CONSULTANCY PROJECTS:

LIST OF PROJECTS TITLES:

Table: List of the Consultancy Works in the Department

Sl. No	Titles of consultancy works	Tests/Analyses Conducted
1.	SOILTESTS	These include tests/Analyses conducted on Soil in Geo Technical Engineering Laboratory such as: CBR (Complete), Compaction, Soil Bearing Capacity(SBC), C and Pie determination, Specific Gravity/Sieve analyses, Consolidation/Permeability determinations, Liquid limit/Plastic limit determination, Shrinkage limit and Foundation Design.
2.	CEMENT/CONCRETE TESTS	These include Cement tests like Specific gravity, Fineness Modulus & Mortar cube tests are carried out in Concrete Laboratory. Concrete Cubes Casting and Testing using Compression Testing Machine in Basic Materials Testing Laboratory. Concrete Mix Design and Concrete proportions like M20 , M25 & M30 are done by faculty members & cubes are casted and tested in Concrete Laboratory.
3.	CIVIL ENGINEERING CONSTRUCTION MATERIALS TESTS	These include Sieve Analysis of Fine and Coarse aggregate (Sand / M-sand), Bulking of sand, Specific Gravity of Coarse and Fine Aggregates tests conducted in Geo Technical Engineering Laboratory. Flakiness and Impact value determination for jelly conducted in Concrete Laboratory. Abrasion/ wear and tear of aggregates tests are conducted using Los Angeles Abrasion machine in Highway Laboratory. Steel/Tensile tests, Bricks/Water absorption and Compression strength tests, Tiles/Flexural tests conducted in Basic Materials Testing Laboratory. NDT tests uses Rebound hammer to determine the concrete strength or Grade in building components.
4.	BITUMIN TESTS	These include tests conducted to determine the basic properties of Bitumen using Penetrometer apparatus, ring and ball apparatus etc. Bitumen Extraction tests to determine quantity of bitumen in bituminous mix samples obtained from site using centrifuge extractor. Bituminous Mix design using Marshall stability apparatus to prepare bituminous mixes for surface and bituminous base layers of flexible pavements. Mix design on base/Sub base-course

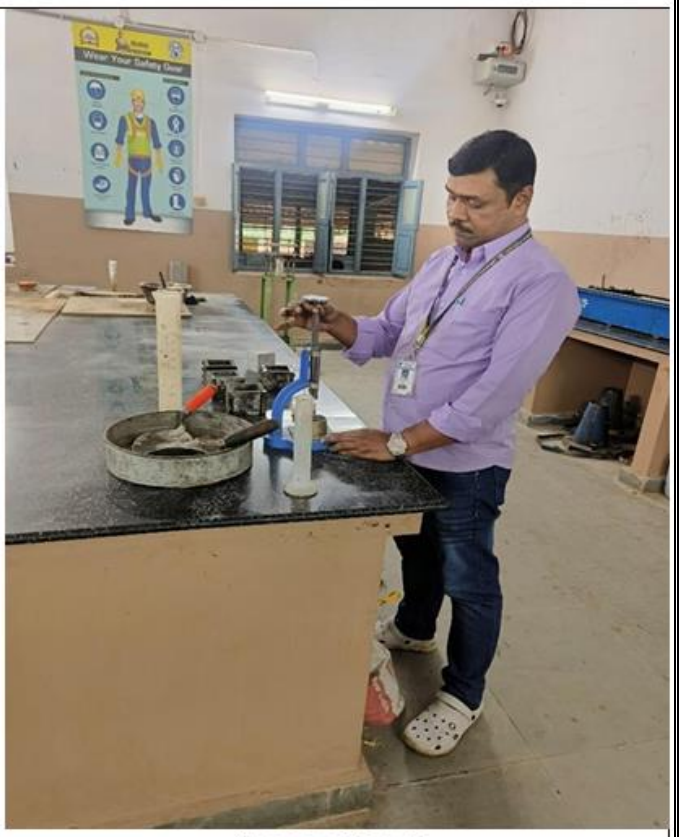
		Materials.(GSB/WMM/WBM).All these tests are conducted in Highway Laboratory.
5.	**WATER and WASTE WATER TESTS**	Water tests like pH , Turbidity , Alkalinity , Acidity, Hardness , Chlorides, Fluorides , DO is determined using Instruments like pH meter, turbidity meter, EC meter and volumetric analysis in Environmental Engineering Laboratory. Sewage/Waste water tests like pH, total solids, TDS, TSS, BOD,COD etc are determined using Instruments like pH meter BOD incubator and volumetric analysis in Environmental Engineering Laboratory.
6.	**SURVEY WORKS**	Area calculation, Contour planning, Boundary fixing and Staking out points are done using Total Station equipment. Basic surveying lab equipments are usedfor measurements.
7.	**DESIGN/PROOF CHECK**	For Truss Design-Faculty members analyse and design structural steel truss according to IS code provisions. For RCC Structural design - Faculty members analyse and design RCC structural members according to IS code provisions. Proof checking of civil engineering structures such as bridges, culverts are checked as per the IS code provisions.
8.	**RESISTIVITY PROFILING WORKS**	Locating ground water points by Resistivity Profiling Survey using Resistivity meter.
9.	**THIRD PARTY INSPECTION**	Lay-out Third party Inspection includes-Physical field visits are made and all the relevant details are taken in the preparation of third party reports.
10.	**NDT/UPV TESTS**	NDT tests uses Rebound hammer to determine the concrete strength or Grade in building components. Ultra Pulse Velocity tests (UPVT) uses sensors to determine the quality of concrete in building components.

PHOTOS OF CONSULTANCY WORKS:

Photos of Consultancy Work



Aggregates Test



Cement Test



Bitumen Test



M Sand Test

Materials Testing:



Water and Waste Water Test



Mix Design



Steel Test



Cubes/Pavers/Blocks Test

Field Investigations :



Soil / SBC Test



Total Station Survey



BBD Test



Third Party Investigation



UPVT Test



Rebound Hammer Test

LIST OF FUNDING AGENCIES:

The department of Civil Engineering undertakes consultancy works both from Government and Non-Government organizations. About 50 of them are the regular clients. Few of them have shown in Table below :

Table: List of funding agencies

Sl. No.	Clients Address	Sl. No.	Clients Address
01.	AEE, KUWS & DB, Sub Division, Sagar, Shivamogga District. And Davangere District.	13.	Niketan Engineering & Projects Pvt. Ltd.,10th Main, Banashankari 1st stage,Bangalore.
02.	Food Corporation of India, District Office, Shivamogga.	14.	Manjunath K C,KSRTC Depot backside,Siddaroodhanagar, Bhadravathi.
03.	Executive Engineer, KNNL, UTP Division, Shivamogga	15.	HOD-WRD (Structures),E I Technologies Private Limited Bengaluru – 560041.
04.	AEE, Municipal Corporation, Shivamogga.	16.	The Managing Director,Shimoga, Davanagere and Chitradurga Dist. Co-Operative Milk Union Ltd., Machenahally, Shivamogga.
05.	Superintendent Engineer, KPTCL, Shivamogga.	17.	Office of the Senior Geologist,Department of Mines and Geology,Davanagare-577005.
06.	Operations Officer, Indian Oil Corporation Ltd, Indian Bottling Plant, Industrial Area, Machenahalli, Shivamogga.	18.	Bimal Buildcon Pvt Ltd Moodabidri.
07.	The India Cements Ltd.,2nd Floor, Snow Moon complex, L B S Nagara, Shivamogga.	19.	LIYA INFRATECH PVT. LTD. Unity Buildings, Mission Road Bengaluru.
08.	Assistant Divisional Engineer, South Western Railway, Arasikere, Chikmagaluru District.	20.	Sr. Section Engineer P Way, South Western Railway,Shivamogga Town,SMET - 577201.
09.	AEE, Panchayath Raj Engineering Sub Division, Sagar, Shivamogga District.	21.	M/s SRIDARHAL SHIVA KUMAR – HASSAN, Lakshimipuram Extn Near Ayyappaswamy templeSakaleshpur, Hassan – 573134Karnataka
10.	Roshini Projects,Mangalore Bharath Benz,Mulki.	22.	Padmashree Stone Crusher,Malleshwara, Malleshwara Village,Kadur (T), Chikmagaluru (D).
11.	Commissioner, City Corporation, Shivamogga.	23.	Chethan K. R.Coffee Planter,Kyandhalli Village and Post,Sakaleshpura : 573134.
12.	KSPHC Shimogadist, Chikkamagaloredist, Kadur Taluk,Thirthahalli Talluk	24.	Principal Conservation Architect,G N Heritage Matters,Koramagala, Bangalore 560047

AMOUNTANDDURATION :

The area of the consultancy and the revenue generated through the consultancy year wise is indicated in Table below :

Table: Amount and Duration

Sl. No	Year	Area of Consultancy	Revenue in Lakhs
1	2025-26	• Testing of building materials such as cement, steel, aggregates, bricks, concrete cubes and blocks. • Concrete Mix design for various infrastructure and building projects. • Proof checking for structural design of buildings and bridges. • Geotechnical investigations and foundation design for various buildings and infrastructure projects. • Design of Flexible and rigid pavements. • Testing of highway materials such as subgrade soil, aggregates, bitumen and cement. • Non Destructive Testing of buildings using Rebound Hammer and Ultra Pulse Velocity sensors for structural stability • Evaluation of the functional and structural condition of pavement using BBD test, Merlin and skid resistance pendulum test. • Water and wastewater quality analysis for various environmental samples. • Exploration of groundwater using resistivity tests. • Third party quality control inspection for buildings, bridges and layouts etc.	12.28
2	2024-25		18.73
3	2023-24		20.91
4	2022-23		31.84
5	2021-22		13.73
6	2020-21		11.16
7	2019-20		09.19
8	2018-19		27.91
9	2017-18		23.84
10	2016-17		14.85
11	2015-16		19.77

Average revenue generating from Civil Engineering Consultancy is around 15.00 lakhs per annum