

## REVISED PRODUCT/MATERIAL TESTING RATES WITH EFFECT FROM 1ST JANUARY 2024

Sl. No.	Name of the tests	Quantity Required	Rates in (Nu.)
<b>A Test on Soil</b>			
1	SPT Test For Bearing Capacity	Per Pit	9100
2	Direct Shear Test	5kg	3950
3	Natural Moisture Content	1kg	450
4	Atterberg limits	2kg	1600
5	Shrinkage Limits	2kg	1150
6	Specific Gravity	1-2kg	1100
7	Sieve Analysis/ Hydrometer Analysis	2-3kg	2500
8	Field Density by Core Cutter	Per Pit	1700
9	Field Density by SRM	Per Pit	2700
10	Proctor Compaction Test	20-25kg	3600
11	CBR (Lab Test)	15-20kg	5900
12	Plate Load Test	Per Pit	20300
13	DCP Test	Per Pit	3250
14	Permeability Test		3600
<b>B Test on Coarse Aggregate</b>			
1	Abrasion Test	20-35kg	2850
2	Impact Test	8-10kg	1350
3	Aggregate Crushing Value	15-20kg	2100
4	Specific Gravity	10kg	2800
5	Flakiness/Elongation Index	30-40kg	1400
6	Slake Durability	15-25kg	1500
7	Grading	5kg	1400
8	Soundness	15-20kg	6400
9	Bulk Density	15-20kg	750
10	Clay Lumps	5Kg	950
11	Point Load Test	Rock Core	1250

Sl. No.	Name of the tests	Quantity Required	Rates in (Nu.)
<b>C Test on Fine Aggregates</b>			
1	Bulking of Sand	2kg	600
2	Grain Size Analysis/Fineness Modulus	2kg	1400
3	Silt Content	2kg	600
4	Bulk Density	5kg	850
5	Soundness	15-20kg	6400
6	Specific Gravity/Water Absorption	10kg	2800
<b>D Test on Bitumen/Bitumen Emulsion</b>			
1	Penetration test	2kg	1300
2	Flash & Fire Point Test	2kg	1550
3	Softening Test	1kg	1300
4	Residue by Heating/Evaporation	2kg	1300
5	Viscosity Test on Bitumen Emulsion	5kg	1300
6	Ductility Test	1kg	1800
7	Bitumen Content Test	5kg	3550
8	Striping Value Test	5kg	1500
9	Pavement Density by Core Driller	Per Pit	3000
10	Absolute/Kinematic Viscosity Test	5kg	5100
<b>E Test on Bitumen Emulsion/Cationic Type</b>			
1	Residue on 600mic. IS Sieve	5kg	1800
2	Stability to Mixing With Cement	5kg	2300
3	Miscibility with Water	5kg	3000

Sl. No.	Name of the tests	Quantity Required	Rates in (Nu.)
<b>F Test on Steel &amp; Steel Components</b>			
1	Tensile Strength on Tor Steel Bars upto 30 dia	3 meters	2000
2	Unit Weight & Dimensional Tolerance	1 meter	650
3	Zinc Coating Thickness & Dimension	3 meters	1450
<b>G Physical Test on Cement</b>			
1	Compressive Strength Test	10-12kg	4600
2	Fineness test on IS 900 micron	2kg	850
3	Consistency Test	1kg	1400
4	Setting Time-Initial & Final	2kg	1700
5	Soundness Test	1kg	3200
6	Specific Gravity	2kg	3200
7	Blaines Air Permeability Test	1kg	700
<b>H Compressive Strength on Building Materials</b>			
1	Concrete Cubes (Standard Size)	3 cubes	850
2	Bricks (Standard Size)	8 Bricks	1000
3	Hollow Blocks (Standard Size)	8 Blocks	1350
4	Masonry/Solid concrete Blocks (Standard Sizes)	8 Blocks	1150
5	Autoclave Aerated Concrete Blocks	12 blocks	5300
6	Water Absorption on building blocks	4 blocks	650

**Notes:**

- The sample is accepted only if the minimum quantity specified is delivered by the client
- All samples delivered should be clearly marked for identification.
- It is the responsibility of the client to obtain the test report from the office of M&LSD, BSB
- Test report shall be issued only after the client makes the payment for the test



© Bhutan Standards Bureau



© Bhutan Standards Bureau



© Bhutan Standards Bureau