



## PURCHASE ORDER

No: PUR/IICT/DMS/1072/RE/23-24/716

Date: 25-07-2024

To  
M/s. Spincotech Systems LLP,  
Spinco Towers No 83&84,  
Industrial Estate,  
Perungaudi, Chennai, 600096  
Email: Chennai@spincotech.com

**Sub: - "Supply Installation Commissioning of Semi Preparative HPLC System LC20AR  
- reg.**

**Ref: - 1. Our Tender Enquiry No. PUR/IICT/DMS/1072/RE/23-24 and CPPP tender  
enquiry No. 2024\_CSIR\_182652\_1 dt. 22-01-2024.**

2. Your bid reference No. PUR/IICT/DMS/1538/RE/22-23-JN-0358 dt. 23-02-2024

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.	Semi Preparative HPLC System LC20AR Consists of following LC-20AR Pump SIL-20ACHT – Auto Sampler CTO-20AC- Column Oven, UV detector, PDA Detector, DGU- Degasser, FRC-10A, Fraction Collector, Columns – 7 Nos, PC and Printer, UPS, Manual Injector Make : Shimdzu (Detailed Specifications and other items and accessories as per Annexure enclosed)	1 No	44,50,000-00	44,50,000-00
Add GST @18%				8,01,000-00
FOR CSIR-IICT, Hyderabad				52,51,000-00

दुरभाष/Tel: +91-40-27193461, 27193228; फैक्स/Fax: +91-40-27193147

ईमेल/ Email: cosp@iict.res.in; csiriict@csiriict.in वेबसाइट/website: www.iictindia.org



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 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



## TERMS & CONDITIONS:

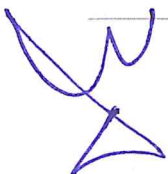
- 1. Prices:** FOR CSIR-IICT Inclusive of all taxes, duties etc., Hyderabad. Unloading the consignment at our site is your cost.
- 2. Order Acknowledgement:** Kindly send order acknowledgement within 15 days through Email: [cosp@iict.res.in](mailto:cosp@iict.res.in) and [csiriicthyd@csiriict.in](mailto:csiriicthyd@csiriict.in) 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. 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/-
- 3. Taxes and Levies:** All Inclusive to be borne by supplier.
- 4. Delivery Period:** The ordered material should be supplied within the delivery period of 8-10 Weeks from the date of receipt of the Purchase Order.
- 5. PAYMENT TERMS:** 100%, payment will be done through our Bankers State Bank of India, IICT Branch, Hyderabad, Uppal Road, Hyderabad – 500 007, Telangana, India after successful Installation and commission and acceptance of End User.

**Towards Part – I, 80%** value of goods will be made against delivery of ordered equipment in complete quantity and inspection.

**Towards Part – II, 20%** balance value of goods will be paid within 30 days, from the date of successful integration, installation & commissioning and acceptance of the supplied equipment by CSIR-IICT user scientist 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 by the CSIR-IICT user. **One Year Free AMC** after Completion of warranty period.
- 7. Performance Bank Guarantee:** 10% PBG valid till 26 months from the date of installation and commissioning to be submitted within 21 days from the date of the Purchase Order. Failing which order may be cancelled.
- 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 training to be provided at our premises as per tender or Indenter requirement i.e., I.I.C.T., Telangana, India.

दुरभाष/Tel: +91-40-27193461, 27193228; फैक्स/Fax: +91-40-27193147  
ईमेल/ Email: [cosp@iict.res.in](mailto:cosp@iict.res.in); [csiriicthyd@csiriict.in](mailto:csiriicthyd@csiriict.in) वेबसाईट/website:[www.iictindia.org](http://www.iictindia.org)





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 from the contract value as liquidated damages, subject to the maximum deduction of 10 (ten) per cent. We are also at liberty to consider the termination of the contract of the items is not delivered within the delivery period.
10. The terms and conditions and tender specifications and clarification there off as contained in the tender document shall form part of this purchase order.
11. **CSIR-IICT-GST No: 36AAATC2716R2ZF**  
**PAN No. AAATC2716R TAN No. HYDI00674C**
12. Availability of spares and service engineer support shall be conformed for a period of 7 years as part of after sales and service support on applicable charges after warranty period.

Yours faithfully,  
For & on behalf of CSIR,

(Dharmendra Kumar)  
Controller of Stores & Purchase

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

**Budget Head: P-50 for Rs. 52,51,000.00/-** (Rupees Fifty two lakhs Fifty one thousand only)

1. Indentor's copy: Dr. Debabrata Maity Dept. of NPMC 2. Accounts copy; 3. Office copy; 4. Guard File copy 5. Spare copy;



## Annexure

01. Solvent Delivery Unit LC-20AR 2 Nos.
- Parallel-type double plunger
  - Flow Rate : 0.01mL/min to 20mL/min
  - Flow Rate Accuracy No more than  $\pm 1\%$
  - Flow rate precision: 0.08% RSD
  - Maximum discharge pressure : 49Mpa
  - Constant solvent delivery supported.
02. Piping kit for Prep HPLC includes 1 Set
- |                           |   |
|---------------------------|---|
| FEMALE T 1.6FT316L-0.8 x1 | 1 |
| FERRULE 1.6F 316L x3      |   |
| MALE NUT 1.6MN x 3        |   |
| COUPLING 1.6C-0.8 316L x2 |   |
03. Mixer for Analytical & Preparative Assy 1 No.
04. Reservoir Tray 1 No.



05. AUTO SAMPLER, SIL-20ACHT BLK 1 No
- ✓ Injection method: Total volume sample injection, Variable injection volume
  - ✓ Injection volume setting range: 0.1 to 100 $\mu$ L (standard)
  - ✓ Injection volume accuracy: 1% max
  - ✓ Sample carryover: 0.005% max
  - ✓ Sample cooler: 4 to 40 °C
  - ✓ Operating temperature range: 4 to 35 °C
  - ✓ 1.5mL sample vials with cap & septa (100pcs)
06. CTO-20 AC BLK Column Oven 1 No.
- Forced air-circulation type column oven.
  - Equipped with a cooling function, using an electronic cooler.
  - Temperature regulation from 10°C below room Temperature to 85°C.
  - Temperature setting range: 4°C to 85°C
  - Temperature control Precision: 0.1°C max
07. Column Clamp Assy B8 1 No.
08. Sample injector and Column - Switching Valve (Analytical & Preparative) 1 No.
09. CBM-20A system controller 1 No.
10. SPD-20A UV-VIS Detector 1 No.
- Light Source: Deuterium (D2) Lamp
  - Wavelength range: 190 to 700 nm
  - Bandwidth : 8 nm
  - Wavelength accuracy:  $\pm 1$  nm
  - Wavelength reproducibility:  $\pm 0.1$  nm
11. Prep Flow Cell for SPD-20A 1 No.



12. SPD-M40 High Sensitivity Quantitative PDA Detector 1 No.
- - Light Source: Deuterium (D2) Lamp, Tungsten lamp
  - 1024 diode elements
  - Wavelength range: 190 to 800 nm
  - Wavelength accuracy:  $\pm 1$  nm max.
  - Wavelength precision:  $\pm 0.1$  nm max.
  - Noise:  $4.5 \times 10^{-6}$  AU
  - Linearity: 2.5AU (ASTM Standard)
  - Temperature control flow cell design for stable baseline and faster stabilization from ambient to 50° C
  - Excellent linearity through stray light correction mechanism
  - Band width of 1.2 nm & 8nm
13. Preparative Cell for PDA 1 No.
14. Degassing Unit, DGU-20A5R BLK 1 No.
- Five channel membrane degasser
  - 400  $\mu$ l Flow line capacity
  - Ghost peak reduction
15. FRC – 10A Fraction Collector BLK 1 Set.  
Head with Valve & Tray
- Small & large fraction collection capacity
  - Flexible collection methods
  - Rack 1 (accommodates 3.5ml & 4.5ml) test tubes.
  - 3.5ml Test tube...250pcs/set
  - Collects fractions by time, volume peak, peak. collection by level, slope, or subfractions by time  
Accommodates vials, micro titre plates, tubes, big bottles etc.
16. Lab Solution LC CS Connect Ready 1 No.
- LC Chromatography Software Single
  - Ready for Client Server Network Adaptability
  - Designed for Regulatory Compliance as below:
  - Project Environment & Database Support
  - Electronic Signatures & Audit Trails
  - Data Versions & Security Policies & Password Policies
  - User Group Instrument Access Rights
  - Seamless Data Base Management Function
  - LC and GC Control Integrated in a Common Platform



17. LabSolutions ADD PDA Connect CS Ready 1 No.
18. IQ/OQ Format E-License 1 No.
19. Solvent Bottles with Cap 5/pkt (1000 ml) 1 No
20. Power Cord 8 Nos.
21. Columns 1 Set.

Shim-pack GWS C18 (250x4.6mm, 5um)	1
Shim-pack GWS (G) C18, 5um, 4.0x10 with Cartridge (2pcs) and Holder	1
Shim-pack GWS (G) C18, 5um, 4.0x10 with Cartridge (2pcs)	4
Shim-pack GIS C18 (250 x 10mm, 10um)	1

22. Rheodyne Injector with loops & syringe 1 Set.

Rheodyne Injector with 20ul loop & Mounting Plate	1
25ul Hamilton Syringe	1
Sample loop, 500uL	1
Sample loop, 2ml	1
Sample loop, 5ml	1
5ml Hamilton Syringe	1

23. Local Supply 1 Set.

Suitable PC (3 year warranty) & Printer (01 year warranty) as per tender specifications	1
3 KVA UPS with inbuilt IT with 30 minutes backup (2 year warranty on UPS & batteries)	1

COSP

