



सीएसआईआर- भारतीय रासायनिक प्रौद्योगिकी संस्थान
CSIR-Indian Institute of Chemical Technology
आई. एस. ओ. 9001 संगठन (विश्लेषणात्मक परीसेवा हेतु) / ISO 9001 Organization (for Analytical Services)
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद) / (Council of Scientific and Industrial Research)
तारनाका, उप्पल रोड, हैदराबाद, तेलंगाना राज्य, भारत. 500 007.
Tarnaka, Uppal Road, Hyderabad. Telangana State, India. 500 007



PURCHASE ORDER

No: PUR/IICT/0955/24-25/EQPT/ 2700

Date: 16-01-2025

To
M/s. AdiChem Technology Pvt Ltd
301, Shree Ganesh Avenue Building
Gangapur Road, Sector -C, Nashik-422013
Ph:+90280 78783/9075078783
Email:info@adichemtechnology.com

Sub;- Supply Installation and Commissioning of "Pressure Distillation System"-
reg.

Ref: - 1. Our Tender Enquiry No. PUR/IICT/0955/24-25/EQPT DT.23.10.2024 and CPPP
tender enquiry No.2024_CSIR_212332_1 Dt.23.10.2024.
2. Your bid reference No:Nil DT.26.11.24.

Dear Sirs,

Kindly supply the following item(s) strictly as per the terms and conditions.

Sl. No	DESCRIPTION OF MATERIAL	Quantity	Price in (₹)	Total Amount in (₹)
1.	Pressure Distillation System <i>(Detailed Specifications and other items and accessories as per Annexure enclosed)</i>	1No.	18,80,000.00	18,80,000.00
				18,80,000.00
Add GST @18%				3,38,400.00
FOR CSIR-IICT, Hyderabad				22,18,400.00

TERMS & CONDITIONS:

- Prices:** FOR CSIR-IICT Inclusive of all taxes, duties etc., Hyderabad. Unloading the consignment at our site is your cost.
- Order Acknowledgement:** Kindly send order acknowledgement within 15 days through Email: cosp@iict.res.in and csiriicthyd@csiriict.in mention PO No. in the



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subject line. If you notice any discrepancy/typographical error etc. in this order, you must immediately request for its amendment/correction. Further along with duly signed and stamped copy of this P.O. as token of acceptance of terms and conditions of this P.O. You are also required to sign a contract agreement in pursuance of this Purchase Order in the prescribed format on a Non-Judicial Stamp paper of Rs 200/-**(contract form attached)**

3. **Taxes and Levies: Price includes GST@18% also**
4. **Delivery Period :** The ordered material should be supplied within the delivery period of 16-18 weeks from the date of receipt of the Purchase Order.
5. **PAYMENT TERMS:** I) 80% through RTGS /NEFT or online mode against supply in complete quantity of ordered items in good condition as per ordered specifications and terms, subject to its joint inspection in the presence of suppliers service engineers/ representative and its confirmations and acceptance by CSIR IICT user Scientist.
II) Balance 20% through RTGS /NEFT or online mode after successful completion of installation and commission and final acceptance of End User, our Bankers State Bank of India, IICT Branch, Hyderabad, successful Installation, subject to submission of prescribed PBG.
6. **Warranty:** Warranty should be furnished for **24 months** from the date of successful installation and commissioning of the equipment and subject to final acceptance of the same by the CSIR-IICT user. If CSIR IICT wants to enter into CAMC/AMC in future after warranty period the amount for AMC charges shall not exceed CAMC/AMC Charges indicated in quotation (if any) and the same will not be paid in advance and the same shall be paid on bill basis only.
7. **Performance Bank Guarantee: 5% PBG valid till 60 days** beyond the prescribed warranty period starting from the date of final installation and commissioning to be submitted within 21 days from the date of the Purchase Order, failing which order may be cancelled at the discretion of CSIR IICT.
8. **INSTALLATION, COMMISSIONING AND DEMONSTRATION:** A qualified and factory-trained service engineer should commission the supplied equipment free of cost within *one* month from the date of receipt of the ordered goods and onsite application training to be provided for 2 persons 3 working days at CSIR IICT., Telangana, India. Supplier has to inform pre-installation requirements if any for site readiness within 10 days of receipt of this mail.
9. **LD clause:** Timely supply is the essence of stipulation in the delivery period of our purchase order, for our requirements have got a direct bearing with time targeted research work. By any measure, if there is any delay in delivery of the ordered material(s), a sum equivalent to **0.5 (point five)** per cent of contract value for each week of delay or part thereof until actual delivery will be deducted



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from the contract value as liquidated damages, subject to the maximum deduction of **10 (ten) per cent** of P.O. Value. CSIR IICT is also at liberty to consider the termination of the contract of the items is not delivered within the delivery period without assigning any reason thereof.

10. **CSIR-IICT-GST No: 36AAATC2716R2ZF**
PAN No. AAATC2716R **TAN No. HYDI00674C**
11. **Availability of spares and service engineer support shall be conformed for a period of 10 years as part of after sales and service support on applicable charges after warranty period.**
12. The dispute settlement mechanism/arbitration proceedings shall be Concluded as under:
 - a) If any dispute or difference arises between the parties hereto as to the construction, interpretation, effect and implication of any provision of this agreement including the rights or liabilities or any claim or demand of any party against other or in regard to any other matter under these presents but excluding any matters, decisions or determination of which is expressly provided for in this Agreement, such disputes or differences shall be referred to **Delhi International Arbitration Centre (DIAC), New Delhi**. A reference to the Arbitration under this Clause shall be deemed to be submission within the meaning of the Arbitration and Conciliation Act, 1996 and the rules framed thereunder for the time being in force. Each party shall bear and pay its own cost of the arbitration proceedings unless the Arbitrators otherwise decides in the Award.
 - b) In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

The venue of the arbitration shall be the place from where the purchase order or contract is issued. (for further information please refer to our Tender Document)

13. **Jurisdiction** - All disputes related to this tender shall be subject to the local court of competent jurisdiction at **HYDERABAD,**



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Telangana, India only.

14. The terms and conditions and tender specifications and clarification there off as contained in the tender document shall form part of this purchase order .However, Incase of any discrepancy between this P.O. and Tender terms this purchase order (P.O.) shall prevail.

Yours faithfully,
For & on behalf of CSIR

[Handwritten signature]
16.01.20

(Dharmendra Kumar)
Controller of Stores & Purchase

Note: Kindly, mention our purchase order reference number for all your future correspondence so as to enable us to avoid any delay while tracking/clearing the material(s).

Budget Head: FCP-512403 for Rs.22,18,400/- (Rupees Twenty Two lakhs Eighteen Thousand Four Hundred only)

1. Indentor's copy: P.V.S.S.Srinivas (FAC Divn) 2. Accounts copy; 3. Office copy; 4. Guard File copy 5. Spare copy;



NO.PUR/IICT/0955/24-25/EQPT/2700

DT.16.01.2025

Technical Specifications

Sl.No.	Description
01	SUPPLY OF PRESSURE DISTILLATION SYSTEM :
a)	Reboiler: <ul style="list-style-type: none">• MOC : SS-316• MOC : AdiChem• Volume : 2l, 3l & 5litres (interchangeable)• Heater : Ceramic band heater with internal cooling coil• Pressure : 50bar(g)• Temperature : +250 to 300 deg C• Stirrer : Magnetic Drive• Stirrer Blade : Pitch blade• RPM : min 10 to maximum 500• Motor : VFD
b)	Column: <ul style="list-style-type: none">• MOC : SS-316• Make : AdiChem• Column Type : Packed Column (Hot & Cold Insulation with maximum efficiency)• Pressure : FV to 50bar(g)• Operating temperature : +250 to 3000C• Dimension : ½" Dia & 1" dia tube (interchangeable)• Length : 1000 mm
c)	Product receivers: <ul style="list-style-type: none">• MOC : SS-316• Make : AdiChem• Receiver type : Jacketed• Volume : 500ml• No. of Vessels : 4Nos• Operating Pressure : FV to 50bar(g)
d)	Heater: <ul style="list-style-type: none">• Type : Ceramic band electric heaters suitable for re-boiler sizes• Operating Temperature : +250C to 300 deg C• Make : AdiChem
e)	Pressure Safety Valve (PSV): <ul style="list-style-type: none">• Suitable for the pressure norms of the system• Make : FITTOK or Eq.• MOC : SS-316• End connections : ¼"• No of PSV : 2



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f)	Rupture Disc: <ul style="list-style-type: none">• MOC : SS-316• Make : BS &B• As suitable to the upper limit of the system designed
g)	Weighing Scale: <ul style="list-style-type: none">• Capacity : min 5kg• Accuracy : 1gram• Readability : 1gram
h)	Pressure Transmitter: <ul style="list-style-type: none">• MOC : SS316• Make : Wika/ GEM, UK• Range : 1 to 50bar(g)• End connection : ¼"
i)	Pressure Gauge: <ul style="list-style-type: none">• MOC : SS316• Range : 0 to 100bar(g)• Make : Wika• Readability : 0.5bar(g)• End connections : ¼"
j)	Temperature element/Thermocouple <ul style="list-style-type: none">• MOC : SS316• Range : -250C to +350 deg C• Make : Tempense/ Radix
k)	Bottom Drain Valve: <ul style="list-style-type: none">• MOC : SS316• Temperature : up to +300 C• Pressure : 50bar(g)
l)	Valves : <ul style="list-style-type: none">• MOC : SS-316• Needle valves : ¼" or as mentioned in the PID provided• Make : Swagelok or FITTOK Tubes & Fittings:• MOC : SS-316• Size : 1/4" or 1/2" as per the PID• Make : Swagelok Make
m)	Control System: <ul style="list-style-type: none">• SCADA based control system• Display : On-board display for operation manually <p>SCADA station will be is design to control, monitor and logged the features of control panel.</p>



SCADA is featured with:

Data Logging	All process parameters i.e. temperature, Pressure, RPM is logged in SCADA and saved the data in its server
On Line trending	Process parameters can be monitored in graphically for its current values of specified time frame
Historical Trending	It is a feature to view the earlier process parameters in graphical trends
... Report Generation	It is a tool to generate the process parameters in tabular format either the current or past sessions

Computer: Make-HP

Intel original motherboard and processor > 3GHz (i7, seven generation) with 8GB RAM, 1TB HDD, optical mouse, multimedia keyboard, DVD +RDW, 4USB ports, 10/100 Ethernet card with WOL, 24" LED color monitor and necessary Windows 11 with license.

Insulation:

Hot & Cold Insulation as per process requirement

Skid:

- MOC : Mild steel with powder coated
- Structure Design : As per the PID

Vacuum Pump:

Make : Edwards Pump

Spares:

- Set of needle valves : 1No
- Thermocouples : 2 set
- Pressure Gauge : 1set
- Rupture Disc : 1No.

The Supplied Equipment along with accessories should completely comply with all the technical specifications and related requirements indicated in Chapter 4 of Tender Documents on the subject and subsequent "corrigendum" issued in pursuance of the same.

COSP

