

University of Engineering and Technology Mardan

Department of Mechanical Engineering

Pre- bid meeting clarification of Lab equipment Phase III Purchase

| Hydraulic and Fluid Mechanics Lab | | | |
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| S. No | Item | Query | Clarification (Revised Specs) |
| 2.1 | Tilting Flume 15 feet long with all auxiliaries | Clarification regarding length of tilting flume | Length has been revised. Revised Specifications: Tilting Flume 4 meter long with all auxiliaries <ul style="list-style-type: none"> • Studying the channel flow. Studying the flow of a tilted channel • Determining the height of a free surface in relation to the rate and inclination. Studying the flow on the elements immersed in the channel. AISI 304 stainless steel structure • Dimensions: Length: 4 m • Channel dimensions: Width: 76mm Height: 250mm Length:2500mm |
| Power Plants lab | | | |
| S. No | Item | Query | Clarification (Revised Specs) |
| 4.1 | Steam power plant with PC data Acquisition | With or without cooling tower | With cooling tower. Revised Specifications: Laboratory scale steam power plant, Oil-heated instantaneous boiler 100 kW, steam, output 120kg/h at 10bar, Electrical super heater 6 Kw, Steam turbine 1.5kW at 3000rpm, vacuum or exhaust operation, Water-cooled condenser 95kW <ul style="list-style-type: none"> • System equipped with PC data acquisition • Monitoring and control of the system using an integrated PLC • Feed water treatment unit • Detailed instruction manual • Operation with cooling tower • cooling water connection necessary |
| Workshop | | | |
| S. No | Item | Query | Clarification (Revised Specs) |
| 10.1 (a) | Pattern Milling Machine | Details of movement of tool axes (Degree of freedom) | Three axes Specifications : <ul style="list-style-type: none"> • Longitudinal Table 1400 mm • Cross Table 900 mm • Vertical Head 700 mm • Circular movement of table 3600 • Swivel of milling head on either side 450 • Spindle power 2.5/3 KW |

Note: The country of origin for each equipment has already been specified in the tender document based on the requirements.