



BUILDCON

MATERIAL TESTING AND SERVICES PRIVATE LIMITED

ISO 9001:20015

Office Address :
 Suraj Plaza, Survey No.22/5/2/1, Swami
 Samarth Colony, Near Sancheti School,
 Thergaon, Pune - 411033

Contact Details:
Toll Free No. 1800 313 1295 / Direct No 7767012930
 Web: www.buildconservices.com
 Email: info@buildconservices.com

RATE LIST FOR TESTING

Sl No	Particulars	Charges in Rupees	Unit	Sample size required	Minimum Time Required	Tested As Per Indian Standard
I) CONCRETE MIX DESIGN						
1	Conventional Concrete mix design (up M30)	₹ 6,000.00	Per Design	1) 1 Bag Cement 2) 150 kg Coarse Aggregate each 3) 150 Fine Aggregate (Sand) 4) 02 lit Admixture (if required)	Interim report - 8 to 10 days Final report - 35 to 40 days	IS 10262 & DOE Method
2	Conventional Concrete mix (Based on Accelerated Curing Method) (UP TO M30)	₹ 7,000.00	Per Design			
3	Concrete Mix Design M 35 and above	₹ 8,000.00	Per Design			
4	Concrete Mix Design M 35 and above (Based on Accelerated Curing Method)	₹ 9,000.00	Per Design			
5	Self Compacting concrete	₹ 7,000.00	Per Design			
6	Verification Trail for mix design (workability & strength for 7, 28 days) per trial	₹ 3,500.00	Per Design			IS 10262 IS 516
7	Dry Lean Concrete (DLC)	₹ 6,000.00	Per Design			12 Days
8	Pavement Quality Concrete (PQC) with flexure test results	₹ 9,000.00	Per Design	1) 2 Bag Cement 2) 300 kg Coarse Aggregate each 3) 300 Fine Aggregate (Sand) 4) 05 lit Admixture (if required)	Interim report - 8 to 10 days Final report - 35 to 40 days	MORTH 5th Rev Sec 600 & IS 10262
II) CONCRETE TESTING						
1	Compressive strength of concrete cube	₹ 250.00	One Set (3 Cubes)	03 Nos of cube	1 Day	IS 516
2	Compressive strength by accelerated curing only	₹ 1,000.00	One Set (3 Cubes)	03 Nos of cube	2 Days	IS 516
3	Compressive strength of mortar cube	₹ 200.00	One Set (3 Cubes)	03 Nos of cube	1 Day	IS 516
4	Flexural Strength of Beam	₹ 1,250.00	One Set (3 Beams)	03 Nos of Beam	1 Day	IS 516
5	Compressive strength of concrete by Cylinders	₹ 250.00	One Set (3 Cylinder)	03 Nos of Cylinder	1 Day	IS 516
6	Compressive Strength of concrete by core (including preparation, Capping and cutting drilling) up to 100 mm dia <i>Note: Transportation extra as per actual and Generator Charges Extra Rs. 2000/- (If Required) min 03 core</i>	₹ 3,000.00	One Core	01 Nos of core	05 Days	IS 516
III) PAVING BLOCK						
1	Water absorption	₹ 350.00	One Set (3 Blocks)	03 Nos of Block	02 days	IS 15658



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2	Compressive strength	₹ 1,200.00	One Set (8 Blocks)	08 Nos of Block	01 days	IS 15658
3	Deamination	₹ 150.00	One Set (8 Blocks)	08 Nos of Block	01 days	IS 15658
IV) BRICK (BURNT CLAY AND FLY ASH)						
1	Water absorption	₹ 500.00	One Set (5 Brick)	05 Nos of Brick	03 days	IS 3495, IS 12894
2	Compressive strength	₹ 650.00	One Set (5 Brick)	05 Nos of Brick	06 days	IS 3495, IS 12894
3	Dimensions analysis	₹ 350.00	One Set (20 Brick)	20 Nos of Brick	01 days	IS 3495, IS 12894
4	Density Test	₹ 350.00	One Set (5 Brick)	05 Nos of Brick	02 days	IS 3495, IS 12894
5	Efflorescence	₹ 650.00	One Set (5 Brick)	05 Nos of Brick	06 days	IS 3495, IS 12894
V) CONCRETE BLOCK						
1	Water absorption	₹ 750.00	One Set (3 Block)	03 Nos of Block	02 Days	IS 2185
2	Compressive strength	₹ 950.00	One Set (8 Block)	08 Nos of Block	01 Day	IS 2185
3	Dimensions analysis	₹ 250.00	One Set (5 Block)	05 Nos of Block	01 Day	IS 2185
4	Density Test (Dry)	₹ 650.00	One Set (3 Block)	03 Nos of Block	02 Days	IS 2185
VI) CEMENT						
1	Standard Consistency	₹ 300.00	Per Test	05 Kg	01 Day	IS 4031
2	Fineness by Blain's air permeability	₹ 300.00	Per Test	05 Kg	02 Days	IS 4031
3	Finesses by dry sieving	₹ 250.00	Per Test	05 Kg	02 Days	IS 4031
4	Soundness by Le Chatelier's Apparatus	₹ 350.00	Per Test	05 Kg	02 Days	IS 4031
5	Initial & Final setting time	₹ 400.00	Per Test	10 Kg	02 Days	IS 4031
6	Sp. Gravity of cement	₹ 400.00	Per Test	05 Kg	02 Days	IS 4031
7	Compressive strength including Casting in standard sand (3, 7 & 28 days)	₹ 1,500.00	Per Test (09 Cubes)	10 Kg	30 Days	IS 4031
VII) FINE AGGREGATE (NATURAL AND CRUSHED SAND)						
1	Sieve analysis and Fineness	₹ 250.00	Per Test	Min 5 kg	01 Day	IS 2386 & IS 383
2	Material finer than 75 Micron	₹ 200.00	Per Test	Min 5 kg	01 Day	IS 2386 & IS 383
3	% silt by Volume (only Natural Sand)	₹ 200.00	Per Test	Min 5 kg	01 Day	CPWD Speci.Vol. I
4	Specific gravity and water absorption	₹ 300.00	Per Test	Min 5 kg	03 Days	IS 2386 & IS 383
5	Bulk density	₹ 200.00	Per Test	Min 8 kg	01 Day	IS 2386 & IS 383
6	Moisture Content	₹ 200.00	Per Test	Min 5 kg	01 Day	IS 2386 & IS 383



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Sl No	Particulars	Charges in Rupees	Unit	Sample size required	Minimum Time Required	Tested As Per Indian Standard
7	Bulking (Natural Sand)	₹ 200.00	Per Test	Min 5 kg	01 Day	IS 2386 & IS 383
VIII) AGGREGATE:						
1	Sieve analysis	₹ 300.00	Per Test	100 kg	01 Day	IS 2386 & IS 383
2	Specific gravity and water absorption	₹ 350.00	1 Test	25 Kg	03 Day	IS 2386 & IS 383
3	Los Angeles Abrasion Test	₹ 450.00	Per Test	50 Kg	02 Days	IS 2386 & IS 383
4	Bulk density	₹ 200.00	1 Test	100 kg	01 Day	IS 2386 & IS 383
5	Flakiness Index	₹ 350.00	Per Test	100 kg	01 Day	IS 2386 & IS 383
6	Elongation Index	₹ 350.00	Per Test	100 kg	01 Day	IS 2386 & IS 383
7	Crushing Value	₹ 350.00	Per Test	25 Kg	02 Days	IS 2386 & IS 383
8	Impact Value	₹ 350.00	1 Test	25 Kg	02 Days	IS 2386 & IS 383
9	10 % Fines Value	₹ 350.00	1 Test	25 Kg	02 Days	IS 2386 & IS 383
10	Material finer than 75 Micron only for 10 mm (Deleterious Material)	₹ 450.00	1 Test	25 Kg	01 Day	IS 2386 & IS 383
11	Deleterious Content	₹ 450.00	Per Test	25 Kg	05 Days	IS 2386 & IS 383
12	Alkali Aggregate Reactivity	₹ 450.00	Per Test	05 Kg	05 Days	IS 2386 & IS 456
IX) CERAMIC TILE TESTING :						
1	Dimension analysis	₹ 350.00	01 Set (10 Tiles)	10 Nos of Tiles	01 Day	IS 13630
2	Water absorption	₹ 1,000.00	01 Set (05 Tiles)	05 Nos of Tiles	02 Day	IS 13630
3	Skid Resistance Test (Note: Transportation as actual on site test)	₹ 4,500.00	Per Test	12 Nos of Tiles (On site as actual)	02 Day	ASTM E 1337 & E 1136
X) MOZIAC AND CHEQUERED TILES						
1	Dimension analysis	₹ 350.00	01 Set (06 Tiles)	06 Nos of Tiles	01 Day	IS 1237 & IS 13801
2	Water absorption	₹ 1,000.00	01 Set (06 Tiles)	06 Nos of Tiles	02 Day	IS 1237 & IS 13801
XI) PLYWOOD TESTING						
1	Density; Thickness & Moisture Content	₹ 750.00	01 Test	As Required *	10 Days	IS 1734
2	Adhesion of Piles	₹ 1,200.00	Per Test	As Required *	10 Days	IS 1734
3	Water Resistance	₹ 1,200.00	Per Test	As Required *	10 Days	IS 1734
XII) WOOD TESTING						
1	Density & Moisture Content	₹ 1,000.00	Per Test	As Required *	03 Days	IS 1708
2	Compressive Strength	₹ 650.00	Per Test	As Required *	03 Days	IS 1708
XIII) SOIL TESTING						
1	Field density / In-situ bulk density					
	a) By Sand Replacement Method (in PMC Limits)	₹ 750.00	Per Test	Field Test	02 Days	IS 2720
	c) By Core Cutter Method (in PMC Limits)	₹ 700.00	Per Test	Field Test	02 Days	IS 2720



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	<i>(Note: Transpiration Extra at Actual for Site Test. Minimum 6 Test Required)</i>					
2	Water Content	₹ 150.00	Per Test	50 Kg	02 Days	IS 2720
3	Specific gravity	₹ 350.00	Per Test	50 Kg	02 Days	IS 2720
4	Grain Size Analysis by sieving	₹ 500.00	Per Test	50 Kg	02 Days	IS 2720
5	Grain Size Analysis - Hydrometer	₹ 900.00	Per Test	50 Kg	02 Days	IS 2720
6	Free Swell Index	₹ 250.00	Per Test	10 Kg	02 Days	IS 2720
7	Atterberg's Limit's (LL & PL) & Plasticity Index	₹ 650.00	Per Test	50 Kg	03 Days	IS 2720
8	Proctor Compaction Test MDD & OMC (Standard)	₹ 1,250.00	Per Test	50 Kg	04 Days	IS 2720
9	Proctor Compaction Test MDD & OMC (Modified)	₹ 1,500.00	Per Test	50 Kg	04 Days	IS 2720
10	Laboratory CBR					
	a) Soaked	₹ 1,500.00	Per Test	100 Kg	05 Days	IS 2720
	b) Unsoaked	₹ 1,200.00	Per Test	100 Kg	07 Days	IS 2720
XIV) NON - DESTRUCTIVE TESTING						
1	BY REBOUND HAMMER <i>Note: Transportation extra and Min 10 Point per Visit</i>	₹ 2,500.00	Per Test (48 Points)	As Required *	02 Days	IS 13311
2	Ultrasonic Concrete Testing <i>Note: Transportation extra and Min 10 Point per Visit</i>					
	a) For Columns	₹ 500.00	Per Point	As Required *	01 Day	IS 13311
	b) For Beams	₹ 500.00	Per Point	As Required *	01 Day	IS 13311
	c) For Footing	₹ 500.00	Per Point	As Required *	01 Day	IS 13311
	d) For Slab	₹ 500.00	Per Point	As Required *	01 Day	IS 13311
XV) CONCRETE CORE CUTTING						
1	Concrete Core Cutting of various sizes <i>Note: Transportation extra and Generator Charges Extra Rs. 2000/- (If Required)</i>	As Actual	Per Core	01 Core	NA	NA
XVI) WATER TESTING FOR CONSTRUCTION PURPOSE						
1	Total Hardness	₹ 200.00	Per Test	02 Lit	02 Days	IS 3025
2	ph	₹ 150.00	Per Test	02 Lit	02 Days	IS 3025
3	Sulphates (as SO ₃)	₹ 200.00	Per Test	02 Lit	02 Days	IS 3025
4	Chlorides (as Cl)	₹ 250.00	Per Test	02 Lit	02 Days	IS 3025
XVII) BITUMEN / TAR						
1	Bitumen Binder Content	₹ 950.00	Per Test	05 Kg	01 Day	MORTH 500 and ASTM (P-11)1964-D-2172



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2	Bitumen Binder Content & Gradation	₹ 1,250.00	Per Test	05 Kg	02 Days	MORTH 500 and ASTM (P-11)1964-D-2172
3	Marshal Stability Test (03 no Prepared Moulds)	₹ 1,100.00	Per Set (03 Mould)	03 No Moulds	03 Day	ASTM-D-1599-62(P11)1964
4	Marshall Stability Test - With preparation of mould	₹ 2,500.00	Per Test	50 Kg Mix Material	04 Day	ASTM-D-6926-04
5	Bitumen Core Density (Wax Method including preparation)	₹ 650.00	Per Test	01 Core	02 Days	
6	Bitumen pavement Core Cutting (one Core) <i>Note: Transportation extra and Generator Charges Extra Rs. 2000/- (If Required) Minimum 12 Core</i>	₹ 600.00	Per Core	01 Core	NA	NA
7	Dressing of Core	₹ 250.00	Per Test	01 Core	NA	NA
8	Density of mix with preparation of mould	₹ 2,000.00	Per Set (03 Mould)	50 Kg Mix Material	03 Days	MORTH 500
9	Material Testing for Job Mix (BM, BC, DBM, SDBC, MSS, Mastic Asphalt, seal coat)	₹ 3,000.00	Per Test	1) Fine Aggregate 25 Kg 2) Coarse Aggregate 50 Kg 3) Bitumen 5 Kg 4) Filler 2 Kg	10 Days	MORTH 500
10	Job Mix formula for BM, DBM, SDBC, BC, MSS	₹ 6,500.00	Per Design	1) Fine Aggregate 35 Kg 2) Coarse Aggregate 100 Kg 3) Bitumen 10 Kg 4) Filler 2 Kg	10 Days	MORTH 500 & MS2
11	Job Mix formula for Mastic Asphalt	₹ 9,000.00	Per Design	1) Fine Aggregate 100 Kg 2) Coarse Aggregate 25 Kg 3) Bitumen 20 Kg 4) Limestone/Filler 25 Kg	10 Days	IRC 107



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12	Job Mix formula for Seal Coat	₹ 4,500.00	Per Design	1) Fine Aggregate 25 Kg 2) Coarse Aggregate 50 Kg 3) Bitumen 5 Kg 4) Filler 2 Kg	10 Days	MORTH 500
XVIII) NATURAL BUILDING STONE						
1	Dry OR Wet Compressive Strength (Including Preparation)	₹ 1,200.00	Per Test	01 Test	03 Days	IS 1121
2	Density of rock (wax method) (Including Preparation)	₹ 750.00	01 Set (03 Nos Core)	03 Nos of Core	03 Days	IS 1121 and IS 1122 and IS 1125
3	Specific gravity, Porosity and Water Absorption	₹ 900.00	Per Test	05 Kg (Passing 20 mm & 10 mm Retained)	03 Days	IS 1122 and IS 1124
4	Rock Core Cutting	As Actual	Per Test	NA	NA	NA
XIX) STEEL (CONCRETE RENINFORCEMENT)						
1	All Physical test (for bar up to 12 mm dia)	₹ 450.00	Per Test	03 No of Bars 1400 mm	02 Days	IS 1786
2	All Physical test (for bar 16 mm to 25 mm dia)	₹ 500.00	Per Test	03 No of Bars 1400 mm	02 Days	IS 1786
3	All Physical test (for bar above 25 mm dia)	₹ 700.00	Per Test	03 No of Bars 1800 mm	02 Days	IS 1786
XX) BITUMEN						
1	Softening Point	₹ 400.00	Per Test	05 Kg	02 Day	IS 1205
2	Penetration Test	₹ 350.00	Per Test	05 Kg	02 Day	IS 1203
3	Flash & Fire Point	₹ 500.00	Per Test	05 Kg	02 Day	IS 1209
4	Specific Gravity	₹ 250.00	Per Test	05 Kg	02 Day	IS 1202
5	Ductility Test	₹ 550.00	Per Test	05 Kg	02 Day	IS 1208
6	Viscosity - Absolute Viscosity & Kinematic	₹ 1,800.00	Per Test	05 Kg	02 Day	IS 1206
7	Loss on heating	₹ 500.00	Per Test	05 Kg	02 Day	IS 1212



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Sl No	Particulars	Charges in Rupees	Unit	Sample size required	Minimum Time Required	Tested As Per Indian Standard
XXI) POZZOLANIC MATERIALS- FUEL ASH (FLY ASH)						
1	Particles retained on 45 micron IS Sieve (Wet Sieving)	₹ 300.00	Per Test	02 Kg	02 Day	IS 1727
2	Moisture content	₹ 250.00	Per Test	05 Kg	02 Day	IS 1727
3	Fineness by Blain's air permeability	₹ 400.00	Per Test	05 Kg	02 Day	IS 1727
4	Soundness by Le Chatelier's Apparatus	₹ 350.00	Per Test	05 Kg	02 Day	IS 1727
5	Initial & Final setting time	₹ 400.00	Per Test	05 Kg	02 Day	IS 1727
6	Specific Gravity	₹ 350.00	Per Test	05 Kg	02 Day	IS 1727
7	Compressive strength including Casting in standard sand (3, 7 & 28 days)	₹ 1,500.00	Per Test	10 Kg	30 Day	IS 1727
XXII) POZZOLANIC MATERIALS- FUEL ASH (FLY ASH)						
1	Particles retained on 45 micron IS Sieve (Wet Sieving)	₹ 300.00	Per Test	02 Kg	02 Day	IS 1727
2	Moisture content	₹ 250.00	Per Test	05 Kg	02 Day	IS 1727
3	Fineness by Blain's air permeability	₹ 400.00	Per Test	05 Kg	02 Day	IS 1727
4	Soundness by Le Chatelier's Apparatus	₹ 350.00	Per Test	05 Kg	02 Day	IS 1727
XXIII) GSB,WBM,WMM						
1	Job Mix formula for GSB	₹ 7,500.00	Per Test	Agg Each size- 100 kg	02 Day	MOTRH
2	Job Mix formula for WMM	₹ 7,500.00	Per Test	Agg Each size- 100 kg	02 Day	MOTRH
3	Field Density test by sand replacement <i>Note: Transportation extra and Min 10 Point per Visit</i>	₹ 3,500.00	01 Set (03 Nos)	03 Nos of test	02 Day	IS 2720
XXIV) SKID RESISTANCE						
1	Skid Resistance Test for All Pavement <i>(Note: Transportation as actual on site test)</i>	₹ 12,000.00	Per Test	As actual	02 day	ASTM E 1337 & E 1136