

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
INDUSTRIAL CONSULTANCY CELL

Annual Report (2023-24)

1. Brief Report on INDUSTRIAL CONSULTANCY CELL

1.1 INTRODUCTION

A full-fledged Industrial Consultancy Cell has been in existence since 2004 to extend the consultancy services offered to various Government and Private Organizations. The cell aims at building up better Industry-Institute Interaction by expanding the consultancy network of the departments, providing a platform to train the undergraduate & postgraduate students to face the real field problems and transferring the technology from academicians to field personnel and vice versa. It has proposals to organize Seminars, Workshops and Training camps for practicing engineers to update their knowledge. Efforts are being made to provide Quick and Quality consultancy services as per standard norms and procedures.

The works also undertaken in this academic year are pertaining to the Roads & Buildings, Public Health Department, Irrigation Departments of Telangana State, Telangana State Generation Corporation Ltd., TRANSCO, and other various Government/Private Organizations like Bharath Petroleum Corporation Ltd., (BPCL), Madhucon Developers.

1.2 Consultancy Works Undertaken

- Soil Investigations for construction of Multi Storied constructions, Bridges, Road Over Bridges and Pavements
- Design of Concrete Mixes with admixtures.
- Design of Substructures and Superstructures for High Rise Structures, Bridges, Pavements, Earth & Water Retaining Structures
- Testing of Road Material for Highways and Express Ways
- Water Quality Analysis and environmental impact assessment studies
- Material Testing for all Civil Engineering works
- Design of various structures.
- Bridge load testing
- Non-destructive test of structures

1.3 Major Organizations Served

- T.S Transmission Corporation
- T.S Genco Limited
- Roads & Buildings Department
- Irrigation Department
- Panchayat Raj Department
- Public Health Engineering Department
- Indian Railways
- Singareni Collieries Company Limited
- Hindustan Construction Company Limited
- Bharat Petroleum Corporation Limited
- Kakatiya Urban Development Authority, Warangal

1.4 List of works carried out

The following are the details of works carried out through ICC

S.No.	Name of the Laboratory
A	SOIL MECHANICS LABORATORY
1.	Plasticity Index (liquid Limit and Plastic Limit)
2.	Atterberg Limits
3.	Sieve Analysis
4.	I.S. Compaction Test
5.	Permeability of Soil Sample
6.	S.B.C. (Safe Bearing Capacity)
7.	Hydrometer Analysis
8.	Consolidation Test
9.	Free Swell Test
10.	In-situ Dry Density
11.	Specific Gravity of Soil
12.	CBR Test (including Compaction Test)
13.	Standard Penetration Test
14.	Plate Load Test
15.	Granular Subbase mix design
16.	Field CBR Test @ each location
B	TRANSPORTATION ENGINEERING LAB
1.	Specific Gravity of Aggregate / Bitumen
2.	Aggregate Crushing Test
3.	Aggregate Impact Test
4.	Aggregate Shape Tests (including Sieve Analysis)
5.	Only Sieve Analysis
6.	Water absorption test
7.	Penetration Test for Bitumen
8.	Flash and Five Point Test for Bitumen
9.	Bitumen Softening Point
10.	Bitumen Ductility Test
11.	Bitumen Extraction Test

C.	MATERIAL TESTING LABORATORY
1.	Tension Test on Specimens (3 Samples)
2.	Mechanical Strength Test on Insulators (per Specimen)
3.	Hardness Test
4.	Shear Test on Metals
D.	ENVIRONMENTAL ENGINEERING LAB
1.	Water Testing for Construction purpose
2.	Water Testing for Drinking purpose
3.	Water Testing for Pollution Strength (BOD & COD)
4.	Any Single chemical parameter of water quality
E.	CONCRETE LABORATORY
1.	Consistency of Cement
2.	Initial or Final Setting Times of Cement
3.	Fineness of Cement
4.	Specific Gravity of Cement
5.	Soundness Test
6.	Compressive Strength of Cement Mortar Cubes – 6 Samples
7.	Compressive Strength of Cement Mortar Cubes – 3 days 3 Samples
8.	Compressive Strength of Cement Mortar Cubes – 7 days 3 Samples
9.	Compressive Strength of Moulded C.C. cubes (3 samples)
10.	Compressive Strength of C.C. Cubes (Moulding or Testing)
11.	Compressive / Tensile Strength of C.C. Cylinders (Moulded) (3 samples – Testing)
12.	Compressive Strength / Tensile Strength of C.C. Cylinders including casting (7 days 6 samples) (28 days 6 samples)
13.	Slump Test (Workability Test)
14.	Water Absorption of Piped/Bricks / Tiles (3 samples)
15.	Comp. Strength of Bricks / Tiles (3samples)
16.	Bulk Density of Aggregates (Coarse/Fine)
17.	Bulking of Sand
18.	Sieve Analysis
19.	Specific Gravity of Aggregate (Coarse/Fine)
20.	Concrete Mix Design
F.	ENGINEERING GEOLOGY LABORATORY
1.	Ground water exploration
2.	Foundation Depth Investigation
3.	Mineral Identification – each
4.	Feasibility survey for Industrial Mineral Deposits

2. Major MoU's (in force) :

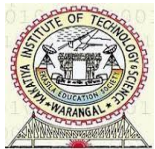
NIL

3. Major Organization served:

- T.S Transmission Corporation
- T.S Genco Limited
- Roads & Buildings Department
- Irrigation Department
- Panchayat Raj Department
- Public Health Engineering Department
- Singareni Collieries Company Limited
- Hindustan Construction Company Limited
- Bharat Petroleum Corporation Limited
- GVPR constructions
- Kakatiya Urban Development Authority, Warangal

4. Total consultancy activities for A.Y 2023-24: 169

5. Revenue generated form consultancy activities for A.Y 2023-24: Rs 16.76 lakhs



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Details of consultancy for the year 2023-24 (upto 29.02.2024) :

CW NO.	Details of Client/Firm	Test	Amount Received (Test+FV Charges)
GSTIN001	M/s Hind Engineering & Associates	CC CUBES	1240.00
GSTIN002	GWMC	Vetting	182700.00
GSTIN003	Challa Raghupathi Reddy	Vetting	18585.00
GSTIN004	Shri Venkata Ganesha Infra	CC CUBES	1240.00
GSTIN005	M/s M S Ready Mix Concrete	CC CUBES	9912.00
		Mix designs	126378.00
GSTIN006	L&T Constructions	CC CUBES	8921.00
GSTIN007	GSRK Prasad	SBC	7434.00
GSTIN008	M/s Sree Shakthi Infra	CC CUBES	1240.00
GSTIN009	M/s Sree Shakthi Infra	CC CUBES	1240.00
GSTIN010	Vibhum Constructions	CC CUBES	1240.00
GSTIN011	M/s Sree Shakthi Infra	CC CUBES	1240.00
GSTIN012	AG Constructions	Mix designs	37170.00
GSTIN013	Abhiram Infra Projects	Steel	29736.00
GSTIN014	A Convention	CC CUBES	2480.00
GSTIN015	L&T Constructions	GSB	13010.00
GSTIN016	Aditya Infra Projects	Vetting	12390.00
GSTIN017	Aditya Infra Projects	Vetting	24780.00
GSTIN018	Abhiram Infra Projects	SBC	22302.00
GSTIN019	Aditya Infra Projects	Vetting	44604.00
GSTIN020	Aditya Infra Projects	Mix designs	23541.00
GSTIN021	Aditya Infra Projects	Vetting	34692.00
GSTIN022	L&T Constructions	CBR	7929.00
GSTIN023	Abhiram Infra Projects	Steel	3717.00
GSTIN024	Sri Sai Steels	Steel	19824.00
GSTIN025	M/s A Convension	CC CUBES	1240.00
GSTIN026	N.Srikanth Rao	Core Cutting	95674.00
GSTIN027	KSR Constructions & Company	Vetting	30975.00
GSTIN028	Vesna Infra Structures Ltd.	Steel	19824.00
GSTIN029	Bollam Sampath Kumar	Steel	2478.00
GSTIN030	Aditya Infra Projects	Vetting	37170.00
GSTIN031	Vesna Infra Projects	Mix designs	19824.00
GSTIN032	SLR INFRA STRUCTURES PVT. LTD	STEEL	19824.00
GSTIN033	SIDDATHE CONSTRUCTIONS	STEEL	16107.00

GSTIN034	SIDDATHE CONSTRUCTIONS	Mix designs	12390.00
GSTIN035	Aditya Infra Projects	Vetting	37170.00
GSTIN036	DEC INFRASTRUCTURE & PROJECTS INDIA PVT. LTD	STEEL	16107.00
GSTIN037	L&T Constructions	SBC	3717.00
GSTIN038	L&T Constructions	SOIL PROPERTIES	2478.00
GSTIN039	Bollam Sampath Kumar	SBC	3717.00
GSTIN040	MANVEE CONSTRUCTIONS	Mix designs	19824.00
GSTIN041	Vesna Insfra	Water Test	2478.00
GSTIN042	G.S.R.K. PRASAD	SBC	7434.00
GSTIN043	VIBHAVA DHARANI LLP	SBC	18585.00
GSTIN044	KALYANI PROJECTS	CC CUBES	1240.00
GSTIN045	CUBES CONTRACTS ENGINEERING PVT. LTD	SBC	7434.00
GSTIN046	SLNS EARTH MOVERS & CONTRACTORS	BALLAST TEST	3717.00
GSTIN047	D.E.C INFRA STRUCTURE & PROJECTS INDIA PVT. LTD.	Mix designs & Steel	28497.00
GSTIN048	L&T Constructions	SOIL PROPERTIES	11151.00
GSTIN049	BALAJI ROBOSAND	AGGREGATES	4956.00
GSTIN050	VIKRAN ENGINEERING AND EXIM PVT.LTD	COMPATION & MDD	29736.00
GSTIN051	CUBES CONTRACTS ENGINEERING PVT. LTD	SBC	14868.00
GSTIN052	CUBES CONTRACTS ENGINEERING PVT. LTD	SOIL PROPERTIES	11151.00
GSTIN053	Aditya Infra	Vetting	34692.00
GSTIN054	ROKKERA ENGINEERING PVT. LTD	SBC	7434.00
GSTIN055	GODTEJ&BOYSE MANUFACTURING LTD	AGGREGATES	15635.00
GSTIN056	SHREE CONSTRUCTIONS	STEEL	24780.00
GSTIN057	AG CONSTRUCTIONS	STEEL	27878.00
GSTIN058	LOPAMUDRA PROJECTS	SBC	7434.00
GSTIN059	KPC PROJECTS	SBC	7434.00
GSTIN060	BHOOMI DEVELOPERS	SBC	7434.00
GSTIN061	Madhavi Contract works	Pressure Sensor test	2480.00
GSTIN062	Sowbhagya Constructions	Water Test	2480.00
GSTIN063	SRI RAJA RAJESHWARI READYMIX CONCRETE	ACT TEST	2478.00
GSTIN064	MANVEE CONSTRUCTIONS	Mix designs	19824.00
GSTIN065	LAKSHMI GRAPHICS	SBC	7434.00
GSTIN066	CUBES CONTRACTS ENGINEERING PVT. LTD	SBC	3717.00
GSTIN067	M/s D.E.C.INFRASTRUCTURE & PROJECTS	STEEL & Bricks	21063.00
2324001	M.Krishna Murthy	CC CUBES	1240.00
2324002	Md. Wajid- Ul - Hasan	SBC	9676.00
2324003	K.suman Raja	CC CUBES	1240.00
2324004	Muralidhar Reddy	CC CUBES	1240.00
2324005	Ambati Raj Kumar	SBC	3717.00
2324006	Ambati Raj Kumar	SBC	3717.00
2324007	Devanand Singh	CC CUBES	1240.00

2324008	SSk Developers	CC CUBES	4956.00
2324008	Mechanical	Tensile & Impact	1982.00
2324010	M/s Lenora IT Solutions	CC CUBES	1240.00
2324011	M/s Lenora IT Solutions	CC CUBES	1240.00
2324012	Ponnala Saranga Reddy	SBC	3717.00
2324013	Mukka Krishna Murthy	CC CUBES	1240.00
2324014	Kesa Dayanand	SBC	5959.00
2324015	M/s Lenora IT Solutions	CC CUBES	1240.00
2324016	K. Muralidhar Reddy	CC CUBES	1240.00
2324017	K.Satyanarayana	SBC	3717.00
2324018	Sri Durgeshwara Swamy Temple	SBC	7434.00
2324019	Srilaxmi Narsimha Residency	Water test	4956.00
2324020	Mukka Rajeshwaraih	CC CUBES	1240.00
2324021	Sri Devanand Singh	CC CUBES	1240.00
2324022	P. Surender Reddy & Padmaja	SBC	3717.00
2324023	K.Suman Raja	CC CUBES	1240.00
2324024	T.Linga Murthy	CC CUBES	1240.00
2324025	T.Linga Murthy	CC CUBES	1240.00
2324026	Mukka Rajeshwaraih	CC CUBES	1240.00
2324027	G.Kumar	CC CUBES	1240.00
2324028	Rafianunnise Begam	SBC	3717.00
2324029	T.Linga Murthy	CC CUBES	1240.00
2324030	Mukka Rajeshwaraih	CC CUBES	1240.00
2324031	Dr. Shashikanth	SBC	7434.00
2324032	Mukka Krishna Murthy	CC CUBES	1240.00
2324033	B. Nagaraju	Water test	2478.00
2324034	Shaik Abubakar	SBC	17110.00
2324036	P.Madhukar Reddy	SBC	7437.00
2324037	T.Kiran Kumar	Water test	2478.00
2324038	T.Linga Murthy	CC CUBES	1240.00
2324039	Devanand Singh	CC CUBES	1240.00
2324040	K.Suman Raja	CC CUBES	1240.00
2324041	P.Ragotham Reddy	SBC	7434.00
2324042	K.suman Raja	CC CUBES	1240.00
2324043	T.Linga Murthy	CC CUBES	1240.00
2324044	K.Muralidhar Reddy	CC CUBES	1240.00
2324045	E.Srinivas Rao	CC CUBES	1240.00
2324046	E.Srinivas Rao	Bricks	1240.00
2324047	E.Srinivas Rao	Bricks	2480.00
2324048	Skill Stork School	Water test	2480.00
2324049	E.Srinivas Rao	Bricks	1240.00
2324050	M.Krishna Murthy	CC CUBES	1240.00
2324051	Devanand Singh	CC CUBES	1240.00

2324052	CH NARENDER	SBC	7434.00
2324053	THE ASST. EXECUTIVE ENGINEER	SBC	7434.00
2324054	DR. E. SRINIVAS RAO	CC CUBES	2480.00
2324055	VIBHUM CONSTRUCTIONS	CC CUBES	1240.00
2324056	DR. E. SRINIVAS RAO	CC CUBES	1240.00
2324057	K.Suman Raja	CC CUBES	1240.00
2324058	B.SATYANARAYANA	SBC	3717.00
2324059	DR. E. SRINIVAS RAO	Bricks	1240.00
2324060	LENORA IT SOLUTIONS	CC CUBES	1240.00
2324061	MUKKA DEVELOPERS	CC CUBES	1240.00
2324062	T. LINGAMURTHY	CC CUBES	1240.00
2324063	N.DEVANAND SINGH	CC CUBES	1240.00
2324064	SURYA HOLDINGS	CC CUBES	1240.00
2324065	VIBHUM CONSTRUCTIONS	CC CUBES	1240.00
2324066	K. SWETHA	SBC	3717.00
2324067	K.Suman Raja	CC CUBES	1240.00
2324068	E.Srinivas Rao	CC CUBES	1240.00
2324069	VIBHUM CONSTRUCTIONS	CC CUBES	1240.00
2324070	M/s Mangala Seeds	SBC	18585.00
2324071	Vihan High School	Water test	2480.00
2324072	SRI BHADRAKALI DEVASTHANAM	SBC	22302.00
2324073	SRI SAMMAKKA SARALAMMA JATHARA	SBC	18585.00
2324074	VIBHUM CONSTRUCTIONS	CC CUBES	1240.00
2324075	SAMMAIAH ENGINEER	Bricks	2480.00
2324076	V.VIJENDER REDDY	SBC	3717.00
2324077	BANDARU MOHAN KUMAR	SBC	7434.00
2324078	T.LINGA MURTHY	CC CUBES	1240.00
2324079	K.Suman Raja	CC CUBES	1240.00
2324080	SURYA HOLDINGS	CC CUBES	1240.00
2324081	B.NARSING RAO	SBC	7434.00
2324082	V Vijender Reddy	Water test	2478.00
2324083	ZAI-UL-HASAN	SBC	3717.00
2324084	A CONVENTION	CC CUBES	2480.00
2324085	SRI NARENDER CHAVAN	CC CUBES	1240.00
2324086	SAI SPANDANA HIGH SCHOOL	CC CUBES	1240.00
2324087	THE SR. SUPERIOR	NDT	50858.00
2324088	NARENDER CHAVAN	CC CUBES	1240.00
2324089	K.Suman Raja	CC CUBES	1240.00
2324090	NARENDER CHAVAN	CC CUBES	1240.00
2324091	SURYA KUTEER	CC CUBES	1240.00
2324092	NARENDER CHAVAN	CC CUBES	1240.00
2324093	SRI SEETHARAMANJANEYA DEVALAYAM	SBC	7434.00
2324094	A CONVENTION	CC CUBES	1240.00

2324095	VIBHUM CONSTRUCTIONS	CC CUBES	1240.00
2324096	Mr. NARENDER CHAVAN	CC CUBES	1240.00
2324097	VIBHUM CONSTRUCTIONS	CC CUBES	1240.00
2324098	Mr. NARENDER CHAVAN	CC CUBES	1240.00
2324099	Mr. NARENDER CHAVAN	CC CUBES	1240.00
2324100	SURYA KUTEER	CC CUBES	1240.00
2324101	Dr. J. BALAJI	SBS	7434.00
2324102	LENORA IT SOLUTIONS	CC CUBES	1240.00
2324103	T.LINGAMURTHY	CC CUBES	1240.00

Dr. S. Sunil Pratap Reddy
Coordinator, ICC