



## NANDHA ENGINEERING COLLEGE, ERODE - 52

(AUTONOMOUS)

### Department of Civil Engineering Consultancy & Testing Activities

S.No	Name of the Materials / Lab	Type of Tests/ Consultancy	Rate	Sample Required
1	STEEL (Strength of Materials Lab)	Tensile strength, Percentage of Elongation, Unit Weight	Rs.450 upto 16mm dia Rs.600 above 16mm dia	3 Nos.
2	BRICKS (Strength of Materials Lab)	Compressive Strength, Water Absorption, Efflorescence Test	Rs.300 per test	3 Nos per test
3	CONCRETE CUBES & HOLLOW BLOCKS (Concrete & Highway Lab)	Compressive Strength	Rs.300 per set	3 Nos
4	CEMENT (Concrete & Highway Lab)	Fineness of Cement, Consistency, Initial Setting Time, Final Setting Time, Compressive Strength (3 Days & 7 Days)	For all test Rs.500 per sample	10 Kg
5	CONCRETE MIX DESIGN (Concrete & Highway Lab)	Design mix for given Grade	Rs.4000 per grade	Cement 1 bag Sand 2 bags Coarse Aggregate 20 mm 2 bags 10mm 1 bag
6	COARSE AGGREGATE (Concrete & Highway Lab)	Sieve Analysis, Crushing Strength, Impact Test, Abrasion Value, Attrition Value, Flakiness Index & Elongation Index, Specific Gravity	Rs. 250 per test	20 Kg per test
7	SAND (Concrete & Highway Lab)	Sieve Analysis, Specific Gravity, Bulking of Sand	Rs.250 per test	10 Kg per test
8	BITUMEN (Concrete & highway Lab)	Penetration Test	Rs. 150.00	2 Kg

S.No	Name of the Materials / Lab	Type of Tests/ Consultancy	Rate	Sample Required
9	SOIL (Soil Lab)	i. Tri-axial Compression Test ii. Direct Shear Test iii. Particle size distribution of soil iv. Plastic Limit v. Proctor Test a. Standard b. Modified vi. Shrinkage Limit vii. Moisture Content viii. Specific Gravity ix. Bulking of sand x. Bulk density ( core cutter method sand replacement method)	Rs.4500.00 Rs.750.00 Rs.1000.00 Rs.750.00 Rs.1250.00 Rs.1500.00 Rs.1200.00 Rs.300.00 Rs.300.00 Rs.500.00 Rs.1250.00	—
10	WATER (Drinking & Construction purpose) (Environmental Lab)	Total Solids, Dissolved Solids, Colour, pH, Acidity, Alkalinity, Suspended Solids, Chlorides, and Hardness.	Rs.1000.00	5 Litres
11	WASTE WATER (Environmental Lab)	Characteristic of Sample DO & BOD	Rs.1000.00	5 Litres
12	CONSULTANCY FOR TREATMENT PLANT (Environmental Lab)	Suggestion, Flow chart	Min Rs.1000. It may vary depending upon the nature and volume of work	—
13	SURVEYING (Surveying Lab)	Area Measurement	Rate depends upon nature of work and terrains vary from Rs1000 to Rs.2500 per acre.	—