

## Consultancy Projects

The Institute has expertise in various research areas to provide knowledge and intellectual inputs which are of interest to the industry and other organizations.

Following guidelines will be used for engaging in any consultancy job

1. A consultancy project work is one where faculty and research staff provides knowledge and intellectual inputs to industry or other organizations, primarily for their purposes.
2. The requirement originates from the industry/other organizations concerned or faculty can approach industry/other organizations. The faculty is expected to estimate the time and cost required to accomplish the task.
3. Proposal is then prepared by the faculty.

Department of Civil Engineering is involved consultancy projects in various domain of civil engineering by utilizing departmental faculties and students .



PRINCIPAL  
SHRIDEVI INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
TUMKUR - 572106.

Sri Shridevi Charitable Trust (R.)

# SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD:2002



## DEPARTMENT OF CIVIL ENGINEERING CONSULTANCY WORKS

The department of Civil engineering is doing consultancy work since from 2016-17 academic year by utilizing the services of all the teaching and non teaching staff members along with final year and pre final year Civil engineering students of our department. The department is having state-of-art equipments in Concrete and Highway Engineering laboratory, Geotechnical Engineering laboratory, Strength of Material testing laboratory and environmental engineering laboratory. The consultancy works carrying out in the department are. Soil testing for SBC, Materials testing and 3<sup>rd</sup> party inspection works. Material testing involves Cement concrete cube testing in CTM, Cement, sand and course aggregates testing.

During June 2018 month as per the directions of Tumakuru District Commissioner agreements are executed between Shridevi Institute of Engineering and Technology Tumakuru and urban local bodies such as Madhugiri Purasabhe and Pavagada purasabhe authorising our Shridevi Institute of Engineering and Technology to work as 3<sup>rd</sup> Party inspection agency to inspect and submit the report regarding the work status and its quality. The Institute also executed agreement with Nirmithikendra Tumakuru, Public Works Department (PWD), Panchayat Raj Engineering.

Our Civil Engineering Department in the Institute is doing the 3<sup>rd</sup> party inspection works and material testing works by involving our students and staff. Students are doing soil testing works, material testing and cube testing in the laboratories. Students are visiting construction sites and helping our faculty to write the reports. This moulds our students to learn beyond curriculum and made them to fit to industry.

All the staff members and students are getting financial benefit for their involvement in the consultancy work. The consultancy amount received by the Institute from various government Implementing agencies and private agencies is distributed as per the management guidelines. Our management is keeping 40% of consultancy amount and remaining 60 % is given for the staff and students. The stake holders of 60 % are Principal, Office staff, Civil department staff members and students of final year and pre final year. 4% of consultancy amount is distributed to students based on their work involvement. Students are very happy in doing the consultancy works as they are earning while learning.

(Dr. G. Mahesh Kumar)

HOD

Department of Civil Engineering

**HOD**  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.

PRINCIPAL  
SIET., TUMAKURU.

**DEPARTMENT OF CIVIL ENGINEERING**

**Consultancy Work (2018-19)**

Sl no	Name of the work	No. of Works	Funding Agency	Amount	Faculties	Students
1	Cement Concrete Mix design work for solar power plant Madhugiri Taluk	2	.Ganges International Private Limited, Delhi	18,000/-	Dr. G MaheshKumar, Dr. C Nagaraja Mr. Manogna H N Ms. Supriya C B Ms. Bhavya C H Mr. Prakash J Mr. Vinuthana  Mr. Ravisha C V Mr. Ramesh Mr. Ravi Mr. Girish	All Final Year and Pre Final Year Students
2	Soil testing for SBC of residential buiding District Krushi Bhavan, Tumkur	3	Gowramma, TUDA Layout, Tumkur	36,000/-		
3	Soil testing for SBC of Shadi Mahal buiding In Jamia Masjid Premises, Madhiugiri  Soil testing for SBC of CHC Building, Hosur, Gowribidanur Taluk	2	Tumkur Nirmithi Kendra  MCB Infrastructure	24,000/-		
4	3 <sup>rd</sup> Party inspection (First grade College building in Kunigal Town)	1	Tumkur Nirmithi Kendra	62,560/-		
5	3 <sup>rd</sup> Party inspection (Premetric Boy's BCM hostel buiding, Nidasale, Kunigal Talik) Maruthi Samudaya Bhavana, Gottikere, Kunigal Taluk	2	Tumkur Nirmithi Kendra	1,03,528/-		
6	3 <sup>rd</sup> Party inspection (Yadava Building, Jamia Masjid Building, Anganwadi Building and Samudaya Bhavana in Madhugiri and Pavagada Taluk)	6	Tumkur Nirmithi Kendra	94,247/-		



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7	3 <sup>rd</sup> Party inspection (Naxal Grant BCM Boys hostel Pavagada and Samudaya Bhavana Pavagada Kannada Bhavana Madhugiri MLA grant Samudhaya Bhavana Madhugiri)	4	Tumkur Nirmithi Kendra	83,020/-		
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**Total amount generated for the college: Rs. 4, 21,355/-**

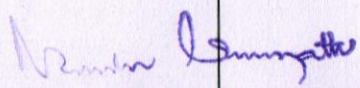
(Dr. G Mahesh Kumar)

**HOD  
HOD**

**Dept. of Civil Engineering  
SIET, TUMKUR - 6.**

**PRINCIPAL  
SIET., TUMAKURU.**

**DEPARTMENT OF CIVIL ENGINEERING**  
**Consultancy Work (2019-20)**

Sl no	Name of the work	No. of Works	Funding Agency	Amount	Faculties	Students
1	<p>Soil testing for SBC of Anganavadi building @ Padasala Hatti Madhugiri Talik, Govt. PU college Building Pavagada</p> <p>Urdu School Building Gulchi Circle Tumkur</p> <p>Valmiki Bhavana, Nidagal Pavagada</p> <p>Anganvadi Building, Neergal Govt PU college Madhugiri</p> <p>Municipal Commissioner Quartos Tumkur</p> <p>Urdu HPS Turuvekere</p> <p>Valmiki Hostel Pavagada</p> <p>City Library Tumkur</p> <p>Commercial Complex Koratgere</p> <p>Mekka Masjid Samudhya Bhavana Madhugiri</p> <p>Gram Panchayat Building, Kavanabala Madhugiri Taluk,</p> <p>Moulala Azad Minority Urdr Model School Pavagada,</p> <p>Bulls form Shed-2</p> <p>Kunikenahalli Turuvekere,</p> <p>Shopping Complex Yadiyur, Kunigal Taluk</p>	19	Tumkur Nirmithi Kendra	1,19,000	<p>Dr. G MaheshKumar,</p> <p>Dr. C Nagaraja</p> <p>Mr. Manogna H N</p> <p>Ms. Bhavya C H</p> <p>Mr. Prakash J</p> <p>Mr. Vinuthana</p> <p>Mr. Ravisha C V</p> <p>Mr. Ravi</p> <p>Mr. Nagaraju H N</p>	All Final Year and Pre Final Year Students
2	<p>3<sup>rd</sup> Party inspection (Reddy jana Sanga Building Madhugiri, Shivananda High School</p>	7	Tumkur Nirmithi Kendra	1,89,839	 PRINCIPAL SIRA, TUMAKURU.	



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	Bijawara Madhugiri, Muslim Shadi Mahal Building Madhugiri.)					
3	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and Pavagada Taluk Road works and drain in Madhugiri Taluk)	4	Tumkur Nirmithi Kendra  PWD Madhugiri	2,19,145		
4	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and Pavagada Taluk)	5	Tumkur Nirmithi Kendra	1,06,492		

**Total amount generated for the college: Rs. 6,34,476 /-**

(Dr. G Mahesh Kumar)

HOD

Dept. of Civil Engineering  
SIET, TUMKUR - 6.

PRINCIPAL  
SIET, TUMAKURU.


**DEPARTMENT OF CIVIL ENGINEERING**  
**Consultancy Work (2020-21)**

Sl no	Name of the work	No. of Works	Funding Agency	Amount	Faculties	Students
1	Material Testing, Concrete cube testing of Buidings	20	Tumkur Nirmithi Kendra RMN Infrastructure Star Infratech Civil Contractors	69,100	Dr. G MaheshKumar, Dr. C Nagaraja Mr. Manogna H N Mr. Prakash J Mr. Vinuthana  Mr. Ravisha C V Mr. Ravi Mr. Nagaraju H N	All Final Year and Pre Final Year Students
2	Material Testing, Concrete cube testing of Buidings	10	Siddhartha Civil Works Pvt. Ltd. RMN infrastructure Ltd. TMC pavagada Tumkur Nirmithi Kendra	24,500		
3	Soil Testing for SBC of Samudaya Bhavana, Anganvadi Buildings Madhugiri and Pavagada Taluk	7	Tumkur Nirmithi Kendra	28,000		
4	Drains, Roads, Buildings and Borewell drillings, Madhugiri	16	Town Municipal Council (TMC), Madhugiri	99,209		
5	Soil Testing for SBC of Samudaya Bhavana, Anganvadi Buildings Madhugiri and Pavagada Taluk	11	RMN infrastructure Ltd. TMC Madhugiri Tumkur Nirmithi Kendra Madhu Kumar Contactor	85,400		
6	3 <sup>rd</sup> Party inspection (Anganavadi building @ Padasala Hatti Madhugiri Talik, Govt. PU college Building Pavagada Urdu School Building Gulchi Circle Tumkur Valmiki Bhavana, Nidagal Pavagada Anganvadi Building, Neergal Govt PU college Madhugiri Municipal Commissioner	33	Tumkur Nirmithi Kendra	4,53,434		

*(Signature)*  
PRINCIPAL  
T. TUMAKURU.

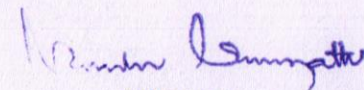
	Quartos Tumkur Urdu HPS Turuvekere Valmiki Hostel Pavagada City Library Tumkur Commercial Complex Koratgere Mekka Masjid Samudhya Bhavana Madhugiri Gram Panchayat Building, Kavanabala Madhugiri Taluk, Moulala Azad Minority Urdr Model School Pavagada, Bulls form Shed-2 Kunikenahalli Turuvekere, Shopping Complex Yadiyur, Kunigal Taluk)				Dr. G MaheshKumar, Dr. C Nagaraja Mr. Manogna H N Mr. Prakash J Mr. Vinuthana	All Final Year and Pre Final Year Students
7	Drains, Roads, Buildings and Borewell drillings Pavgada	26	Town Municipal Council (TMC), Pavagada	2,64,940	Mr. Ravisha C V Mr. Ravi Mr. Nagaraju H N	
8	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and PavagadaTaluk)	8	Tumkur Nirmithi Kendra	1,86,992		
9	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and PavagadaTaluk)	8	Tumkur Nirmithi Kendra	1,52,241		
10	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and PavagadaTaluk)	10	Tumkur Nirmithi Kendra	3,25,926		

**Total amount generated for the college: Rs. 16, 89,742/-**

  
(Dr. G Mahesh Kumar)

**HOD**

Dept. of Civil Engineering  
SIET, TUMKUR - 6.

  
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**DEPARTMENT OF CIVIL ENGINEERING**  
**Consultancy Work (2021-22)**

Sl no	Name of the work	No. of Works	Funding Agency	Amount	Faculties	Students
1	Cement Concrete Cube test and Material Test for buildings	4	Star Infratech Civil Contractors	11,500	Dr. G MaheshKumar, Dr. C Nagaraja Mr. Manogna H N Mr. Prakash J Mr. Vinuthan V R Ms. Vani Shree Ms. Niranjani B Mrs. Radhika T N  Mr. Ravisha C V Mr. Satish H S Mr. Nagaraju H N	All Final Year and Pre Final Year Students
2	Concrete Mix Design, Cube test, Material Test for buildings, Design of GSB and WMM for road works	8	Tumkur Nirmithi Kendra USK construction Company PWD Madhugiri	46,500		
3	Concrete Mix Design, Cube test, Material Test for buildings, Design of GSB and WMM for road works	12	Tumkur Nirmithi Kendra USK construction Company KSRP Korategre RMN infracture H&FW Enginnering Sub division Tumkur	61,000		
4	Soil testing for SBC of Buildings	5	Tumkur Nirmithi Kendra PRE Sub division Gowribidanuru Arun Engineering Projects Pvt. Ltd.	24,000		
5	Soil testing for SBC of Buildings	4	Tumkur Nirmithi Kendra	16,000		

*(Signature)*  
PRINCIPAL  
CET, TUMAKURU.

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6	Soil testing for SBC of Buildings	2	TUDA Tumkur	14,000		
7	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and Pavagada Taluk)	4	Tumkur Nirmithi Kendra	41,737		
8	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and Pavagada Taluk)	27	Tumkur Nirmithi Kendra	2,05,978		
9	3 <sup>rd</sup> Party inspection (Samudaya Bhavana, Anganvadi Buildings Madhugiri and Pavagada Taluk)	6	Tumkur Nirmithi Kendra	31,318		

**Total amount generated for the college: Rs. 4,52,033/-****(Dr. G Mahesh Kumar)****HOD****HOD**Dept. of Civil Engineering  
SIET, TUMKUR - 6.PRINCIPAL  
SIET, TUMAKURU.

2017-18 (M)



# GANGES INTERNATIONALE PVT. LIMITED

B-36, LAWRENCE ROAD INDUSTRIAL AREA, DELHI-110035  
PHONE : (011) 47090225, 47090229 Fax : +91-11-47451135  
E-mail : info@gangesintl.com  
CIN No. : U74899TN1991PTC082714

TO  
The principal,  
SIET,  
TUMAKURU.

Respected Sir,  
we are requesting you to do the cube test  
for the following cubes. m-25. Grade Con

### Block-1

Casting date

18-7-17  
19-7-17  
20-7-17

28 days curing

16-8-17  
17-8-17  
18-8-17

### Block-2

Casting date

22-7-17  
23-7-17  
24-7-17

28 days curing

20-8-17  
21-8-17  
22-8-17

Received Report  
\$ fee Receipt  
Date 22/08/17  
MD. ABUL GABAS  
9873751685

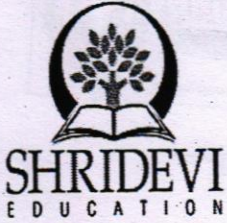
- to sum 2

Pay Rs 5000/- to A/c or  
Canara Bank  
05/9/17

*Nimish Kumar*  
PRINCIPAL  
SIET., TUMAKURU.

Regards.

*P. Hari Krishna*  
[ P Hari Krishna  
Project Manager  
GITPL. ]



SHRIDEVI INSTITUTE OF ENGINEERING AND  
TECHNOLOGY, TUMKUR-06

DEPARTMENT OF CIVIL ENGINEERING



Ref: SIET/CV/Con. Cube test/2016-17/02

Date: 06.09.2017

To

M/s Ganges International Pvt., Ltd.  
B-36, Lawrence Road Industrial Area  
Delhi-110035

Sir,

**Sub:** Concrete cube test report  
**Ref:** Your letter no. nil dated 05.09.2017

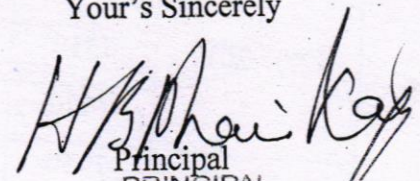
Please find enclosed concrete cube test report of concrete grade M-25 for Solar Power Plant, Sira Taluk, Tumkur district. The tests were carried out in our laboratory for the cubes supplied by your agency.

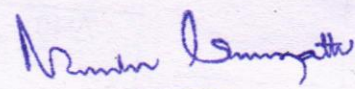
Kindly acknowledge for the reports received.

Thanking you,

**Encl:** Concrete cube test report.

Your's Sincerely

  
Principal  
PRINCIPAL  
SHRIDEVI INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
TUMKUR - 572106.

  
PRINCIPAL  
SIET, TUMAKURU.

06.09.2017

CONCRETE CUBE TEST REPORT

**28<sup>th</sup> Day compressive strength of concrete cubes of grade M-25**

**Introduction:** M/s Ganges Internationale Pvt., Ltd., Delhi has written a letter to Principal, SIET, Tumkur and supplied M-25 grade concrete cubes (18 No's) for finding its compressive strength in the laboratory by conducting compression test. Accordingly the test was conducted and results are furnished below.

**Client:** M/s Ganges Internationale Pvt., Ltd., Delhi  
B-36, LAWRENCE ROAD INDUSTRIAL AREA  
DELHI- 110035

**Reference:** Your letter no. nil dated 05.09.2017

**Work:** Solar Power Plant, Sira Taluk, Tumkur district.

**Grade of Concrete:** M25 (As per client information in the letter)

**Date of testing:** 05.09.2017

**Area of the concrete cube:** 225cm<sup>2</sup>

**Block-2**

Date of Casting (As per client letter)	Weight (grams)	Density (gm/cc)	Breaking Load (kN)	Compressive strength (MPa)	Average Compressive strength (28 <sup>th</sup> day) (MPa)
22.07.2017	7550	2.24	663.4	29.48	29.37
	7510	2.23	660.2	29.34	
	7470	2.21	658.7	29.28	
23.07.2017	7950	2.36	682.2	30.32	29.94
	7615	2.26	668.3	29.70	
	7720	2.29	670.4	29.80	
24.07.2017	7260	2.15	648.9	28.84	29.49
	7465	2.21	659.8	29.32	
	7940	2.35	682.0	30.31	

*Nandu Sanyal*  
PRINCIPAL  
SIET., TUMAKURU.

1/2

**Block-1**

Date of casting (As per client letter)	Weight (grams)	Density (gm/cc)	Breaking Load (kN)	Compressive strength (MPa)	Average Compressive strength (28 <sup>th</sup> day) (MPa)
18.07.2017	7935	2.35	680.5	30.24	30.10
	7900	2.34	676.2	30.05	
	7900	2.34	675.5	30.02	
19.07.2017	7780	2.31	671.0	29.82	30.30
	8040	2.38	699.3	31.08	
	7870	2.33	674.9	30.00	
20.07.2017	7960	2.36	682.2	30.32	30.35
	7980	2.36	684.6	30.43	
	7905	2.34	681.5	30.29	

Tested by:

*Supriya C.B*  
 (Mrs. Supriya )  
 Asst. Professor  
 SIET, Tumkur-06

*G. Mahesh Kumar*  
 Consultancy Co-ordinator  
 (Dr. G. Mahesh Kumar)  
 Professor, Civil Engg.  
 SIET, Tumkur-06

*M.A.*  
 (Dr. M.A. Nagesh)  
 HOD, Civil Engg.  
 SIET, Tumkur-06  
 S.I.E.T. TUMKUR 06

*Principal*  
 PRINCIPAL  
 SIET., TUMAKURU.



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Ref. No. SIET/CV/ST/2021-22/41

03/03/2022

To  
The Assistant Executive Engineer,  
VJNL, UBP, Sub Division No.16,  
Sanikere camp. Challakere.

Sir,

**Sub:** Steel test report regarding,

**Ref:** Sa Ka Eng. /VJNL/Bha. May. You/Upa Vibhaaga-16/Sanikere –  
Dated on 02/03/2022

Please find enclosed the test report of Steel used for the work of “Construction of Check dam and Feeder canal for Nala at Sy No 68/7 in Gollanakunte village in Pavagada Taluk, Tumkuru district (Pavagada constituency) (SDP 2021-22) (Indent No. 1993)”. The tests were carried out in our laboratory for the materials supplied by your agency.

Kindly acknowledge for the reports received.

Thanking you,

**Encl:** Steel Test Report

Yours

*[Signature]*  
Principal

PRINCIPAL  
SHRIDEVI INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
TUMKUR - 572106.

3/3/22

**DEPARTMENT OF CIVIL ENGINEERING**

03/03/2022

**STEEL TEST REPORT**

**Reference** : Sa Ka Eng. /VJNL/Bha. May. You/Upa Vibhaaga-16/Sanikere –  
Dated on 02/03/2022.

**Name of Work:** “Construction of Check dam and Feeder canal for Nala at Sy No 68/7 in  
Gollanakunte village in Pavagada Taluk, Tumkuru district (Pavagada  
constituency) (SDP 2021-22) (Indent No. 1993)”.

**Client** : **The Assistant Executive Engineer, VJNL, UBP, Sub Division No.16,**  
Sanikere camp. Challakere.

**INTRODUCTION:**

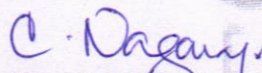
With reference to the above work, the client has requested for the testing of material used for the project and the material are steel bars of Diameter 10mm. Sample of materials are drawn and supplied to our laboratory by the client. Following are the details of test results:

**TABLE-1**  
TENSILE TEST ON STEEL (TMT bars)

Diameter (mm)	Wt./m (Kg)	Ultimate stress (N/mm <sup>2</sup> )	Percent Elongation
10	0.652	561.80	19.50


**Note:** Minimum Ultimate Stress as per IS: 1786-1985 (Reaffirmed 2000) is 485N/mm<sup>2</sup>

**Tested by:**

  
(Dr. C Nagaraja)  
Professor  
SIET, Tumkur

  
(Dr. G. Mahesh Kumar)  
HOD, Civil Engg.  
SIET, Tumkur

**HOD**  
Dept. of Civil Engineering  
SIET, TUMKUR - .

  
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SIET, TUMKURU.



**SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY**

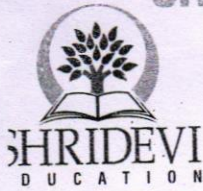
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e-mail :info@shrideviengineering.org , principal@shrideviengineering.org Website: www. shrideviengineering.org

date: 10.06.2020

Ref: SIET/Civil/Soil test report/Nirmi/6-1

To  
Project Manager & Member Secretary  
Tumkur Nirmithi Kendra  
Hirehalli Industrial Area  
Singanahalli Colony  
Tumkur-572168

Sir,

Sub: Soil Test Report reg.,

Ref: Your letter no. TNK/Pram./ SriDeTaMaVi/Tuma/Soil test/2020-21  
dated 02-06-2020

I am here with enclosing the soil test report of the soil investigation conducted for the Safe Bearing Capacity (SBC) of soil in the site proposed for the construction of building titled Construction of Additional Rooms for Pre-Metric Girls Hostel for BCM Girls in Madhugiri taluk by Backward class Welfare Department, Tumkur district.

Kindly acknowledge for the report.

Thanking you,

Encl: Soil test report.

Yours

*Principal*  
Principal  
SHRIDEVI INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
TUMKUR - 572106.

*Principal*  
PRINCIPAL  
SIET., TUMAKURU

o/c  
Received

*29/06/20*  
*9739397083*



## DEPARTMENT OF CIVIL ENGINEERING

Ref: SIET/Civil/Soil test report/Nirmi/6-1

date: 10.06.2020

### SOIL TEST REPORT

Soil Investigation Report for the Safe Bearing Capacity (SBC) of Soil in the Site Proposed for the Construction of Additional Rooms for Pre-Metric Girls Hostel for BCM Girls in Madhugiri taluk by Backward class Welfare Department, Tumkur district.

**Project :** Construction of Additional rooms for Pre-Metric Girls Hostel for BCM Girls in Madhugiri taluk

**Client :** Project Manager & Member Secretary, Nirmithi Kendra, Tumkur

**Subject:** Soil investigation for Safe Bearing Capacity (SBC).

### INTRODUCTION :

The Project Manager & Member Secretary, Nirmithi Kendra, Tumkur has taken up a project titled construction of Additional rooms for Pre-Metric Girls Hostel for BCM Girls in Madhugiri taluk, Tumkur district. In this context the Project Manager & Member Secretary, Nirmithi Kendra, Tumkur has written a letter to the principal, SIET, Tumkur vide letter no. Your letter no. TNK/Pram./ SriDeTaMaVi/Tuma/Soil test/2020-21 dated 02-06-2020 seeking soil investigation for its Safe Bearing Capacity (SBC) in the proposed site. Accordingly, necessary site investigation and laboratory tests were conducted. The results and recommendations are furnished below.

**Site Information:** As per the physical inspection, the site is on level ground. All the foundation Pits were already excavated at 1.5m depth. Four Soil samples were collected from the four pits in proposed construction site through cores and samplers were procured by the client and supplied to our laboratory for testing. Each pit was having dimension of 1.5m length, 1.5m breadth and 1.5m depth. Soil samples were collected by driving cores and samplers in each pit. Physical observation of sample shows that the sub soil consists of brownish red color soil. The soil samples were collected in the cores by driving in the pits at depth of 1.5m with little effort. Hence the soil was in medium dense state. Representative and undisturbed soil samples were supplied by the client to our laboratory for conducting Direct Shear Test. Disturbed samples were collected at specified depth for conducting tests like Grain size analysis, Field Moisture Content and Soil Classification.

**Laboratory Investigation:** Tests were conducted as per Indian Standard code (IS:2720(Part 2)-1973); (IS: 2720(Part 4)-1985); (IS: 2720 (Part 29)-1975-1995); (IS: 1498-1970)-1992; IS: 2720 (Part 13)-1986-1992) and specification for carryout Moisture content, Grain size analysis, In-situ density, Soil classification and Direct Shear Test. Shear test was conducted on soil sample by maintaining in situ density for the determination of shear parameters cohesion (C) and angle of shearing resistance ( $\phi$ ). Safe Bearing Capacity (SBC) is calculated as per the IS code: 6403-1981.

Construction of Additional rooms for Pre-Metric Girls Hostel for BCM Girls in Madhugiri taluk

1/2

PRINCIPAL  
SIET, TUMAKURU.

2021-22 (T)

Sri Shridevi Charitable Trust (R.)

ESTD: 2002



# SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

Ref: SIET/CV/3<sup>rd</sup> Pty In Charges/1

Date: 22/02/2022

To  
**The Chief Officer**  
 Town Municipal Council  
 Madhugiri

Sir,

**Subject:** 3<sup>rd</sup> party inspection charges- reg..**Ref :** 1. Your office letter no.:03/15 th Finance Basic Grant 2021-22 dated 17/02/2022

2. As per agreement letter dated 15.06.2018 between SIET, Tumkur and TMC, Madhugiri

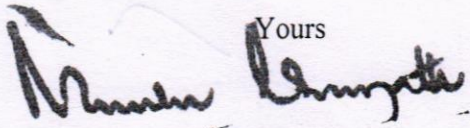
With reference to above subject please arrange to send **Rs. 3,052/- (Rupees Four Three Thousand and Fifty Two only)** 3<sup>rd</sup> party inspection charges for the work mentioned below and providing the report by our Civil engineering faculty. The details are mentioned in the table below. The amount may be send through Cheque / DD in favour of **Shridevi Institute of Engineering and Technology, Tumkur.**

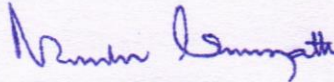
Name of work	Estimation cost (Rs.)	Total Inspection Amount (Rs)
Package No.3 a) CC road work in ward no.6 b) CC road work in ward no.8 c) CC road work in ward no.13 d)CC road work in ward no.15 DMA/2021-22/RD/Work Indent 123978	4,36,000	3,052/- [0.7% of Est. Cost]
	<b>Amount (Rs.)</b>	<b>3,052/-</b>

(Rupees Three Thousand and Fifty Two only)

Thanking you,

*Received*  
*2003*

Yours  
  
**Principal**  
 SIET, Tumkur  
**PRINCIPAL**  
 SHRIDEVI INSTITUTE OF  
 ENGINEERING & TECHNOLOGY  
 TUMKUR - 572106.

  
**PRINCIPAL**  
 SIET., TUMAKURU

Ref: SIET/CV/3<sup>rd</sup> Party Report /01

Date: 22.02.2022

To  
**The Chief Officer**  
Town Municipal Council  
Madhugiri

Sir,

**Subject** : 3<sup>rd</sup> party inspection report- reg..

**Reference:** Your office letter no.:03/15 th Finance Basic Grant 2021-22  
dated 17/02/2022

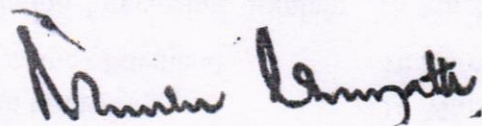
Please find enclosed third party inspection report for the work 'Package No.3 a) CC road work in ward no.6 b) CC road work in ward no.8 c) CC road work in ward no.13 d) CC road work in ward no.15 DMA/2021-22/RD/Work\_Indent 123978 ' mentioned in the reference letter. Inspection was conducted and report submitted by our civil / Electrical engineering department faculties.

Please acknowledge for the report.

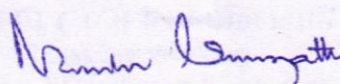
Thank you,

**Encl:** Third Party Inspection Report-1no.

Yours



Principal  
SIET, Tumkur  
SHRIDEVI INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
TUMKUR - 572106.



PRINCIPAL  
SIET., TUMAKURU



*Received  
2003*

## DEPARTMENT OF CIVIL ENGINEERING

Ref: SIET/CV/3<sup>rd</sup> Party Report /01

Date: 22.02.2022

### THIRD PARTY INSPECTION REPORT

1	Name of Implementing Agency	<b>Chief Officer, TMC, Madhugiri</b>
2	Name and Place of Work	Package No.3 a) CC road work in ward no.6 b) CC road work in ward no.8 c) CC road work in ward no.13 d) CC road work in ward no.15 DMA/2021-22/RD/Work Indent 123978
3	Administrative Approval No.	19 09/11/2021
4	Estimated Cost Rs.	4,36,000/-
5	Date of Entrustment	25/01/2022
6	Name & Designation of the Dept. Engineer	Sri. Muralidhar, Junior Engineer, TMC
7	Name of contractor & Address	Raghavendra s/o Marawirangappa, K R Extension, Madhugiri
8	Time Duration	3 Months
9	Date of Issue of Work Order	25/01/2022
10	Date of Handing over the Site	26/01/2022
11	Actual Date of Start	27/01/2022
12	Probable Date of Completion	--
13	Schedule of Work	As per schedule
14	Materials Testing	--
15	Status of work (% of Completion of work)	100%
16	Bill Amount Paid till Date	nil
17	Measures to keep the project as on schedule	Site Inspection
18	Name of Third Party Inspection Engineer	Dr. G. Mahesh kumar, Mr. Manogna HN
19	Status of work (% of Completion of work)	100%
20	Photograph of the work inspected	Enclosed
21	Quality of the work (Suggestions / Rectification)	<b>Works Satisfactory</b>

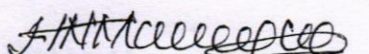
Note: Sl.No.1 to17 data as give by implementing agency.

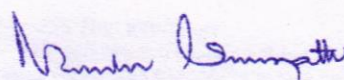
### INSPECTION REPORT:

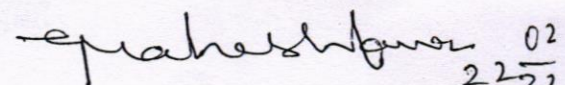
Above mentioned work physically inspected by us on 19/02/2022 and found that the works already completed in all respect as per specification. The work is CC road work in Ward no. 06,08,13 and 15. Major works found completed are:

Details of Work	Impression
Earthwork excavation for levelling lowering for concrete road work. Construction of embankment with approved gravel/murum material. Laying dry lean cement concrete 1:5:10 of 25mm down size aggregates compacting to approved density at OMC for road work. Laying PCC M30grade for un reinforced road. All the works as per approved estimate, specification & instructions of engineer in charge	Work Satisfactory

**Works Satisfactory.**

  
 Signature of Third Party  
 Engineer Inspected

  
 PRINCIPAL  
 SIET, TUMAKURU

  
 HOD  
 Dept. of Civil Engineering

Sri Shridevi Charitable Trust (R.)

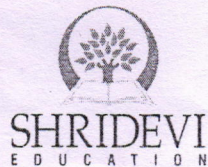
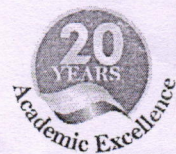
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## DEPARTMENT OF CIVIL ENGINEERING

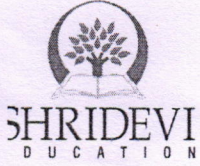
### CONSULTANCY WORKS

#### Financial Year 2022-23

The department of Civil engineering is doing consultancy work since from 2016-17 academic year by utilizing the services of all the teaching and non teaching staff members along with final year and pre final year Civil engineering students. The department is having state-of-art equipments in Concrete and Highway Engineering laboratory, Geotechnical Engineering laboratory, Strength of Material testing laboratory and environmental engineering laboratory. The consultancy works carrying out in the department are Soil testing for SBC, Materials testing and 3<sup>rd</sup> party inspection works. Material testing involves Cement concrete cube testing in CTM, Cement, sand and course aggregates testing.

During June 2018 month as per the directions of Tumakuru District Commissioner agreements are executed between Shridevi Institute of Engineering and Technology Tumakuru and urban local bodies such as Madhugiri Purasabhe and Pavagada purasabhe authorising our Shridevi Institute of Engineering and Technology to work as 3<sup>rd</sup> Party inspection agency to inspect and submit the report regarding the work status and its quality. The Institute also executed agreement with Nirmithikendra Tumakuru, Public Works Department (PWD), Panchayat Raj Engineering.

Our Civil Engineering Department in the Institute is doing the 3<sup>rd</sup> party inspection works and material testing works by involving our students and staff. Students are doing soil testing works, material testing and cube testing in the laboratories. Students are visiting construction sites and helping our faculty to write the reports. This activities moulds our students to learn beyond curriculum and made them to fit to industry. All the staff members and students are getting financial benefit for their involvement in the consultancy work. The consultancy amount received by the Institute from various Government implementing agencies and private agencies is distributed as per the management guidelines. Our management is keeping 40% of consultancy amount and remaining 60 % is given for the staff and students. The stake holders of 60 % are Principal, Office staff, Civil department staff members and students of final year and pre final year. 4% of consultancy amount is distributed to students based on their work involvement. Students are very happy in doing the consultancy works as they are earning while learning.



Sri Shridevi Charitable Trust (R.)

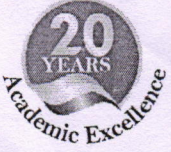
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## DEPARTMENT OF CIVIL ENGINEERING

TITLE OF CONSULTANCY PROJECTS	FUNDING AGENCIES	REVENUE GENERATED AMOUNT Rs. ( LAKHS)
Material Testing (Cement, Aggregates, Concrete Cubes, Concrete Mix design), Soil Tesing (SBC, Soil Classification, Compaction Properties) 3rd Party Inspection of works	Tumkur Nirmithi Kendra Town Municipal Council Madhugiri Town Municipal Council Pavagada Public Works Department(PWD) Panchayat Raj Engineering Dept.(PRE) Madhugiri and Pavagada Karnataka Rural Infrastructure Development Limited	12.02

**Dr. G. Mahesh Kumar**

Professor & Head

Department of Civil Engineering

**HOD**

Dept. of Civil Engineering

SIET, TUMKUR - 6.