**SHORT TIME TENDER**

**BIT/PUR/STT/CE/20-21//IC000524/2020 DATE:17/01/2021**

To,

**M/s. ..............................................**

Dear Sir,

Subject : Request for Quotation for Procurement CONTINUOUS PHOTOCHEMICAL REACTOR

You are requested to submit most competitive rates(s) for the following item(s) as per details given below (Sealed Quotations may be sent by hand or by post):

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| Last date and time for submissions of complete Quotations by  Email to dr.[purchase@bitmesra.ac.in](mailto:purchase@bitmesra.ac.in), [purchase.sanjay@bitmesra.ac.in](mailto:purchase.rakesh@bitmesra.ac.in) sealed quotations can be submitted to the under mentioned address. | **05.02.2021 15:00 Hrs.**  ( If all LTE Vendors submit the quotation prior to the submission date, the quotations will be opened prior to last date of submission.) |

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| Sr.No. | Item Description | **Quantity** |
| 1 | CONTINUOUS PHOTOCHEMICAL REACTOR  MOC: UV transparent chemically inert polymer tube  Total Reactor Volume: 60 ml (4 X 15 ml per plate)  Design Pressure: 20 bar  Temp. Range -20 to + 150 0 C  Reactor Fittings i) Inlet : ¼"- 28 UNF : 2 No ii) Outlet : ¼"- 28 UNF: 1 No  Heating/Cooling By circulating thermic fluid through SS Jacket with quartz glass  Jacket Design Pressure 3 bar  UV lamp 450W medium pressure mercury vapour lamp with appropriate quartz condenser for lamp cooling.  Glass for penetration of UV Rays Quartz Glass  Purpose Carrying out photochemical reactions Under UV light Source like Photo chlorination, Photo-bromination, Artemisinin Production, Production of E- Caprolactame, Photo Alkylation  OPTIONAL ACCESSORIES LIST  1. PTFE Dual headed pulseless piston pump with Saphire, Ruby, PTFE, PCTFE, ETFE and Kalrez wetted parts, Flow rate range: 0.01 to 99.99 ml/min for max 20 bar, Viscosity: upto 50 cp, Flow volume calibration, upper & lower pressure cutoff and indication, End Connections: ¼" 28 UNF fittings suitable for 1/8" OD tube Note: 1/8" OD PFA tubing and suitable fittings will be provided  2. Closed loop heating cooling circulator (CLM1) (Temperature range: -25 to 200 0 C at the outlet of closed loop system) with 1.5mt\*2 No's hose pipe & suitable thermic fluid of 20 liter. Note: The temperature difference between the closed loop and reactor system would be upto 10 0 C of set point  3. Pneumatically actuated diaphragm type Back Pressure regulator with PTFE Body, PTFE Diaphragm and Kalrez O-ring; Pressure 500 psi; along with Pressure hold up valve; forward pressure regulator with suitable tubes and fittings  4. Aluminum profile skid for reactor & accessories mounting  Terms & Conditions: Warranty 24 months from the date of installation. | **01 Nos.** |

Sealed Quotation may be submitted superscribed with reference number as appended hereunder:-

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| Quotation for Supply of ----  Ref.No. -------- **BIT/PUR/STT/CE/20-21//IC000524/2020**  To,  Dy. Registrar (Purchase)  Birla Institute of Technology From : M/s----------------------------------------  Mesra , Ranchi , Jharkhand Address : ----------------------------------------  835215 Contact No. -------------------------------------  Email ID--------------------------------------- |

GST Exemption: The Institute is partially exempted from the payment  
of GST vide GOI Notification No.45/2017-Central Tax (Rate), dated  
14.11.2017 and 47/2017-Integrated Tax (Rate), dated: 14.11.2017 the applicable IGST will be at the rate of 5%. Necessary documents (DSIR) and related certification will be provided.

1. HSN code of the material should be mentioned in quotation.
2. All entries in the quotation should be typed or computer printed without any ambiguity and should be free from correction etc. Hand written offers will be rejected.
3. Late and delayed tenders will not be considered. In case any unscheduled holiday occurs on prescribed closing date the next working day shall be the prescribed date of closing.
4. The quotation should be submitted with descriptive literature & drawing. The make of the items offered should be clearly specified.
5. Material should be confirming to our specification. The deviations if any should be clearly indicated in the quotations.
6. Successful bidder has to furnish the OEM test certificates along with the materials (if applicable).
7. Rate /Price: The offered price shall be on **FOR BIT Mesra on Door Delivery basis**.
8. If offered Price Term is other than the FOR-Destination term, approximate Freight & forwarding charges along with the applicable Insurance charges may be mentioned.
9. Details of GST registration, PAN No. should be furnished along with quotations.
10. Road Permit: The supplier shall arrange Road Permit on his own for transportation material to BIT Mesra and any additional tax liability on this account shall be borne and paid by the supplier.
11. Purchaser will not pay separately for transit insurance/taxes (if any) and the supplier will be responsible until the stores arrive in good condition at the destination.
12. Warranty: Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be applicable from the date of successful installation.
13. Service Facility: Supplier must mention about the service set up in India & confirm effective after sales service.
14. BIT Mesra is not bound to accept the lowest or any quotation for whatsoever reason and reserve its right to accept or reject in whole or in part any or all the quotations received without assigning any reason.
15. Applicable taxes shall be quoted separately for all items and levies payable by the supplier under the contract shall be included in the unit price.
16. Each bidder shall submit only one quotation and sealed quotation to be submitted / delivered at the address. (Alternatively it can be email at [purchase.sanjay@bitmesra.ac.in](mailto:purchase@bitmesra.ac.in) or dr.purchase@bitmesra.ac.in) or deliver by hand.
17. Training clause ( if any )to be mentioned.
18. Delivery period should be mentioned clearly in the quotation.
19. Conditional tenders will not be considered.
20. Authorized dealership certificate should be submitted in case principal manufacturing company is not quoting directly.
21. Customs Duty: The Institute is exempted from payment of Customs Duty Vide GOI Notification No. 51/96 Customs, dated 23.07.1996 & No.24/2007-Customs dated 01.03.2007 with registration no 11/161/90-TU-V dated 24.07.2019. Sd/-

Dy. Registrar Purchase

BIT Mesra Ranchi-835215