

## *Section VI. Schedule of Requirements*

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item No.	Description	Quantity	Unit	Delivered, Weeks/Months
1	Slotted masses Item Weight 5-500g Material Stainless Steel	5	set	Sixty (60) calendar days
2	Pump (- Max. Infusion Distance: 90 mm - Acceptable Sample Syringe: 5µl – 60ml - Linear Speed: 7.9 µm/min - 79.4 mm/min - Adjusting Resolution: 7.9 µL/min - Distance Resolution: 0.165 µm - Linear Force: > 90 N - Setting Mode: Membrane keypad and rotary coded switch - Control Accuracy: <0.5% (when the stroke is more than 30% of the full stroke) - Display: 128x64 Graphic LCD - External Control Interface: Start/Stop control, fast forward control, fast reverse control - Communication Interface: RS485 - Power Supply: AC 100 V - 240 V or DC12V - Power Consumption:< 40W - Operating Condition: Temperature 0 to 40°C, relative humidity < 80% - Controller Dimensions (L x W x H): 235 x 178 x 74 (mm) - Controller Weight: 0.9Kg - Drive unit Dimensions (L x W x H): 245 x 100 x 95 (mm) - Weight: 1.3 Kg - IP Rating: IP41 )	1	unit	Sixty (60) calendar days
3	Cabinets for Laboratory ( (W85xD40xH185 cm )Grey Made of 0.6 mm thick cold-rolled steel sheet in the powder-coated finish with 2.5 mm thick ordinary glass. Normal lock with key.)	4	pc	Sixty (60) calendar days
4	Centripetal Force Apparatus (Rotating arm length 24.6 cm Motor 12 VDC, 0.5 A Frame dimensions 15 x 11.5 x 8.5 cm Frame mass 2.10 kg Free mass holder mass (with screws) 4.0 g Fixed mass holder mass (with screws) 2.5 g Ball bearing swivel mass 12.5 g )	2	pcs	
5	Cork (High quality rubber material, non-toxic, non-irritating, corrosion resistant from acid and alkaline. Rubber plug is in chemical experiments used to seal equipment, mainly used in pharmaceutical, chemical, mechanical, and scientific research industry. Stopper or plug, is mainly used for the container or sealed glass tube perforation of the carrier. (which can be conveniently used to make holes in the diameter of each of them). Type: Rubber	5	pcs	Sixty (60) calendar days

*Schedule of Requirements - Proposed Procurement of the Supply and Delivery for Chemistry and Physics Laboratory Supplies for USTP-Alubijid Campus*

	Stopper Material: Rubber Temperature Range: -20 ~ 100 Celsius Degree Features: Non-toxic, Corrosion Resistant, Easily Perforated Size: (Upper Diameter x Lower Diameter x Height) 000#: 12.5 x 8 x 17mm )			
6	Cutter Blade (Color Family: Silver Size & Spec.:100×15×8MM(box) Material: Carbon tool steel Spec. 1 : 0.4×9×70MM(blade) Spec. 2: 8 snap-off blades Sales Point 1: Hard SK5 steel blade for easy cutting Sales Point 2: Easy access and hangable PP box package Sales Point 3: 30 degree blade tip for sharper, easier cutting )	13	pcs	Sixty (60) calendar days
7	Digital Multi-Tester ((Basic Features: Counts: 50,000 True-rms readings: ac+dc Basic dc accuracy: 0.025% Wide bandwidth: 100kHz Auto/Manual ranging: • / • Digits: 4-1/2 Measurements: Voltage ac/dc: 1000V Current ac/dc: 10 A Resistance: 500 MΩ Frequency: 1 MHz Capacitance: 100,000 μF Temperature: (+) 1350 °C Conductance: 50 nS/ 60 dB)	10	unit	Sixty (60) calendar days
8	Digital Oscilloscope 100M Hz 1G SA 2 CH Color TFT (320x234)5.7-inch LCD screen Memory depth of ADS1000 is 4K and that of ADS1000M is 2M	4	unit	Sixty (60) calendar days
9	Dynamic Cart and Frictionless Dynamic Track (Combination 1.2 m Track/Optics Bench; Standard Cart with magnetic and hook-and-pile end caps;Plunger Cart with magnetic and hook-and-pile end caps; 4 hexagonal masses, 125 g each; Mounting hardware for Dual-Range Force Sensor and accelerometers; Adjustable End Stop;2 Adjustable Two-Foot Levelers; Motion Detector Bracket;Motion Detector Reflector Flag Rod Clamp; 2 Photogate Brackets; Ultra Pulley; Pulley Bracket Fasteners for Force Sensor and Accelerometer)	5	set	Sixty (60) calendar days
10	Fuse wire (Length: 60m Outer Diameter: 0.71mm Maximum Operating Temperature: +1150°C Conductor Material: Nickel Chrome Alloy )	3	meter	Sixty (60) calendar days
11	Glass plate of size similar to friction board Type: Clear, Size: 4" x 4"	5	pcs	Sixty (60) calendar days
12	Hanging mass Item Weight 500g Material Stainless Steel	10	pcs	Sixty (60) calendar days
13	Laboratory Stool for Physics and Chemistry Laboratory (Laboratory Stool for Physics and Chemistry Laboratory (Seat Size: W30xD30cm	59	pc	Sixty (60) calendar days

	Height: 76 cm Molded resin seat board, epoxy coated steel legs and frames with hard rubber footing.)			
14	Mass with Hook (Capacity (g) 500,00 g Capacity (kg) 0,50 kg Material Stainless Weight class M1 )	5	pcs	Sixty (60) calendar days
15	Metal Rods (10mm steel bar weight:- 10mm of steel bar, rod)	5	pcs	Sixty (60) calendar days
16	Metal stand (Material : iron Color: Blacksilver Size: Length of pole: 50cm Base: 19x12cm	5	pcs	Sixty (60) calendar days
17	Phenolphthalein Sulfuric Acid Solution DO meter (Phenolphthalein, Indicator Solution in 95 Percent Isopropyl Alcohol, Concentration 1 Percent w/v, Chemical Container Material Plastic, Chemical Container Type Bottle, Chemical Grade Lab, Chemical Container Size 500 mL, Chemical Family Type Standards and Solutions, Shelf Life 24 mo .)	5	pcs	Sixty (60) calendar days
18	Platform/Triple Beam Balance ( Capacity: 2610g Readability: 0.1g Pan Size: 152mm ø Weighing Units: g Stabilization Time (sec): 3 Calibration: External Display: Graduated beam with 7mm-high digits Housing: Die-cast aluminum Overall Dim: 550x110x160mm (wxdxh) Net Weight: 2.7kg	5	unit	Sixty (60) calendar days
19	Power Supply (( Specification for 0-40 V/0-50A DC Power supply) Input: 230 V AC,+/- 10%, 50 Hz, Single phase. Output Voltage: 0 – 40 V DC continuously variable through coarse and fine potentiometers. Load current: 0 – 50 Amps (with settable limit from 0.2 A to 52 Amps max. thorough Coarse and Fine Potentiometers Line Regulation: +/- 0.015 % of max output voltage or better for variation in input voltage. Load Regulation: +/- 0.015 % of max output voltage or better for variations load current. Ripple: Less than 2 mV rms or 10 mV peak to peak. Protections: a) Fuse protection is provided at AC Input. b) Unit Output is protected against overloads and short circuits. c) Miniature Circuit Breaker is provided at AC Input. Controls: a) ON/OFF Circuit Breaker at AC Input b) Coarse and Fine Voltage set potentiometers on front panel. c) Coarse and Fine Current set potentiometers on front panel. )	4	unit	Sixty (60) calendar days



20	Ramp/launcher Ranges 1.2, 3, 5 m Launch Angles 0 to +90° Launcher Length 21 cm	5	pcs	Sixty (60) calendar days
21	Spring Spring constants range from 4 N/m to 14 N/m. Spring lengths vary between 11 cm and 22 cm.	64	pcs	Sixty (60) calendar days
23	Time of flight receptor pad	5	pcs	Sixty (60) calendar days
24	Tripod (Rings and legs made of chromeplated steel Round ring Triangular sharped With rubber caps Diameter 150mm Height 200mm )	5	pcs	Sixty (60) calendar days s
25	Waveform Signal Generator (5MHz AC 110-220V 2Channels 100MSa/s Sweep Modulation Shift Keying Burst Function )	4	unit	Sixty (60) calendar days
<b>***** Nothing Follows*****</b>				

