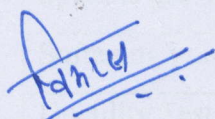


**STRUCTURAL ENGINEERING GROUP
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

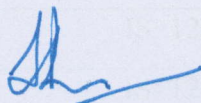
LIST OF ROUTINE TESTS

effective from 01/04/2021

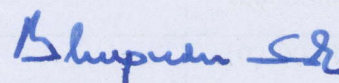
Sr. No.	Material	Test	Testing Charges (₹/Sample)	Material Requirement
1.	CEMENT (IS: 4031)	Fineness, Standard Consistency, Initial and Final Setting Time 3,7 & 28-day Compressive Strength & Soundness test.	20000/-	1 Sealed bag/Sample
2.	COARSE AND FINE AGGREGATE (IS: 383 & IS: 2386)	(a) Bulk Density, Sieve Analysis and Fineness Modulus	10000/-	50 kg/Sample
		(b) Aggregate Crushing Test	8000/-	
		(c) Specific Gravity	8000/-	
		(d) Aggregate Impact Test	8000/-	
3.	CONCRETE (IS: 516 & IS: 1199)	Compressive Strength of Cubes / Cylinders / Flexural Strength of Beam	10000/- (7000/- per sample for additional samples)	3 Nos/Sample
4.	BRICKS/STONE/TILES (IS: 3495, IS: 1237, IS: 15622, & IS: 13630)	Water absorption test, Dimension & Compressive strength test & efflorescence test	15000/-	20 Nos/Sample
5.	STEEL (IS: 1786, IS: 2062, IS: 1599 & IS: 1608)	Yield Strength, Ultimate Strength, % Elongation & Bend test.	15000/-	1 Meter long 3 Nos/Sample
6.	PVC, HDPE, MSERW & GI Pipes (IS: 1239, IS: 4985, IS: 4984 & IS: 12235)	Hydrostatic Pressure test, Dimension Test & Density Test	15000/-	1 Meter long 3 Nos/Sample



Technical Officer -I



O.C. S.E.G. Lab



Coordinator S.E.G.