

**REVISED RATE FOR TESTING OF CONSTRUCTION MATERIALS
AT PWD CENTRAL LABORATORY, ZUANGTUI, AIZAWL**

w.e.f 9th July 2025

Sl. No.	Description of Test	Approved Rate (In Rs)	Remarks
1	Test on concrete Sample		
i)	Compressive Strength Test of Concrete Cube (Min.3 Nos.) per sample	450.00	
ii)	Concrete Mix Design	5,000.00	
iii)	Concrete Core testing (including core cutting & per sample preparation)	1,500.00	*see note at bottom
2	Non Destructive Testing on Concrete		
i)	Concrete Strength by Rebound Hammer Concrete tester per location of 16 shots	500.00	*see note at bottom
3	Test on Cement Sample:		
i)	Compressive Strength of cement mortar cube with curing		
	a) One set of 3 Nos. at 3 days	2,400.00	
	b) One set of 3 Nos. at 7 days		
	c) One set of 3 Nos. at 28 days		
ii)	Consistency	700.00	
iii)	Setting Time (Initial & Final)	700.00	
iv)	Fineness	500.00	
v)	Soundness	800.00	
vi)	Specific Gravity	600.00	
4	Test on Bricks sample:		
i)	Compressive Strength	900.00	
ii)	Water Absorption	600.00	
iii)	Dimensioning	300.00	
5	Fine Aggregate (Sand)		
i)	Sieve Analysis	600.00	
ii)	Specific Gravity	400.00	
iii)	Water Absorption	400.00	
iv)	Bulk Density	400.00	
v)	Silt Content	400.00	
6	Stone/ Coarse Aggregate (Stone Chips)		
i)	Sieve Analysis	700.00	
ii)	Specific Gravity	400.00	
iii)	Water absorption	400.00	

Sl. No.	Description of Test	Approved Rate (In Rs)	Remarks
iv)	Bulk Density	400.00	
v)	10% fine value (including sample preparation)	1,000.00	
vi)	Blending of Aggregates	1,000.00	
vii)	Crushing Value (Including sample preparation)	1,000.00	
viii)	Los Angeles Abrasion Value (Including sample preparation)	1,000.00	
ix)	Impact Value (Including sample preparation)	800.00	
x)	Shape Test	1,000.00	
xii)	Soundness of Aggregates (per Sample)	3,000.00	
7	Steel Testing :		
i)	Physical Test (Dimension, wt./m) per sample	200.00	
ii)	Tensile Strength & Elongation (per sample) Rs. 100 per mm diameter of Steel Bars.		
	a) 8 mm diameter	800.00	
	b) 10 mm diameter	1,000.00	
	c) 12 mm diameter	1,200.00	
	d) 16 mm diameter	1,600.00	
	e) 20 mm diameter	2,000.00	
	f) 25 mm diameter	2,500.00	
8	Testing of Bitumen		
i)	Marshal Stability Test (excluding sample preparation)	3,000.00	
ii)	Bitument Content	1,500.00	
iii)	Penetration test of Bitumen	700.00	
iv)	Viscosity Test of Bitument	800.00	
v)	Ductility Test of Bitument	1,000.00	
vi)	Specific Gravity	600.00	
vii)	Softening Point Test	600.00	
viii)	Flash & Fire Point Test	800.00	
ix)	Marshal Stability Test for Mix Design of Bituminous Concrete	7,500.00	
9	Testing of Bitumen Emulsion		
i)	Viscosity Test by Saybolt Furol Viscometer	400.00	
ii)	Bitument Content using Residue by Evaporation Test	700.00	
iii)	Storage Stability Test	900.00	
10	Soil Test		
i)	Natural Moisture Content (Per sample)	300.00	

Sl. No.	Description of Test	Approved Rate (In Rs)	Remarks
ii)	Bulk Density of Soil (Per sample)	300.00	
iii)	Dry Density of Soil (Per sample)	500.00	
iv)	Specific Gravity of Soil (Per sample)	500.00	
v)	Sieve Analysis (Dry) (Per sample)	600.00	
vi)	Sieve Analysis (Wet) (Per sample)	700.00	
vii)	Atterberg's Limit (L.L,P.L,P.I, Flow curve) (Per sample)	800.00	
viii)	Standard Proctor'S Compaction Test (Per sample)	900.00	
ix)	Modified Proctor's Test (Per sample)	1,200.00	
x)	Field Dry Density (Core Cutter Method) (Per sample)	700.00	
xi)	Field Dry Density (Sand Replacement Method) (Per sample)	1,000.00	
xii)	California Bearing Ratio Test (unsoaked) (Per sample)	1,000.00	
xiii)	California Bearing Ratio Test (soaked) (Per sample)	1,500.00	
xiv)	Undrained Shear Box Test (Per sample)	600.00	
xv)	Drained Shear Box Test (Per sample)	700.00	

Note :

*The above rates are for materials sample received at PWD Central Laboratory, Zuangtui, Aizawl, Mizoram. In case of materials which needs to be collected or test carried out at site, extra for **transportation, accomodation & food bills** have to be borne by the applicants.



Engineer-in-Chief, PWD
Aizawl, Mizoram