

us. एस. ओ. 9001 संगठन (विश्लेषणात्मक परिसेवा हेतु) /ISO 9001 Organization (for Analytical Services) (वैज्ञानिक तथा औद्योगिक अनुसंघान परिषद) / (Council of Scientific and Industrial Research)

तारनाका, उप्पल रोड़, 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.

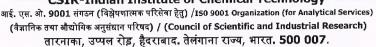
Dear Sirs,

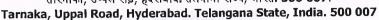
Kindly supply the following item(s) strictly as per the terms and conditions.

SI. No	DESCRIPTION OF MATERIAL	Quantity	Price in (₹)	Total Amount in (₹)
1.	Pressure Distillation System (Detailed Specifications and other items and accessories as per Annexure enclosed)	1No.	18,80,000.00	18,80,000.00
		18,80,000.00		
		3,38,400.00		
		22,18,400.00		

TERMS & CONDITIONS:

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







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- 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.
- **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

सीएसआईआर- भारतीय रासायनिक प्रौद्योगिकी संस्थान



CSIR-Indian Institute of Chemical Technology

आई. एस. बो. 9001 संगठन (विश्लेषणात्मक परिसेवा हेतु) /Iso 9001 Organization (for Analytical Services) (वैज्ञानिक तथा औद्योगिक अनुसंघान परिषद) / (Council of Scientific and Industrial Research) तारनाका, उप्पल रोड़, हैदराबाद. तेलंगाना राज्य, भारत. 500 007.

तारनाका, उप्पल राइ, हदराबाद. तलगाना राज्य, भारत. 500 007. Tarnaka, Uppal Road, Hyderabad. Telangana State, India. 500 007



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 ofthis 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 withprovision 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 purchaseorder 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**,

X



आई. एस. ओ. 9001 संगठन (विञ्लेषणात्मक परिसेवा हेतु) /Iso 9001 Organization (for Analytical Services) (वैज्ञानिक तथा औद्योगिक अनुसंघान परिषद) / (Council of Scientific and Industrial Research) तारनाका, उप्पल रोड़, हैदराबाद. तेलंगाना राज्य, भारत. 500 007.
Tarnaka, Uppal Road, Hyderabad. Telangana State, India. 500 007



Telangana, India only.

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

(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 lakks Eighteen Thousand Four Hundred only)

1. Indentor's copy: P.V.S.S.Srinivas (FAC Divn)

2. Accounts copy;

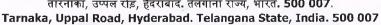
3. Office copy;

4. Guard File copy

5. Spare copy;



आई. एस. ओ. 9001 संगठन (विश्लेषणात्मक परिसेवा हेतु) /ISO 9001 Organization (for Analytical Services) (वैज्ञानिक तया औद्योगिक अनुसंधान परिषद) / (Council of Scientific and Industrial Research) तारनाका, उप्पल रोड़, हैदराबाद. तेलंगाना राज्य, भारत. 500 007.





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

DT.16.01.2025

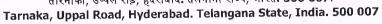
Technical Specifications

SI.No.	Description		
01	SUPPLY OF PRESSURE DISTILLATION SYSTEM:		
a)	Reboiler: 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: 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: MOC: SS-316 Make: AdiChem Receiver type: Jacketed Volume: 500ml No. of Vessels: 4Nos Operating Pressure: FV to 50bar(g)		
d)	 Heater: Type: Ceramic band electric heaters suitable for re-boiler sizes Operating Temperature: +250C to 300 deg C Make: AdiChem 		
е)	Pressure Safety Valve (PSV): Suitable for the pressure norms of the system Make: FITTOK or Eq. MOC: SS-316 End connections: ¼" No of PSV: 2		



सीएसआईआर- भारतीय रासायनिक प्रौद्योगिकी संस्थान

CSIR-Indian Institute of Chemical Technology आई. एस. ओ. 9001 संगठन (विश्लेषणात्मक परिसेवा हेतु) /ISO 9001 Organization (for Analytical Services) (वैज्ञानिक तथा औद्योगिक अनुसंघान परिषद) / (Council of Scientific and Industrial Research) तारनाका, उप्पल रोड़, हैदराबाद. तेलंगाना राज्य, भारत. 500 007.





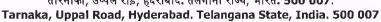
f)	Rupture Disc:				
,	• MOC: SS-316				
	Make : BS &B				
	 As suitable to the upper limit of the system designed 				
g)	Weighing Scale:				
37	Capacity : min 5kg				
	Accuracy : 1gram				
	Readability : 1gram				
h)	Pressure Transmitter:				
,	• MOC: SS316				
	Make : Wika/ GEM, UK				
	 Range : 1 to 50bar(g) 				
	End connection : ¼"				
i)	Pressure Gauge:				
-,	 MOC: SS316 				
	Range : 0 to 100bar(g) ☑				
	Make : Wika				
	 Readability: 0.5bar(g) 				
	• End connections : ¼"				
j)	Temperature element/Thermocouple				
1/	• MOC: SS316				
	• Range : -250C to +350 deg C				
	Make : Tempsense/ Radix				
k)	Bottom Drain Valve:				
•••	• MOC: \$\$316				
	Temperature : up to +300 C				
	Pressure : 50bar(g)				
1)	Valves :				
,	 MOC: SS-316 				
	 Needle valves: ¼" or as mentioned in the PID provide 	d			
	 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:				
	SCADA based control system				
	Display : On-board display for operation manually				
	SCADA station will be is design to control, monitor and logged the				
	control panel.				

सीएसआईआर- भारतीय रासायनिक प्रौद्योगिकी संस्थान



CSIR-Indian Institute of Chemical Technology

आई. एस. ओ. 9001 संगठन (विश्लेषणात्मक परिसेवा हेतु) /Iso 9001 Organization (for Analytical Services) (वैज्ञानिक तथा औद्योगिक अनुसंघान परिषद) / (Council of Scientific and Industrial Research) तारनाका, उप्पल रोड़, हैदराबाद. तेलंगाना राज्य, भारत. 500 007.





SCADA is featured with:

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