**SHORT TIME TENDER ENQUIRY**

**BIT/PUR/STT/SER/21-22//IC000315/2021 DATE:23/08/2021**

To,

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

Dear Sir,

Subject : Request for Quotation for Procurement HYPERSONIC SHOCK TUNNEL

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 (password protected)  Email to dr.[purchase@bitmesra.ac.in](mailto:purchase@bitmesra.ac.in), [purchase2@bitmesra.ac.in](mailto:purchase2@bitmesra.ac.in) sealed quotations can be submitted to the under mentioned address. | **13.09.2021 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 | HYPERSONIC SHOCK TUNNEL  Specs:  1. Shock Tube  Hand Driven Shock Tube, Material: SS 304, Driven section length: 400 mm, Driven section length: 600 mm, Internal diameter: 29 mm, Diaphragm material: Tracing paper (90-95 g/m2)  Shock Mach number range: 1.2-2.0, Piston Plunger material: SS 304, Accessories : Driver pressure monitor, Manufacturer: Instrument Research Associates (IRA) or similar, Maximum pressure: 10 bar, High Speed Pressure Sensor (3 nos.), Manufacturer: Free Scale Semiconductors/ Honeywell, Model: MPX5700ASX or equivalent, Supply voltage: 5 V DC  Sensitivity: 6.4 mV/kPa, Rated Maximum Pressure: 7 bar, Digital Oscilloscope, Manufacturer: Tektronix/ Fluke or similar, Input: 2 analog channels, Hand Operated Vacuum Pump, Manufacturer: MitVac or similar, Lower level of pressure: 150 mm-Hg  2. Table Top Shock Tunnel  Hand driven shock tunnel, Material: SS 304, Driven section length: 400 mm, Driven section length: 600 mm, Internal diameter: 29 mm, Diaphragm material: Tracing paper (90-95 g/m2)  Shock Mach number range: 1.2 - 2.0, Exit flow Mach number: 6.5, Piston plunger material: SS 304, Accessories: Driver pressure monitor, Manufacturer: CS Instrumentation, Working frequency: 3 Hz, Maximum pressure: 10 bar, High speed pressure sensors (3 nos.), Manufacturer: Free scale semiconductors/ Honeywell, Model: MPX5700ASX, Supply voltage: 5 V DC, Sensitivity: 6.4 mV/kPa, Rated maximum pressure: 7 bar, Digital Oscilloscope  Manufacturer: Tektronix or equivalent, Input: 2 analog channels, Hand operated vacuum pump  Manufacturer: MitVac, Lower level of pressure: 150 mm Hg, Convergent-divergent nozzle  Conical type, Inlet diameter: 29 mm, Outlet diameter: 78 mm, Design Mach number: 6.5  Test section, Size: 170 x 170 x 200 mm, Viewable window diameter: 100 mm  Dump tank, Rolled SS sheet of 368 mm outer diameter, Model mounting system provided  No. of ports: 2, Rotary vacuum pump, Double stage, Displacement: 100 lit/min, Power: 0.5hp  Electrical connection port, 9-pin port, 4 external BNC connections. | **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/SER/21-22//IC000315/2021**  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. No Advance payment will be considered at any circumstances.
9. If offered Price Term is other than the FOR-Destination term, approximate Freight & forwarding charges along with the applicable Insurance charges may be mentioned.
10. Details of GST registration, PAN No. should be furnished along with quotations.
11. 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.
12. 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.
13. 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.
14. Service Facility: Supplier must mention about the service set up in India & confirm effective after sales service.
15. 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.
16. 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.
17. Each bidder shall submit only one quotation and sealed quotation to be submitted / delivered at the address. (Alternatively it can be email at [purchase2@bitmesra.ac.in](mailto:purchase2@bitmesra.ac.in) or dr.purchase@bitmesra.ac.in) or deliver by hand.
18. Training clause ( if any )to be mentioned.
19. Delivery period should be mentioned clearly in the quotation.
20. Conditional tenders will not be considered.
21. Authorized dealership certificate should be submitted in case principal manufacturing company is not quoting directly.
22. 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