

PIEAS TENDER NOTICE

A public sector organization invites sealed tenders from suppliers or their authorized agents/dealers/sole distributors for the following items on **FOR PIEAS Nilore Basis**. The sealed tender must be reached to the office of undersign up to **August 03, 2017** which will be opened on the same day.

| Name of Items | Tender No. | Last Date/Time | Date/Time of Opening |
|---|------------------------------|------------------------|------------------------|
| Supply of Lab Air-Conditioning System including :- <ul style="list-style-type: none"> • Basic Refrigeration System Trainer (Compression Type & Absorption Type), • HVAC Air-conditioning Lab Unit with Chamber, • Recirculation Air Conditioner Trainer and • Heat Pump Air to Water | PIEAS 674 L-129/2017-2018 | 03-8-2017 1330 Hrs. | 03-8-2017 1400 Hrs. |

TENDER DOCUMENTS

TENDER # L-129/2017-2018

LAB AIR-CONDITIONING SYSTEM (Quantity of all items is one)

| S# | Equipment Name | Specifications |
|----|---|--|
| | Basic Refrigeration Trainer (Compression Type) | Refrigerant: R-134a Compressor: Hermetic Type, 250-450 watts (7.2 / 32 °C); with two pressure switches. Refrigeration Capacity: 300-500 W Condenser: Air Cooled with Max. air flow rate : above 200 m³/h Evaporator: Max. air flow rate: above 150 m³/h Expansion Devices : Multiple Capillary tubes + Thermostatic Expansion valve Total Power consumption: Maximum 1000 Watts Sight Glasses: At inlet and exit of condenser and evaporator Instrumentation: Temperature sensors and pressure gauges at multiple locations for temperature and pressure readout. Refrigerant Receiver: Approximately 1.5-2.0 L |
| 2- | Basic Refrigeration Trainer (Absorption Type) | Working Fluid: Ammonia –Water Auxiliary Gas: Hydrogen Pump : Bubble Type pump Generator /Boiler Type: Both Electrical and fuel gas heated Electric Heater for Generator /Boiler : Maximum 200 W Heating Medium For Generator/Boiler : Propane/LPG/Natural Gas Evaporator Load Heater: Adjustable up to 100 W Igniter: Piezoelectric type Instrumentation: Temperature sensors and Heating power indicators for |

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| | | <i>generator/ boiler and evaporator.</i> |
| 3- | <i>HVAC Air-conditioning Lab Unit with Chamber</i> | <i>Main Components: Vapor compression based system with provision of fan/blower, air duct, steam humidifier, air re-heater and preheater. Refrigerant: R-134 a Fan/Blower Power: 150- 250 Watts Fan/Blower air flow rate: 500 -1000 m³/h Power rating for steam production heater: 0.5- 1 kW Steam production Capacity: 700- 950 Kg/h Evaporator capacity: 3 kW or above Air Pre-heater/ Re-heaters : Both up to 2 kW maximum</i> |
| 4- | <i>Recirculation Air Conditioner Trainer</i> | <i>Refrigerant: R-134 a Power rating: 200 W approximately Refrigeration Capacity: 300- 400 W approximately Power rating of Humidifier: 350 - 600 W Air Heaters: 300-500 W</i> |
| 5- | <i>Heat Pump air to water</i> | <i>System Type: Vapor Compression Refrigerant: R-134 a Compressor: Hermetic Type , 250-450 watts , with two pressure switches Condenser: water cooled Evaporator: Fan Cooled</i> |

Note:- A comprehensive warranty/guarantee of all the equipment must be ensured.

Terms/Conditions

- Sealed Offers must be reached to the office of undersigned up to **August 03, 2017**.
- The envelopes shall be marked as “**Tender Number**” and “**Date of Opening**” in bold and legible letters to avoid confusion.
- The rates must be quoted on **FOR PIEAS P.O. Nilore Basis**.
- The bids shall be opened on **August 03, 2017 at 1400 Hrs.**
- The bid found to be the lowest evaluated shall be accepted.
 - Two percent (02%) of quoted value as earnest money in the name of PIEAS in the shape of DD/PO must be accompanied with the quotation otherwise tender will not be entertained.
 - The payment would be made after inspection of store.
 - All the prescribed taxes will be implemented.
 - Incase the stores are not supplied according to the specifications mentioned in the contract the same will be replaced by the supplier at his own cost.
 - PIEAS has the right to reject any or all offers without assigning the reason.

Incharge Procurement
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