OFFICE OF THE DIRECTOR CUM PRINCIPAL ATAL BIHARI VAJPAYEE GOVERNMENT INSTITUTE OF ENGINEERING & TECHNOLOGY, PRAGATINAGAR, DISTRICT-SHIMLA (HIMACHAL PRADESH) 171202.

Tele: 01783-253919 Fax: 253919 Email: abvgiet.2011@gmail.com Website: https://www.abvgiet.org/ Dated-9.12.2025 No-ABV9/ET/StoreBT/Limited Tender/2025-26/3735-3743

LIMITED TENDER NOTICE

(Limited Tender No. ABVGIET/Store/B.Tech/Limited Tender/2025-26/

Sealed limited tenders are invited from eligible manufacturers/firms/authorized dealers for the supply of Civil Engineering Laboratory Equipment as per specifications given in this tender document. The bids must be accompanied with Earnest Money as prescribed in the bidding schedule in the form of Demand Draft duly pledged in favour of Director-cum-Principal, ABVGIET Pragatinagar.

A complete set of bid documents along with detailed terms and conditions can be obtained from the institute website (abvgiet.org) or from the office of the undersigned.

The following procedure will be adopted:

- 1. Tenders in a sealed cover shall comprise two separate envelops, each envelop shall contain separately the technical bid and the financial bid. The envelops shall be marked as 'Technical Bid' and 'Financial Bid' in bold and legible letters to avoid any confusion.
- 2. Initially technical bid will be opened.
- The technical bid shall be evaluated without reference to the price and will be rejected which does not conform to the specific technical criteria.
- 4. During the technical evaluation, no amendments to the technical proposal shall be permitted.
- 5. The financial bid will be opened after the evaluation of technically qualified bidder.
- 6. The bid found to be the lowest evaluated in cumulative shall be accepted.
- 7. This office will not be held responsible for the postal delay, if any.
- 8. Undersigned reserves the right to accept or reject all or any of the tenders without assigning any reason(s).

Director cum Principal Atal Bihari Vajpayee Govt. Institute of Engg. & Technology

Pragatinagar Distt. Shimla HP 17/202

OFFICE OF THE DIRECTOR CUM PRINCIPAL ATAL BIHARI VAJPAYEE GOVERNMENT INSTITUTE OF ENGINEERING & TECHNOLOGY, PRAGATINAGAR, DISTRICT-SHIMLA (HIMACHAL PRADESH) 171202.

Tele: 01783-253919 Fax: 253919 Email: <u>abvgiet.2011@gmail.com</u>Website: <u>https://www.abvgiet.org/</u>
No. ABVJIET/STR/ Limited Tender / 2025-26/3 735-3743 Date. 9.1.2.2025

Limited Tender Document

To,	

	•••••
	•••••

From:

Director cum Principal
Atal Bihari Vajpayee
Govt. Institute of Engg. & Technology
Pragatinagar Distt. Shimla HP 171202.

OFFICE OF THE DIRECTOR CUM PRINCIPAL ATAL BIHARI VAJPAYEE GOVERNMENT INSTITUTE OF ENGINEERING & TECHNOLOGY,

PRAGATINAGAR, DISTRICT-SHIMLA (HIMACHAL PRADESH) 171202.

Tele: 01783-253919 Fax: 253919 Email: abvgiet.2011@gmail.comWebsite: https://www.abvgiet.org/

No. ABVJIET/STR/ Limited Tender / 2024-25/01

C	N	_																	
S.	14	U	• •	•	•	• •	•	•	•	•	•	• •		•	•	•	•		

Limited Tender Document for the supply of Machinery and Equipment's required in ABVGIET Pragatinagar, Distt. Shimla-171202 (H.P)

General Information

1	T::4-141-C 1 C							
1	Limited tender for supply of	Machinery & Equipment						
2	Limited Tender Reference	ABVGIET/Store/B.Tech/Limited Tender/2025-26/01						
3	Last date and time for receipt of tender	26-12-2025 at 02:00 PM						
4	Time and date of opening	26-12-2025 at 03:00 PM						
	of tender							
5	Place of opening of tender:	Office of Director-cum-Principal, ABVGIET						
		Pragatinagar						
6	Address for communication	ABVGIET Pragatinagar, Distt. Shimla-171202 (H.P)						
7	Estimated cost	9,70,000/-/- Rupees only						
8	Earnest money	Rupees 10,000/- only						
9	Performance Security	Rupees 25,000/- only						
10	Cost of limited tender document	Rupees 500/- only (Rs. 600/- by post)						

Director cum Principal Atal Bihari Vajpayee

Govt. Institute of Engg. & Technology Pragatinagar Distt. Shimla HP 17 202.

SECTION-A

1.	Name of the firm/Organization	;	
2.	(a) Registration No	:	
	(b) GST No.:	:	
	(c) TAN/PAN:		
3.	Complete Postal address	;	
		:	
		:	
4.	Phone No. with STD code :		
5.	E-mail address (if any):		
6.	Whether Manufacturer/Dealer/Sup	pplier:	
7.	Total Amount of items Tendered		
	(Excluding taxes) in words	:	
8.	Detail of earnest Money Draft No	o. & Date	:
		Amount	:
		Bank	:

(Signature of the Tenderer with seal)

SECTION-B

Schedu	le of R	equirement

Sr. No.	Description of item(s)	Qty.
Schedule – A		
	Supply of Machinery and Equipment required in ABVGIET Pragatinagar	As per list attached in section C

Director cum Principal Atal Bihari Vajpayee Govt. Institute of Engg. & Technology Pragatinagar Distt. Shimla HP 171202.

SECTION-C

DETAILED SPECIFICATION OF THE ITEMS MENTIONED IN SCHEDULE-A

S. N	Description of iter	m	Qty.
	LIST of Machine	ry and Equipment required in ABVGIET Pragatinagar (HP)	
1	Velocity (UPV)	Ultrasonic Pulse Velocity (UPV) Apparatus	1
	Apparatus	(As per IS 516 (Part 5/Sec 1):2018 and ASTM C597)	
		Purpose: Non-destructive testing of concrete; direct/semi-direct/indirect transmission.	
		Technical Specifications:	
		• Velocity Range: 1.0–6.0 km/s	
		 Time Range: 0.1 μs to 9999 μs 	
		 Time Resolution/Accuracy: ≥0.1 μs; ±0.1% 	
		Display: Digital LCD/TFT with transit time and velocity	
	v.	Path Length Input with automatic velocity calculation	
		Operating Frequency (Transducers): 20–150 kHz, standard 40–60 kHz	
		Gain Selection: Multiple steps	
		 Pulse Generator: High energy output suitable for concrete 	
		 Data Storage: ≥500 readings, retrieval on screen 	
		PC Interface: USB with software	
		Transducers:	
		One pair, compression wave type	
		Coaxial cables (min. 3 m each)	
		Couplant/gel supplied	
	ū.	Calibration:	
		Zero-time correction	
		Standard calibration rod supplied	
		Power & Environment:	

	1	D 220 W. A.G	
		Power: 230 V AC + internal rechargeable battery	
		Backup: 6–8 hours	
		• Working Temp: 0°C–50°C	
		Accessories:	
		Instrument unit, transducers with cables, calibration bar, couplant, charger, carrying case, manual	
		Warranty:	
		Minimum 2 years (instrument)	
2	Aggregate Impact Testing Machine	The Aggregate Impact Testing Machine, conforming to IS: 2386 (Part 4) and IS: 9377, is designed to determine the aggregate impact value (AIV) of coarse aggregates, assessing their toughness and resistance to sudden shock or impact. The equipment consists of a robust, heavy-duty metal base and a vertical cylindrical guide that ensures smooth and consistent movement of the hammer. The hammer, weighing 13.75 ± 0.05 kg, is provided with a 25 ± 0.5 cm free-fall height, as specified in the standards. A quick-release mechanism is included to allow precise and repetitive dropping of the hammer. The machine is supplied with a standard measure (75 mm diameter \times 50 mm height) and a tamping rod (10 mm diameter \times 230 mm long), all manufactured from high-quality steel for durability. The entire assembly is finished with corrosion-resistant coating to withstand laboratory conditions. The instrument is rigid, stable, and suitable for both laboratory and field testing, ensuring accurate and repeatable determination of aggregate impact value in full compliance with IS: 2386 (Part 4) and IS: 9377 specifications.	1
3	Aggregate Crushing Value Apparatus	The Aggregate Crushing Value (ACV) Apparatus, conforming to IS 2386 (Part IV) and BS 812:111, is designed to determine the crushing strength of coarse aggregates, ensuring their suitability for use in road construction and structural concrete. The apparatus consists of a rigid steel cylinder with an internal diameter of 150 mm ± 0.5 mm and a height of 130 mm ± 0.5 mm, accompanied by a plunger measuring 148 mm ± 0.5 mm in diameter and 100–115 mm in height, all machined to precise tolerances for accurate test results. A base plate supports the cylinder and provides stability during testing. A tamping rod of 16 mm diameter and 450–600 mm length is included for sample preparation. The apparatus also includes a metal measure for accurate volume determination of aggregates. All components are manufactured from high-quality, hardened steel with a corrosion-resistant finish, ensuring long service life and reliability under repeated loading. The equipment is compatible with a compression testing machine capable of applying a load of 40 tonnes (400 kN), as required by the standards. This apparatus is robust, durable, and suitable for laboratory testing to accurately determine the aggregate crushing value in full compliance with IS 2386 (Part IV) and BS 812:111.	1
4	Los Angeles Abrasion Testing Machine	The Los Angeles Abrasion Testing Machine, manufactured in accordance with IS 10070:1982, is designed to determine the abrasion resistance and hardness of coarse aggregates by measuring their degradation under standard tumbling and impact conditions. The machine consists of a hollow steel cylinder of 700 mm	1

internal diameter and 500 mm internal length, mounted on a sturdy frame so that it rotates about its horizontal axis. The cylinder is fabricated from heavy-gauge steel and is provided with an inward projecting shelf or lifter plate, conforming to the dimensional requirements of the standard, to lift and drop the aggregate during rotation. The apparatus is driven by an electric motor through a reduction gear system to achieve a uniform rotational speed of 20 to 33 revolutions per minute, as specified in IS 10070. The machine includes a digital/analog revolution counter for accurately recording the number of drum rotations. A set of 12 hardened steel spheres (abrasive charges) of standard diameter and weight is supplied as per the requirements of the test method. The entire unit is finished with a durable, corrosion-resistant coating and is mounted on a rigid steel base for stability during operation. Suitable for both laboratory and field testing, the Los Angeles Abrasion Testing Machine provides precise and repeatable measurements of aggregate resistance to abrasion and impact, ensuring full compliance with IS 10070:1982. Rebound Hammer PERFORMANCE 5 1 Application: Measures surface hardness of concrete to estimate in-situ compressive strength. Rebound Value Display: Digital Impact Energy (Approx.): Selectable between 0.75 and 2.25 Nm Minimum Thickness of Structural Component: 100 mm and above Lowest Measurable Compressive Strength: 5 MPa Highest Measurable Compressive Strength: 100 MPa Resolution (R-value): 1 Accuracy (R-value at 80 on calibration anvil): ±1 Available Strength Units: MPa, N/mm², kg/cm² **SALIENT FEATURES** Automatic conversion of rebound index number to equivalent compressive DISPLAY / INTERFACE / STORAGE Display Type: LCD Display Backlight: Yes Digital Graphical Display: Yes Interface: USB Data Storage Capacity: Up to 200 test results **SOFTWARE** Compatible Operating System: Windows Supported OS Versions: Windows Software Features: Uniformity assessment with summary view of test results **GENERIC** Weight: 30,000 g appox Dimensions: $200 \times 50 \times 50$ mm appox Additional Features: USB Connect Items Included in Offer: All accessories Conforming Standards: EN 12504-2, ASTM C805, ISO/DIS 8045

		ACCESSORIES (Included in Supply)	
		Battery charger for rechargeable batteries with USB cable	
		Data transfer cable	
		Data transfer software for PC and printer	
		Carrying strap	
		Abrasive grinding stone	
		Chalk	
		Documentation	
		Carrying case	
	×	Instruction booklet with conversion charts	1
		POWER	
	(8)	Power Source: Rechargeable battery	
		Battery Chemistry: Li-ion	
		Battery Capacity: 1600 mAh	
		Battery Life (Continuous Operation): 50 hours	
		Batteries Required: 1	
		Batteries Supplied: 0	
		OPERATING CONDITIONS / INGRESS PROTECTION	
		Minimum Operating Temperature: -5°C	
		Maximum Operating Temperature: 50°C	
		Ingress Protection: IP55	
		WARRANTY	
		Warranty Period: 2 years	12
6	Digital Weighing	Capacity: 100 kg (Maximum Load).	2
	Balance (100kg)	Precision/Resolution: 10 grams (0.01 kg).	
		Platform: Stainless Steel (SS 304), typically 300x300mm, 400x400mm, or	
		600x600mm, for hygiene and durability.	
		Display: Bright LED/LCD, often with dual displays (front/back) for easy viewing.	
		Accuracy Class: Often Class 3 (as per IS 9281).	
		Power: AC Adapter (230V) with rechargeable battery backup (e.g., 40-hour) for	
		portability.	
		Common Features	
		Functionality: Tare (zeroing), Auto-Zero Tracking, Unit Conversion (Kg/Lbs).	
		- Durability: Heavy-duty construction, dust-proof membrane keyboard,	
	14 <u>1</u>	overload protection (up to 150%).	
7	Dissolved	1. Dissolved Oxygen Range: 0.00 to 45.00 ppm (mg/L), 0.0 up to 300.0%	01
	Oxygen (DO)	saturation	
	Meter	2. Dissolved Oxygen Resolution 0.01 ppm (mg/L); 0.1% saturation	
		3. Dissolved Oxygen Accuracy ±1.5% F.S. or ±1 digit, whichever is greater	0
		4. Dissolved Oxygen Calibration one or two points at 0% (HI 7040 solution	'
		and 100% (in air) 5. Dissolved Oxygen Temperature Compensation automatic from 0 to 50°C	
		(32 to 122°F) (32 to 122°F) (52 to 122°F) (63 to 122°F)	
- 1		6. Salinity Compensation 0 to 80 g/L (ppt) (resolution 1 g/L)	540

		7. Altitude Compensation 0 to 4000 m (resolution 100 m) Temperature	
		Range 0.0 to 50.0°C / 32.0 to 122.0°F Temperature Resolution 0.1°C /	
		0.1°F	
		8. Temperature Accuracy ±0.2°C; ±0.4°F (excluding probe error)	
		9. DO Probe	
		10. DO probe (included) Battery Type/Life 1.5V AAA (3) /approximately 200	
		hours of continuous use without backlish (50)	
		hours of continuous use without backlight (50 hours with backlight on) 11. Environment 0 to 50°C (32 to 122°F);	
		12. RH max 95%	
8	Digital pH Meter	Dimensions 185 x 72 x 36 mm (7.3 x 2.8 x 1.4") Weight 300 g (10.6 oz.) 1. pH Range -2.0 to 16.0 pH	
	O Parameter.	1. pH Range -2.0 to 16.0 pH 2. pH Resolution 0.1 pH	01
		4. pH Calibration automatic, at one or two points with two sets of standard	
		buffers (pH 4.01 / 7.01 / 10.01 or pH 4.01 / 6.86 / 9.18)	
		 5. pH Temperature Compensation automatic 6. Temperature Range -5.0 to 60.0°C / 23.0 to 140.0°F 	
		6. Temperature Range -5.0 to 60.0°C / 23.0 to 140.0°F 7. Temperature Resolution 0.1°C / 0.1°F	
		8. Temperature Accuracy ±0.5°C /±1°F	
		9. pH Electrode replaceable pH electrode (included)10. Temperature Probe integrated thermist or	
		11. Automatic Shut-Off after 8 minutes of non-use	
		12. Battery Type/Life 1.5V (4) / approx. 300 hours of continuous use	
		13. Environment -5 to 50°C (23 to 122°F); RH max 100%	
	,	14. Dimensions 163 x 40 x 26 mm (6.4 x 1.6 x 1.0") Weight 100 g (3.5 oz.)	
9	Digital Tunkidita		
9	Digital Turbidity Meter	 Turbidity Range 0.00 to 50.00 FTU 50 to 1000 FTU 	
	Wieter	***	
		3. Turbidity Resolution 0.01 (0.00 to 50.00 FTU); 1 (50 to 1000 FTU)	
		4. Turbidity Accuracy ±0.5 FTU or ±5% of reading (whichever is greater)	
		5. Turbidity Calibration three points (0 FTU, 10 FTU and 500 FTU)	
	Æ	6. Turbidity Light Source silicon photocell	
		7. Turbidity Light Detector infrared LED / life of instrument	
		8. Logging Type log on demand	
			- 1
		10. Connectivity using software	
		10. Connectivity using software11. Automatic Shut-Off auto-off after 5 minutes of non-use	
		10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of	
		 10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of continuous use or 900 measurements 	
		 10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 	
		 10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4)/approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") 	
		 10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") Weight 510 g (1.1 lb.) 	
10	Digital	10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") Weight 510 g (1.1 lb.) 1. EC Range 0.00 to 20.00 mS/cm	
10	Conductivity	10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4)/approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") Weight 510 g (1.1 lb.) 1. EC Range 0.00 to 20.00 mS/cm 2. EC Resolution 0.01 mS/cm	
10		10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4)/approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") Weight 510 g (1.1 lb.) 1. EC Range 0.00 to 20.00 mS/cm 2. EC Resolution 0.01 mS/cm 3. EC Accuracy ±2% FS	
10	Conductivity	10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") Weight 510 g (1.1 lb.) 1. EC Range 0.00 to 20.00 mS/cm 2. EC Resolution 0.01 mS/cm 3. EC Accuracy ±2% FS 4. EC Calibration automatic, single point at 12.88 mS/cm	
10	Conductivity	10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") Weight 510 g (1.1 lb.) 1. EC Range 0.00 to 20.00 mS/cm 2. EC Resolution 0.01 mS/cm 3. EC Accuracy ±2% FS 4. EC Calibration automatic, single point at 12.88 mS/cm 5. TDS Range 0.00 to 10.00 ppt (g/L)	
10	Conductivity	10. Connectivity using software 11. Automatic Shut-Off auto-off after 5 minutes of non-use 12. Battery Type/Life 1.5V AA (4) /approximately 60 hours of continuous use or 900 measurements 13. Environment 0 to 50°C (32 to 122°F); RH max 95% (non condensing) 14. Dimensions 220 x 82 x 66 mm (8.7 x 3.2 x 2.6") Weight 510 g (1.1 lb.) 1. EC Range 0.00 to 20.00 mS/cm 2. EC Resolution 0.01 mS/cm 3. EC Accuracy ±2% FS 4. EC Calibration automatic, single point at 12.88 mS/cm	

		8. TDS Calibration automatic	
		9. EC/TDS Temperature Compensation automatic, 0 to 60°C (32 to 140°F)	
		10. Temperature Correction Coefficient automatic, with b selectable from 0.0 to 2.4 %/ °C in 0.1 increments	
		11. EC to TDS Conversion Factor Selectable from 0.45 to 1.00 (CONV) in	
		0.01 increments	
		12. Temperature Range -5.0 to 105.0 °C / 23.0 to 221.0 °F	
		13. Temperature Resolution 0.1°C / 0.1°F	
		14. Temperature Accuracy ±0.5°C /±1°F	
		15. EC/TDS Probe with built-in temperature sensor, quick connect DIN connector and 1 m cable (included)	
		16. Automatic Shut-Off user selectable: after 8 min, 60 min or disabled	
		17. Battery Type/Life 1.5V AAA (3) / approximately 500 hours of continuous use	
		18. IP Protection IP67	
		19. Environment 0 to 50°C (32 to 122°F); RH 100%	
		20. Dimensions 154 x 63 x 30 mm (6.1 x 2.5 x 1.2")	
11	Handheld Multi	Weight 196 g (6.91 oz.)	
11	Parameter Water	Ingress Protection: IP67 Automatic calibration	
	Quality Analyzer	MEASURED PARAMETERS	
		Dissolved Oxygen (DO)	
		DO % Saturation	
		Conductivity (EC)	
		Resistivity	
		Salinity	
		Total Dissolved Solids (TDS)	
		pH	
		Oxidation Reduction Potential (ORP)	
		Ammonium (NH ₄ +)	
		Nitrate (NO ₃ ⁻)	
		Chloride (Cl ⁻)	
		Turbidity	
		Temperature	
		Atmospheric Pressure	
		SENSOR PRINCIPLES & TYPES	
		DO Principle: Electrochemical (Amperometric)	
		DO Sensor Type: Galvanic	
		Conductivity Principle: Conductive	
		Conductivity Sensor: 4-cell electrode	
		Resistivity Principle: Conductivity conversion	
		Salinity Principle: Conductivity conversion	
		TDS Principle: Conductivity conversion	
		pH Principle: Electrochemical	
		nH Sensor: Glass combination electrode	
		Page 12	of 19

ORP Principle: Electrochemical

ORP Sensor: Platinum electrode

Ammonium/Nitrate/Chloride Sensors: Ion Selective Electrodes (ISE)

Turbidity Principle: Nephelometric (ISO 7027)

Turbidity Light Source: Infrared LED

Temperature Sensor: Semiconductor thermistor

Pressure Sensor: Pressure transducer Depth Measurement: Not applicable **COMPENSATION / CORRECTION**

Automatic temperature correction

Automatic salinity correction

Automatic barometric pressure correction

DISPLAY & DATA STORAGE

LCD display with backlight

4-digit display, 10 mm digit size

Displays up to 13 parameters simultaneously

Data memory: 20,000 sets No internal storage (0 GB) Built-in GPS: Not available Date/time stamping available

USB connectivity

POWER SUPPLY

Supports alkaline batteries, Ni-MH rechargeable batteries, and 230 V AC mains

Uses 4 batteries

Battery type included: 4 × Ni-MH (1.2V each)

Battery life: 140 hours

Adapter for 230 V AC supplied

PHYSICAL & GENERAL FEATURES

Sensor/probe housing: Plastic Probes/electrodes included: Yes Number of electrodes supplied: 3

Weight: 750 g

Dimensions: 221 × 115 × 55 mm

Carry case included

Additional feature: No ISE module Items supplied: Meter without ISE

OPERATING CONDITIONS

Operating temperature range: 0°C to 50°C Operating humidity: 95% RH at 40°C

WARRANTY

Equipment warranty: 2 years

Probe/electrode warranty: 6 months

For (Authorized Signatory)
Name of the firm
Complete address

Probe cable warranty: 1 year

Director cum Principal

Director cum Principal Atal Bihari Vajpayee Govt. Institute of Engg. & Technology Pragatinagar Distt. Shimla HP 171202.

Seal Stamp....

SECTION-D

PRICE SCHEDULE

S.N	Description of item	Qty	Cost per unit (Rupees).	Total Cost (Rupees). (GST included)
1	Ultrasonic Pulse Velocity (UPV) Apparatus	1		
2	Aggregate Impact Testing Machine	1		
3	Aggregate Crushing Value Apparatus	1		
4	Los Angeles Abrasion Testing Machine	1		
5	Rebound Hammer	1		
	Digital Weighing Balance (100kg)	1		
	Dissolved Oxygen (DO) Meter	1		
1	Digital pH Meter	. 1		
I	Digital Turbidity Meter	1		
	Digital Conductivity Meter	1		
H	Iandheld Multi Parameter Water Quality	1	ě	a .

Total Bid Price (Excluding Taxes in Rs)	
(In words)	
Date	
Place	

(Signature of the bidder with seal)
Name and Address-----

TERMS AND CONDITIONS

- 1. Bidders are required to submit the attested copy of Registration (latest) clearly mentioning the period of validity. Any firm failing to submit the same will not be entertained.
- 2. Rate has to be quoted for complete set (including all sub-parts/accessories, if any) of machinery/equipment to be supplied. Bidder quoting the lowest rate for complete set shall only be considered fulfilling all other requisite conditions.
- 3. Bidder quoting the lowest amount for complete tender shall be considered qualified, fulfilling all other requisite conditions.
- 4. The tenderer shall submit the latest income tax return statement. This will help in assessing the capability of the bidder to supply the items mentioned in the schedule of bid document.
- 5. The bidder shall also submit the proof that it is GST payee. The attested photocopy of the same is required to be submitted along with the bid document.
- 6. The rates quoted should be F.O.R. destination at ABVGIET Pragatinagar, Distt. Shimla-171202 (H.P). The rates must also include installation/Demonstration and Training expenses, if any.
- 7. Standard GST rates are applicable, if any.
- 8. The duly constituted College Committee shall inspect the material to satisfy itself for verifying specifications as mentioned in bid document.
- 9. The supplier shall be required to complete the delivery at college (including inspection) within stipulated days as mentioned in the supply order.
- 10. The items/equipments shall remain under Guarantee/Warranty by the supplier.
- 11. The Guaranty/Warranty shall be effective from the actual date of installation in case of items of machinery and equipment.
- 12. 100% payment will be made within one month against physical delivery of inspected/accepted stores duly supported with satisfactory inspection note and after receipt of correct goods at consignee site/destination.
- 13. Successful bidder has to give the Bank Account Detail such as account name, number, IFSC code of bank, bank name, branch and PAN. Also provide AADHAR number in case the account is on the name of a person. Payment will be directly paid to account holder by Govt. treasury after completing all the required formalities.
- 14. Earnest money as mentioned in the document shall be required to be paid by the tenderer along with the tender document in shape of account payee demand draft or duly pledged fixed deposit receipts in favor of the Director-cum-Principal, ABVGIET Pragatinagar, Distt. Shimla-171202 (H.P).
- 15. Performance security as mentioned in the document shall be obtained from the successful tenderer on the award of the contract in the shape of account payee demand draft or duly pledged fixed deposit receipts or bank guarantee from commercial bank will remain valid for one year from the date of completion of the contract if the supplier fails to repair the damaged/replaced within the one year guarantee/warrantee period, the performance security will be forfeited.
- 16. Refund of amount of security and earnest money deposited by the firm will be made after three months from the date of expiry of contract or after the date of satisfactory completion of the given supply orders. Keeping in view both these conditions while making applications for the refund of the amount of security. The concerned firm will have to furnish a certificate that the supply of all

- the supply orders received by it has been made to the consignee according to the prescribed specifications to their entire satisfaction.
- 17. The earnest money of the bidders whose tender has not been approved/qualify would be return after proper scrutiny.
- 18. The tenders not confirming to the specifications/descriptions mentioned in bid schedule will be summarily rejected.
- 19. If the date of accepting/opening the tenders happens to be holiday, the tenders will be opened on the next day at the same time.
- 20. Telegraphic, Fax, Conditional and tenders without earnest money shall not be accepted.
- 21. Atal Bihari Vajpayee Govt. Institute of Engineering and Technology Pragatinagar Shimla, reserves the right to accept or reject any or all tenders without assigning any reason.
- 22. The bidders shall keep their offer open for 6 months from the date of opening the tenders. A bid valid for shorter period may be rejected by the purchaser as non-responsive.
- 23. The Director/Principal may appoint a "Negotiation Committee" if required.
- 24. The bidder will be responsible for damage or loss in transit and replace goods broken with in 10 days from the date of notice thereof.
- 25. GST rates shall be indicated separately otherwise rates will be deemed to be inclusive of such levies and taxes and no future increase in duty/taxes will be allowed.
- 26. Incase where it has not been specifically indicated in the schedule that only manufacturer can participate in tenders, in such cases the tenderers other than manufacturers should attach authorization letter from such principal manufacturer along with the tender.
- 27. The tender form along with the earnest money and forwarding letter on Letter Head Pad of the firm should be sent through Regd. Post/Speed Post/By Hand well in advance so as to reach to the office of Director-cum-Principal, ABVGIET Pragatinagar, Distt. Shimla-171202 (H.P) i.e 26/12/2025 up to 2:00PM. The offer should be sent in a sealed envelope clearly indicating on the top the tender number, due date and the category of items.
- 28. All the bidders are required to sign each paper of the bid document along with the stamp of their respective organization. Without signature and stamp the tender submitted by them are likable for rejection.
- 29. The bidder has to attach the supporting documents/catalogues for all the items.
- 30. All the disputes shall be settled with in the jurisdiction of Sub-Judge Court, Shimla, Distt. Shimla H.P.
- 31. The earnest money deposited by the tenderers shall be forfeited in the following events:
 - i) A modification or withdrawal of tender after the deadline of submission of tenders and during the validity period.
 - ii) Refusal by the tenderer to accept an arithmetical error or otherwise appearing on the face of the tender.
 - iii) Failure on the part of the successful tenderer to provide performance security for the execution of the contract.
 - iv) Failure on the part of the successful tenderer to execute the contract as per terms and conditions of the tender.

- 32. The purchaser may, at its discretion, extend deadline for the submission of bids by amending the bidding documents, in which case all rights and obligations of the purchasers and bidders previously subject to the deadline will thereafter be subjected to the deadline as extended.
- 33. The purchaser has the right to ask the supplier(s) to produce the sample of the item(s) for the purpose of comparison of prices and to evaluate technically before placing supply order to the firm.
- 34. The purchaser or its representative shall have right to inspect or test the goods to confirm their conformity to the contract. The inspection and tests may be conducted on the premises of the supply at his costs.
- 35. The purchaser reserves the right to increase or decrease the quantity of goods to be procured.
- 36. An excused delay by the supplier in the performance of its delivery obligations shall rendered the supplier to any or all of the following:
 - i) Forfeiture of its bids security and its performance security.
 - ii) Imposition of liquidated damage.
 - iii) Termination of the contract for default.
- 37. If at any time during performance of the contract, suppler encounter conditions impending timely delivers of the goods and performance of the services, the supplier shall promptly notify the purchaser in writing of the facts of delay, its likely duration and its causes as soon as practicable after the receipt of the supplier notice. The purchaser shall evaluate the situation and may at its desecration extend the supplier time for the performance.

Special Conditions

- 1. All the items mentioned in the schedule shall be preferred from the single vender.
- 2. The bidder must be a manufacturer or in supplying business as authorized distributor/stockiest for at least three years.
- 3. The bidder who is a potential authorized supplier/stockiest/dealer in the same business during last three years shall be preferred

I/We herewith enclose a sum of Rs.	as	earn	est
money (EMD) in form of demand draft or equivalent and should I/We fail to execute an	agı	eem	ent
embodying the above mentioned terms and conditions agree that the above sum as EM	D٤	shall	be
forfeited to the Director-cum-Principal, ABVGIET Pragatinagar, Distt, Shimla-171202 (H.P.)			

ALL THE ABOVE TERMS & CONDITIONS ARE ACCEPTABLE TO US

For (authorized Signatory) Name of the Firm:
Complete Address:

Seal Stamp