

# Consultancy

## Civil Engineering

In Civil Engineering, following tests and consultancy works are conducted in our college:-

<b>Materials</b>	<b>Name of Tests</b>
<b>Coarse Aggregate</b>	1. Shape test ( Flakiness & Elongation )
	2. Gradation Analysis
	3. Water Absorption
	4. Los Angeles Abrasion test
	5. Aggregate Impact value
	6. Crushing value
	7. Soundness test
<b>Fine Aggregate</b>	1. Grading Analysis
	2. Water Absorption
	3. Bulk Density
	4. Silt Content
	5. Determination of Deleterious materials
<b>Concrete</b>	1. Compressive strength
	2. Concrete Mix Design
<b>Bricks</b>	1. Dimensional Tolerance
	2. Compressive strength
	3. Water absorption
	4. Efflorescence
<b>Cement</b>	1. Fineness in sq.m/kg
	2. Compr.str. (3,7&28 days)
	3. Initial & final setting time
	4. Soundness
<b>Soil</b>	1. Safe Bearing Capacity of soil
	2. Liquid Limit
	3. Plastic Limit
	4. Specific gravity
	5. Soil classification
	6. MDD
	7. OMC

Following are the major clients of our Civil Engineering consultancy work:-

1. PowerGrid Corporation of India Ltd
2. Nagar Nigam
3. SECL
4. NTPC
5. Railway

# Electrical Engineering

In Electrical Engineering, following testing and inspection of following equipments are conducted in our college:-

1.	Ammeter
2.	Voltmeter
3.	Megger
4.	Earth Tester
5.	Energy Meter
6.	CT's
7.	Induction Motor (up to 15 HP)
8.	Welding Transformers (up to 15 HP)
9.	Transformers Oil

Following are the major clients of our Electrical Engineering consultancy work:-

1. Jindal Steel Power Ltd
2. Monet Raigarh
3. Maa Kali Alloys Udyog Ltd
4. Raigarh Iron Industries Ltd
5. Nirmalanand Steel Casting Pvt Ltd
6. Nagar Nigam
7. Radhe Krishna Oil Industries