



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

Annual Report (2022-23)

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 2022-23: 156

5. Revenue generated form consultancy activities for A.Y 2022-23: Rs 12,45,456/-

INDUSTRIAL CONSULTANCY CELL

Kakatiya Institute of Technology & Science, (Autonomous)
Opp: Yerraguntla Hillock, Vill: Bheemaram, Mdl: Hasanparthy,

Details of the consultancy works for the year 2022-23			
CW NO.	Details of Client/Firm	Test	Amount Received (Rs.)
GSTIN001	Bollam Sampath Kumar	Steel	4956.00
GSTIN002	M/s Mayuka Constructons	SBC	7434.00
GSTIN003	M/s Lopamudra Projects	SBC	7434.00
GSTIN004	Chandupatla Neeraja & Others	SBC	3717.00
GSTIN005	Bollam Sampath Kumar	CC CUBES	1240.00
GSTIN006	Sunil Multiplex Varangal	SBC	3850.00
GSTIN007	M/S AKSHARA TOWN SHIPS PVT. LTD	CC CUBES	1240.00
GSTIN008	Tsri. T. Madhava Rao	Material Properties	12390.00
GSTIN009	G.S.R.K.Prasad	Soil Properties	3717.00
GSTIN010	Laxmi Constructions	STEEL	7443.00
GSTIN011	B.S.K. Groups	CC CUBES	1240.00
GSTIN012	Hella Infra Marketing Pvt. Ltd	CC CUBES	1240.00
GSTIN013	M/S AKSHARA TOWN SHIPS PVT. LTD	CC CUBES	1240.00
GSTIN014	S-Square Constructions	SBC	7434.00
GSTIN015	M/s. Team Electricals	Bricks	6195.00
GSTIN016	M/s Vikran Engineering & exams	SBC	11151.00
GSTIN017	M/s Srihari Constructions	CC CUBES	3720.00
GSTIN018	Kasam Om Namashivaya Citizan Club	Steel	7434.00
GSTIN019	Aditya Infra Projects	Mix designs	21063.00
GSTIN020	Sri Venkata Ganesha Infra	SBC	7434.00
GSTIN021	M/s Vikran Engineering & exams	Material Properties	21063.00
GSTIN022	M/s. Sri Venkateshwara Constructions	SBC	7434.00
GSTIN023	M/s. Sri Venkateshwara Constructions	SBC	3717.00
GSTIN024	M/s. Srihari Constructions	CC CUBES	6195.00
GSTIN025	M/s Vikran Engineering & exams	CC CUBES	2480.00
GSTIN026	M/s. KPR Construction	Mix designs	79296.00
	M/s. KPR Construction	Mix designs	
	M/s. KPR Construction	SBC	
	M/s. KPR Construction	SBC	

	M/s. KPR Construction	SBC	
GSTIN027	Hind Engineers Associates	Pavor Blocks	2480.00
GSTIN028	L&T Constructions	Steel	3717.00
GSTIN029	Vesna Info Structure Limited	SBC	20827.00
GSTIN030	M/s Akshara Infra Developers	CC CUBES	1240.00
GSTIN031	M/s. Shree Constructions	SBC	14868.00
GSTIN032	Kasam Om Namashivaya Citizan Club	Water	1240.00
GSTIN033	M/s Aditya Infra Projects	Vetting	12390.00
GSTIN034	M/s Swapna Constructions	Mix designs	37170.00
GSTIN035	M/s Shri Venka Ganesha Infra	CC CUBES	4960.00
GSTIN036	Vesna Info Structure Limited	Mix designs	34692.00
		Steel	12390.00
GSTIN037	Vesna Info Structure Limited	SBC	18585.00
GSTIN038	Bollam Sampath Kumar	Steel	2478.00
GSTIN039	M/s Lenora IT Solutions	NDT	20827.00
GSTIN040	Kakatiya Urban Development Authority, Wgl	NDT	41412.00
GSTIN041	NSR Group	Mix designs	12390.00
GSTIN042	Hind Engineering & Associates	Water	2478.00
GSTIN043	Sri. Y. Shankar Rao (Works Contractor)	SBC	3717.00
GSTIN044	M/s Vikran Engineering & exams	Bricks	4956.00
GSTIN045	M/s. Mukka Developers	SBC	7434.00
GSTIN046	Vesna Info Structure Limited	SBC	10962.00
		Steel	3654.00
GSTIN048	M/s. Srihari Constructions	Material Properties	5576.00
GSTIN049	M/s. Neelam Industries	Torsion Tect	3717.00
GSTIN050	Sri. K. Venkata Narasimha Reddy	SBC	14868.00
GSTIN051	Aditya Infra Projects	Vetting	18585.00
GSTIN052	DCE Infrastructure Projects Pvt. Ltd.	Steel	7930.00
GSTIN053	Aditya Infra Projects	Vetting	43365.00
2223001	Dr. M. GopiChari	CC CUBES	1240.00
2223002	Asst. Engineer, Mission Bageeradha	NDT	18368.00
2223003	M/s. Aadya Infra	CC CUBES	1240.00
2223004	M/s A. r. Constructions	SBC	7434.00
2223005	Srinilayam Projects	NDT	14390.00
2223006	M/s/ Lenora IT Solutions	RMC Cubes	1240.00

2223007	M/S/ Swecha Constructions	SBC	3717.00
2223008	Sri. Bairi Ravi Krishna	CC CUBES	1240.00
2223009	M/s Lenora IT Solutions	CC CUBES	1240.00
2223010	Adelli Shiva Sharan Reddy	SBC, Water	6195.00
2223011	Sri Kakatiya High School	Water	1240.00
2223012	Sri. Manohar Rao	Designs	30586.00
2223013	Relince B P Materials Limited	Material Properties	11151.00
2223014	K.Damodara Chary	SBC	3717.00
2223016	Sri. S. Shyam Guptha	NDT	19087.00
2223017	M/s. Aadya Infra	CC CUBES	1240.00
2223018	Swecha Constructions	SBC	3717.00
2223019	Sri. Mudra Constructions	CC CUBES	1240.00
2223020	MB Infra Developers, Bayyaram	NDT	17632.00
2223021	Bathini Uma	SBC	3717.00
2223022	MB Grid Division	SBC	5575.50
			5575.50
2223023	MB Infra Developers, Dornakal	NDT	17632.00
2223024	Sri. G. Shireesh Reddy	SBC	7434.00
2223025	GSRK. Prasad	SBC	3717.00
2223026	Dr. E.. Srinivas Rao	SBC	3717.00
2223027	Lenora IT Solutions	CC CUBES	1240.00
2223028	Lenora IT Solutions	CC CUBES	3717.00
2223029	Skill Strome Internastional school	Water	1240.00
2223030	Sri. K. Srikanth	SBC	3717.00
2223031	Challapalli Vijaya Kumari	SBC	3717.00
2223032	M/s. Lenora Construction	CC CUBES	1240.00
2223033	Sri. P. Vijaya Kumar	Water	1240.00
2223034	Executive Engineer	Steel	6195.00
2223035	MB Infra	NDT	20827.00
2223036	Sri. Vishweshwara Swamy Temple , Jammikunta	SBC	7434.00
2223037	Sri. S. Amaralingeshwara Rao	SBC	3611.00
2223038	Sri. S. Amaralingeshwara Rao	SBC	3717.00
2223039	Prurna Chander Rao	Ballest	3717.00
2223040	Sri. Sai Balaji Developers	SBC	3717.00
2223041	M/s Lenora IT Solutions	CC CUBES	2480.00

2223042	SSK Developers	CC CUBES	1240.00
2223043	MB Infra sub division, dornakal	NDT	23088.00
2223044	B.Vaikuntam & B. Vedula	SBC	3717.00
2223045	K.Narayana Reddy	Vetting	18585.00
2223046	M/s Lenora IT Solutions	CC CUBES	1240.00
GSTIN047	Aditya Infra Projects	Vetting	32215.00
2223048	Sri. Ramalingeshwara Swamy Temple	SBC	3717.00
2223049	Sri. Venugopalaswamy Temple	SBC	3717.00
2223050	M/s. Lenora IT Solutions	CC CUBES	1240.00
2223051	M/s MVVS- PPR(JV)	Ballest	3717.00
2223052	Sri. K. Mallesahm, B.Tech	Vetting	30975.00
2223053	M/s. Lenora IT Solutions	CC CUBES	1240.00
2223054	Sri. P. Venkateswar Rao	SBC	7434.00
2223055	Sri. P. Prasad Rao	SBC	17110.00
2223056	Y.Rathnakar Reddy	SBC	9676.00
2223057	M/s. Aadya Infra	SBC	3717.00
2223058	Shiva Associates	Verticality Check	17641.00
2223059	M/s Shyamala Kakatiya	CC CUBES	1240.00
2223060	Sri. S. Amaralingeshwara Rao	Stone	3717.00
2223061	Sri. B. Manikya Rao	SBC	33453.00
2223062	Dr. Mukka Rajeshwaraiah	CC CUBES	1240.00
2223063	Ms. Pranaya, IAS Vice Chairman, KUDA	SBC	3717.00
2223064	Sri. R. Narayana Reddy & Sons	Ballest	3717.00
2223065	Sri. R. Narayana Reddy & Sons	Ballest	3717.00
2223066	M/s. Basanthi Construction	SBC	7434.00
2223067	Swecha Constructions	SBC	3717.00
2223068	M/s Surya Constructions	CC CUBES	1240.00
2223069	M.Krishna Murthy	CC CUBES	2480.00
2223070	Dr. E. Srinivasa Rao	SBC	7434.00
2223071	Shyam Guptha, MB Infra	Fitness	22125.00
2223072	M/s SSK Developers	CC CUBES	1240.00
2223073	M/s. Lenora IT Solutions	CC CUBES	1240.00
2223074	M/s. Lenora IT Solutions	CC CUBES	1240.00
2223075	Dr. Mukka Rajeshwaraiah	CC CUBES	1240.00
2223076	M.Krishna Murthy	CC CUBES	1240.00

2223077	Sri. M. Kamalakar	SBC	3717.00
2223078	M/s Lenora IT Solutions	CC CUBES	1240.00
2223079	M/s Lenora IT Solutions	CC CUBES	1240.00
2223080	N. Jithender Reddy	CC CUBES	1240.00
2223081	M/s Surya Kuteer	CC CUBES	1240.00
2223082	M.Suresh	SBC	7434.00
2223083	M/s Suvarchala Developers	SBC	3717.00
2223084	Md. Aphija Beg	CC CUBES	2480.00
2223085	M/s Lenora IT Solutions	CC CUBES	1240.00
2223086	Sri Rajith Sai	SBC	3717.00
2223087	Sujana Infratech	CC CUBES	1240.00
2223088	Dr. Mukka Rajeshwaraiah	CC CUBES	1240.00
2223089	M/s SSK Developers	CC CUBES	1240.00
2223090	M/s Lenora IT Solutions	CC CUBES	1240.00
2223091	K.Suman Raj	CC CUBES	1240.00
2223092	K.Sunil	NDT	7198.00
2223093	Dy. Executive Engineer, Manakondur	Steel	6195.00
2223094	Sri. K. Vamshi Krishna	CC CUBES	1240.00
2223095	Sri Geetha Parimalika Sahakara Sangam	Drawings	6195.00
2223096	K.Suman Raja	CC CUBES	2480.00
2223097	Ch. Keerthy Reddy	SBC	11151.00
2223098	M.Anna Reddy	Aggregates	1240.00
2223099	M/s. Lenora IT Solutions	CC CUBES	1240.00
2223100	S. Rama Krishna	SBC	3717.00
2223101	K.Suman Raja	CC CUBES	1240.00
2223102	Sujana Infratech	CC CUBES	1240.00
22230103	Executive Engineer, Mission Bhagiratha	Fitness	15399.00
Total Amount received (Rs.)			1245456.00


Dr.S. Sunil Pratap Reddy
Coordinator

Co-ordinator
Industrial Consultancy Cell
Kakatiya Institute of Technology & Science
WARANGAL-506 015.