



**NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION &  
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**(E-Tender for Multi-Purpose Continuous Flow Reactor)  
Tender ID 2023\_DPHAR\_761962\_1.**

National Institute of Pharmaceutical Education and Research (NIPER) invites online e-tenders in two –bid format for **Multi-Purpose Continuous Flow Reactor** at the Institute as per the specification given in the tender documents and other details can be obtained from the website: <http://eprocure.gov.in/>. and official website of the NIPER <http://www.niper.gov.in>.

1	Date of submission of e-tender	Start Date 15.07.2023 at 09.00 AM
		End Date : 05.08.2023 at 03.00 P.M
2	Opening of Technical Bid (online)	07.08.2023 at 3.00 P.M

**Director, NIPER reserves the right to reject any or all tenders without assigning any reasons. Corrigendum/Addendum or Cancellation of this advertisement, if any, shall be published on NIPER Website**

**For participating in the above e-tender, the bidder shall have to get themselves registered with <http://eprocure.gov.in/>**

**AAR (S &P)**

# Technical Specifications for Multi-Purpose Continuous Flow Reactor

Following are the components of continuous flow reactor that should be included:

## 1. Pumps

### 1A. Syringe Pump

Various syringes from 1ml to 60ml to adjust the flow rate using the flow variable number from the console to adjust the desired flow rate.

The PTFE tubing should be attached to the syringe which will be later attached to the T-mixer followed by either photochemical assembly, Electrochemical assembly or Thermal assembly based on the type of reaction.

All the info is given in the table below:

Sr. No	Description	Qty
1	<ul style="list-style-type: none"><li>A double head syringe pump (manual flow rate control (microliter – 5 ml/min or better))</li><li>Max pressure: 2-3 bar</li><li>Pump body: Nylon</li></ul>	1

### 1B. Solvent Delivery Pump

Sr. No	Description	Qty
1	<ul style="list-style-type: none"><li>Flow rate: 0.01 – 10 ml/min</li><li>Pumping system Dual plunger</li><li>Maximum operating pressure: 40MPa (5800 psi, 400bar)</li><li>Accuracy of flow rate: +-2%</li><li>Repeatability of flow rate: +-0.5%</li><li>Adjustable pressure limit: 0.04 MPa</li><li>Wetted materials: Stainless steel, Sapphire, KEL-F seals</li><li>Display, Keypad: VFD 140X32 pixels, 10 push buttons.</li><li>Power supply 100-200 V, 100VA</li></ul>	1

Apart from the syringe pump assembly, the HPLC pump is also required for pumping the reagent solution at a particular flow rate.

## 2. Reactors

### 2A. High Temperature and High-Pressure Multi-purpose flow reactor

Sr. No	Description	Qty
1	<ul style="list-style-type: none"><li>Tubular reactor volume: 8-10 ml or better (SS-316, PTFE)</li><li>Catalyst cartridge: 1-10 ml (SS-316)</li><li>Homogenous and Heterogeneous reactions in the same setup</li></ul>	1

	using interchangeable tubular attachments. <ul style="list-style-type: none"> <li>• Pressure: Up to 350 bars</li> <li>• Temperature: Up to 500 °C</li> </ul>	
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The multipurpose flow reactor should consist of the furnace, catalyst cartridge, and PTFE and SS-316 10 ml or more reactor. This instrument should handle pressure up to 100 bar and temperature up to 500 °C.

**Furnace:**

The inner of the furnace should be made of a ceramic sheath to withstand high temperatures and the outer surface should be made of stainless steel. It should have a hollow cavity for the cartridge.

**Cartridge:**

The PTFE or stainless steel 10ml cartridge with coiled PTFE tubing should be kept inside the furnace which should heat up to the desired temperature.

**2B. Multi-purpose Flow reactor**

Sr. No	Description	Qty
1	<ul style="list-style-type: none"> <li>• A double head syringe pump (manual flow rate control (microliter – 5 ml/min or better))</li> <li>• Max pressure: 2-3 bar</li> <li>• Control Panel: Nylon</li> <li>• Micro or Plate reactor:               <ul style="list-style-type: none"> <li>○ PTFE reactor volume: 5 ml or better</li> <li>○ Reactor body: Bakelite</li> <li>○ Temperature range: 25 °C – 150 °C or better</li> </ul> </li> <li>Power supply for electrochemistry:               <ul style="list-style-type: none"> <li>○ Electrode: Graphite</li> <li>○ Variable current: 1 mA – 2 mA and</li> <li>○ Variable voltage: 0 – 29 V or better</li> </ul> </li> <li>Power supply for electro-oxidation:               <ul style="list-style-type: none"> <li>○ Low voltage and high current (12V, 5A or better)</li> <li>○ High voltage and low current (110V, 2A or better)</li> <li>○ Variable voltage: 0 – 29V or better</li> <li>○ Electrode: Graphite</li> </ul> </li> <li>• Photochemical reactor: All visible light (Red, Blue, Green White)</li> </ul>	1

The multipurpose flow reactor should come with an acid/base resistance syringe pump body made with high-quality nylon. This reactor should enable its user to perform homogeneous, heterogeneous, high temperature, electrochemical as photochemical chemical reactions.

1. Syringe pump
2. Console for photochemistry (wavelength range – 254nm, 365nm, 420nm, 530nm and 620nm)

3. Console for Electrochemistry (1 mA to 2Amp, 0-12 volt) (**In micro-reactor or Plate reactor**)
4. Temperature control panel with thermostat (**In micro-reactor or Plate reactor**)

**Micro-reactor:**

Micro-reactor is a plate reactor of 5ml volume. Teflon plates should have channels grooved on them through which the reagents flow at a particular rate. The plate should have a nichrome plate in between for temperature generation. One side should have a graphite plate for electrochemistry experiments which is further overlapped by Teflon film for protection. The wire outlet from the micro-reactor plate should connect to the pump's temperature control panel.

**Electrochemistry:**

- The microreactor plate (5 ml) should have electrodes (Cathode and Anode) on both sides on top which is connected to the electro panel on the pump. The knobs allow the adjustment of flow of current.
- The microreactor should have inlet orifice at bottom and outlet orifice at the top for collecting the reaction mixture.

**Photochemistry assembly:**

- Should contain an inner skeleton to which PTFE tubing is coiled.
- Should have a plastic cylinder inside which LED plates are installed.
- Should have a wire extension to which different outlets are given that need to be plugged into the pump assembly as per the desired wavelength.
- The reagents are pumped through the syringes for which the pumping rate (Flow rate) can be controlled through knobs given. The knob reading is checked in the flow rate data sheet on the manual which is different for different ml of syringes used.

**2C. InstaMix lab reactor**

Sr. No	Description	Qty
1	<ul style="list-style-type: none"> <li>• Reactor volume: 5 ml or better</li> <li>• Flow rate: 1ml/min – 100 ml/min or better</li> <li>• Reaction time: 6 seconds – 600 seconds</li> <li>• Turbulent mixer: 1</li> <li>• Mixing element: S-Cross</li> <li>• No. of mixing elements in each SAR mixer: 24</li> <li>• Production capacity: 50 ton/year or better</li> <li>• No. of reactants: Maximum 3 reactants</li> <li>• Phases: Liquid-Liquid; Liquid-Gas; Liquid-Slurry</li> <li>• Material: SS316L</li> <li>• Maximum Pressure: 10,000 psi</li> <li>• Temperature: -40C to 300 °C</li> <li>• End Connections: 1/8" Connections</li> </ul>	1

	<ul style="list-style-type: none"> <li>• No. of inputs: 3</li> <li>• No. of outputs: 1</li> </ul>	
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The InstaMix flow reactor should work on the principle of Split and recombined (SAR) of turbulent flow. This flow reactor should consist of two major components: 1) The turbulent mixer and 2) The SAR mixer. All three inlets should be combined with the turbulent mixer to create turbulence in flow due to its unique design to increase the Reynolds number. The SAR mixer should provide excellent mixing.

The reactor should handle maximum pressure up to 10,000 psi with reactor volume of 5ml or more and controllable flow rate from 1ml/min to 100ml/min. Also, this reactor should handle temperature up to 300 °C.

### 3. InstaMix Thermal chamber

It should be applicable for various processes like drying, cure, melt, sterilize in industrial and mining enterprises as well as scientific research institute.

The temp range of this 40-liter chamber should be 300 °C and have facility to use InstaMix continuous flow reactor inside this chamber. The chamber should be controlled by micro processor, forced air circulation and digital display to set and control temperature.

Sr. No	Description	Qty
1	Temperature range: Ambient temperature +10 °C to 300 °C Temperature accuracy: +-0.5 °C Uniformity of temperature: +-0.5 °C Temperature increment: +- 0.1 °C Volume of chamber: 40 L or better Microprocessor controlled forced air circulation. Digital display of both set and actual temperature. Reaction chamber with heat protecting coils. PT 100 sensor to measure temperature. Have facility to use multiple Lab reactors for scale up.	1

### 4. Accessories

Should contain the following accessories along with the setup.

Sr. No	Description	Qty
1	<ul style="list-style-type: none"> <li>• Non-regulated valve (cracking pressure 1 bar)</li> <li>• T-junction (Nylon, PEEK, Tefzel)</li> <li>• X junction (Nylon, PEEK, Tefzel)</li> <li>• Tubing SS-316, 1/16" O.D</li> <li>• PTFE tubing 1/16" O. D</li> <li>• PFA tubing 1/16 O. D</li> <li>• Nuts SS 316 1/16"</li> <li>• Ferrule SS 316 1/16"</li> </ul>	2 5 2 25 25 15 12

	<ul style="list-style-type: none"> <li>• T-Junction SS-316 1/16” O. D</li> <li>• Ferrule TEZEL 1/16” O. D</li> <li>• Nuts TEFZEL 1/16”</li> <li>• SS-Tube cutter</li> <li>• With various cartridges of BPR (40,75, 150, 500 psi)</li> </ul>	<p>12</p> <p>3</p> <p>12</p> <p>12</p> <p>1</p> <p>1 no each</p>
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**Warrantee: Up to 3 years.**

### **NOTICE INVITING e-TENDERS**

1. No tender will be accepted in physical form and in case it has been submitted in Physical it shall be rejected without any communication to the sender

2. **Preparation of Bid**

a) Technical bid should be consisting of all technical details alongwith commercial terms and conditions

b) Financial bid indicating item-wise price for the items mentioned in the technical bid. The offer/bid should be submitted in two bid systems (i.e.) Technical bid and Financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BoQ\_XXXX. The Technical bid and the Financial bid should be submitted Online

3. **Submission of tender:**

The tender has to be submitted on-line before the due date. The offers received after the due date and time will not be considered. No manual bids will be accepted and considered.

4. **Bidding: **Bids are invited from the Class –I and Class II category of bidders only ( Refer Annexure E for category of Class supplier) for procurement of Equipment as per specification given in this tender documents. Purchase preference shall be given to Class –I category of Bidders as per Govt of India Guidelines revised from time to time****

a). Items of indigenous nature or quoted in INR or other , more than one authorized representative may participate in the same tender and submit their bids on behalf of their OEM/Principal/Manufacturer if the OEM permits more than one authorized bidder in such case as per their policy.

b). In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers,

one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer subject to meeting all other condition.

c). The letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The same should be included by the bidder in its techno-commercial unpriced bid. All offers other than those from the Principal/OEM should be supported by an authority letter from the manufacturer authorizing the supplier to tender on their behalf. In case of manufacturer a certificate or a copy thereof to the effect that the bidder is a manufacturer of the equipment must be accompanied with the technical bid prepared as per '**Annexure – D**'

#### **5. Opening of Bids:**

The online bid will be opened by a committee duly constituted for this purpose. Online bids (complete in all respect) received will be opened as mentioned in the "Schedule". Bid received without documents will be rejected straight way. The technical bid will be opened online first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification.

#### **6. Price Bid:**

Price bid should be submitted in given BOQ\_XXXX.xls format online. The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges. Price quoted should be in Indian Rupees, free delivery at NIPER Mohali at site (DDP/FOR).

Further, depending on the nature of the goods, there may be cost elements towards installation and commissioning; operator's training, and so on. Normally, it may be included in the equipment cost but if it is quoted separately, the same will be added in the item price for the determination of ranking of the bidders. The offer/bid should be exclusive of all taxes and duties, which will be paid by the purchaser as applicable. However, the percentage of taxes & duties shall be clearly indicated. Necessary certificate will be issued on demand in respect of Custom duty. The Purchase will have the right to award contracts to different Bidders for being lowest in particular items.

For ranking of offers, price of complete scope of supply as detailed in technical specifications, the procuring authority/Purchaser may decide as follows for comparison of price bid –

- (i) All items of the bid which are mandatorily required to meet the tendered specifications of the item/system
- (ii) If a bidder has put certain items/modules which are required to meet the tendered specifications in the 'optional' part of the bid, then such optional items shall also be included for the purpose of price Comparison.
- (iii) On the other hand, if a bidder has inadvertently included any item/module in its main price bid which is not required as per tender specifications, then the price of such item/module shall be excluded from the price comparison provided that the price for the said item/module is clearly reflected separately in the bid
- (iv) Anything asked as 'optional' in our specification is not to be included for overall comparison

Non-conformities between Figures and words: Sometimes, non-conformities/errors are also observed in responsive tenders between the quoted prices in figures and in words. This situation normally does not arise in case of e-Procurement/Etender . This should be taken care of in the manner indicated below:

- (i) If there is a discrepancy between the unit price and the total price that is obtained by Multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected.
- (ii) If there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected;
- (iii) If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.

7. **Taxes:** Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, GST etc, in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order.
8. NIPER Mohali is exempted from paying custom duty under notification No.51/96 (partially or full) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information and Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute, (no certificate will be issued to third party): The procured product should be used for teaching, scientific and research work only. **(Custom duty payable as per latest Govt. notification )**
- a) Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
  - b) Forwarder details i.e. Name, Contact No., etc.
  - c) Quotation with details of Basic Price, Rate, Tax & Amount on which CD is applicable
  - d) Supply Order Copy thereof
  - e) Proforma-Invoice Copy.
9. **Rates Comparison:**  
Bidders are requested to send their rates on F.O.R, NIPER Mohali, in case of indigenous items and on F.O.R. basis in case of imported item with separately mentioning FOB/FCA+ CIF/CIP + taxes + F.O.R. Charges. Rates comparison will be on Net Price (including Freight /Insurance /Installation /Taxes etc. ) if offers are received both for indigenous and import items. Rate of foreign currency will be taken from RBI website as on the opening of the technical bids for the purpose of conversion in Indian rupees.
10. **Spares:**  
The spare parts/wear & tear consumables, if any, required for trouble free operation of equipment to be quoted separately giving the full nomenclature, rate, quantity and shelf life of each item.
11. **Indigenous items:**  
The items which can/are to be provided indigenously may be listed separately.
12. **Parts of Equipments:**  
Where the equipment is composed of several subunits/components, the rate should be quoted for each subunit/component. The Institute reserves the right to increase or decrease the number of subunits/components and number of equipment according to its requirements. The rates in ambiguous terms will render the quotation liable to rejection. The words "Not quoting" should be clearly written against any item of equipment for which the tenderer is not quoting.
13. **Payment Terms:**  
Payment will be made to the supplier through following modes.
- a). Indigenous goods:**  
NEFT/Cheque/Demand Draft : 90% payment will be made within 30 days from the date of receipt of material at NIPER Mohali and balance 10% payment on successful installation of the equipment at NIPER on the submission of performance bank guarantee for 10% of purchase Value, valid for warranty period + 3 months .
  - b) Imported goods**  
90% payment will be made through Letter of Credit on presentation of original shipping documents to the bank and balance 10% payment on successful installation of the equipment at NIPER on the submission of performance bank guarantee for 10% of purchase Value, valid for warranty period + 3 months
  - c) NIPER** authority wish to inform that the payment terms Within 30 days after delivery through TTR /Wire Transfer instead of irrevocable Letter of Credit to avoid documentation as L/c opening charges and L/c amendment charges (if any) to amend the L/c clause after opening the L/c. is very high Bank charges occurred outside India will be borne by the beneficiary
14. **Acceptance of Terms & Conditions:**  
Bidders must confirm the acceptance of all the terms and conditions of this NIT. Any non-acceptance or deviations from the terms and conditions must be clearly mentioned. However,



tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this NIT. may render the tender liable for rejection.

**15. Service Manual/Circuit Diagram**

It is specifically required that the bidders will supply all the operating & service manuals and circuit diagrams alongwith the equipment.

**16. Power Supply:**

The equipment should be quoted only for 220 volts and 50Hz electricity supply. The extra requirement of line voltage, current rating etc. and the optimum climate and environment required for the equipment must be stated precisely. Voltage stabilizers/isolation transformers/CVT/UPS etc., as may be required shall be listed separately. The full technical specifications and literature in respect of the voltage stabilizer etc., must be furnished.

**17. Guarantee/Warranty:**

Duly signed and stamped certificate for onsite warranty as per specification as per **Annexure-B** should be attached with the technical bid. Successful firm will be required to agree for payment of penalty for exceeding permissible downtime during Guarantee / Warranty period.

In addition to quoting for the equipment, the tenderers are also requested to quote separately, the charges and terms and conditions of SERVICE CONTRACT FOR A PERIOD OF FIVE YEARS, for maintaining the equipment at this institute after the expiry of the period of guarantee/warranty. The terms and conditions of the Service Contract are given in **Annexure 'C'**. It may be noted that the service contract charges may also be considered along with the cost of equipment while evaluating the quotations. Price List of Spares parts must be quoted

In case of any loss or damage done to the property / existing infrastructure of the Institute attributable to the personnel of the contractor, the full damages will be recovered from the Agency / Contractor and decision of the Competent Authority of institute in this regard will be final and binding on the contractor

**18. Country of origin:**

i) Country of origin of the quoted item should be mentioned in the offer in case of imported item. As per Ministry of Finance, Deptt. of Expenditure, Public Procurement Division Order (Public Procurement No.1) issued from file No.6/18/2019-PPD dated 23rd July, 2020 regarding Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs) 2017, it is directed that any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority i.e. the Deptt. for Promotion of Industry and Internal Trade (DPIIT). The said order will not apply to bidders from those countries (even sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects (updated lists of the countries are given in the Ministry of External Affairs) (**Annexure E**)

ii) You may refer the Govt notification in the below links for details & update <https://doe.gov.in/procurement-policy-divisions> (Rule 144 xi of the General Financial Rules 2017)

iii) Bidder are requested to submit self Declaration certificate as (**Annexure F(i)**) and (**Annexure F(ii)**)

**19. Service Facility:** Bidder should mention about the service set up in India and how capable they are to provide after sales services.

**20. Training:** If required, should be included in your offer without any extra cost

**21. Banker's details:** Name and address of the banker of your company should be mentioned

**22. Reference of supply:** Name and contact details of the premier educational Institutes where the quoted

equipment has been installed in India should be attached as per **Annexure-G**. Copies of at least two purchase orders may be attached (If possible). NIPER Mohali reserves the right to inspect the equipment for its actual performance in any of the listed Institute

23. **NO WITHDRAWAL AFTER SUBMISSION OF BID OR MODIFY THE TERMS & CONDITIONS after acceptance of tender. In case Bidder fails to observe and comply with the stipulation made herein or back out after quoting the rate, the aforesaid amount of EMD/Performance Guarantee will be forfeited by NIPER-SAS Nagar, Mohali. Besides this, the bidder will also be liable to be debarred/backlisted from participating in the tendering process of NIPER SAS Nagar Mohali in future and/or suitable penalty will be levied.**

24. **Arbitration**

1. In the event of failure to carry out the contractual obligations, within the stipulated period or extended period and determination of the contract for any reason. Violation of the warranties etc. the NIPER Mohali shall have the right to carry out the unfinished obligation at the exclusive cost and risk of the bidder/firm, after due notice and the difference so accrued shall be recoverable from the bidder/firm.
  2. The provision of the Arbitration and conciliation Act, 1996 or as at relevant time and of rules framed there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this agreement.
  3. Upon every or any such reference, the cost of any incidentals to the reference and award(s) respectively shall be at the reasonable discretion of the Arbitrators or in the event of their not agreeing, of the Umpire appointed the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall be direct by whom and in what manner the same shall be borne and paid.
  4. Panel of arbitrators will be provided by NIPER Mohali out of which the bidder will have to select one.
  5. The bidder shall have no objection if the officer who has dealt with the case at any stage is nominated as an arbitrator. Further, that one of the arbitrator's shall be Accounts Expert.
  6. In case of vacancy being caused due to resignation, death or incapacity of the arbitrator's to function as such, the same shall be provided in the aforesaid manner and the new arbitrator's shall proceed from the stage at which vacancy is caused.
25. **Jurisdiction:** The court of Mohali alone will have the jurisdiction to try any matter, dispute or difference between the parties arising out of his tender/contract. It is specifically agreed that no Court outside and other than Mohali court shall have jurisdiction in this matter.
26. **Force Majeure :** Any failure of omission or commission to carry out the provision of this contract by the supplier shall not give rise to any claim by one party, one against the other, if such failure of omission or commission arises from an act of God; which shall include all acts of natural calamities such as fire, flood, earthquake, hurricane or may pestilence or from civil strike, compliance with any statute and/or regulations of the Government, lockouts and strikes, riots embargoes or from any political or other reason beyond the supplier's control including war (whether declared or not) civil war or stage of insurrection, provided that notice of the occurrence of any event by either party to the other shall be given within two weeks from the date of occurrence of such an event which could be attributed to Force Majeure conditions.
27. **Risk & Cost** In the event of failure to carry out the obligations, within the stipulated period or extended and determination of the contract for any reason, violation of warranties etc. The NIPER Mohali shall have the right to carry out the unfinished obligation at the exclusive cost and risk of the bidder/firm, after due notice and the difference so accrued shall be recoverable from the bidder/firm.
28. **The Material** found defective upon opening by the supplier representative in presence of Central stores personnel/indenter of NIPER Mohali or not as per tendered specifications will be lifted back at the cost and

risk of the supplier. The material lying in the NIPER Mohali premises would be at the supplier's risk and cost.

29. **Liquidated Damages:** In case the firm fails to execute the supply as per the purchase order in whole or in part as per the terms and conditions of PO, NIPER Mohali can impose the penalty @1% per week of the undelivered stores, subject to a maximum of 10% Value of the purchase order. It will also be open to the institute to procure the required item(s) from any other source at the risk and expense of the firm.

**Note: The Director, NIPER Mohali reserves the right to accept/reject any or all tenders without assigning any reason thereof and also to reject the material if the same is not found conforming to the specifications, with further right to affect risk and cost of the purchases**

<b>Specification</b>	<b>Compliance of the quoted model</b>	<b>Compliance of alternate model, if any</b>	<b>Remarks</b>

## CERTIFICATE OF GUARANTEE/WARRANTY

(This certificate may be reproduced)

- i) I/We certify that the guarantee/warranty shall be starting from the date of satisfactory installation, commissioning and handing over of the equipment and of works conducted therewith covered under the Supply order in working Condition. During the guarantee/warranty period I/We shall provide “after sale service” and the replacement of any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee/ warranty shall begin only from the date of installation, commissioning and handing over the equipment in working order. The benefit of change in dates of the guarantee/warranty period shall be in the interest of the user/your Institute.
- ii) During the warranty period, we shall provide at least three preventive maintenance visits per year & all breakdown services without any charges.
- iii) Uptime Guarantee : During the guarantee/warranty period, we will be responsible to maintain the equipment in good working condition for a period of 328 days (i.e., 90% uptime) in a block of 365 days. All the complaints will be attended by us within 5 days of receipt of the complaint in our office. In case there is delay of more than 5 days in attending to a complaint from our side then you can count the number of days in excess of the permissible response time in the downtime.
- iv) We certify that the equipment being offered/quoted is the latest model and that spares for the equipment will be available for a period of at least 10 years and we also guarantee that we will keep the Institute informed of any up-date of the equipment over a period of 5 years.
- v) We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price or an agreed percentage of profit on the landed cost.
- vi) We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.

We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components

Date :

**Authorised  
Signatory  
(With Seal)**

Place :

## Annexure 'C'

### TERMS AND CONDITIONS OF THE SERVICE CONTRACT

- i) During the service contract period, the firm shall provide at least THREE preventive maintenance visits and attend to all emergent and break-down calls per year.
- ii) Rate of AMC/CMC will be quoted for the period after completion of warranty period and order for AMC/CMC be placed after completion of warranty (if required)
- iii) The service contract charges must be quoted separately for each year strictly.
- iv) The service contract charges should be quoted only for services and travel cost etc. and should not include the cost of any replacement parts/components which shall be arranged by the Institute at its own cost. However, a price list of all spares must be provided to the Institute.
- v) The removed/un serviced spare parts shall be the property of NIPER , Mohali and shall be handed over to Indenter by the service provider alongwith service report.
- vi) In each block of 365 days during the entire service contract period the firm will be responsible to maintain the equipment in good working condition for a period of 328 days (i.e. 90% uptime). The time taken by the Institute in providing to the firm the spare parts shall not count towards the downtime. All the complaints will be attended by the firm within 5 days of the dispatch of the complaint to their office. In case there is delay of more than 5 days in attending to a complaint then the number of days in excess of the permissible response time shall be counted in the downtime. The above said response time of 5 days for attending to a complaint will not be counted in the downtime. In case total downtime exceeds the permissible limit as defined above, the service contract shall be extended by the period in excess of the permissible downtime subject to limit of 30 days in a block of 365 days. However, for the period of the downtime in excess of 30 days in block of 365 days, a fine equivalent of double the daily service contract charges shall be recovered from the firm.
- vii) The replaced parts shall remain the property of the Institute.
- viii) The firm will deposit a security in form of Bank Guarantee equivalent to 50% of the additional value of the Annual service contract towards execution of the service contract and to cover the service contract period of five years. This will be furnished within a period of 15 days after the expiry of the guarantee/warranty period. No Advance payment of AMC shall be made under normal circumstances.
- ix) The firm shall try to repair the equipment at Institute itself. However, the equipment may be taken to their site, on their own expenses if in case it is not possible to repair the same at NIPER, the firm shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till this is handed over to purchaser after repair. Any loss of equipment or its accessories on account of theft, fire or any such reasons shall be the sole risk and responsibility of the firm who will compensate the Institute for such losses at FOB value of the damaged/lost equipment/part including accessories.
- x) During the service contract period the parts/components that may be needing replacement shall be made available by the Institute at their own expenses and all import formalities, payment of custom duty etc., shall be complied with/borne by the Institute.
- xi) All service contract charges will be invoiced thrice in each year. The payment of the invoice will be made in arrears after satisfactory servicing within 30 days of the date of submission of the invoice.
- xii) No price revision will be accepted by the Institute during the entire tenure of the service contract agreement.

**FORMAT FOR MANUFACTURES'S AUTHORISATION CERTIFICATE**

**The Director  
NIPER, SAS Nagar  
Mohali**

**Subject: Tender for “.....”.**

**Dear Sir**

**We manufactures of original equipment at (..... Address of factory  
.....do hereby authorize M/s (Name and address of  
Agent) to submit a bid, negotiate and receive the order format against your tender enquiry.**

**M/s ..... is authorized to bid and conclude the contract in regard to  
this business.**

**We hereby extend our full guarantee and warranty as per clause ..... Conditions  
NIQ for the goods and services offered by the above firm.**

**Yours Faithfully**

**Name & Signature**

**For and on behalf of M/s ..... (Name of  
manufacturer)**

**Note :**

- 1. Items of indigenous nature or quoted in INR, more than 1 authorized representative may participate in the same tender and submit their bids on behalf of their OEM/Principal/Manufacturer if the OEM permits more than one authorized bidder in such case as per their policy.**
- 2. Inc cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer**
- 3. The letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The same should be included by the bidder in its techno-commercial unpriced bid.**





**TO BE PROVIDED BY OEM ON LETTERHEAD  
DECLARATION OF COUNTRY OF ORIGIN**

**To**

**The Director  
NIPER SAS Nagar  
Mohali**

**Subject: Declaration of Origin**

**Tender Reference No. ....**

**Name of Tender: .....**

- 1. Counter of Origin of Goods being offered ..... (OM No. 6/18/2019-PPD dated 23.07.2020)**
  
- 2. “ Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.**
- 3. “\*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.”**

**Yours Faithfully**

**Name of the bidder, with official seal)**

**SELF DECLARATION CERTIFICATE  
(To be given in bidder`s letter head)**

**NIPER E-Tender No. ....**

**DATED.....**

1. “ I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority, I hereby certify that this bidder fulfills all requirement in this regard and is eligible to be considered. [ Where applicable, evidence of valid registration by the Competent Authority shall be attached]”
  
2. “ I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or ; if from such a country, has been registered with the Competent Authority and will not sub-Contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered [ Where applicable, evidence of valid registration by the Competent Authority shall be attached]”

**(Bidder`s Signature with official seal)**



**ANNEXURE -H**

**MANDATE FORM FOR PAYMENT**

Sr.No.	Supplier Details	
1	Vendor Name	
2	Father/ Husband Name	
3	DOB	
4	PAN Number	
5	Aadhaar Number	
6	TIN Number	
7	Service Tax No.	
9	Address I	
10	City	
11	Country	
12	State	
13	District	
14	Pin code	
15	Mobile No.	
16	Phone	
17	Email	
18	Bank Name	
19	IFSC Code	
20	Account Number	
21	Others	

**Bidder(s)/Authorized Signatory (ies)**

## DECLARATION SHEET

We..... hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification. This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty. The prices quoted in the financial bids are subsidized due to academic discount given to NIPER Mohali

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking.	<b>NAME &amp; ADDRESS OF THE Vendor/ Manufacturer / Agent</b>
1. Phone	
2. FAX	
3. E.Mail	
4. Contract person Name	
5. Mobile Number	
6. GST Number	
7. PAN Number	

**FORMAT FOR NON BLACKLISTING OF SUPPLIER**

**I/ We \_\_\_\_\_Manufacturer/partner/Authorized Distributor/Agent (strike out which is not applicable) of (Supplier) \_\_\_\_\_ do hereby declare and solemnly affirm that the individual/firm/company is not black-listed by the Union/State Government/Autonomous body.**

**Yours Faithfully**

**Name of the bidder, with official seal)**

**I/ We hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and belief. No part of it is false and nothing has been concealed.**

**Yours Faithfully**

**Name of the bidder, with official seal)**

<b>Mandatory Check List</b>				
<b>Name of Equipment</b>				
<b>Name of Bidder</b>				
<b>Sr.No</b>	<b>Description</b>	<b>Remarks (Yes/No)</b>	<b>Page No.</b>	<b>Remarks(if any)</b>
1	Constitution of the Firm / Agency (Governing Act), Indian Companies Act, 1956, Indian Partnership Act, 1932 (please give names of partners), Any other Act, please specify.			
2	Technical supporting documents in support of Technical Specification			
3	Technical Compliance ( Annexure A)			
4	Certificate of Guarantee/Warranty (Annexure B) and Terms and conditions of the Service Contract (Annexure C)			
5	Manufactures Authorisation Certificate ( Annexure D)			
6	Certificate as per (Annexure E) and (Annexure Fi) and Fii			
7	User List as per (Annexure G) and Bank details as per Annexure H)			
8	Delaration Sheet as per (Annexure I) and Non Blacklisting certificate as per ( Annexure J)			
9	GST and PAN details			
10	EMD Details			
11	An other documentas in support of the above said			
<b>Note:- 1</b>	<b><i>The information required at serial no. 1 to 11 must be accompanied with the certified copies of the documents, and attached as per the serial number failing which the tender is liable to be rejected. No other document needs to be attached with the tender form.All pages of tender documents &amp; supporting documents must be duly signed by the tenderer.</i></b>			
<b>2</b>	<b><i>(All copies of the relevant documents required as per Tender document will be uploaded after dully signed and stamped, failing which the tender will be rejected.)</i></b>			