NOTICE INVITING QUOTATION

Sealed quotations are invited for the supply of following items in Heat Transfer Lab, Deptt. of MED. F.No.DTU/MED/HOD/804 dated 25/03/2022. The sealed quotations on company’s letter head including GSTIN No. with above File No. written on the sealed cover should reach to the office of the of Head of the Mechanical Engineering, Delhi Technological University, Delhi-110042 latest by 10.2.2023

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<th>S.NO.</th>
<th>Laboratory testing equipments (2) in HT Lab</th>
<th>Make</th>
<th>Qty.</th>
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| 1     | Stefan Boltzmann’s Apparatus  
Hemisphere dia.: 200mm(approx.) made of copper  
Jacket dia. 250mm(approx.) Made of Stainless Steel  
Test Disc Size: 20mm, 1.5mm thickness made of copper  
Water Tank: stainless Steel 12 Ltrs. capacity heater: Nichrome wire immersion heater.  
Temperature Control panel consist of:  
Dimmer stat: 0-2 A  
Voltmeter:0-250 V  
Ammeter: 0-5 A  
Digital display for temperature and control of input power of heater | Any   | 01   |
| 2     | Transient Heat Transfer Unit apparatus  
Copper rod: 20mm and 400mm length temperature controller with heater 220v, ac supply  
Temperature measurement: k type, Cr-Al thermocouples  
Digital Temp. indicator: 0-400 deg centigrade (with selector switch  
Flow measurement: vertical measurement  
Supply: 1ph,230 V, 15 A | Any   | 01   |
| 3     | Study the POOL BOILING  
Phenomenon & Different Regimes of POOL BOILING | Any   | 01   |
| Specimen size: Copper cylinder dia. 50mm and 30mm length
Glass container: 90mmOD, 6mm thickness, 250mm length.
heater 200Watts
Condenser: copper coil of 6mm dia.
End flanges: SS and MS.
Temperature measurement: K type. Cr-Al thermocouples
Dimmer stat: 0-2 A
Voltmeter: 0-250 V
Ammeter: 0-5 A
Digital Temp. indicator: 0-200 deg centigrade (with selector switch)
Time Measurement: by stop clock
Flow measurement: by measuring jar
Supply: 1ph, 230 V, 6 A |
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| Emissivity measurement apparatus
Test Plate dia. 160mm(approx.), Black plate Dia. 160mm(approx.)
Heater: 2nos. Nichrome wire immersion heater(one each for test plate and black plate)
Digital Temp. indicator: 0-2000 deg centigrade (with selector switch)
Temp. Sensors: RTD PT-100 typr
Temperature Control panel consist of:
Dimmer stat 0-2 A
Volt meter 0-250 V
Ammeter 0-5 A |
| 04 | |

P.V Ram Kumar
Officer In-charge
Heat Transfer Lab

Copy to:
1. Sr. Account Officer, DTU
2. HOD, (CC) to upload on DTU website
3. Notice Board, MED