

## Section 7. Technical Specifications

The Goods and Related Services shall comply with following Technical Specifications:

Sl. No.	Description	Unit of Measurement	Qty.
1	2	3	4
01.	<p><b>Portable Oscilloscope</b>                      Model: Fluke- 190-502/S or equivalent.                      190 Series II Fluke 190-502/S Fluke 190-502/S Scope Meter® Test Tool                      Color Scope Meter® Bandwidth:- 500 MHz,                      Number of channel: 2 channels  <input type="checkbox"/> <b>DMM/Ext. input</b>  <input type="checkbox"/> <b>C290 Hard-shell Carrying Case</b>  <input type="checkbox"/> <b>SW90W Fluke View for Scope Meter Test Tool</b>  <input type="checkbox"/> <b>Windows® software • 2 AA</b>  <b>Channel architecture:</b> All inputs fully insulated from each other and from ground, Inputs may be activated in any combination                      Input coupling: AC or DC, with ground level indicator  <b>Input sensitivity:</b> 2 mV/div to 100 V/div, plus variable attenuation  <b>Bandwidth limiter:</b> User selectable: 10 kHz, or full bandwidth  <b>Accuracy:</b> ± (2.1 % of reading + 0.04 x range/div) @ 5 mV/div to 100 V/div  <b>Input impedance:</b> 1 MΩ } 1 % // 14 pF } 2 pF                      Display: 153 mm (6 in) full-color LCD with LED backlight  <b>Waveform Compare:</b> Provides storage and display of a reference waveform for visual comparison with newly acquired Wave forms. Reference is derived from an acquired waveform and can be modified in the oscilloscope.  <b>Memory depth:</b> 30,000 data points, each holding min/max pair of information.  <b>Line power:</b> Mains adapter/battery charger BC190 included,  <b>Battery power:</b> Re-chargeable double capacity Li-Ion battery (included).                      Battery swappable through easily accessible battery door at the rear of the instrument, BP290: 2400 mAh [BP291 (4800 mAh) optional]  <b>Operating temperature:</b> 0 °C ~ +40 °C; 0 °C ~ +50 °C excluding battery.                      With all accessories.                      Brand: Fluke /equivalent.                      Country of origin: G7/EU.</p>	set.	01
02.	<p><b>Insulation Resistance Tester</b>                      Model: Fluke 1507 /equivalent.  <b>Includes:</b>                      Remote probe, Test leads, Test probes, Alligator clips, User documentation &amp; C101 Hard Case.                      Range: 600V AC/DC, Resolution: 0.1V,                      Input impedance: 3 MW (nominal), &lt; 100 pF                      Common mode rejection ratio (1 kW unbalanced): &gt; 60 dB at dc, 50 or 60 Hz.                      Overload protection: 600 V rms or dc                      Measurement range: 0.01 MW to 10 GW model 1507, 0.01 MW to 2000 MW model 1503                      Test voltages: 50 V, 100 V, 250 V, 500 V, 1000 V                      Short-circuit test current: 1 mA nominal                      Auto discharge: Discharge time &lt; 0.5 second for                      C 1 μF or less Live circuit detection: Inhibit test if terminal voltage &gt; 30 V prior to initialization of test                      Maximum capacitive load: Operable with up to 1 μF load. IP rating: IP40,                      Batteries: Four AA batteries (NEDA 15A or IEC LR6), Included accessories:                      TL224 Test Leads, TP74 Test                      Probes, clips PN 1958654 (red) and PN 1958646 (Black), holster and remote probe.                      Brand: Fluke /equivalent.                      Country of origin: China/G7/EU.</p>	no.	01
03.	<p><b>Digital Multi-meter:</b>                      Model: Fluke 17B+/equivalent.</p>	pcs.	02

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	<p>Includes:  Test leads with caps, Thermocouple temperature probe (17B+), 2 AA batteries,  Measuring quantity:  Voltage, Current both Ac &amp;DC, Resistance, Capacitance, diode testing.  Measuring Range:  Voltage: 0-1000V.(AC,DC)  Resistance: 0-40MΩ.  Capacitance: 0-100 uF.  Current: 0-10A (AC,DC)  Accuracy: .5%. Resolution: .5%.  Display (LCD): 4000 counts, updates 3/sec  Battery type: 2 AA, NEDA 15 A, IEC LR6  Battery life: 500 hours minimum (50 hours in LED Test mode without load.  The hours with load depends on the type of LED under test.)  <b>IP rating:</b> IP40.  Brand: Fluke /equivalent.  Country of origin: China/G7/EU.</p>		
04.	<p><b>Electrical Tester</b>  <b>Model: Fluke 1AC-A1-II VoltAlert™ /equivalent.</b>  <b>Operating range:</b> 200 – 1000V AC  <b>Batteries:</b> Two AAA Alkaline.  <b>Size (H):</b> 148 mm  Brand: Fluke /equivalent.  Country of origin: China/G7/EU.</p>	pcs.	04
05.	<p><b>Cable Continuity Tester</b>  Model: Visi Fault™ Visual Fault Locator or Equivalent.  With Accessories NF380 universal adapter.  Fiber compatibility: multimode and single mode  Wavelength: 650nm (visible wavelength)  Laser safety rating: class II  Output power: 1.0mW max.  Output modes: continuous (steady) and flashing (2-3Hz pulsed)  Range: 3 km multimode, 4 km single mode.  Accuracy: .5%, Regulation: .5%. Adapter: 2.5mm universal  Adapter cap: tethered protective end cap  Controls: on/off, continuous/flashing  Battery type: 2 x AA  Battery life: &gt; 80 hours in continuous mode  Carry case: soft sided with belt loop  Brand: Fluke /equivalent.  Country of origin: G7/EU/China.</p>	no.	01
06.	<p><b>Optical fiber Power Meter &amp; Fiber Test Kit.</b>  Model: Simple fiber Pro Optical Power Meter &amp; Fiber Test Kit or Equivalent  Including five unique fiber platforms: the power  Meter, the multimode source, two single mode sources, and the Find Fiber™  Remote ID source. The optical power meter is included in all kits and is calibrated  for accuracy at six different wavelengths (850, 1300, 1310, 1490, 1550, 1625nm).  Ensure smooth, clean fiber connections:  Includes The FI-500 Fiber Inspector™ Micro with 4 UPC tips (LC, SC, 1.25 mm  and 2.50 mm). APC and ARINC 801 tips.  Copper and Fiber Basic Technician's Kit:  Include both copper and fiber cabling, the Copper and Fiber Basic Technician's  Kit (MS2-FTK) provides the right set of tools.  Features:  Dual-wavelength testing, Check Active™, Find Fiber Remote ID, Auto  wavelength, USB port, Saves 1000 results, Min/max, Six calibrated wavelengths.  Brand: Fluke /equivalent.  Country of origin: G7/EU.</p>	set.	01
07.	<p><b>Pneumatic Test and Control Panel, completed with electrical  drive unit.</b>  <b>Model:</b> VCP-2 or equivalent.  Supply Pressure: 0~7(0~100PSI) Bar.  Output Pressure: 0~2(0~30PSI) Bar.</p>	set.	01

<p>Signal control loop current: 4~20mA.  Supply power: 230V, 50Hz.  The inlet line is completed with ¼" connector with filter / strainer unit and 0-10 bar / 145 PSI pressure gauge. The delivery includes a set of test hoses (2), length 1.5 meter, with quick couplers.  <b>Including one Trolley for Actuator transportation.</b>  Brand: Ventil /equivalent.  Country of origin: G7/EU.</p>		
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- Note 1. দরপত্রদাতা-এর একক চুক্তির অধীনে বিগত ০৫ বছরের মধ্যে কোন সরকারী/ আধা-সরকারী/ স্বায়ত্ত্বশাসিত অথবা সরকারী মালিকানাধীন কোম্পানীতে কমপক্ষে ১২ (বার) লক্ষ টাকার সমজাতীয়/যান্ত্রিক/বৈদ্যুতিক মালামাল সরবরাহের অভিজ্ঞতা থাকতে হবে এবং অভিজ্ঞতার সনদপত্র অবশ্যই দরপত্রের সহিত দাখিল করতে হবে। প্রয়োজনীয় যোগাযোগের জন্য অভিজ্ঞতার সনদটি অবশ্যই "End User"-এর Letter Head Pad-এ সুস্পষ্টভাবে নাম, ঠিকানা, ফ্যাক্স ও ফোন নম্বর, ই-মেইল ও ওয়েবসাইট প্রভৃতি সম্বলিত হতে হবে।
- Note 2. দরপত্র দাতাকে দরপত্রের সাথে অবশ্যই হাল সন নাগাদ ট্রেড লাইসেন্স, আয়কর সনদপত্র, ভ্যাট সনদপত্র ও ব্যাংক কর্তৃক অতি সম্প্রতি (দরপত্র আহবানের পূর্বে নয়) ইস্যুকৃত উদ্ধৃত মূল্যের সমপরিমাণ বা ততোধিক মূল্যের আর্থিক স্বচ্ছলতার ব্যাংক সলভেন্সী ডকুমেন্ট (Liquid Asset/Working Capital/ Credit Line) অবশ্যই দরপত্রের সহিত দাখিল করতে হবে।
- Note 3. দরপত্র দলিল এবং দরপত্র দলিলের সাথে দাখিলকৃত প্রতিটি দলিলে দরপত্রদাতার সীল ও স্বাক্ষর অবশ্যই থাকতে হবে।

Signature:	
Name:	
In the capacity of:	
Duly authorized to sign the Tender for and on behalf of the Tenderer	


