



02.04.2019

To

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

Dear Sir/Madam,

Subject: Enquiry Regarding consultancy work brochure - Aggregate Test for Bitumen

Thank you for sharing the Consultancy Work Brochure of Indra Ganesan College of Engineering. We are particularly interested in your expertise in the Aggregate Test for Bitumen and would like to enquire further about this service. Kindly provide information on the cost structure for the Aggregate Test for Bitumen as per norms.



X Leo Prasanth B.Arch.,
Principal Architect
Mindseye Architects, Trichy.
CA/2015/67196

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
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mindseyearchitects@gmail.com

197/23, 2nd floor, Waheed complex,
Ponnagar, Trichy - 620001



11.04.2019

To

MINDSEYE ARCHITECTS
197/23, 2nd Floor, Waheed Complex,
Ponnanagar, Trichy, 620001

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 Aggregate Test for Bitumen. 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. PER UNIT	UNIT
1	Aggregate Test for Bitumen	1800	1

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

Thanking you

PROJECT INVESTIGATOR

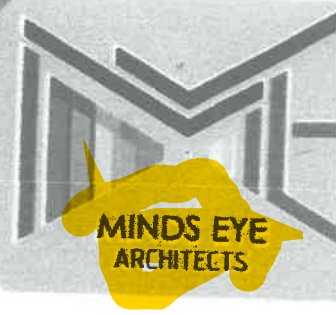


Dr. S. BHARATHI RAJA
PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
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24.04.2019

To

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

Dear Sir/Madam,

Subject: Sanctioned Amount- Aggregate Test for Bitumen.

I hope this letter finds your well. I am writing in response to the cost estimation provided from your end for the Aggregate Test for Bitumen.

After careful consideration of the cost estimation, I am informing you that we have sanctioned the budget for the Aggregate Test for Bitumen, as per the proposed amount **Rs.1800**. We believe that the services offered by your college will meet our requirements and provide valuable insights for our upcoming project.

Please proceed with the necessary arrangements to initiate the Aggregate Test for Bitumen. If you require any further information or clarification, feel free to contact us.



X Leo Prasanth B.Arch.,
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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 TEST REPORT

AGGREGATE TEST FOR BITUMEN

SUBMITTED

TO

MINDSEYE ARCHITECTS

197/23, 2nd Floor, Waheed Complex

Ponnagar

Trichy-620001

Delivery Date: 30.04.2019

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

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

CONSULTANCY TEST REPORT

Date of Casting: 24.04.2019

Date of Testing: 30.04.2019

Test conducted : Aggregate Test for Bitumen

Content	Value	Obtained value
Absolute viscosity at 60°C, cP**	2400-3600	2755
Kinematic viscosity at 135°C, cSt***	≥350	490
Penetration at 25°C, 0.1mm	50-70	63
Softening point (Ring and Ball), °C	≥47	52
Solubility in trichloroethylene, %	≥ 99	99.8
Flashpoint (Cleveland open cup), °C	≥ 220	280
Test on RTFO residue		
Viscosity ratio at 60 °C	≤4	2.7
Ductility at 25 °C, cm	≥ 40	62
Equivalent superpave classification	PG 64-16	

TEST CONDUCTED



PRINCIPAL

Dr.S.BHARATHIRAJA



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



30.04.2019

Trichy

UTILIZATION CERTIFICATE

Certified that an amount of **Rs 15000/- (Fifteen Thousand Only)** sanctioned during the year **2018-2019** in favor of civil engineering received from **MINDSEYE ARCHITECTS** has been utilized for the project consultancy work titled "**Aggregate Test for Bitumen**". 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


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Principal

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