

SHREEJWALA SOIL TEST LAB PVT.LTD

NANDLAL PUR NEAR KANSAL COLD HATHRAS ROAD, AGRA-282006

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Lab Approved By:-

Government & ISO 9001:2015 (QUALITY MANAGEMENT SYSTEM)

LAB TESTING SERVICES

Complete Test Charges

Sr.no.	Test		
1	REINFORCED STEEL(TMT) BAR <u>Complete Chemical and Physical as per IS 1786</u>		
2	COUPLER <u>Complete Chemical and Physical</u>		
3	STRUCTURAL STEELS <u>Complete Chemical and Physical Test as per IS 4923</u>		
4	M.S. PIPE/GI PIPE <u>Complete Chemical and Physical as per IS 1239 Pt-1</u>		
5	STEEL PLATES STRIPS, SHAPES AND SECTION, (ANGEL TEES, BEAMS, CHANNELS, ETC) , FLATS, BARS, ETC <u>Complete Chemical and Physical as per IS 2062</u>		
6	GI SHEET <u>Complete Chemical and Physical as per IS 513</u>		
7	MILD STEEL WIRE <u>Complete Chemical and Physical as per IS 280/IS 7887/IS 4826</u>		
8	BOLTS /SCREWS/STUDS <u>Complete Chemical and Physical as per IS 1367 Pt-3</u>		
9	STAINLESS STEEL <u>Complete Chemical and Physical as per IS ASTM A 240</u>		
10	ALUMINIMUM SECTION <u>Complete Chemical and Physical as per IS 1285</u>		
11	CONSTRUCTION WATER <u>Complete Chemical as per IS 456</u>		
12	DRINKING WATER TEST 11 Test <u>test as per IS 10500</u>		
13	DRINKING WATER 27 TEST <u>Chemical test as per IS 10500</u>		
14	SWIMMING POOL WATER <u>Chemical test as per IS 3328</u>		
15	WASTE WATER <u>Chemical test as per Environmental ACT 1986</u>		
16	IRRIGATION WATER <u>Chemical test as per IS 11624</u>		
17	OPC CEMENT/ PPC CEMENT <u>Complete Chemical and Physical as per IS 269/IS 1489 Pt-1, 2</u>		
18	FLYASH <u>Complete Chemical and Physical as per IS 3812 pt- 1 & 2</u>		

19	LIME <i>Complete Chemical and Physical as per IS 712</i>		
20	SILICA FUME <i>Complete Chemical and Physical as per IS 15388</i>		
21	SOIL INVESTIGATION TEST(SBC) SOFT ROCK , HARD ROCK		
22	FINE AGGREGATE <i>Complete Chemical and Physical as per IS 383</i>		
23	COARSE AGGREGATE <i>Complete Chemical and Physical as per IS 383</i>		
24	MASONRY SAND/PLASTER SAND <i>Physical test as per IS 2116/IS 1542</i>		
25	CEMENT CONCRETE MIX DESIGN <i>Physical test as per IS 516</i>		
26	ADMIXTURE <i>Complete Chemical and Physical as per IS 9103</i>		
27	BURNT CLAY BRICKS/FLYASH BRICK <i>Physical test as per IS 1077/IS 13757</i>		
28	BITUMEN <i>Complete Chemical and Physical as per IS 73</i>		
29	COMPACTED BITUMINOUS MIX <i>Physical test as per MORTH</i>		
30	BITUMINOUS CONCRETE (BC) <i>Job mix</i>		
31	DENSE BITUMINOUS MACADAM (DBM) <i>Job mix</i>		
32	BITUMINOUS MACADAM (BM) <i>Job mix</i>		
33	WET MIX MACADAM (WMM) <i>Job mix</i>		
34	GRANULAR SUB BASE MATERIAL (GSB) <i>Job mix</i>		
35	WATER BOUND MACADAM (WBM) <i>Job mix</i>		
36	CERAMIC TILES <i>Complete Chemical and Physical as per IS 15622</i>		
37	AUTOLAVE CELLULER CONCRETE(ACC BLOCKS) <i>Physical test as per IS 2185 pt-3</i>		
38	CEMENT CONCRETE TILES & PAVERS BLOCKS <i>Physical test as per IS 15658</i>		
39	CHEQUERED CEMENT CONCRETE TILES <i>Physical test as per IS 13801</i>		
40	PLATE LOAD TEST <i>As per IS 1888</i>		
41	BRIDGE LOAD TEST AS PER IRC-51		

42	CEMENT CONCRETE FLORING TILE <i>Physical test as per IS 1237</i>		
43	MANGALORE TILES <i>Physical test as per IS 654</i>		
44	KERB STONE <i>Physical test as per IS 5758</i>		
45	Kota Stone <i>Physical Test as per IS 1124</i>		
46	Marble Stone <i>Physical Test as per IS 1130</i>		
47	Granite Stone <i>Physical Test as per IS14223 pt-1</i>		
48	TIMBER/WOOD <i>Physical test as per IS 1708Pt-1, 2</i>		
49	ACT Cube <i>As per IS 9013</i>		
50	STRUCTURE CONCRETE <i>Nondestructive Testing/ Destructive Testing as per IS 13311 pt-1,2, IS 516</i>		
51	PILE INTERGRITY TEST As per IS 2911		
52	PILE LATERAL LOAD TEST As per IS 2911		
53	PILE DYNAMIC LOAD TEST ASTMD4945-89		
54	PILE LOAD TEST		
RAOD TESTING			
55	BENKELMAN BEAM DEFLECTIONS(BBD) IRC:81-1997 &IRC-2014		
56	BUMP INTEGRATOR(B I)		
57	POLLUTION		
58	K-VALUE TEST		
59	TRAIL PIT		
60	SURVEY		
1)	Ultrasonic Pulse Velocity (UPV)		
2)	Rebound Hammer		
3)	Concrete Core Cutting Dia 50 MM		

4)	Concrete Core Cutting Dia 75 MM	
5)	Concrete Core Cutting Dia 100 MM	
6)	Concrete Core Cutting Dia 125 MM	
7)	Concrete Core Cutting Dia 150 MM	
8)	Core Capping all Dia	
9)	Compressive Strength	

* TRANSPORTATION & MISS. EXPENSE WILL BE CHARGE EXTRA.

* WITNESS CHARGE @ RS. 2000/- (PER TWO PERSON) PER VISIT.

NOTE:

- AFTER TESTING (PHYSICAL AND MECHANICAL) TESTS SAMPLES WILL NOT BE PRESERVED.
- PRIOR INTIMATION IS REQUIRED IF ANY AGENCY WANT'S TO WITNESS THE TEST.
 - THE PRICES ARE IN INR, SERVICE TAX WILL BE CHARGED EXTRA
 - AS PER THE NORMS OF CENTRAL EXCISE.

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
1	REINFORCED STEEL(TMT) BAR	<u>Chemical test as per IS 1786</u>		1 Mtr. 1 Nos	1 Day
		1) Carbon		1 Mtr. 1 Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorous			1 Day
		<u>Physical test as per IS 1786</u>		1 Mtr. 3 Nos	1 Day
		1) Tensile Strength		1 Mtr. 1 Nos	1 Day
		2) Yield Strength			1 Day
		3) Elongation			1 Day
		4) Nominal mass			1 Day
		5) Bend Test			1 Day
		6) Re Bend			1 Day
		<u>Complete Chemical and Physical as per IS 1786</u>		1 Mtr. 3 Nos	1 Day
2	COUPLER	<u>Chemical test as per IS 228</u>		1 Nos	2 days
		1) Carbon		1 Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorous			1 Day
		4) Manganese			2 Days
		<u>Physical test as per IS 1608</u>		1 Mtr. 1 Nos	1 Days
		1) Tensile Strength		1 Mtr. 1 Nos	1 Day
		2) Breaking Load			1 Day
		3) Cross-section Area			1 Day
		4) Braking From			1 Day
		<u>Complete Chemical and Physical</u>		1 Nos	2 Days
3	STRUCTURAL STEELS	<u>Chemical test as per IS 4923</u>		1 Mtr. 1 Nos	1 Day
		1) Sulphur		1 Mtr. 1 Nos	1 Day
		2) Phosphorous			1 Day
		<u>Physical test as per IS 4923</u>		1 Mtr. 1 Nos	3 Days
		1) Tensile Strength		1 Mtr. 1 Nos	1 Day
		2) Yield Strength			1 Day
		3) Elongation			1 Day
		4) Nominal mass			1 Day
		5) Dimensions			1 Day
		6) Sample preparation Charges		-	3 Days
		<u>Complete Chemical and Physical Test as per IS 4923</u>		1 Mtr. 1 Nos	3 Days

S. No	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
4	M.S. PIPE/GI PIPE	<u>Chemical test as per IS 1239 Pt-1</u>		1 Mtr. 1Nos	2 Days
		1) Carbon		1 Mtr. 1Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorous			1 Day
		4) Manganese			2 Days
		5) Zinc Coating			2 Days
		<u>Physical test as per IS 1239 Pt-1</u>		1 Mtr. 1Nos	3 Days
		1) Tensile Strength		1 Mtr. 1Nos	1 Day
		2) Elongation			1 Day
		3) Nominal mass			1 Day
		4) Bend Test			1 Day
		5) Dimensions			1 Day
		6) Sample preparation Charges		-	3 Days
		<u>Complete Chemical and Physical as per IS 1239 Pt-1</u>		1 Mtr. 1Nos	3 Days
5	STEEL PLATES STRIPS, SHAPES AND SECTION, (ANGEL TEES, BEAMS, CHANNELS, ETC) , FLATS, BARS, ETC	<u>Chemical test as per IS 2062</u>		1 Mtr. 1 Nos	2 Day
		1) Carbon		1 Mtr. 1 Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorus			1 Day
		4) Manganese			2 Days
		5) Silicon			2 Days
		<u>Physical test as per IS 2062</u>		1 Mtr. 1 Nos	3 Days
		1) Tensile Strength		1 Mtr. 1 Nos	1 Day
		2) Yield Strength			1 Day
		3) Elongation			1 Day
		4) Nominal mass			1 Day
		5) Bend Test			1 Day
		6) Dimensions			1 Day
		7) Sample preparation Charges		-	3 Days
		<u>Complete Chemical and Physical as per IS 2062</u>		1 Mtr. 1 Nos	3 Days
6	GI SHEET	<u>Chemical test as per IS 513</u>		0.5X0.5 Mtr. Nos	2 Days
		1) Carbon		0.5X0.5 Mtr. Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorus			1 Day
		4) Manganese			2 Days
		5) Zinc Coating			2 Days
		<u>Physical test as per IS 513</u>		0.5X0.5 Mtr. Nos	3 Days
		1) Tensile Strength		1 Mtr. 1 Nos	1 Day
		2) Yield Strength			1 Day
		3) Elongation			1 Day

S. No	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		4) Nominal mass			1 Day
		5) Bend Test			1 Day
		6) Dimensions			1 Day
		7) Sample preparation Charges		-	3 Days
		<u>Complete Chemical and Physical as per IS 513</u>		1 Mtr. 1 Nos	3 Days
7	MILD STEEL WIRE	<u>Chemical test as per IS 280/IS 7887/IS 4826</u>		2 Mtr. 1 Nos	3 Days
		1) Carbon		1 Mtr. 1 Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorous			1 Day
		4) Manganese			2 Days
		5) Zinc Coating		1 Mtr. 1 Nos	2 Days
		<u>Physical test as per IS 280/IS 7887/IS 4826</u>		1 Mtr. 1 Nos	1 Day
		1) Tensile Strength		1 Mtr. 1 Nos	1 Day
		2) Bend Test			1 Day
		3) Size			1 Day
		<u>Complete Chemical and Physical as per IS 280/IS 7887/IS 4826</u>		3 Mtr. 1 Nos	3 Days
8	BOLTS /SCREWS/STUDS	<u>Chemical test as per IS 1368Pt-3</u>		1 Nos	2 Days
		1) Carbon		1 Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorus			1 Day
		4) Boron			2 Days
		<u>Physical test as per IS 1367 Pt-3</u>		1 Nos	3 Days
		1) Tensile Strength		1 Nos	1 Day
		2) Elongation			1 Day
		3) Yield Stress			1 Day
		4) Sample preparation Charges		-	3 Days
		<u>Complete Chemical and Physical as per IS 1367 Pt-3</u>		2 Nos	3 Days
9	STAINLESS STEEL	<u>Chemical test as per ASTM A 240</u>		1 Mtr. 1 Nos	3 Days
		1) Carbon		1 Mtr. 1 Nos	1 Day
		2) Sulphur			1 Day
		3) Phosphorus			1 Day
		4) Manganese			1 Day
		5) Silicon			2 Days
		6) Nickel			3 Days
		7) Chromium			2 Days
		<u>Physical test as per ASTM A 240</u>		1 Mtr. 1 Nos	3 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		1) Tensile Strength		1 Mtr. 1 Nos	1 Day
		2) Yield Strength			1 Day
		3) Elongation			1 Day
		4) Nominal mass			1 Day
		5) Sample preparation Charges		-	3 Days
		<u>Complete Chemical and Physical as per ASTM A 240</u>		1 Mtr. 1 Nos	3 Days
10	ALUMINIMUM SECTION	<u>Chemical test as per IS 1285/ IS 1868</u>		1 Mtr. 1 Nos	3 Days
		1) Copper		1 Mtr. 1 Nos	3 Days
		2) Manganese			3 Days
		3) Silicon			3 Days
		4) Iron			3 Days
		5) Magnesium			3 Days
		6) Zinc			3 Days
		7) Titanium			3 Days
		8) Chromium			3 Days
		9) Aluminum			3 Days
		10) Anodic Coating			3 Days
		<u>Physical test as per 1285</u>		1 Mtr. 1 Nos	3 Days
		1) Tensile Strength		1 Mtr. 1 Nos	3 Days
		2) 0.2 Percent Proof Stress			3 Days
		3) Elongation			3 Days
		4) Sample preparation Charges		-	3 Days
		<u>Complete Chemical and Physical as per IS 1285/IS 1868</u>		1 Mtr. 1 Nos	3 Days
11	CONSTRUCTION WATER	<u>Chemical test as per IS 456</u>		1 Liter	2 Days
		1) Acidity		200 ml	1 Day
		2) Alkalinity		200 ml	1 Day
		3) Chloride		200 ml	1 Day
		4) Sulphate		200 ml	1 Day
		5) Organic		200 ml	2 Days
		6) inorganic		200 ml	2 Days
		7) Total Suspended matter		200 ml	2 Days
		8) pH Value		200 ml	1 Day
12	DRINKING WATER TEST (11 TESTS)	<u>Chemical test as per IS 10500</u>		2 Liter	2 Days
		1) pH value		200 ml	1 Day
		2) Chloride		200 ml	1 Day
		3) Total hardness		200 ml	1 Day
		4) Iron		200 ml	1 Day
		5) Taste		200 ml	1 Day

S. N o.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		6) Odour		200 ml	1 Day
		7) Colour		200 ml	1 Day
		8) Turbidity		100 ml	1 Day
		9) Fluoride		200 ml	1 Day
		10) Manganese		200 ml	2 Days
		11) Total Dissolve Solids		200 ml	2 Day
13	DRINKING WATER (27 TESTS)	<u>Chemical test as per IS 10500</u>		2.7 Liter	8 Days
		1) pH		100 ml	1 Day
		2) Colour		50 ml	1 Day
		3) Taste		100 ml	1 Day
		4) Odour		100 ml	1 Day
		5) Turbidity		100 ml	1 Day
		6) Total Dissolve Solids		100 ml	2 Days
		7) Aluminum		100 ml	2 Day
		8) Calcium		100 ml	1 Day
		9) Chloride		100 ml	1 Day
		10) Copper		100 ml	2 Day
		11) Fluoride		100 ml	1 Day
		12) Iron		100 ml	1 Day
		13) Magnesium		100 ml	1 Day
		14) Manganese		100 ml	1 Day
		15) Nitrate		100 ml	2 Day
		16) Phenolic Compound		100 ml	2 Day
		17) Sulphate		100 ml	1 Day
		18) Alkalinity		100 ml	1 Day
		19) Total hardness		100 ml	1 Day
		20) Zinc		100 ml	1 Day
		21) Cyanide		100 ml	2 Day
		22) Lead		100 ml	2 Day
		23) Mercury		100 ml	2 Day
		24) Total Arsenic		100 ml	2 Day
		25) Total Chromium		100 ml	2 Day
		26) Total Coliform (Bacteriological Test)		100 ml	3 Days
		27) E.Coli (Bacteriological Test)		100 ml	3 Days
14	SWIMMING POOL WATER	<u>Chemical test as per IS 3328</u>		2 Liter	5 Days
		1) pH		100 ml	1 Day
		2) Total Alkalinity		100 ml	1 Day
		3) Total Residual Chlorine		100 ml	1 Day

S. No	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		4) Aluminium		100 ml	2 Day
		5) Oxygen absorbed in 4 hours as 27 °C		100 ml	1 Day
		6) Total Dissolve Solids		100 ml	2 Day
		7) Chloride		100 ml	1 Day
		8) Iron		100 ml	1 Day
		9) Heavy Metals Lead		100 ml	2 Day
		10) Colour		100 ml	1 Day
		11) Odour		100 ml	1 Day
		12) Taste		100 ml	1 Day
		13) Turbidity		100 ml	1 Day
		14) Total Coliform		100 ml	3 Day
15	WASTE WATER	<u>Chemical test as per Environmental ACT 1986</u>		2 Liter	5 Days
		1) pH		100 ml	1 Day
		2) Chemical Oxygen Demand		200 ml	1 Day
		3) Biological Oxygen Demand		100 ml	5 Days
		4) Total Suspended matter		300 ml	2 Days
		5) Oil and Grease		300 ml	2 Days
16	IRRIGATION WATER	<u>Chemical test as per IS 11624</u>		1 Liter	5 Days
		1) Total Salt Concentration (E.C)		100 ml	1 Day
		2) Sodium Absorption ratio		500 ml	5 Days
		3) Residual Sodium Carbonate & Bicarbonate Concentration		300 ml	2 Days
		4) Boron		100 ml	2 Days
17	OPC CEMENT/ PPC CEMENT	<u>Chemical test as per IS 269/IS 1489 Pt-1, 2</u>		1 Kg	5 Days
		1) Loss on Ignition		100 gm	1 Day
		2) Insoluble residue		100 gm	2 Days
		3) Magnesium		100 gm	3 Days
		4) Sulphate		100 gm	4 Days
		5) Aluminium oxide		100 gm	3 Days
		6) Iron oxide		100 gm	3 Days
		7) Sodium oxide		100 gm	3 Days
		8) Calcium		100 gm	3 Days
		9) Silica oxide		100 gm	3 Day
		10) Chloride		100 gm	2 Days
		<u>Physical test as per IS 269/IS 1489 Pt-1, 2</u>		5 kg	28 Days
		1) Fineness by (Blain air per.)		500 gm	2 Days
		2) Setting time initial & Final		1.5 kg	2 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		3) Compressive Strength 3 Days		1.5 kg	3 Days
		4) Compressive Strength 7 Days		1.5 kg	7 Days
		5) Compressive Strength 28 Days		1.5 kg	28 Days
		6) Soundness by Le- chatelier Method		600 gm	2 Days
		7) Soundness by Autoclave method		1.5 kg	2 Days
		<u>Complete Chemical and Physical as per IS 269/IS 1489 Pt-1, 2</u>		10 kg	28 Days
18	FLYASH	<u>Chemical test as per IS 3812 Pt-1 and 2</u>		1 kg	7 Days
		1) Silica oxide		100 gm	4 Days
		2) Sulphate		100 gm	3 Days
		3) Chloride		100 gm	2 Days
		4) Loss on ignition		100 gm	1 Day
		5) Total Alkalies		100 gm	3 Days
		6) Reactive Silica		100 gm	5 Days
		7) Megnesia		100 gm	5 Days
		8) Combined Alumina & Iron Oxide		100 gm	4 Days
		<u>Physical test as per IS 3812 Pt-1 and 2</u>		5 kg	28 Days
		1) Soundness by Le- Autoclave Method		1.5 kg	2 Days
		2) Compressive Strength 28 Day		1.5 kg	28 Days
		3) Retain on Sieve 45 micron		1 kg	2 Days
		4) Lime reactivity		1.5 kg	16 Days
		5) Fineness by (Blain air per.)		500 gm	2 Days
		<u>Complete Chemical and Physical as per IS 3812 pt- 1 & 2</u>		10 kg	28 Days
19	LIME	<u>Chemical test as per IS 712</u>		1 kg	7 Days
		1) Calcium Oxide		100 gm	3 Days
		2) Magnesium Oxide		100 gm	7 Days
		3) Silica Oxide		100 gm	4 Days
		4) Alumina and Iron Oxide		100 gm	4 Days
		5) Unhydrated Magnesium Oxide		100 gm	3 Days
		6) Insoluble Residue		100 gm	3 Days
		7) Carbon dioxide		100 gm	1 Day
		8) Free Moisture Content		100 gm	2 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		9) Available Lime		100 gm	2 Days
		<u>Physical test as per IS 712</u>		10 kg	28 Days
		1) Fineness		1 kg	2 Days
		2) Residue on slaking		1 kg	2 Days
		3) Setting Time Initial and Final		1 kg	2 Days
		4) Compressive strength 14 and 28 days		3 kg	28 Days
		5) Transverse strength 28 days		3 kg	28 Days
		6) Workability		1 kg	1 Day
		7) Volume Yield		1 kg	2 Days
		8) Soundness by Le-chatelier expansion		1 kg	2 Days
		9) Popping & Pitting		1 kg	3 Days
		<u>Complete Chemical and Physical as per IS 712</u>		11 kg	28 Days
20	SILICA FUME	<u>Chemical test as per IS 15388</u>		1 kg	5 Days
		1) Silica		100 gm	5 Days
		2) Moisture Content		100 gm	2 Days
		3) Loss on Ignition		100 gm	1 Day
		4) Alkalies as Na ₂ O		100 gm	3 Days
		<u>Physical test as per IS 15388</u>		9 kg	28 Days
		1) Retained on 45 micron		1 kg	2 Days
		2) Retained on 45 micron variation from average percent		1 kg	2 Days
		3) Compressive Strength 28 Days		5 kg	28 Days
		<u>Complete Chemical and Physical as per IS 15388</u>		10 kg	28 Days
21	SOIL	<u>Chemical test as per IS 2720</u>		6 kg	7 Days
		1) pH Value		1 kg	2 Days
		2) Water Soluble Sulphate		1 kg	5 Days
		3) Organic matter		1 kg	2 Days
		4) Total Soluble Solids		1 kg	5 Days
		5) Calcium Carbonate		1 kg	2 Days
		6) Electronic Conductivity		1 kg	2 Days
		<u>Physical test as per IS 2720</u>		-	-
		1) Liquid Limit		2 Kg	3 Days
		2) Plastic Limit		2 Kg	3 Days
		3) Plasticity index		2 Kg	3 Days
		4) Specific gravity		1 Kg	2 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		5) Free Swelling index		1 Kg	2 Days
		6) Light Compaction		25 Kg	3 Days
		7) Heavy Compaction		25 Kg	3 Days
		8) CBR value		25 Kg	7 Days
		9) Grain Size analysis 100 mm to 75 micron		20 Kg	2 Days
		10) Complete Grain size analysis by Hydrometer		20 kg	7 Days
		11) Soil Classification		20 kg	7 Days
		12) Dry Density by Core cutting method		On site test Visit Charges extra	2 Days
		13) Dry Density by send replace method		On site test Visit Charges extra	2 Days
		14) Degree of compaction		On site test	2 Days
		15) Uniformity Co – efficient		20 Kg	3 Days
		16) 75 micron passing		2 kg	2 Days
		17) Angle of friction (C & Ø)		10 kg	5 Days
		<u>Physical test as per IS 383</u>		30 kg	14 Days
22	FINE AGGREGATE	1) Deleterious material		5 kg	2 Days
		2) Sieve analysis		5 kg	1 Day
		3) Silt Content		0.5 kg	1 Day
		4) Fineness Modulus		5 kg	1 Day
		5) Specific gravity		2 kg	2 Days
		6) Water absorption		2 kg	2 Days
		7) Bulk Density Loose & Compacted		5 kg	2 Days
		8) Soundness		5 kg	14 Days
		9) Surface Moisture		2 kg	2 Days
		10) Bulkage of sand		1 kg	2 Days
		<u>Chemical test as per IS 383</u>		5 kg	5 Days
		1) Alkalinity reactivity		2 kg	5 Days
		2) Organic Impurity		1 Kg	2 Days
		3) Chloride		1 Kg	2 Days
		4) Sulphate		1 Kg	2 Days
		<u>Complete Chemical and Physical as per IS 383</u>		40 kg	14 Days
23	COARSE AGGREGATE	<u>Physical test as per IS 383</u>		40 kg	14 Days
		1) Deleterious material		10 Kg	3 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		2) Sieve analysis		5 Kg	2 Days
		3) Specific gravity		2 Kg	2 Days
		4) Water absorption		2 Kg	2 Days
		5) Bulk Density Loose & Compacted		25 Kg	2 Days
		6) Soundness		20 Kg	14 Days
		7) Combined Flakiness Index and Elongation		3 Kg	2 Days
		8) Crushing Value		5 Kg	2 Days
		9) Abrasion Value		10 Kg	2 Days
		10) Impact value		5 Kg	2 Days
		11) 10 % Fine value		10 Kg	2 Days
		<u>Chemical test as per IS 383</u>		10 kg	5 Days
		1) Alkalinity reactivity		5 Kg	5 Days
		2) Chloride		1Kg	2 Days
		3) Sulphate		1 Kg	2 Days
		<u>Complete Chemical and Physical as per IS 383</u>		50 kg	14 Days
24	MASONRY SAND/PLASTER SAND	<u>Physical test as per IS 2116/IS 1542</u>		5 kg	3 Days
		1) Sieve Analysis		2 kg	3 Days
		2) Clay, Fine silt, and Fine Dust		2 kg	3 Days
		3) Organic Impurity		1 kg	3 Days
25	CEMENT CONCRETE MIX DESIGN	<u>Physical test as per IS 516</u>		-	-
		1) Compressive Strength		3 Cube	1 Day
		2) Flexural Strength		3 Beam	1 Day
		3) Concrete Design mix as per IS 10262, Grade M15 to M80		2 Full Bag Cement, 3 Bags fine Aggregate, 3 Bags 10 mm Aggregate, 3 Bags 20 mm Aggregate, 1 liter Admixture and 1 Bag fly ash	ACT Strength 7 Days and Normal curing 28 days strength 35 Days
		<u>Chemical test as per IS 14959 pt-1,2 and IS 456</u>		6 kg	3 Days
		1) Acid Soluble Chloride		5 kg	1 Day
		2) Sulphate		1 kg	3 Days
		1) Ratio test		5 kg	3 Days
26	ADMIXTURE	<u>Chemical test as per IS 9103</u>		500 ml	2 Days
		1) pH		100 ml	2 Days
		2) Ash Content		50 ml	5 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRE D TIME
		3) Dry Content		50 ml	5 Days
		4) Relative Density		250 ml	1 Day
		5) Chloride Content		100 ml	1 Day
		<u>Physical test as per IS 9103</u>		2 Liter	35 Days
		1) Water content percent of control sample		100 ml	3 Days
		2) Slump		100 ml	3 Days
		3) Time of setting allowable deviation from control sample		200 ml	3 Days
		4) Setting time Initial & Final		200 ml	3 Days
		5) Compressive strength percent of control sample 3 ,7 and 28 days		200 ml	31 Days
		6) Flexural strength percent of control sample 3 ,7 and 28 days		200 ml	31 Days
		7) Length change percent increase over control sample		200 ml	35 Days
		8) Bleeding percent increase over control sample		200 ml	3 Days
		9) Air content over control		200 ml	3 Days
		<u>Complete Chemical and Physical as per IS 9103</u>		2.5 Liter	35 Days
27	BURNT CLAY BRICKS/FLYASH BRICK	<u>Physical test as per IS 1077/IS 13757</u>		20 Bricks	14 Days
		1) Compressive Strength		5 Bricks	5 Days
		2) Water Absorption		5 Bricks	3 Days
		3) Dimension		20 Bricks	1 Day
		4) Efflorescence		5 Bricks	14 Days
28	BITUMEN	<u>Physical test as per IS 73</u>		5 kg	7 Days
		1) Specific gravity		100 Kg	1 Day
		2) Flash point		200 Kg	2 Days
		3) Softening pint		200 Kg	2 Days
		4) Penetration		300 Kg	2 Days
		5) Ductility		500 Kg	2 Days
		6) Kinematic viscosity		300 Kg	2 Days
		7) Absolute Viscosity		300 Kg	2 Days
		<u>Chemical test as per IS 73</u>		1 kg	2 Days
		1) Water Content		300 Kg	1 Day
		2) Solubility in trichloroethylene		100 Kg	2 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		<u>Complete Chemical and Physical as per IS 73</u>		5 kg	7 days
29	COMPACTED BITUMINOUS MIX	<u>Physical test as per MORTH</u>		3 Specimens	3Days
		1) Sieve Analysis		3 Specimens	2 Days
		4 Marshal Stability and Flow		3 Specimens	3 Days
		5 Percentage of Air voids		3 Specimens	3 Days
		6 Percent voids filled with Bitumen (VFB)		3 Specimens	3 Days
		7 Percent voids in mineral aggregate (VMA)		3 Specimens	3 Days
		8 Density		3 Specimens	3 Days
		9 Bitumen Content		2 Kg	1 Day
30	BITUMINOUS CONCRETE (BC)	<u>1) Job mix</u>		5 kg Bitumen, 25 kg each Aggregate, and Lime/Cement 5 Kg	7 Days
31	DENSE BITUMINOUS MACADAM (DBM)	<u>1) Job mix</u>		5 kg Bitumen, 25 kg each Aggregate, and Lime/Cement 5 Kg	7 Days
32	BITUMINOUS MACADAM (BM)	<u>1) Job mix</u>		5 kg Bitumen, 25 kg each Aggregate, and Lime/Cement 5 Kg	7 Days
33	WET MIX MACADAM (WMM)	<u>1) Job Mix</u>		25 Kg each Material	7 Days
34	GRANULAR SUB BASE MATERIAL (GSB)	<u>1) Job Mix</u>		25 Kg each Material	7 Days
35	WATER BOUND MACADAM (WBM)	<u>1) Job Mix</u>		25 Kg each Material	7 Days
36	CERAMIC TILES	<u>Physical test as per IS 15622</u>		20 Tiles	4 Days
		1) Water Absorption		7 Tiles	4 Days
		2) Breaking Strength		10 Tiles	3 Days
		3) Modulus Rapture			
		4) Moisture Content		7 Tiles	4 Days
		5) Dimensions		20 Tiles	1 Day
		<u>Chemical test as per IS 15622</u>		4 Tiles	7 Days
		1) Resistance to staining		1 Tiles	2 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRED TIME
		2) Resistance to Acid		1 Tiles	7 Days
		3) Resistance to Alkalis		1 Tiles	7 Days
		4) Resistance to household chemical test & Swimming pool water cleaners.		1 Tiles	2 Days
		<u>Complete Chemical and Physical as per IS 15622</u>		25 Tiles	8 Days
37	AUTOLAVE CELLULER CONCRETE(ACC BLOCKS)	<u>Physical test as per IS 2185 pt-3</u>		20 Blocks	30 Days
		1) Dimension		20 Blocks	1 Days
		2) Bulk Density		3 Blocks	5 Days
		3) Compressive Strength		12 Blocks	7 Days
		4) Drying Shrinkage		3 Blocks	30 Days
38	CEMENT CONCRETE TILES & PAVERS BLOCKS	<u>Physical test as per IS 15658</u>		19 Specimen	4 Days
		1) Compressive Strength		8 Specimens	2 Days
		2) Water Absorption		3 Specimens	3 Days
		3) Abrasion resistance		8 Specimens	4 Days
39	CHEQUERED CEMENT CONCRETE TILES	<u>Physical test as per IS 13801</u>		18 Specimens	4 Days
		1) Water Absorption		6 Specimens	3 Days
		2) Transverses Strength		6 Specimens	2 Days
		3) Resistance to wear		6 Specimens	4 Days
40	CEMENT CONCRETE FLORING TILE	<u>Physical test as per IS 1237</u>		18 Specimens	4 Days
		1) Water Absorption		6 Specimens	3 Days
		2) Wet Transverse Strength		6 Specimens	3 Days
		3) Resistance to wear		6 Specimens	4 Days
41	MANGALORE TILES	<u>Physical test as per IS 654</u>		15 Specimens	3 Days
		1) Water Absorption		6 Specimens	3 Days
		2) Breaking Strength		6 Specimens	3 Days
		3) Dimensions		3 Specimens	1 Day
42	KERB STONE	<u>Physical test as per IS 5758</u>		6 Specimens	7 Days
		1) Compressive Strength		3 Specimens	3 Days
		2) Water Absorption		3 Specimens	7 Days
43	Kota Stone	<u>Physical Test as per IS 1124</u>		3 Piece , 1x1sq ft	3 Days
		1) Water Absorption		1 Piece , 1x1sq ft	3 Days
		2) Apparent Specific Gravity		1 Piece , 1x1sq ft	3 Days
		3) Porosity		1 Piece , 1x1sq ft	3 Days
44	Marble Stone	<u>Physical Test as per IS 1130</u>		3 Piece , 1x1sq ft	3 Days
		1) Moisture Content		1 Piece , 1x1sq ft	3 Days
		2) Hardness		1 Piece , 1x1sq ft	1 Day
		3) Specific Gravity		1 Piece , 1x1sq ft	3 Days

S. No.	DESCRIPTION OF MATERIAL	NAME OF TEST	RATE PER TEST Rs.	QUANTITY OF SAMPLE REQUIRED	TESTING REQUIRE D TIME
45	Granite Stone	<u>Physical Test as per IS14223 pt-1</u>		16 Piece , 1x1sq ft	4 Days
		1) Moisture Content		1 Piece , 1x1sq ft	2 Days
		2) Dry Density		1 Piece , 1x1sq ft	3 Days
		3) Specific Gravity		1 Piece , 1x1sq ft	3 Days
		4) Water Absorption		1 Piece , 1x1sq ft	3 Days
		5) Porosity (Percent)		1 Piece , 1x1sq ft	3 Days
		6) Compressive Strength		3 Piece , 1x1sq ft	3 Days
		7) Ultrasonic Pulse Velocity		1 Piece , 1x1sq ft	1 Day
		8) Hardness		1 Piece , 1x1sq ft	1 Day
		9) Resistance to Wear		6 Piece , 1x1sq ft	4 Days
46	TIMBER/WOOD	<u>Physical test as per IS 1708Pt-1, 2</u>		1 Mtr., 1 Nos	3 Days
		1) Density		1 Mtr., 1 Nos	3 Days
		2) Specific Gravity			
47	ACT Cube	<u>Physical Test as per IS 9013</u>		3 Nos	1 Day
48	STRUCTURE CONCRETE	<u>Nondestructive Testing/ Destructive Testing as per IS 13311 pt-1,2, IS 516</u>	-	-	-
		10) Ultrasonic Pulse Velocity (UPV)		25 Point on site	1 Day
		11) Rebound Hammer		25 Point on site	1 Day
		12) Concrete Core Cutting Dia 50 MM		3 Cores on site	1 Day
		13) Concrete Core Cutting Dia 75 MM		3 Cores on site	1 Day
		14) Concrete Core Cutting Dia 100 MM		3 Cores on site	1 Day
		15) Concrete Core Cutting Dia 125 MM		3 Cores on site	1 Day
		16) Concrete Core Cutting Dia 150 MM		3 Cores on site	1 Day
		17) Core Capping all Dia		3 Cores	3 Days
		18) Compressive Strength		3 Cores	1 Days

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