

Testing and Consultancy facilities:

Department of Chemistry, SGSITS Indore, are providing technical services for testing of Engineering materials like soil , coarse and fine aggregate, cement, lime, stone & oil. In the field of environmental science department is engaged in testing of water, alum, phenol, metal, polymer, plastics and other materials based on IS code .

1. Testing of Soil

- pH (1:1 suspension)
- Organic matter (%) (loss on ignition)
- Cone penetrometer test (CPT)

2. Testing of Oil

- Redwood viscosity
- Say volt viscosity
- Flash point by close cup (Pensky Martins & Abel's app.)
- Flash point by open cup (Cleveland app.)
- Acidity
- Saponification
- Iodine value
- Aniline point
- Carbon residue
- Steam Emulsification number
- Cloud point and pour point

3. Testing of Semi solid lubricant

- Drop point
- Cone penetrometer test (CPT)

4. Testing of Water/ Waste-Water :

- pH
- Acidity
- Alkalinity
- Chlorides
- Sulphate
- Dissolved Oxygen
- Suspended solids
- Dissolved solids
- Total solids
- Total Hardness
- Calcium Hardness
- Mg Hardness

5. Testing of Cement(Chemical part)

6. Testing of Lime (Chemical part)

7. Testing of Alum (Chemical part)

8. Testing of Hand sanitizer

9. Testing of Phenolic compound

Department of Chemistry

10. Testing of Bleaching powder
11. Testing of Coarse and Fine Aggregate
12. Testing of Filter media
13. Testing of Stone

Quantity of Material Required:

Sr. No.	Name of the test	Quantity required(min)
1	Soil	5 Kg.
2	Oil sample	1 L.
3	Semi solid lubricant	500 g.
4	Water/ Waste-Water	2 L.
5	Cement	10 kg.
6	Lime	1 Kg.
7	Alum	1 Kg.
8	Hand sanitizer	1 L.
9	Phenolic compound	1 L.
10.	Bleaching powder	2 kg.
11	Coarse and Aggregate	10 Kg.
12	Filter media	5 Kg.
13.	Stone	2 Kg.

Sample Collection:

Sealed sample should be submitted to department along with duly signed cover letter. Cover letter should be addressed to Director, SGSITS, 23 Park Road, Indore, 452003(MP), along with GST number if available.

Test Report:

Within 2-3 working days after submitting the sample & testing charges.

Testing Charges:

Sr.No.	Name of the Test/Material	Testing Charges	
		Individual Content	Complete Test
1	Soil	1000.00	2500.00
2	Viscosity of oil	200.00/Temp.	-
3	Flash Point of oil	500.00	-
4	Acidity of oil	1000.00	-
5	Iodine value of oil	1000.00	-
6	Aniline Point of oil	500.00	-
7	Carbon residue of oil	500.00	-
8	Steam Emulsification number	500.00	-
9	Cloud point and pour point	1000.00	-
10.	Testing of Semi Solid	500.00	-
11.	Water/ Waste-Water	-	3000.00
12.	Water by Kit (7 parameter)	-	500.00
13.	Cement	1000.00	4500.00
14.	Lime	1000.00	-
15.	Alum	1000.00	2500.00
16.	Hand sanitizer	1000.00	-
17.	Phenolic compound	1000.00	2500.00
18.	Bleaching powder	-	2500.00
19.	Coarse and Aggregate	3000.00	5000.00
20	Filter media	1000.00	2500.00
21.	Stone	-	1000.00

Sample Could be sent via Post. **Bill Settlement:** Institute overhead- 15% and GST (at present GST 18%); Institutes GST IN: **23AAETS0767J1ZC**

Contact Person :

Head, Department of Chemistry, SGSITS, 23 Park Road, Indore

✉: hodac@sgsits.ac.in; ☎-0731 2582181 ¹

¹**Please Note:** By submitting samples to the department you have agreed upon following “Report/bill issued by department will be used for information purpose only, it will not be used as proof in any dispute/legal matter in any circumstances”. Please send an Institute/firm/office Cover Letter signed by the appropriate authority. Payment may be made online in advance for sample analysis.