



**McCARTHY**

• Builders • Designers

Date: 01.09.2018

To

The Principal,  
Indra Ganesan College of Engineering,  
Manikandam,  
Trichy- 620 012

Dear Sir/Madam,

Subject: Enquiry Regarding consultancy work brochure - Testing of Reinforcement

We are proposing the new method of couplers for lapping the reinforcement in our own site. Kindly do the testing of 32 mm diameter reinforcement of 3 nos. along with couplers. Kindly do the needful.

**For McCARTHY**

**D.AUGUSTUS MANIMARAN**

**Engineer**

**Dr. G. Balakrishnan, M.E., Ph.D**

Principal

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

No.6, 111 Floor, Near Vasan Medicals, 15-A, Colony Main Road, Thillainagar, Trichy-18.  
Ph : 0:0431-2768187 R: 2770101 Cell : 98424 70101, 98428 70106 Fax: 0431-2768187

E-mail : mccarthy.builders@gmail.com



07.09.2018

Trichy

To

McCARTHY Builders & Designers  
N0.6, III Floor, Near Vasan Medicals  
15-A, Colony Main Road, Thillainagar  
Trichy-18

Respected Sir,

**Sub:** Submission of consultancy work quotation- Reg.

Greetings from Indra Ganesan College of Engineering!!!

We thank you for considering our consultancy work brochure and we received your requirements about Testing of Reinforcement. In this connection, we would like to inform you that the consultancy charges for the following test is furnished here.


S.NO	TYPE OF TEST	CHARGES (IN Rs.)	UNIT
1	Testing of Reinforcement	3000	1
	<b>TOTAL</b>	<b>3000</b>	-

We request you to kindly consider the above proposed consultancy charges and we are eagerly awaiting for your kind sanction of the consultancy work.

  
PROJECT INVESTIGATOR



  
Dr. S. BHARATHI RAJA  
PRINCIPAL

  
Dr. G. Balakrishnan, M.E., F.I.E  
Principal

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

Madurai Main Road,  
NH-45B, Manikandam  
Tiruchirapalli – 620 012  
Tamil Nadu, South India

Mobile : 85086 88845  
Phone : 0431 2906565  
Web : www.igceng.in  
igceprincipal@gmail.com



McCARTHY

• Builders • Designers

Date: 19.09.2018

To

The Principal,  
Indra Ganesan College of Engineering,  
Manikandam,  
Trichy-620 012

Dear Sir/ Madam,

**Subject: Sanctioned Amount – Testing of Reinforcement.**

We wish to bring to your kind notice that our company hereby has sanctioned an amount of **Rs.3000/-**, out of the quoted budget for the testing of Testing of Reinforcement.

Based on our terms and conditions, the work order and payment will be sanctioned. Please proceed your work further progress, as early as possible.

**For McCARTHY**

**D.AUGUSTUS MANIMARAN**

**Engineer**

**Dr. G. Balakrishnan, M.E., Ph.D.,**

Principal

Indra Ganesan College of Engineering

IG Vailey, Madurai Main Road

Manikandam, Trichy-620 012.



# **Indra Ganesan**

**COLLEGE OF ENGINEERING**  
Madurai Main Road (NH-45B), Manikandam, Tiruchirapalli- 620 012  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

## **CONSULTANCY PROJECT ENDOWMENT REPORT**

### **TESTING OF REINFORCEMENT**

**SUBMITTED  
TO**

**McCARTHY Builders & Designers  
No.6, III Floor, Near Vasam Medicals  
15-A, Colony Main Road, Thillainagar  
Trichy-18**

**Delivery Date: 26.09.2018**

**Dr. G. Balakrishnan, M.E., Ph.D.**

**Principal**

**Indra Ganesan College of Engineering**

**IG Valley, Madurai Main Road**

**Manikandam, Trichy-620 012.**

## CONSULTANCY REPORT

Date of Casting: 19.09.2018

Date of Testing: 26.09.2018

Test conducted : Testing of Reinforcement (with couplers)


Diameter of Reinforcement: 32 mm Diameter

Number of Samples: 3 Nos.

Sl.No	Diameter of steel	Length in cm	As per test Mass per Meter Run (kg/m)	As per IS 1786-2008 Mass per Meter Run (kg/m)
1	32	150.00	6.314	6.320

Specimen No.	Diameter of steel	Yield Load KN	Yield stress *N/mm <sup>2</sup>	Ultimate Load KN	Ultimate stress ** N/mm <sup>2</sup>	% of elongation
1	32	357.30	444.21	532.80	662.40	28.95
2	32	351.25	425.52	519.50	642.51	25.74
3	32	357.15	442.63	530.40	658.62	24.61

  
TEST CONDUCTED

  
Dr. G. Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.

  
Dr.S.BHARATHIRAJA  
PRINCIPAL



26.09.2018


Trichy

**UTILIZATION CERTIFICATE**

Certified that an amount of **Rs 3000/- (Three Thousand Only)** sanctioned during the year **2018-2019** in favor of civil engineering received from **McCARTHY Builders & Designers** has been utilized for the recommended project consultancy work titled **"Testing of Reinforcement"**. The purpose for which it was sanctioned has been duly fulfilled and delivered as per the conditions of the grant.

  
PROJECT INVESTIGATOR



  
Dr. S. BHARATHI RAJA  
PRINCIPAL

  
Dr. G. Balakrishnan, M.E., Ph.D  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-620 012.