following is the list of items with their detailed specifications that are required by users in CSIR-IIP to meet their research requirements. WE STRONGLY ENCOURAGE INDIAN MANUFACTURERS / SUPPLIERS OF SAME / SIMILAR ITMES TO GO THROUGH THE TECHNICAL PARAMETERS AND WRITE TO US EXPRESSING THEIR INTEREST TO MANUFACTURE / SUPPLY THE SAME. WHEREVER IT IS FELT THAT ANY / SOME PARAMETERS ARE RESTRICTIVE OR SUPERFLOUS IN NATURE, DOMESTIC MANUFACTURERS CAN BRING THE SAME TO OUR NOTICE.

DOMESTIC MANUFACTURERS / SUPPLIERS, INDIAN SUBSIDIARIES OR AGENTS OF FOREIGN MANUFACTURERS / SUPPLIERS ARE REQUESTED TO GO THROUG THE PROVISION OF ORDERS ISSUED BY DPIIT, MIN. OF COMMERCE & INDUSTRY OR ANY OTHER ORDER / CIRCULAR ISSUED BY OTHER MINISITRIES TO EXPRESS THEIR INTEREST TO SUPPLY THE ITEMS REQUIRED BY CSIR-IIP IN COMPLIANCE OF THE PROVISIONS OF THE THOSE ORDER(S)/CIRCULARS.

AFTER EVALUATING RESPONSE TO THIS EOI NOTICE, CSIR-IIP WILL DECIDE ABOUT FLOATING GLOBAL TENDER ENQUIRY (GTE) AFTER SEEKING APPROVAL OF THE COMPETENT AUTHORITY ONLY FOR SUCH ITEMS FOR WHICH NO DOMESTIC MANUFACTURER OR SUPPLIER HAS EXPRESSED INTEREST TO SUPPLY THE ITMES WITH THE REQUIRED SPECIFICATIONS IN PURSUANCE OF THE SAID GOVT. CIRCULARS / ORDERS / NOTIFICATIONS.

CRITICAL DATE SHEET

क्रमांक Sl. No.	प्रक्रमStage	दिनांक और समय Date & Time
1.	प्रकाशनकादिनांक और समय Publish Date & Time	06.11.2020 1600hrs IST
2.	दस्तावेजविक्रय / डाउनलोडकाप्रारंभदिनांक और समय Sale /document Download Start Date & Time	06.11.2020 1600hrs IST
3.	संदेह / सवालपूछनेकीअंतिमदिनांक और समय Last Date & time for receipt of queries	13.11.2020 1500hrs IST
4.	बोलीपूर्वसम्मेलन, यदिहोतो Pre-bid Conference, if any	NOT APPLICABLE
5.	बोलीजमाकरनेकीप्रारंभिकदिनांक और समय Bid Submission Start Date & time	06.11.2020 1600hrs IST
6.	बोलीजमाकरनेकीअंतिमदिनांक और समय Bid Submission End Date & Time	01.12.2020 1500hrs IST
7.	बोलीखोलेजानेकीदिनांक और समय Bid Opening Date & Time	02.12.2020 1500 HRS IST

EXPRESSION OF INTEREST

1	Item Name :	POTENTIOMETRIC AUTO-TITRATOR
	<p>Tentative Specifications:</p> <ul style="list-style-type: none"> • The potentiometric auto-titrator should be capable of doing all types of titrations like acid-base, non-aqueous, redox and precipitation. • The instrument should be provided with at least two titrating burettes with separate attached tubes for titrant in and liquid drain • The instrument should have the following measurement range <ul style="list-style-type: none"> ○ pH: 0.0 to +14.0 with Resolution of 0.01 pH or better ○ mV: ± 2000 with Resolution of 0.1 mV or better ○ I_{pol}: ± 120 µA or better • The burette should have a resolution of 1/25000 steps or better of its burette volume. • The instrument should have the possibility to connect at least four titrating burettes for different types of titrations. • Burettes with volume of 5, 10 and 20 ml should be available if required. Two 20 mL burettes should be provided along with the system. • Electrodes for acid-base, precipitation and iodometric titration should be provided with the instrument. • Suitable magnetic stirrer with control on stirring speed and direction should be provided. • Suitable automation system for handling multiple samples and parallel titration should be available if required in future. • The instrument should be software controlled and should have galvanic isolation of measuring interface for performing potentiometric titrations. Should have the facility to perform at least three titrations simultaneously with suitable upgradation, in future. • The instrument should also have the facility to perform pH measurements with calibration using multiple buffers. • The basic instrument and all the peripheral devices connected to it should be recognized by the software as soon as it is connected to the software. • Preparation of burette with new titrant and emptying the burette, with a single command through software, should be possible. • Titration end point should be specified based on mV/pH, volume and number of equivalence point (up to 9 EP or more) • The instrument should have the facility to capture all data related to calibration and performance of sensors, while connected with the system. • The instrument should be capable of capturing burette volume while connected to the system. It should also store the information of titrant. • Latest windows based software should be provided with the system, with the following facilities. <ul style="list-style-type: none"> ○ Software should be LIMS/ERP compatible and facilitate parallel multi-tasking functions. Software should support client-server version if required. ○ It should allow to use logical statements to do actions based on results. ○ Result monitoring, customized report and automatic data back-up should be available. ○ Automatic inquiry of sample size and/or ID number after start of titration on request. ○ Variable start delay for poorly soluble samples. ○ Quick filter, special filter functions to trace the required data quickly, should be available • Instrument should be provided with all the accessories required for performing the required applications. • PC with latest processor and windows 10 operating system, 8 GB RAM, 1 TB HDD, DVD RW multi with 24" LED monitor, USB key board, USB mouse along with all original operating system and mother board CDs. PC with higher than above mentioned specifications is preferable. • Installation, Warranty and Training. <ul style="list-style-type: none"> ○ Necessary pre-installation advice should be sent immediately before shipment of the instrument. ○ At least 12 months comprehensive warranty from the date of commissioning. ○ Onsite comprehensive user and maintenance training. ○ Complete demonstration of installation checkout specifications failing which instrument will not be accepted. ○ Detailed circuit diagrams, service and operation manuals. ○ A certificate of the principal firm to be included stating the instrument spares and service will be available at least 10 years after the supply. • Terms and conditions for instrument. <ul style="list-style-type: none"> ○ The supplier must provide complete installation, commissioning, demonstration and training to users without any additional cost and supply relevant operating and servicing manuals in printed and soft formats. ○ The supplier must demonstrate that they have appropriate setup and capability to provide after sales technical support and timely servicing of the instrument. In addition, list of existing users of similar instruments from other institutes should 	

be provided along with the availability of trained and efficient service engineers.

- The tender document MUST enclose after-sale service statement, valid standard specification documents from the company and every specification must be a part of that standard document.
- Terms and conditions for instrument.
 - The supplier must provide complete installation, commissioning, demonstration and training to users without any additional cost and supply relevant operating and servicing manuals in printed and soft formats.
 - The supplier must demonstrate that they have appropriate setup and capability to provide after sales technical support and timely servicing of the instrument. In addition, list of existing users of similar instruments from other institutes should be provided along with the availability of trained and efficient service engineers.

For and on behalf of CSIR

Sd/-

Controller of Stores & Purchase

IMPORTANT INSTRUCTIONS

- INTERESTED FIRMS NEED TO SUBMIT PROPOSALS IN HARD COPY FORMAT LATEST **BY Dec.1, 2020**. WE MAY NOT BE ABLE TO CONSIDER PROPOSALS RECEIVED AFTER THIS DATE. THIS WILL NOT HOWEVER PREVENT YOU FROM PARTICIPATING IN THE OPEN TENDERING PROCESS, IF DONE SUBSEQUENTLY THROUGH GeM OR CPPP PORTAL.
- PLEASE NOTE THAT CSIR-IIP'S ITEM SPECIFICATIONS / PARAMETERS ARE BASED ON USERS RESEARCH REQUIREMENTS AND FUNCTIONAL NEEDS AND MAY INVITE THE FIRMS FOR PRE INDEPENDENT MEETING / PRESENTATION /DISCUSSIONS. INTIMATION RE. THAT SHALL BE SENT SEPARATELY BY EMAIL ONLY AND ALSO HOSTED ON CSIR - IIP WEBSITE. THERE IS NO NEED TO FOLLOW UP TELEPHONICALLY AND/OR THROUGH EMAIL.
- WRITE ON THE MAIN ENVELOPE 'EXPRESSION OF INTEREST' FOR 'ITEM NAME' WITH 'REF. NO.' AS GIVEN IN THIS BID DOCUMENT. THE ENVELOPE MUST BE ADDRESSED TO THE **CONTROLLER OF STORES & PURCHASE** AND SENT TO THE ADDRESS PROVIDED ON THE TITLE PAGE OF THIS DOCUMENT.
- SEND ONLY TECHNICAL LITERATURE / BROCHURE. THERE IS NO NEED TO ENCLOSE RECOMMENDATION LETTERS OR ANY OTHER DETAILS NOT CONCERNED WITH THE TECHNICAL ASPECT OF THE ITEM AT THIS STAGE. **PLEASE NOTE THAT NO FORMAL OPENING WILL TAKE PLACE AT A SPECIFIED DATE OR TIME FOR THE OFFERS RECEIVED AS THIS BEING PROSPECTING ACTIVITY IS JUST AN INFORMATION GATHERING / SEEKING EXERCISE AND NOT A TENDERING PROCESS.**
- THIS EXERCISE IS BEING CARRIED OUT TO GET DETAILED IDEA ABOUT THE TYPE OF SPECIFICATIONS, TECHNICAL PARAMETERS INDIAN MANUFACTURERS ARE WILLING AND ABLE TO MANUFACTURE AND / OR SUPPLY (IN PURSUANCE OF VARIOUS GOVERNMENT POLICIES / GUIDELINES / INSTRUCTIONS) FOR THE TYPE OF EQUIPMENT DESIRED TO BE PROCURED BY CSIR – IIP SO THAT CSIR – IIP CAN AVOID GOING FOR GLOBAL TENDERING AND ENCOURAGE DOMESTIC MANUFACTURING AND COMPETITION.
- **BEING A PUBLIC FUNDED ORGANIZATION CSIR-IIP IS ENTITLED TO CONCESSIONAL GST @5% AND CONCESSIONAL CUSTOMS DUTY PAYABLE UNDER...**
- OPTIONALLY FIRMS MAY ALSO ENCLOSE 'BUDGETARY OFFER' TO ENABLE US TO GET BROAD IDEA ABOUT THE PRICING. **PLEASE NOTE THAT THIS IS NOT A TENDER OR BIDDING PROCESS AND THE PRICES SENT BY YOU SHALL NOT BE USED TO MAKE PURCHASE DECISION AT ALL.** WE WILL FRAME ITEM SPECIFICATIONS & DETAILED BID DOCUMENT AFTER WHICH TENDERING PROCESS SHALL BEGIN. YOU MAY GET OPPORTUNITY TO PARTICIPATE IN OUR TENDERING PROCESS WHERE BID PRICES ARE ALSO REQUIRED TO BE QUOTED. **DISCLOSING BUDGETARY PRICES AT THIS STAGE IS PURELY OPTIONAL & FIRMS MAY SKIP THIS IF THEY FEAR LOSING COMPETITIVE ADVANTAGE AT THE TENDERING STAGE LATER.**
- WARRANTY, EXTENDED WARRANTY AND AMC OFFERINGS AVAILABLE (PERIOD OF COVERAGE AND ESTIMATE) SHOULD BE PROVIDED FOR ALL ITEMS.

For and on behalf of CSIR
Sd/-

CONTROLLER OF STORES & PURCHASE

