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प्लाज्मा अनुसंधान संस्थान
INSTITUTE FOR PLASMA RESEARCH
 परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता प्राप्त संस्थान
**An Aided Institute of Department of Atomic Energy,
 Government of India**



इन्दिरा पुल के पास, भट, गांधीनगर - 382 428 भारत
 दूरभाष: (079) 2396 2020/2021/2028
 फैक्स: 91-079-23962277
 वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
 DIST. GANDHINAGAR - 382 428 (INDIA)
 Phone: (079) 2396 2000/2026/2332
 Fax : 91-079-23962277
 Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/059
 Date : 15-05-2018

Due on : 21-06-2018 by 1:00 PM IST

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items which we are interested to import directly against Foreign Trade Policy 2015-2020.

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to importpurchase@ipr.res.in

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., http://www.ipr.res.in/documents/tender_terms.html / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: IPR-FP-01.V3)
- 2) Bidding format

GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS): Please refer **clause no: 14** of Form No: IPR-FP-01.V3

QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	Electro Etching and Polishing Machine	1.0 Nos.

Note: Please quote with complete technical details (Technical compliance sheet and product data sheet).

Payment will be made as follows :-

- Through Letter of Credit :- The L/C will be established for 80% value of purchase order excluding installation and commissioning charges and the same will be paid against presentation of shipping documents.

- Through Wire Transfer : 20% payment and 100% Installation charges will be paid through wire transfer after receipt and final acceptance of the item/s at IPR site and on submission of performance Bank Guarantee for 10% of the

Encl: order value, valid throughout warranty period.
Refer attached sheet for detailed technical specification.

Sd/-

Mr. D. Ramesh
Purchase Officer-II

Information to Vendors: We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tendersenq.html> for our future requirement.

Technical Specification for Electro Etching and Polishing Machine

Sr. No.	Item/parameter	Specification
1.	Polishing Voltage	100 V DC or higher (adjustable)
2.	Polishing Current	5 Amp or higher (adjustable)
3.	Etching Voltage	10 V DC or higher (adjustable)
4.	Etching Current	1 Amp or higher (adjustable)
5.	Power Supply	Single Phase, 230 V, 50Hz
6.	Display system	LED/LCD display of time, voltage, current, electrolyte temperature and pump speed. Display system showing current density curve would be desirable.
7.	Functional Requirements	1. Electro Polishing and Etching should be compatible in same equipment. 2. Electrolyte Stirring facility required. 3. Electro Polishing and Etching cell should be capable to hold minimum sample size: 25mm (diameter) x 20mm (height) sample (cold/hot mounted)
8.	Accessories and Consumable Requirements	1. Cathode: Stainless Steel (1 nos.) 2. Sample holder/clamps (1 nos.) (optional) 3. Masks for Etching and Polishing cell: 0.5 to 2 cm ² aperture 4. Standard electrolyte for Stainless steel, Steels: 1 Liter (as per minimum order quantity) 5. Standard electrolyte for Copper & Copper alloys: 1 Liter (as per minimum order quantity)
9	Acceptance Criteria	Electro Etching and Polishing of Stainless Steel and Copper sample (1 nos. for each) will be carried out using Electro Etching and Polishing machine at IPR. Electro Etching and Polishing Machine will be accepted only after successful testing of sample.
10.	Warranty	Minimum 01 Year
11.	Installation & Commissioning	The installation, testing and commissioning should be done at IPR, Gandhinagar. The supplier shall arrange an introductory training for the operation and maintenance of the equipment at IPR.
12.	Documents	The supplier shall submit the operational manual & other relevant documents with the instrument.

Technical Compliance Sheet for Electro Etching and Polishing Machine

Sr. No.	Item/parameter	Specification	Vendor Specification	Deviation (if any)
1.	Polishing Voltage	100 V DC or higher (adjustable)		
2.	Polishing Current	5 Amp or higher (adjustable)		
3.	Etching Voltage	10 V DC or higher (adjustable)		
4.	Etching Current	1 Amp or higher (adjustable)		
5.	Power Supply	Single Phase, 230 V, 50Hz		
6.	Display system	LED/LCD display of time, voltage, current, electrolyte temperature and pump speed. Display system showing current density curve would be desirable.		
7.	Functional Requirements	<ol style="list-style-type: none"> 1. Electro Polishing and Etching should be compatible in same equipment. 2. Electrolyte Stirring facility required. 3. Electro Polishing and Etching cell should be capable to hold minimum sample size: 25mm (diameter) x 20mm (height) sample (cold/hot mounted) 		
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Date :

Bidder's Sign and Official Stamp