

Schedule of Testing Charges

Sl. No.	Name of Test	Min Quantities required	I.S. No.	Rate per (Departmental) Rs.
1-	AGGREGATE			
	Coarse Aggregate			
1	Sieve analysis and fineness modulus	30 kg	2386 (Pt.-I)	560
2	Determination of Flakiness Index			
	20 mm and below	50 kg	2386 (Pt.-I)	750
	Above 20 mm	100 kg		
3	Determination of specific gravity	10 kg	2386 (Pt.-III)	512
4	Determination of water absorption	10 kg	2386 (Pt.-III)	512
5	Determination of bulk density	100 kg	2386 (Pt.-III)	465
6	Determination of aggregate crushing value	50 kg	2386 (Pt.-IV)	560
7	Test for aggregate impact value	20 kg	2386 (Pt.-IV)	560
8	Aggregate abrasion value by Los angle's machine	50 kg	2386 (Pt.-IV)	600
9	Soundness	20 kg	2386 (Pt.-V)	700
	<u>Fine aggregate</u>			
1	Sieve analysis and fineness modules	5 kg	2386 (Pt.I)	465
2	Determination of Material finer than 75 micron (clay fine dust per.)	2 kg	2386 (Pt.I)	510
3	Water absorption test.	5 kg	2386 (Pt.-III)	510
4	Specific Gravity.	1 kg	2386 (Pt.-III)	510
5	Bulk Density.	20 kg	2386 (Pt.-III)	465
6	Soundness	5 kg	2386 (Pt.-V)	700
2-	<u>Cement Concrete :</u>			
1	Compression test on cube	Set of 3 cubes	516	560
	<u>Portland cement (Ordinary & Rapid Hardening)</u>			
	<u>Pozzalona cement :</u>			
1	Full chemical analysis	1.5 kg	I.S. 4032	4685
2	Short Chemical analysis for adulteration.	1.5 kg	C.B.R.I.	2810
3	Physical tests:	15 kg	I.S.4031	2810
(1)	Setting time			
(2)	Compressive Strength			
(3)	Fineness			
(4)	Soundness expansion			
	<u>Water :</u>			
(a)	Suitability of water for concrete/mortar. (pH value, Harmful salts)	1 Liter in polythene	4.56	1260
	<u>Bituminous Materials Bitumen</u>			
1	Specific Gravity.	In metal 2 kg	1202-1958	375
2	Softening point	2 kg	1205-1958	560
3	Penetration test	2 kg	1203-1958	560
4	Loss on heating	3 kg	1212-1958	560
5	Material soluble in Trichloro ethylene.	2 kg		1310
	<u>Miscellaneous</u>			
1(a)	Binder content of Bitumen aggregate mixture.	5 kg	IRC - Special	1215
(b)	Bituminous mix design (BM/SDBC/BC.)	2 bag	ASTM-D-1559-	11715
(c)	Adhesion characteristics of aggregate with Bitumen by water (stripping value)	5 kg Agg. & 1 kg Bit.	IS:6241-1771	1405

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4-	<u>Analysis of mortar & Concrete :</u>			
1	Determination of cement sand ratio cement mortar	Mortar 1.5 kg Cement 1.5 kg Sand 1.5 kg	C.R.R.I.	2810 2810 2810
2	Do in case of cement concrete.	Concrete 45 kg Cement 1.5 kg Sand 1.5 kg Stone grit 45 kg	1199 & C.R.R.I.	3750 2810 2810
5-	<u>Bricks:</u>			
1	Examination of size and general quality.	10 bricks of each frog mark	3495 - I to IV	
2	Compressive strength on a set of five bricks.	10 bricks of each frog mark	3495 - I to IV	} 1355
(a)	Water absorption on a set of five bricks.	10 bricks of each frog mark	3495 - I to IV	
(b)	Efflorescence on a set of five bricks.	10 bricks of each frog mark	3495 - I to IV	
(c)				
6-	<u>Soils :</u>			
1	Liquid limit. Plastic limit and plasticity index.	1 kg	IS:2720 (Pt.V)	700
2	Seive analysis as per I.S. Specification.	2 kg	IS:2720 (Pt.IV)	750
3	Optimum moisture content and dry density.			
(a)	Proctors method.	20 kg	IS:2720 (Pt.VII)	405
(b)	AASHO (Compaction)	40 kg	IS:2720 (Pt.VII)	750
4	Moisture content	½ kg	IS:2720 (Pt.II)	280
5	Specific Gravity.	½ kg	IS:2720 (Pt.III)	560
6	Harmful salts :			
(i)	Total Soluble	1 kg	} 2720 (Pt.-27)	} 1075
(ii)	Sulphate content	1 kg		
(iii)	Carbonate content only.	1 kg		
(iv)	Bicarbonate	1 kg		
(v)	Chloride	1 kg		
7-	pH Value	1 kg		560
8-	Organic matter in soil	1 kg	2720 (Pt-22)	465
9-	California Bearing Ration (CBR)	100 kg	2720 (Pt-XVI)	935
10-	Benkelman beam Deflection test for strengthening of road per km. (Loaded Truck is to be covered by the party)		IRC - 81	4915

11 Cement Concrete Interlocking Tiles

a	Compressive strength	Set of 8 Tiles	IS: 15658	1560
b	Water Absorption Test	Set of 3 Tiles	IS: 15658	810

Note- 20% Extra centage charges will be charged from the departments other than P.W.D.