



**CSIR-CENTRAL GLASS AND CERAMIC RESEARCH INSTITUTE**  
[COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, CSIR]  
196, Raja S. C. Mullick Road, Jadavpur, Kolkata – 700032 (W.B.) India  
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website: <http://www.cgcri.res.in> email: [purchase@cgcri.res.in](mailto:purchase@cgcri.res.in)

**PURCHASE ORDER**

|   |          |  |
|---|----------|--|
| M/s. Microtest S.A<br>C/ Valle de Tobalina, 10, nave 3<br>28021 Madrid, Spain<br>Phone:- + 34 917 96 33 32<br>E-mail:- <a href="mailto:microtest@microtest-sa.com">microtest@microtest-sa.com</a> | P.O. No. | <b>PS-1/F/NC/379/DS/SPO/PT/18-19(Re)</b> |
|   | Date     | <b>20/01/2020</b>                        |

Reference:

1. Our Bid Document No. **PS-1/F/NC/379/DS/SPO/PT/18-19(R)** & subsequent **Corrigendum dated 19/07/2019 & Corrigendum dated 01/08/2019**.
2. Technical & Price Bid No. 190412.1 dated nil.
3. Our letter dated 24/09/2019.
4. Your reply letter dated 30/09/2019 vide your e-mail dated 01/10/2019.
5. Your letter dated 16/11/2019 vide your e-mail dated 18/11/2019.

Dear Sir,

I am directed to request you to kindly supply, install and commission the following material as per the enclosed terms & conditions.

| Sl. No. | Item Description         | Description   | Quantity | Unit price in Euro | Total Price in Euro |
|---------|--------------------------|---|----------|--------------------|---------------------|
| 1       | MICROTEST EM1/5E/2C/H-IR | Microtest EM1/5E/2C/H-IR Servo Electromechanical Load Frame<br>Including <ul style="list-style-type: none"><li>• EM1/5E/2c/H-IR Servo Electromechanical Load Frame</li><li>• ±5 kN Servo-electric actuator</li><li>• SCM3000 fully digital closed loop control system.</li><li>• SCM3000 modular testing software.</li><li>• Essential spares(1 set fuses and lamps, 1 set of cables)</li><li>• Basic tools for normal operation</li><li>• Manuals and documentation</li><li>• Calibration certificates</li></ul> | 1        | Included           | Included            |
| 2       |                          | 5KN Load Cell<br>Including <ul style="list-style-type: none"><li>• Conditioning electronics, cable and connectors</li><li>• All necessary couplings and fittings for the proposed load frame.</li></ul>   | 1        | Included           | Included            |
| 3       |                          | Microtest HT-IR1-900 SINGLE Zone INFRA-RED (IR) Furnace<br>Including <ul style="list-style-type: none"><li>• Quartz muffle</li><li>• Digital temperature controller</li><li>• Specimen and furnace thermocouples</li><li>• All necessary attachments and fittings for the proposed load frame</li><li>• All necessary mounting accessories for the proposed load frame.</li></ul>   | 1        | Included           | Included            |

*Ray*  
20/1/2020,  
आर. रे / R. Ray  
भण्डार एवं क्रय अधिकारी  
STORES & PURCHASE OFFICER  
सीएसआईआर - केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान  
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE  
196, राजा एस. सी. मुल्लिक रोड / 196, RAJA S.C. MULLICK ROAD  
कोलकाता / KOLKATA- 700 032

|    |  |       |   |                    |
|----|--|-------|---|--------------------|
| 4  | High Temperature Push/Pull Rods, 5 KN capacity at 900 ° C.<br>Including<br>• All necessary couplings and fittings for the proposed load frame.   | 1 Set | Included  | Included           |
| 5  | High Temperature Compression Platens, 100 MM Diameter<br>Including<br>• All necessary couplings and fittings for the proposed high temperature push/pull rods.   | 1 Set | Included  | Included           |
| 6  | Client Computer Dell OptiPlex 5060 Desktop PC including<br>• Original Microsoft Windows 10 Pro (64 Bit)<br>• Original Microsoft Office   | 1     | Included  | Included           |
| 7  | 1 KN Load Cell<br>Including<br>• Conditioning electronics, cable and connectors<br>• All necessary couplings and fittings for the proposed load frame.   | 1     | Included  | Included           |
| 8  | 2 KN Load Cell<br>Including<br>• Conditioning electronics, cable and connectors<br>• All necessary couplings and fittings for the proposed load frame  | 1     | Included  | Included           |
| 9  | 5 KN/2 KN Dual Range Load Cell<br>Including<br>• Conditioning electronics, cable and connectors.<br>• All necessary couplings and fittings for the proposed load frame.  | 1     | Included  | Included           |
| 10 | Spare Thermocouples with Calibration Certificate (Suitable for the Normal Operating Temperature Range)   | 2     | Included  | Included           |
| 11 | IR Lamps   | 1 Set | Included  | Included           |
| 12 | IOT BASED REMOTE MONITORING AND SUPPORT SERVICES BY MICROTEST ENGINEERS(S)<br>(20 hours for 1 year within warranty period)   | -     | Included  | Included           |
| 13 | Server Computer<br>Dell PowerEdge R7 40 2U Server will be supplied locally from India  | 1     | Free of cost  | Free of cost       |
| 14 | Erection, Installation, Commissioning and On-site training at customer site by Microtest Engineer(s).<br>Including:-<br>Complete installation and commissioning of the testing system.<br>On-site Training for 3 working days.<br>Demonstration of pressing of glass at high temperature in a pair of mould (glass and moulds to be supplied by CSIR-CGCRI). |       | Included  | free of cost       |
| 15 | All technical specification of each of the above items should be as per Page 6 to Page 29 of your offer no. 190412.1 dated nil.  |       |   |                    |
|    |  |       | Ex-works Madrid, Spain Value                        | 1,62,100.00        |
|    |  |       | (+) Packing & Forwarding charges                    | 1,350.00           |
|    |  |       | <b>Net F.O.B Madrid Airport Spain value in Euro</b> | <b>1,63,450.00</b> |

The Specifications of the goods and other services shall strictly conform to those laid down in your offer No. 190412.1 dated nil.

This Contract/Purchase Order shall be governed by:-

- (1) General Conditions of Contract and Special Conditions of Contract as detailed in the Bid Document and
- (2) Special Conditions of Contract enclosed with this Purchase Order.

It is requested that the Order Acknowledgement may kindly be made available to us, in order to enable us to establish an irrevocable Letter of Credit for an amount of **Euro 1,30,760.00 (Euro One Lakh Thirty Thousand Seven Hundred Sixty only)** being **80% (Eighty Percent)** of Contract Price/Order value in your favour. Balance **20% (Twenty Percent)**, i.e. **Euro 32,690.00 (Euro Thirty Two Thousand Six Hundred Ninety Only)** shall be remitted by Wire Transfer upon satisfactory Installation, Commissioning, Testing, Training, Demonstration etc. of all supplies, Acceptance Certificate issued by the Purchaser, fulfillment of all contractual obligations prescribed in Purchase Order and submission of Performance Bank Guarantee.

The Order Acknowledgement must be submitted immediately and in any case, within 14 days from the date of placement of this Purchase Order failing which, the order will be deemed as cancelled, and the Bid Security submitted by you/Indian Branch Office will be forfeited.

You are requested to return the duplicate copy of this Purchase Order, duly signed and stamped, as a token of your acceptance to this order.

Yours faithfully,

  
20/1/2020  
(R Ray)

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

Encl:

1. Terms & Conditions.
2. PBG Format.

आर. रे / R. Ray  
भण्डार एवं क्रय अधिकारी  
STORES & PURCHASE OFFICER

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कोलकाता / KOLKATA- 700 032

Copy to:

1. Indian agent
2. I.O. Dr. D. Sanyal, Email: dsanyal@cgcri.res.in
3. Stores Section, Email: lina@cgcri.res.in, swapanp@cgcri.res.in
4. Finance & Accounts, E-mail: accounts@cgcri.res.in
5. PMD, Email: sitendum@gmail.com
6. O/C

