

TENDER-2: CIVIL ENGINEERING DEPARTMENT

Tender Ref. No.: SJVPM/NEC/LAB/CIVIL/2026/02

A. Civil Engineering Labs

Sr. No	Item Description	Specifications	Qty	Unit Price (₹)	Total Price (₹)
1	Universal Testing Machine (UTM)	1000 kN Capacity, Digital Display, IS:10079 compliant, Computer Interface	1 No.		
2	Compression Testing Machine (CTM)	2000 kN, Digital Load Indicator, IS:10080 compliant	1 No.		
3	Vibrating Table	1m×1m, 3600 RPM, Motor 1 HP, IS:10080	1 No.		
4	Concrete Mixer (Tilting)	200L Capacity, 10 HP Motor, Petrol/Diesel	1 No.		
5	Slump Cone Test Set	IS:1199, Complete with Tamping Rod, Base Plate	2 Sets		
6	Compaction Factor Apparatus	IS:1199, Stainless Steel	2 Sets		
7	Vee-Bee Consistometer	IS:1199, Motorized	1 No.		
8	Sieve Shaker (Mechanical)	300mm Dia, 7 Sieves, Timer, IS:460	1 No.		
9	Sieve Set (Coarse & Fine)	IS:460, 12 Sieves (300mm)	2 Sets		
10	Aggregate Impact Tester	Digital, IS:2386 Part-IV	1 No.		
11	Aggregate Crushing Value Tester	IS:2386 Part-IV, 40 Tonne Capacity	1 No.		
12	Abrasion Testing Machine (Los Angeles)	IS:2386 Part-V, 1000 RPM	1 No.		
13	Flakiness & Elongation Gauge	IS:2386, Complete Set	2 Sets		
14	Specific Gravity Apparatus	IS:2386, Pycnometer Set	2 Sets		
15	Water Content Determination	Microwave Oven, Aluminum Containers	1 Set		
16	Liquid Limit Device (Casagrande)	IS:9259, Grooving Tools	2 Sets		
17	Plastic Limit Apparatus	IS:9259, Glass Plates, Spatula	2 Sets		
18	Permeability Test Setup	Constant & Variable Head, IS:2720	2 Sets		
19	Consolidation Test Apparatus	Oedometer, Dial Gauges, Loading Frame	2 Sets		
20	Triaxial Shear Test Apparatus	100mm Dia, 300 kPa Cell Pressure	1 Set		
21	Direct Shear Test Apparatus	60mm×60mm, Digital Load Cell	1 No.		
22	Unconfined Compression Tester	IS:2720, Proving Ring, Dial Gauge	1 No.		
23	Standard Penetration Test Kit	Split Spoon Sampler, Drop Hammer	1 Set		
24	Core Cutter	100mm Dia, Rammer, Dolly	2 Sets		
25	Sand Replacement Apparatus	IS:2720, Complete Set	2 Sets		
26	Rebound Hammer	Schmidt Type N, IS:13311	2 Nos.		

27	Ultrasonic Pulse Velocity Tester	Digital, IS:13311, Transducers	1 No.		
28	Cover Meter (Rebar Locator)	Digital, 200mm Depth	1 No.		
29	Total Station	5" Accuracy, 500m Range, Data Collector	1 No.		
30	Auto Level with Tripod	1.5mm/1km Accuracy, 30X Telescope	2 Sets		
31	Theodolite (Digital)	5" Accuracy, Dual Display	1 No.		
32	Planimeter (Digital)	1:10000 Accuracy	1 No.		
33	Drawing Instruments Set	Drafting Machines, T-Squares, Set Squares	60 Sets		
34	CAD Software License	AutoCAD Civil 3D, STAAD.Pro, ETABS (Educational)	60 Users		

EMD: ₹25,000

Tender Fee: ₹5,000
