



FOREIGN PURCHASE ORDER

File No: PUR/IICT/DMS/324/RE/23-24/5/2019

Dt: 17-01-2024

To,
M/s MicrotracBEL Corp.
8-2-52, Nanko-Higashi, Suminoe-ku
Osaka 559-0031 Japan
Email: info.scientific.in@verder.com

Sub: - Supply of "BELSORP MAX X-HP Gas and Vapor Adsorption Analyser with BELPREP- vac III and other accessories" - reg.

Ref: - 1. Our Tender Enquiry No. PUR/IICT/DMS/325/RE/23-24 and CPPP tender Enquiry No. 2023_CSIR_1704792_1 dt. 17-11-2023.
2. Your Bid Ref. No. MAX-II-HP/A354/IICT/1215/JPY & INR Dtd 15.12.2023
3. Revised offer received from your Indian agent M/s. Verder Scientific, Hyderabad vide email dtd 05-01-2024 after price negotiation.

Dear Sir,

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

SL No	DESCRIPTION	Qty	Unit Price In JPY	Total Cost in JPY
1.	BELSORP MAX X-HP Gas and Vapor Adsorption Analyser with BELPREP- vac III and other accessories as per specifications Make : MicrotracBEL Model: BELSORP MAX X-HP, BELPREP- vac III Detailed Specifications as per Annexure	1 Unit	1,10,00,000-00	1,10,00,000-00
Total CIP Hyderabad				1,10,00,000-00

However, Insurance shall be up to stores of CSIR-IICT, Hyderabad

TERMS AND CONDITIONS

- ORDER ACKNOWLEDGEMENT:** Kindly send order acknowledgment within **21 days** as a token of acceptance of our purchase order through Email: cosp@iict.res.in and csiriichyd@csiriict.in mentioning 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.
- DELIVERY:** The ordered material(s) should be dispatched within **160 Days** from the date of establishment and receipt of L/C.



3. **FREIGHT AND INSURANCE:** The freight and insurance will be borne by you firm.
4. **COUNTRY OF ORIGIN:** Japan
5. **PORT OF SHIPMENT:** Any airport from Japan.
6. **Partial Shipments are not allowed.** However, **trans-shipment** is allowed on international flightsonly.
7. **WARRANTY:** Warranty should be furnished for **36 months** from the date of successful installation and commissioning of the equipment and subject to final acceptance by the CSIR-IICT user.
8. **INDIAN AGENCY COMMISSION:** Your Indian Agent M/s Verder Scientific, Hyderabad is not claiming any Indian Agency Commission as per declaration given by said form.
9. **PAYMENT TERMS:** 100% Letter of Credit will be established on CIP value, payment will be done through our Bankers State Bank of India, IICT Branch, Hyderabad, Uppal Road, Hyderabad – 500 007, Telangana, India as per the following:

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.

10. **DETAILS OF DOCUMENTS TO BE SUBMITTED TO BANK:**

For claiming I part of 80% Payment.

- a) Airway bill 2 copies (with original)
- b) Original invoice with 4 spare copies showing 100% value but claiming 80%
- c) Pre-dispatch inspection certificate issued by the supplier.
- d) Packing list Original – with 2 spare copies. Please ensure to prepare and sent to us separate packing lists for each package/container of the consignment.
- e) Inspection Certificate that “having been inspected by your qualified Engineer and have been packed in accordance with the terms and conditions of our order”
- f) Certificate of delivery and inspection issued by the Purchaser.

Alongside, to ensure demurrage-free clearance of the consignment on arrival at Indian Customs, a **PRE-ALERT** enclosing relevant shipping documents (like MAWB/ AWB), Packing List, Invoice, etc.,) shall be sent to this office at least **48 hours in advance before its arrival at Indian Airport** to email id - : csiriicthd@csiriict.in / cosp@iict.res.in; with a **copy** of the same endorsed to our authorized CHA **M/s. East-West Freight Carriers Ltd., Hyderabad** (Email : infohyd@ewfcpl.com / aioperationshyd@ewfcpl.com). The arrival of shipment is to be scheduled in such a way that it should arrive at **Monday to Thursday** excluding holidays in order to enable us to file **Bill of Entry (BOE)** in advance. Failure to

provide the **PRE-ALERT** to our authorized clearing agent **M/s. East-West Freight Carriers Ltd., Hyderabad** well in advance shall make your firm liable to pay the applicable



demurrage or penalty levied by the Customs Authorities.

NOTE: As per the latest Indian customs circular, the bill of entry is to be filed **within 48 hours** and needs to be cleared within 48 hours of the landing of shipment at the Airport, otherwise Rs. 5000/- per day penalty is charged.

For claiming II part of 20% Payment.

- Invoice with 4 spare copies claiming 20% payment.
- Installation and final Acceptance certificate, subject to submission of required PBG, if any.
- Completion and integration of locally supplied item by your Indian Agent.

- 11 INSTALLATION, COMMISSIONING, AND DEMONSTRATION:** A qualified and factory-trained service engineer to be deployed by **M/s. Laser Spectra Services India Pvt Ltd, Bangalore, India should commission the supplied equipment free of the cost within one month** from the date of receipt of the ordered goods at our premises i.e., CSIR- IICT, Telangana, India. 2 days on-site training for two persons to be provided at CSIR-IICT at the time of installation.
- 12 LIQUIDATED DAMAGES:** Timely supply is the essence of stipulation in the delivery period of our purchase order, for our requirements have got 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 (one) 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. And, CSIR-IICT is at liberty to consider the termination of the contract subsequent to the attainment of maximum deduction.
- 13 Performance Bank Guarantee:** 10% PBG valid 60 days beyond the warranty period of 3 years which starts from the date of final installation and commissioning and to be submitted within 21 days from the date of issue of the Purchase Order, failing which order may be cancelled at the discretion of Director CSIR-IICT. The format of PBG is attached herewith.
- 14 PACKING:** Kindly, ensure that the material(s) is packed with a waterproof paper or with a polythene sheet and suitably cushioned to withstand the rigors of journey from one warehouse to another as per norms of international transit/packing. And, it is needless to say, that, all fragile item(s) should be packed in suitable crates. Each package should be suitably numbered and a copy of the detailed packing list relating to its contents should be kept inside the package. Kindly, keep a set of (i) Invoice, (ii) Complete packing list and (iii) Catalog/Pamphlet in a pouch externally fixed to the cases in a conspicuous location. The pouch should be a waterproof canvas cloth of suitable size or a polythene cover sealed on all sides and nailed to one of the sides of the case. The foregoing will help us and our clearing agents to arrange prompt clearance of the material(s) from the customs authorities in India.

All packages should bear the following marks:

Package number.....Order reference number.....Size....

Net weight.....Gross weight.....

Handle with utmost care delicate scientific material(s) for non-industrial research user.



Consignee: The Director,

CSIR- Indian Institute of Chemical Technology (IICT);

Uppal Road; Tarnaka; Hyderabad-500 607; Telangana;

Republic of India; Tel. No: +91-40-27193228, 27191246,1245

Email: cosp@iict.res.in; csiriicthyd@csiriict.in

IICT.GST No. 36AAATC2716R2ZF

Revised Service Accounting Code [SAC] No.:998393

Importer Code No. 0588137685

Note: All the ordered material(s) should be sent in a minimum number of packages to avoid huge airfreight charges.

15 RESOLUTION OF DISPUTES: 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), Delhi High Court, New Delhi. A reference to the Arbitration under this Clause shall be deemed to be submitted 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. ORDER SUBJECT TO HYDERABAD JURISDICTION ONLY.

16 PORT OF DESTINATION: Hyderabad, Telangana; Republic of India. The shipping details should be intimated to our clearing agent - M/s. **East-West Freight Carriers Ltd., Hyderabad, Telangana State, Republic of India** by way of Email : infohyd@ewfcpl.com or by courier service well in advance.

The terms and conditions and tender specifications and clarification thereof in our inquiry shall form part of this purchase order.

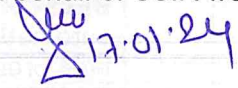
The following terms and conditions are applicable to the overseas associate agents only:

- i. The overseas associate agent shall contact the overseas vendor and regularly monitor the progress of the dispatch and, make arrangements to expedite the same. In addition to the above, they should also inform us the progress of the dispatch details from time to time well in advance.
- ii. The overseas associate agent should execute the supply on freight to collect basis within



- 10 (ten) working days from the date of receipt of the cargo from the overseas vendor.
- iii. The overseas associate agent is responsible and accountable for proper safety, handling and storage of the material(s) while the consignment is in their custody.
- iv. A Compatible Branded PC Will be supplied along with the system from the factory.
- v. 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-IICT,



(Dharmendra Kumar)
Controller of Stores & Purchase

Copy to:

Indian Agent :

M/s. Verder Scientific Pvt Ltd,
Plot No- 5A/10-11, IDA Nacharam,
Road No 1, Uppal Mandal,
Hyderabad 500076
Tel: +91 40 2980 6688
Email: balaji@laser-spectra.com

Clearing Agent :

M/s. East West Freight Carriers Ltd.,
Flat # S 11, 1st floor, Building # 1-11-252-AI-ID,
Street III, Alladin Mansion,
Begumpeta, Hyderabad -500016.
Email: infohyd@ewfcpl.com
Tel: 040-27765896
(Items to be delivered at IICT STORES DEPT)

Note: i) 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) from the customs authorities.

1. Indentor's copy: Dr. Abhjit Hazarika Scientist Div: PFM
2. Accounts copy; Budget Head: HCP- (48 A) for Rs.1,00,00,000/- (Rupees One Crore only)
3. Office Copy;
4. Guard File copy;

Annexure

Direct Import Items for BELSORP MAX X-HP - Extremely Low Pressure cum High Pressure Gas & Vapor Adsorption Analyser

SI #	Description	Qty
===	BELSORP MAX X-HP is a compact, high precision automatic gas / vapor adsorption analysers with high pressure gas adsorption measurement function. With MAX X-HP Adsorption isotherms can be measured from extremely low pressures to high pressure for accurate estimate specific surface area, pore characterisation of Microporous and Mesoporous samples. The dedicated analysis software BELMaster not only enables adsorption measurement of various gases under low and high pressure but also evaluation of adsorption rates in a single compact unit. Some of the applications include characterisation of microporous & mesopores material, CO2 reduction, energy storage, air separation, etc. MAX X HP is suitable for analysis of various materials such as moulded bodies, pellets, and fine powders.	===
===	The scope of supply of the offered Analyser includes the following items. Detailed specification sheet is enclosed	===
1.0	<p>BELSORP-MAX X-HP: A Four port system for high precision gas and vapor adsorption system. Includes two extremely low pressure ports, one High pressure port and one low pressure port. Suitable for specific surface area / mesopore / micropore analysis and vapor adsorption, high pressure gas adsorption. Kr adsorption is possible for low specific surface area analysis.</p> <p>Vapor adsorption system:</p> <p>All necessary accessories for gas / vapor adsorption measurement from -10 to 70 °C.</p> <p>Includes the following accessories</p> <ol style="list-style-type: none"> 1). Detachable thermostatic bath, 2). Vapour Port (Liquid bottle / Bubbler), 3). Circulation hose, and PP ball. <p>An external refrigerated / heating circulator is required, price for the same is indicated separately.</p>	1





	In-situ heater	Heats samples up to 550°C , 4 ports programable. For In-situ pre-treatment / Degassing of samples, also for Adsorption studies up to 550°C, 4 ports	
	Temperature controller-C	Capable to control heater temperature by measurement software.	
	Gas Selector	Accessory to expand the gas ports: 1 line to 4 lines gas. Total 6 gas inlet ports.	
	Software For Adsorption rate measurement	Analysis software Adsorption rate measurement for Port3	
	Control Software: BELControl: Operational Software: An intuitive and user-friendly operation software. Detailed control of the configuration and measurement settings is possible to optimize the measurement conditions (e.g. dosing settings, equilibrium criteria, leak test option, etc.). Includes Quick BET: Multi-point BET surface area in less than 12 minutes		
	Analysis Software: (BELMaster 7) : Adsorption isotherm, BET specific surface area I type (ISO9277), BET automatic analysis, Langmuir specific surface area, BJH, DH, CI, INNES method, t-plot. HK, SF, CY method, NLDFT / GCMC (OP BELSim™), MP method, Dubinin-Astakhov method, Difference adsorption isotherm, micropore analysis by CO2 adsorption. adsorption rate analysis		
	Accessories For Sample Pre-Treatment		
2.0	BELPREP-vac III: Degassing station for sample preparation of up to 6 samples simultaneously in vacuum, temperature range: RT up to 450°C , facility for pre-treatment with in an inert-gas flow.	1	
	Spares and Consumables		
3.0	The standard set of consumables and accessories for two years of use. (includes 12 sets of tubes, O rings, etc)	1	
	Additional Spares and Consumables		
4.0	Quick seal. 3pcs To prevent the sample from being exposed to the air.	1	
5.0	Large sample cell (MAX), 4pcs. 5cm³, MAX.500 °C.	1	
6.0	Glass rod for large sample cell, Glass rod (MAX), 4pcs	1	
7.0	Metal seal sample cell (For HP) - 3 no.	1	



8.0	UPG gasket, 10pcs for HP	1
9.0	Gasket with filter (2micron), 10pcs for HP	1
10.0	Rubber cap for metal seal sample cell 3 no. for HP	1
11.0	Dewar vessel heat insulation lid for high pressure sample cell 3 no.	1

COSP

LOCAL PURCHASE ORDER

No.PUR/IICT/DMS/324/RE/2020

Date: 17.01.2024

To,
M/s.
M/s. Verder Scientific Pvt Ltd,
Plot No- 5A/10-11, IDA Nacharam,
Road No 1, Uppal Mandal,
Hyderabad 500076
Tel: +91 40 2980 6688
Email: info.scientific.in@verder.com

Dear Sir,


Sub: - Supply of "PC, 5KVA UPS, Vacuum Pump, Chillers, Cylinders" - reg.
Ref: - Your Quotation No.: Your Bid Ref. No. MAX-II-HP/A354/IICT/1215/JPY & INR Dtd 15.12.2023 Dtd
05.01.2024

Kindly, supply the below material(s) as per the terms and conditions thereof: -

Sl. No.	Brief description of the material(s)	Qty	Rate/Unit Rs.	Amount in Rs.
1.	CO2 Gas cylinders, Recalculating Chillers, Branded PC, Vacuum Pump, 5KVA UPS having 60 minutes backup as per annexure	1 Each	8,35,067-00	8,35,067-00
Add GST @18%				1,50,312-00
Total for IICT Stores/Site				985,379-00

TERMS & CONDITIONS:

1.	Prices	FOR, CSIR-IICT, Stores, Hyderabad.
2.	GST	As mentioned above.
3.	Delivery	160 Days from the date of purchase ordered and the material to be delivered at CSIR-IICT Stores on all working days from 10:00 AM to 5:00 PM.
4.	Mode of Payment	NA
5.	Warranty	3 Years
6.	IICT GST Number: 36AAATC2716R2ZF, PAN No. AAATC2716R & TAN No. HYDI00674C	


Yours faithfully,
17.01.24
(Dharmendra Kumar)
Controller of Stores&Purchase
For & on behalf of CSIR-IICT,

Copy to:
M/s MicrotracBEL Corp.
8-2-52, Nanko-Higashi, Suminoe-ku
Osaka 559-0031 Japan
Email: info.scientific.in@verder.com

1. Indenters' copy: Dr.Abhjit Hazarika Division : PFM
2. Store copy, 3. Guard files copy. 4. Office copy

Annexure

Local supply items for BELSORP MAX X-HP - Extremely Low Pressure cum High Pressure Gas & Vapor Adsorption Analyser

SI #	Description	Qty	Unit Price In INR	Total Price in INR
1.0	Reference standards for micropore & mesopore range	1		
2.0	Vacuum Pump for BELSORP Analyser. Two stage oil sealed, rotary vane vacuum pump with 0.375kW single phase motor. 12MM OD Nozzle with KF25 end flange, SS. Local Supply Items - Indigenous Make	1		
3.0	Vacuum Pump for BELPREP pre-treatment accessory (Degassing Unit). Two stage oil sealed, rotary vane vacuum pump with 0.375kW single phase motor. 12MM OD Nozzle with KF25 end flange, SS. Local Supply Items - Indigenous Make	1		
4.0	Branded PC for data acquisition and analysis: latest mother board, 1 TB HDD, 16 GB or higher RAM, 21" or 24" LED screen, keyboard, mouse, licensed MS windows.	1		
5.0	Re-circulating Chiller from Being Instrument.	1		
6.0	CO2 Gas cylinders Ultra High Purity - Set of TWO	1		
7.0	CO2 Gas regulator - Set of TWO	1		
8.0	Heater for CO2 Gas regulator - Set of TWO	1		
9.0	He Gas cylinders Ultra High Purity	1		
10.0	He Gas Regulator	1		
11.0	Gas Lines: Pre-installation work including gas purification panel and plumbing for above gases.	1		
12.0	5 KVA UPS system	1		
13.0	Battery for above UPS for 60 min back up	1		



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