



M.KUMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (NBA Accredited)

Dr.D.Pradeep, Assistant Professor

Date: 21 September, 2022

To

The Manager,
RAMC Clean Energy Private Limited,
Thalavapalayam,
Karur.

Dear Sir/Madam,

Sub: Requisition for Consultancy Project – Reg.

We, Department of Computer Science and Engineering from M.Kumarasamy College of Engineering, which is a reputed Institution in Karur since 2000. We own Research and Development Cell in our Department. In accordance with a clear vision of our R&D Cell, we are providing cost effective software solutions to small and medium sized organizations. We are well equipped to endow with the prerequisite of an enterprise via software solution that would probably extend our clear-headed assistance in the area of Online Banking, Hospital Management, Textiles, Automobiles, Retail and Website Design etc. We hope that we would be receiving some sort of appealing ventures from your end.

Thanking you

Yours Truly

Dr.D.Pradeep, AP-CSE

Contact number: 9841707467

HOD-CSE

RAMC CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 30/09/2022

To

Dr.D.Pradeep,
Department of Computer Science and Engineering,
M.Kumarasamy College of Engineering,
Karur – 639113.

Dear Sir,

We are very much excited to quest for the project proposal from your high end for “Data Acquisition and Control Software” purpose. We are looking forward for a feasible proposal for our requisition. We extend our trust towards you in teams of acquiring an encouraging price quote.

Thank you

Yours

A handwritten signature in black ink, appearing to read 'Vandhana'.

Mrs.S.Vandhana,
Manager



M.KUMARASAMY

COLLEGE OF ENGINEERING

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(NBA Accredited)

Dr.D.Pradeep, Assistant Professor

Date: 03 October, 2022

To

The Manager,
RAMC Clean Energy Private Limited,
Thalavapalayam,
Karur.

Dear Sir/Madam,

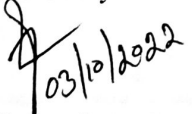
Sub: Placing quotation for Consultancy Project – Reg.

As per the prerequisite sent by you in accord with quotation, the Data Acquisition and Control Software proposal is been sent for your kind perusal. We consider this opportunity to develop a software project that completely fulfills your need. In regard to this commitment, please feel free to contact us. We are ready to serve you with a persisting readiness.


Sl.No	Description	Rate of the Project
1	Software Phase I: (Data Acquisition)	Rs.70000/-
2	Software Phase II: (Data Control)	Rs.20000/-
3	Deployment Charges	Rs. 8000/-
Total		Rs: 98,000/-

Thank you

Yours Truly


Dr.D.Pradeep

Contact number: 9841707467


HOD-CSE

RAMC
CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 09/10/2022

To

Dr.D.Pradeep,
Department of Computer Science and Engineering,
M.Kumarasamy College of Engineering,
Karur – 639113.

Dear Sir,

We have received your quotation regarding our needs. Hence, we are here to accept the proposal and grow longer in our business contract for Data Acquisition and Control Software.

Thank you

Yours


Mrs.S.Vandhana,
Manager

RAMC
CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 09/03/2023

To

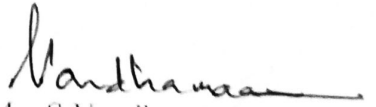
Dr.D.Pradeep,
Department of Computer Science and Engineering,
M.Kumarasamy College of Engineering,
Karur – 639113.

Dear Sir,

I am here to convey my token of thanks in accordance with the project being delivered for Data Acquisition and Control Software. This project is very much supportive and it is up to very need of our constraint. Here by I would assure that I will put up my recommendation for others regarding your promising work for sure.

Thank you

Yours


Mrs.S.Vandhana,
Manager

M.KUMARASAMY COLLEGE OF ENGINEERING

Joint Holder :- -

79 MAIN ROAD THALAVAPALAYAM

POST

NEAR POULTRY FARM

KARUR

TAMIL NADU-INDIA

639113

Customer ID :123021270

IFSC Code :UTIB0000123

MICR Code :639211002

Nominee Registered :

Registered Mobile No :XXXXXX6377

Registered Email ID:

PAN :AAATM9584D

Scheme :PLATINUM TRUST ACCOUNT

Statement of Axis Account No :917010060789192 for the period (From : 29-03-2023 To : 29-03-2023)

Tran Date	Chq No	Particulars	Debit	Credit	Balance	Init. Br
		OPENING BALANCE			10105706.19	
29-03-2023		By Clg 134100 015 Karur		40000.00	10145706.19	2568
29-03-2023		TRF/RAMAKRISHNA POULTRY PRIVATE LIMITED/TRANSFER		61000.00	10206706.19	123
29-03-2023		Razorpay Software Pvt Ltd Fund		56250.00	10262956.19	1506
29-03-2023		TRF/RAMAKRISHNA POULTRY FARM/TRANSFER		78500.00	10341456.19	123
29-03-2023		M.KUMARASAMY COLLEGE OF ENGINEERING Existing Stude		23301.00	10364757.19	274
29-03-2023		TRF/KR INC/TRANSFER		70000.00	10434757.19	123
29-03-2023		TRF/KR INC/TRANSFER		28000.00	10462757.19	123
29-03-2023		CMS 123MKCO9192/CASH /		289235.00	10751992.19	123
		TRANSACTION TOTAL	.00	646286.00		
		CLOSING BALANCE			10751992.19	

Unless the constituent notifies the bank immediately of any discrepancy found by him/her in this statement of Account, it will be taken that he/she has found the account correct.

The closing balance as shown/displayed includes not only the credit balance and / or overdraft limit, but also funds which are under clearing. It excludes the amount marked as lien, if any. Hence the closing balance displayed may not be the effective available balance. For any further clarifications, please contact the Branch.

We would like to reiterate that, as a policy, Axis Bank does not ask you to part with/disclose/revalidate of your iConnect passord,login id and debit card number through emails OR phone call Further,we would like to reiterate that Axis Bank shall not be liable for any losses arising from you sharing/disclosing of your login id, password and debit card number to anyone. Please co-operate by forwarding all such suspicious/spam emails, if received by you, to customer.service@axisbank.com

With effect from 1st August 2016, the replacement charges for Debit card and ATM card applicable on Current accounts have been revised. To know more about the applicable charges,please visit www.axisbank.com

Deposit Insurance and Credit Guarantee Corporation (DICGC) insurance cover is applicable in all Banks' deposits, such as savings, current, fixed, recurring etc* up to maximum amount of Rs 5 Lakh including principal & interest both* (* or exceptions and details please refer www.dicgc.org.in)

In compliance with regulatory guidelines, the non-CTS cheque books attached to the accounts would be destroyed in banks core banking System. Thus, Non CTS cheques will not be valid for CASH, Clearing and Transfer transactions

REGISTERED OFFICE - AXIS BANK LTD,TRISHUL,Opp. Samartheswar Temple, Near Law Garden, Ellisbridge, Ahmedabad . 380006.This is a system generated output and requires no signature.

BRANCH ADDRESS - AXIS BANK LTD, KARUR [TN], NO 5 ,DINDIGUL ROAD, KARUR, , 639002, KARUR, TAMIL NADU, INDIA, TEL:04324-239512 FAX:239671

Legends :

ICONN - Transaction trough Internet Banking



New Account

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

24012023
D D M M Y Y Y Y

Pay M. KUMARASAMY COLLEGE OF ENGINEERING

को या उनके आदेश पर or Order

रुपये Rupees SEVENTY THOUSAND ONLY

अदा करें

₹ 70,000/-

A/c.No.

920020058211000

CABCA 123460

For KR INC

[Signature]

Partner(s)/Authorised Signatory
Please sign above

Payable at par at all branches of Axis Bank Ltd in India.

⑈584954⑈ 639211002⑈ 123460⑈ 29



KARUR (TN), KARUR, 639002
IFS CODE - UTIB0000123

New Account

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

1 0 0 3 2 0 2 3
D D M M Y Y Y Y

Pay M.KUMARASAMY COLLEGE OF ENGINEERING

को या उनके आदेश पर or Order

रुपये Rupees TWENTY EIGHT THOUSAND ONLY

अदा करें

₹ 28,000/-

A/c.No.

920020058211000

For KR INC

CABCA 123460

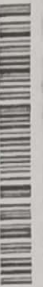
[Handwritten Signature]

Partner(s)/Authorised Signatory
Please sign above

Payable at par at all branches of Axis Bank Ltd in India.

⑈ 584955⑈ 639211002⑈ 123460⑈ 29

Majapal Technologies Limited - Chennai / CTS-2010 / 16/12/2020





M.KUMARASAMY

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

KR

Date: 01.08.2022

From

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

To

The Manager,
RAMC Clean Energy Pvt. Ltd.,
127, Main Road,
Thalavapalayam,
Karur TN 639113

Dear Sir,

Sub: Requesting – Collaborative activity – Reg.

M.Kumarasamy College of Engineering has earned a remarkable position in the field of technical education. The department of Electrical and Electronics Engineering has given technical solutions to many industries through our consultancy work. I have completed my Ph.D in Electrical Drives area and currently three scholars are pursuing Ph.D under my supervision. I am very much interested to do collaborative activity with your company. So I would like to know your interest in this regard.

Thank You

Yours truly,



J. Uma
11/08/22
(Dr. J. Uma)

RAMC CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 04.08.2022

To

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

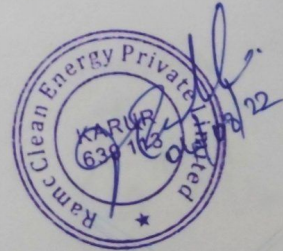
Dear Madam,

Sub: Requisition for consultancy work – Reg.

We highly appreciate your interest towards doing consultancy work for our company. As RAMC Clean Energy Pvt. Ltd owns Solar Plant, it faces problem in cleaning the solar panel. If you are really interested to give solution for this, visit our site located at Viralimali with your team and give your proposal.

Thank you

Yours truly,





M.KUMARASAMY

NAAC Accredited Autonomous Institution

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

KR

Date: 10.08.2022

From

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

To

The Manager,
RAMC Clean Energy Pvt. Ltd.,
127, Main Road,
Thalavapalayam,
Karur TN 639113

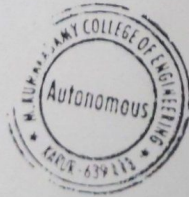
Dear Sir,

Sub: Requisition – acknowledgement - for consultancy work – Reg .

We have analysed the problem in cleaning solar panel installed in your site and we are ready to provide solution for that problem. We have planned to develop "Photovoltaic Panel Cleaning Robot" for maintenance of PV panel surface. With reference to your previous communication we have enclosed the cost estimation list of four number of cleaning system. We are estimated INR.2,84,000 towards the cost of the project for purchasing major components. Kindly, give the acknowledgement to take the further steps.

Thank You

Yours truly,



J Uma
(Dr. J. Uma)

RAMC
CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 13.08.2022

To

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

Dear Madam,

Ref : Your letter dated on 10.08.2022

After reviewing your estimation, we would like to inform you that we have accepted all your requirements for doing the "Photovoltaic Panel Cleaning Robot" project and the amount will be released on the basis of work completion.

We kindly request you to complete the work as early as possible.

Thank you

Yours truly,



RAMC
CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 07.02.2023

To

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

Dear Madam,

Sub: Part of the consultancy amount transferred – Reg
Ref : Your letter dated on 10.08.2022

With reference to your letter dated on 10.08.2022, we would like to inform that, the partial consultancy amount INR. 72,000 was transferred to proceed Photovoltaic Panel Cleaning Robot project.

We kindly request you to complete the work as early as possible.

Thank you

Yours truly,





M.KUMARASAMY

KR

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ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

Date: 09.02.2023

From

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

To

The Manager,
RAMC Clean Energy Pvt. Ltd.,
127, Main Road,
Thalavapalayam,
Karur TN 639113

Dear Sir,

Sub: Amount received - INR 72,000 for consultancy work – Reg

We have received the part of consultancy amount INR 72,000 from your organization dated on 07.02.2023. Kindly send the remaining amount INR 2,12,000 as soon as possible to complete the project successfully.

Thank You

Yours truly,



J. Uma
9/2/23
(J. Uma)

RAMC
CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 14.02.2023

To

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

Dear Madam,

Sub: Second installment - consultancy amount – Reg
Ref : Your letter dated on 09.02.2023

With reference to your letter dated on 09.02.2023, we would like to inform that, the second installment consultancy amount INR. 88,000 was released to proceed Photovoltaic Panel Cleaning Robot project. The remaining amount will be sent by next month.

We kindly request you to complete the work as early as possible.

Thank you

Yours truly,



RAMC
CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 18.03.2023

To

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

Dear Madam,

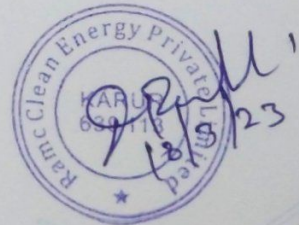
Sub: Consultancy amount – Reg
Ref : Your letter dated on 09.02.2023

With reference to your letter dated on 09.02.2023, we would like to inform that, the remaining consultancy amount INR. 1,24,000 was released to proceed Photovoltaic Panel Cleaning Robot project.

We kindly request you to complete the work as early as possible.

Thank you

Yours truly,





M.KUMARASAMY

NAAC Accredited Autonomous Institution

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

KR

Date: 23.03.2023

From

Dr.J.Uma,
Professor / EEE,
M.Kumarasamy College of Engineering,
Karur.

To

The Manager,
RAMC Clean Energy Pvt. Ltd.,
127, Main Road,
Thalavapalayam,
Karur TN 639113

Dear Sir,

We have received the remaining consultancy amount INR. 2,12,000 from your organization and we have completed the installation work at your site and verified the performance. Hope our project met your needs and kindly provide the work completion certificate. Looking forward to work with your company near future.

Thank you

Yours truly,



J.Uma
23/3/23
(J-Uma)

RAMC

CLEAN ENERGY PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM PO.,
KARUR. 639 113. TAMILNADU.
CIN : U40108TN2021PTC148576



Date: 30.03.2023

To

The HOD
Department of Electrical and Electronics Engineering,
M.Kumarasamy College of Engineering,
Karur – 639 113.

Dear Madam,

Sub: Consultancy Project Completion Report – Reg.

We pleased to inform you that the consultancy work is completed and executed in our site with full satisfaction. We are much satisfied with your work and we would like to extend our thanks to your team for giving full co-operation to meet our industry needs.

Thank you

Yours truly,





M.KUMARASAMY COLLEGE OF ENGINEERING

Joint Holder :-

79 MAIN ROAD THALAVAPALAYAM

POST

NEAR POULTRY FARM

KARUR

TAMIL NADU-INDIA

639113

Customer ID :123021270

IFSC Code :UTIB0000123

MICR Code :639211002

Nominee Registered :

Registered Mobile No :XXXXXX6377

Registered Email ID:

PAN :AAATM9584D

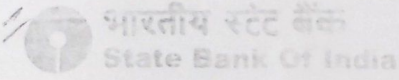
Scheme :PLATINUM TRUST ACCOUNT

Statement of Axis Account No :917010060789192 for the period (From : 30-03-2023 To : 30-03-2023)

Tran Date	Chq No	Particulars	Debit	Credit	Balance	Init. Br
		OPENING BALANCE			10751992.19	
30-03-2023		MIGS ONLINE REFUND MKMLENMIGS16 DT 29-MAR-23	1678.57		10750313.62	100
30-03-2023		By Clg 793360 002 Karur		53000.00	10803313.62	2568
30-03-2023		By Clg 793361 002 Karur		65000.00	10868313.62	2568
30-03-2023		By Clg 963260 002 Karur		110000.00	10978313.62	2568
30-03-2023		By Clg 605354 002 Karur		57000.00	11035313.62	2568
30-03-2023	423677	TRF/123/M KUMARASAMY HEALTH /	10300000.00		735313.62	123
30-03-2023		By Clg 605353 002 Karur		70000.00	805313.62	2568
30-03-2023		By Clg 944290 002 Karur		72000.00	877313.62	2568
30-03-2023		By Clg 944291 002 Karur		88000.00	965313.62	2568
30-03-2023		By Clg 944292 002 Karur		124000.00	1089313.62	2568
30-03-2023		By Clg 963262 002 Karur		142000.00	1231313.62	2568
30-03-2023		By Clg 793362 002 Karur		67000.00	1298313.62	2568
30-03-2023		By Clg 963261 002 Karur		94500.00	1392813.62	2568
30-03-2023		By Clg 605352 002 Karur		65000.00	1457813.62	2568
30-03-2023		SAK/CASH DEP/SAK337724096/123/SELF		316775.00	1774588.62	123
30-03-2023		CMS 123MKCO9192/CASH /		1633720.00	3408308.62	123
		TRANSACTION TOTAL	10301678.57	2957995.00		
		CLOSING BALANCE			3408308.62	

Unless the constituent notifies the bank immediately of any discrepancy found by him/her in this statement of Account, it will be taken that he/she has found the account correct.

The closing balance as shown/displayed includes not only the credit balance and / or overdraft limit, but also funds which are under clearing. It excludes the amount marked as lien, if any. Hence the closing balance displayed may not be the effective available balance. For any further clarifications, please contact the Branch.



(07771)-SIRUTHOZHIL BRANCH, KARUR
 9 D 3 RAMAKRISHNAPURAM
 KARUR, KARUR 639001
 Tel : 4324 230134 Fax : IFS Code : SBIN007771 SWIFT :

14022023
 D U M Y Y Y Y

M. KUMARASAMY COLLEGE OF ENGINEERING

को या उनके आदेश पर OR ORDER

RUPEES EIGHTY EIGHT THOUSAND ONLY

अदा करें

₹ 88,000/-

बि. नं. A/c No. 40660799115

VALID UP TO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

CURRENT A/C
 PREFIX :
 0523600001

5199706604

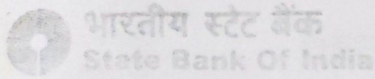
Z. Luvini

RAMC CLEAN ENERGY PRIVATE LIMITED

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

⑈944291⑈ 639002003⑈ 000937⑈ 29



(07771) SIRUTHOZHIL BRANCH, KARUR
 9 D 3 RAMAKRISHNAPURAM
 KARUR, KARUR 639001
 Tel : 4324 230134 Fax : IFS Code : SBIN0007771 SWIFT :

18032023
 D D M M Y Y Y Y

M. KUMARASAMY COLLEGE OF ENGINEERING

को या उनके आदेश पर OR ORDER

RUPEES ONE LAKH TWENTY FOUR THOUSAND ONLY — X —
 असा करें ₹ 1,24,000/-

च. No. 40660799115

VALID UP TO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

CURRENT A/C
 PREFIX :
 0523600001

51199706604

(Handwritten Signature)

RAMC CLEAN ENERGY PRIVATE LIMITED

ULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

⑈944292⑈ 639002003⑈ 000937⑈ 29



M.KUMARASAMY
COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution

Thalavapalayam, Karur - 639 113.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CONSULTANCY REPORT

Name of Faculty : Dr.J.Uma, Professor/EEE
M.Kumarasamy College of
Engineering, Karur.

Title of the consultancy project : Photovoltaic Panel Cleaning Robot

Name of the Industry : RAMC Clean Energy Pvt. Ltd.,

Revenue Generated : Rs. 2,84,000

Duration : Eight Months



Photovoltaic Panel Cleaning Robot

Abstract

Developing the Solar Panel Cleaning Robots can be used to work instead human especially. For past few years, many countries have installed their own solar power plant, and researchers have been working on improving solar panel efficiency, maximum energy extraction from the sun, control, and power electronics. The conversion of solar energy into electrical energy via solar panels. Extraction of maximum energy level from the sun reduces installation costs and makes it easier to meet the demanded peak electrical power. Physical conditions such as snow, muddy rain and dusting reduce the efficiency of the solar panel. It results the reduced electrical power production level which can be technically produced with clean solar panel surface. Therefore, regular cleaning of solar panels as well as the maximum power point tracking devices improves the overall efficiency of solar panel. However, this project aims to design and develop the Solar Panel Cleaning Robots by studying Solar Panel Cleaning Robots movement which work suitable for Industrial and solar power plant, Wireless Joystick, Sensors, Gear Motor and ARDUINO microcontroller. The robot will clean a solar cell by using a rotary brush with water spray to improve cleaning system. In addition, the edge of the solar panel array can be detected by sensor fixed in the robot.



Introduction

Solar energy is derived from the sun, which is an abundant and inexhaustible source of power. Unlike fossil fuels, which are finite and contribute to environmental pollution, solar energy is renewable and sustainable, making it a cleaner and more responsible choice.

Solar energy production generates electricity without emitting greenhouse gases or other harmful pollutants. By reducing our reliance on fossil fuels, solar energy helps combat climate change, improves air quality, and minimizes our ecological footprint.

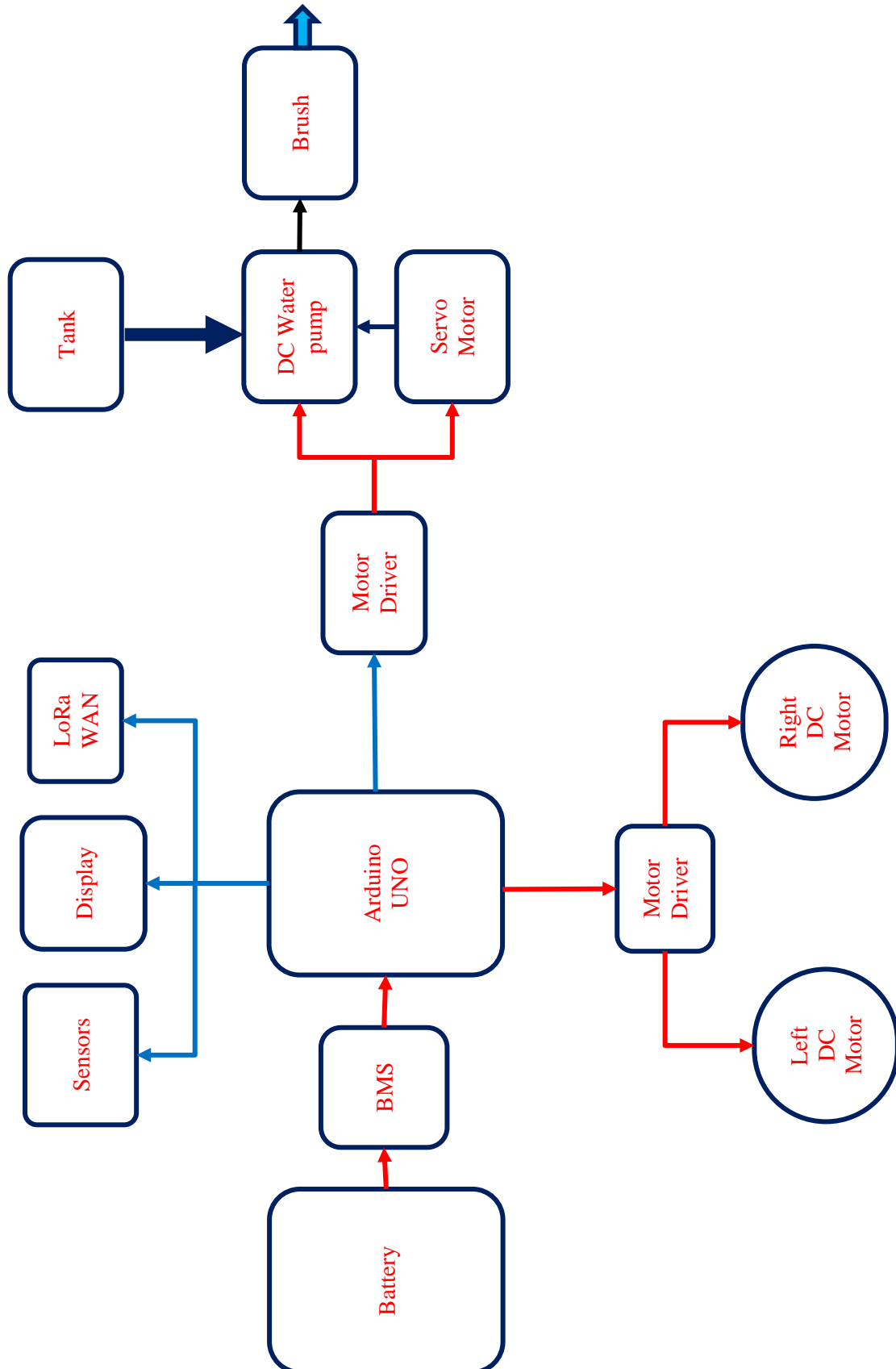
Solar energy provides an opportunity for greater energy independence. With solar panels installed on rooftops or in local communities, individuals and communities can generate their own electricity and reduce their dependence on centralized power grids. This decentralization improves resilience, especially during power outages or natural disasters.

India receives annual sunshine of 2600 to 3200 hours per year and about 5,000 trillion kWh per year energy is incident over India's land area with most parts receiving 4-7 kWh per sq. m per day. Solar photovoltaic power can effectively be harnessed providing huge scalability in India.

Maximum power point tracking (MPPT) devices are one of the ways for increasing solar array efficiency by changing equivalent load. These devices are DC-DC converters controlled with MPPT algorithms. Among the MPPT algorithms, Perturb and Observe (P&O) method and the Incremental Conductance (IC) method are widely used ones.



Block Diagram





Working

Arduino Uno is one of the most popular and widely used Arduino boards. It is a microcontroller board based on the ATmega328P microcontroller chip. It will control all the sensors motor, drivers, and display. Take decisions according to the signal from **LoRa WAN**. Which is used to transmit data for long range up to 2 kilometres. **Motor drives** are driving the high torque **DC motors** to control the robot movements and **cleaning brush** and also drives the water pump motor. Robot automatically stop when object is detected or goes to edge of the panel by signal from the **sensors**. Robot is power up by the Li-ion battery paired with BMS which is capable of producing 12 volt and 2A of Current.

A roller brush and a water sprayer is equipped in the robot to clean all dirt and grime from the surface of the panels. The sprayer gets its supply of water through an onboard tank. The rubber caterpillar tracks ensure that this robot can adhere to the slick surface of solar panels. This robot operates remotely and wirelessly.

The solar panel cleaner robot makes use of a water tank with motorized pump along with 6 x DC motors to achieve robot's motion using caterpillar wheel motion. The robotic vehicle is built over a metal chassis with a controller circuitry operated over RF wireless remote.

A remote controller is used to wirelessly transmit control movement data to the robotic vehicle. The controller receives the data and operates the wheel motors in desired directions to achieve the desired movement. The front brush is fixed to the main chassis front and operated by a geared DC motor.



Cost Estimation for “Photovoltaic Panel Cleaning Robot”

S.No	Component	Specification	Unit Cost in Rs	No. of Units	Amount in Rs
1	Roller Shock Absorber	RS PRO	1,500	2	3000
2	LoRa WAN	UART Serial Module	6,200	1	6200
3	Arduino	UNO	1,000	1	1000
4	DC Motor	12V 60 RPM Gear Motor	4,500	6	27000
5	Motor Driver	-	500	2	1000
6	Servo motor	MG497	1,000	1	1000
7	Display	OLED Screen	500	1	500
8	DC Water Pump	-	600	1	600
9	2 Wheel Chains	52 Chain Links	1,200	2	2400
10	Battery	12v 7200 mAh Li-ion Battery	3,000	2	6000
11	BMS module	2S 4A 3.7V	1,000	1	1000
12	Metal Frame Chassis	-	5,400	1	5400
13	Ultrasonic sensor & IR Sensor	-	2,000	1	2000
14	Wires	Single Stand	500	1	500
15	Roller brush	-	2,500	1	2500
16	Tank	-	700	1	700
17	Charger	12V 2A	600	1	600
Total					61,400
Component cost for 3 Solar PV Cleaning system 61,400 X 4 =					2,45,600
17	Miscellaneous	-	-	-	38,400
Total Amount of the Project					Rs 2,84,000



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Advantages:

- The overall efficiency of solar panels is improved by keeping them clean.
- Remote and wireless operation ensures workers aren't put in danger.
- Roller brush cleans all dust, dirt, grime, and debris.
- Equipped with water sprayer supplied with on-board water tank.
- Compact, portable, and user-friendly design.



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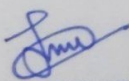
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Conclusion

The development of an automatic solar cleaning robot offers significant advantages for solar energy systems. Physical conditions such as muddy rain, snow and dusting reduces the efficiency of the solar panel. This situation reduces electrical power extraction level which can be technically produced with clean solar panel surface. Therefore, it is also very important to keep the solar panels clean as well as the maximum power point tracking devices. The designed dual-motor and crawler robot moves horizontally, and the cleaning brush runs on the vertical axis. In addition, the length of the solar panel array can be detected by position switches to keep the SPCR in desired working area. In this work, a solar panel cleaning robot (SPCR) has been designed and tested in real time.




HEAD OF THE DEPARTMENT
Dept. of Electrical & Electronics Engg.
M. Kumarasamy College Of Engineering
Karur-639 113.



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02-11-2022

From

The Head of the department,

Department of Electronics and Communication Engineering,

M. Kumarasamy College of Engineering,

Karur 639 113.

To

The Manager,

KR Renewable Private Ltd.,

Karur.

Dear Sir/Madam,


Sub: Requisition for Consultancy Project - Reg:

We Department of Electronics and Communication Engineering, M. Kumarasamy College of Engineering, Karur is a NAAC Accredited Autonomous Institution. We have research and development cell and own startup in our department of ECE which is recognized by Anna University, Chennai. We are providing cost effective service provider to small and medium sized companies. We are well equipped to endow with the requirement of an enterprise via Drone design and development, APP and Website development, and Network security service solution. We are looking forward to receive some opportunities from your side.

Thanking you,

Place: Karur

Yours faithfully,


Dr. S. PALANIVEL RAJAN, B.E., M.E., Ph.D.,
M.B.A., P.G.D.I.C.L., D.Litt., (USA),
Professor & Head,
Dept. of Electronics and Communication Engg.,
M. Kumarasamy College of Engineering, Karur - 639 113.

07-11-2022

To

The Head of the department

Department of Electronics and Communication Engineering

M. Kumarasamy College of Engineering

Karur 639 113

Dear Sir/Madam,

We are happy to have a project proposal from you, please consider this letter as a formal acceptance for developing a "Design and Implementation of Solar Powered Drone". Please Quote a favourable price that would completely meet our constraints without negotiations.

Thanking you,

Sign.,



Manager,

KR Renewable Private Ltd.,

Karur





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09-11-2022

From

The Head of the department,
Department of Electronics and Communication Engineering,
M. Kumarasamy College of Engineering,
Karur 639 113.

To

The Manager,
KR Renewable Private Ltd.,
Karur.

Sub: Placing Quotation for consultancy project-Reg

With respect to the statement prepared and from your requisition letter for the need of quotation, we have attached the quotation for your kind perusal. We take this opportunity as our indeed pleasure to provide service for "Design and Implementation of Solar Powered Drone" project from our department. With this regard, please feel free to contact, we are ready to severe for you in future also.

S.No.	DESCRIPTION	RATE OF THE PROJECT
1	Design of Solar Powered Drone	Rs. 53,000
2	Implementation of drone development	Rs. 65,000
3	Prototype development	Rs. 67,000
TOTAL		Rs. 1,85,000

Thanking You,

Place: Karur

Yours faithfully,


Dr. S. PALANIVEL RAJAN, B.E., M.E., Ph.D.,
M.B.A., P.G.D.I.C.L., D.Litt., (USA),
Professor & Head,

Dept. of Electronics and Communication Engg.,
M. Kumarasamy College of Engineering, Karur - 639 113.

11.11.2022

From
The Manager,
KR Renewable Private Ltd.,
Karur.

To
The Head of the department,
Department of Electronics and Communication Engineering,
M. Kumarasamy College of Engineering,
Karur 639 113.

Dear Sir.

Sub: Confirmation and Fund Amount-Reg

We thank Department of Electronics and Communication Engineering, M.Kumarasamy College of Engineering, Karur for accepting our project proposal. Our company would like to assign the project work on "Design and Implementation of Solar Powered Drone" to your team members of ECE stream. The project consists of three major tasks such as Design of Solar Powered Drone, Implementation of drone development and Prototype development. In order to complete our project, we offer you the maximum fund of Rs.1,85,000 and the amount will be transferred to the institution account. The amount will be released based on the completion of task.

Thanking you,



Sign.,
Manager,
KR Renewable Private Ltd.,
Karur





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15.11.2022

From
The Head of the department,
Department of Electronics and Communication Engineering,
M. Kumarasamy College of Engineering,
Karur 639 113.

To
Manager,
KR Renewable Private Ltd.,
Karur

Dear Sir.

Sub: Budget and Schedule acceptance - Reg.


Project Name: Design and Implementation of Solar Powered Drone

Our institution is happy to accept your budget proposal. We allocate the faculty and team members to resource for our project. Awaiting for the date of confirmation to visit your industry and do further process.

Thanking You,

Place: Karur

Yours faithfully,


Dr. S. PALANIVEL RAJAN, B.E., M.E., Ph.D.,
M.B.A., P.G.D.I.C.L., D.Litt. (USA),
Professor & Head,
Dept. of Electronics and Communication Engg.,
M. Kumarasamy College of Engineering, Karur - 639 113.

Project Completion Certificate

Ref No: KR-2022-RDCP-00129-03-2023

This is to certify that Dr.K.Karthikeyan, Associate Professor and his team members from the Department of Electronics and Communication Engineering. M.Kumarasamy College of Engineering, Karur, have satisfactorily completed the assigned R&D tasks on the project design and implementation of a "Design and Implementation of Solar Powered Drone" at KR Renewable Private Ltd., Karur.

Thanks with regards,



Manager,
KR Renewable Private Ltd.,
Karur



M.KUMARASAMY COLLEGE OF ENGINEERING

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Statement of Axis Account No :917010060789192 for the period (From : 30-03-2023 To : 30-03-2023)

Tran Date	Chq No	Particulars	Debit	Credit	Balance	Init. Br
		OPENING BALANCE			10751992.19	
30-03-2023		MIGS ONLINE REFUND MKMLENMIGS16 DT 29-MAR-23	1678.57		10750313.62	100
30-03-2023		By Clg 793360 002 Karur		53000.00	10803313.62	2568
30-03-2023		By Clg 793361 002 Karur		65000.00	10868313.62	2568
30-03-2023		By Clg 963260 002 Karur		110000.00	10978313.62	2568
30-03-2023		By Clg 605354 002 Karur		57000.00	11035313.62	2568
30-03-2023	423677	TRF/123/M KUMARASAMY HEALTH /	10300000.00		735313.62	123
30-03-2023		By Clg 605353 002 Karur		70000.00	805313.62	2568
30-03-2023		By Clg 944290 002 Karur		72000.00	877313.62	2568
30-03-2023		By Clg 944291 002 Karur		88000.00	965313.62	2568
30-03-2023		By Clg 944292 002 Karur		124000.00	1089313.62	2568
30-03-2023		By Clg 963262 002 Karur		142000.00	1231313.62	2568
30-03-2023		By Clg 793362 002 Karur		67000.00	1298313.62	2568
30-03-2023		By Clg 963261 002 Karur		94500.00	1392813.62	2568
30-03-2023		By Clg 605352 002 Karur		65000.00	1457813.62	2568
30-03-2023		SAK/CASH DEP/SAK337724096/123/SELF		316775.00	1774588.62	123
30-03-2023		CMS 123MKCO9192/CASH /		1633720.00	3408308.62	123
		TRANSACTION TOTAL	10301678.57	2957995.00		
		CLOSING BALANCE			3408308.62	

Unless the constituent notifies the bank immediately of any discrepancy found by him/her in this statement of Account, it will be taken that he/she has found the account correct.

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1. Introduction

“solar-powered drone” involves several key components and considerations. A solar-powered drone is an unmanned aerial vehicle (UAV) that utilizes solar energy as its primary source of power. It combines the capabilities of drones with solar technology to enable longer flight durations and increased operational efficiency. Figure 1 shows the Solar-powered drone design elements and overview of the process:

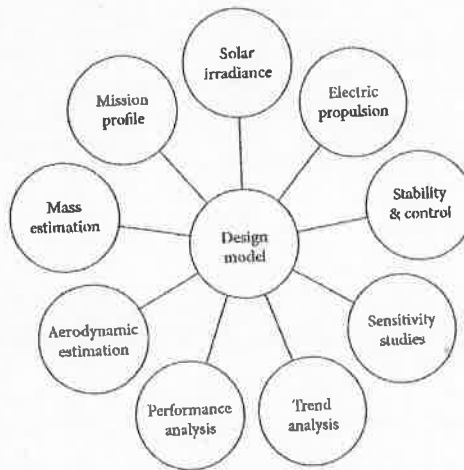


Figure 1 Solar-powered drone design elements.

Solar Drone Design

Select or design a drone platform suitable for remote sensing applications. Consider factors such as payload capacity, flight time, stability, and maneuverability. Incorporate solar panels onto the drone's structure to harness solar energy for extended flight duration. Figure 2 shows the theoretical drone model.

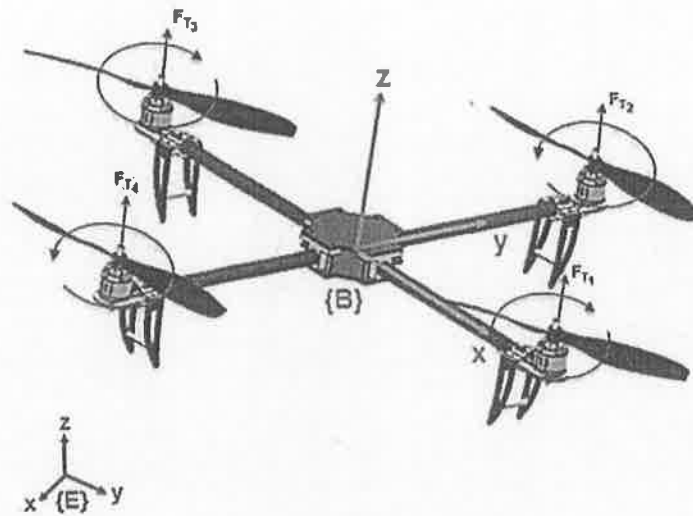


Figure 2 Theoretical model

Where;

E: Fixed reference frame. B: Body reference frame.

F_{Ti} : propeller thrust force i

Remote Sensing Payload

Determine the specific remote sensing instruments and sensors required for your application. This may include cameras (RGB, multispectral, or thermal), LiDAR, or other specialized sensors. Ensure the payload weight and size are compatible with the drone's capacity.

Power System

Design a solar power system to provide continuous energy to the drone. This includes solar panels, batteries, power management, and charging circuitry. Optimize the solar panel placement and orientation to maximize sunlight exposure during flight.

Communication

Establish a reliable communication system for remote control and data transmission. This can be achieved through radio frequency (RF), Wi-Fi, or cellular networks. Implement appropriate communication protocols to ensure seamless data transfer between the drone and ground station.

Flight Control and Autonomy

Develop flight control algorithms and software to manage the drone's stability, navigation, and autonomous capabilities. Implement sensors, such as GPS, accelerometers, gyroscopes, and magnetometers, for accurate positioning and orientation. Figure 3 shows the solar powered drone circuit diagram.

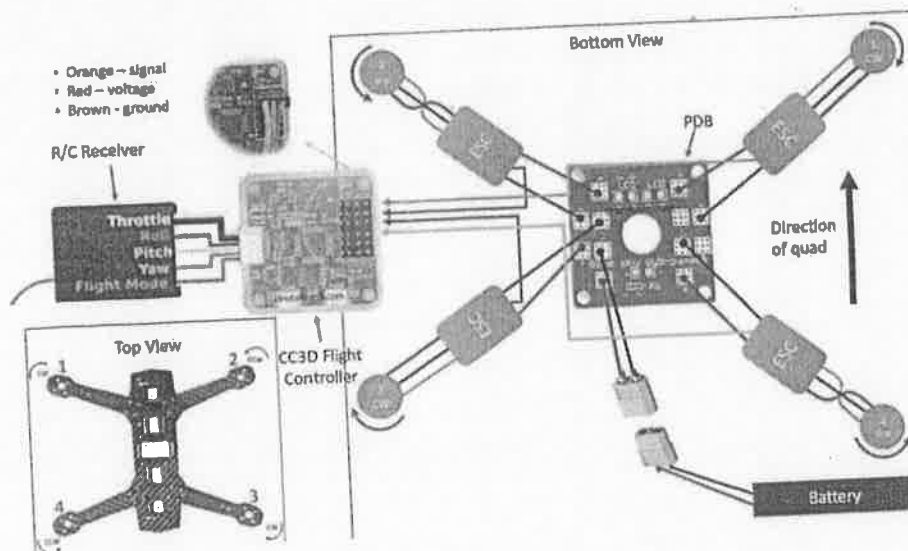


Figure 3 Solar Powered Drone Circuit Diagram

From the circuit diagram, the energy received from the Sun is collected by the solar panel, which converts it into electricity and then there is the maximum power point tracker (MPPT), which helps in tracking the maximum power of any solar cell and provides it at all times. In MPPT, there are 3 terminals: one is connected to the solar panel; the other, to load (motor); and the last one, to the battery.

Then, in level flight, the MPPT sends power directly to the motor from the solar cells and, when gliding, as the motor does not require power, the battery starts charging. If an excess of power is required, during climbing or when the solar intensity is low, the battery supplies the required power, which is stored into the motor.

Thus, from the battery, the energy goes to the motor, which rotates the propeller and, between them, there is an electronic speed control (ESC) regulating the speed. Besides the present battery, there is an additional small pencil battery to control the avionics; the reason to separate it is, even if there is any problem in the main circuit or else, any damage in the cells still controlling the plane can be done as the control system's battery is not connected to the main circuit, which helps in a safe landing.

Data Processing and Storage

Set up a ground station with computing power and storage capacity to process and store the data collected by the drone. Implement data processing algorithms for image stitching, sensor fusion, georeferencing, and analysis.

User Interface

Develop a user-friendly interface to control the drone, monitor flight status, and visualize the collected data. Provide tools for mission planning, route optimization, and data analysis.

Safety and Regulations

Ensure compliance with local regulations and aviation authorities' guidelines for drone operation. Implement safety features such as fail-safe mechanisms, geofencing, and emergency landing procedures.

Maintenance and Upgrades

Establish a maintenance plan to ensure the drone's optimal performance and longevity. Consider future upgrades and improvements to enhance the drone's capabilities and efficiency. It's important to note that designing and implementing a remote sensing solar drone can be a complex and specialized task.

Drone Platform Selection

Choose or design a drone platform that is suitable for solar integration. Consider factors such as size, weight, payload capacity, and stability.

Solar Panels

Determine the appropriate solar panel configuration based on the drone's size and power requirements. Select high-efficiency solar panels capable of generating sufficient power even under varying lighting conditions.

the placement and orientation of the solar panels on the drone to maximize sunlight exposure during flight. Figure 4 shows the solar panel for drones.

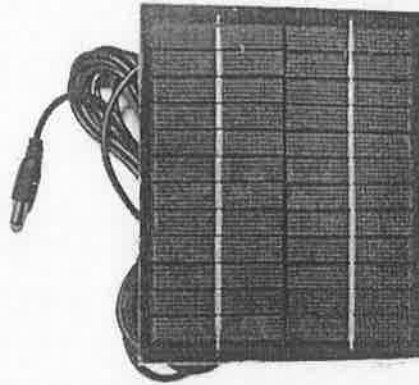


Figure 4 Solar Panels for Drone

Power Management System

Implement a power management system that integrates solar panels, batteries, and charging circuitry. Figure 5 shows the solar charge controller.

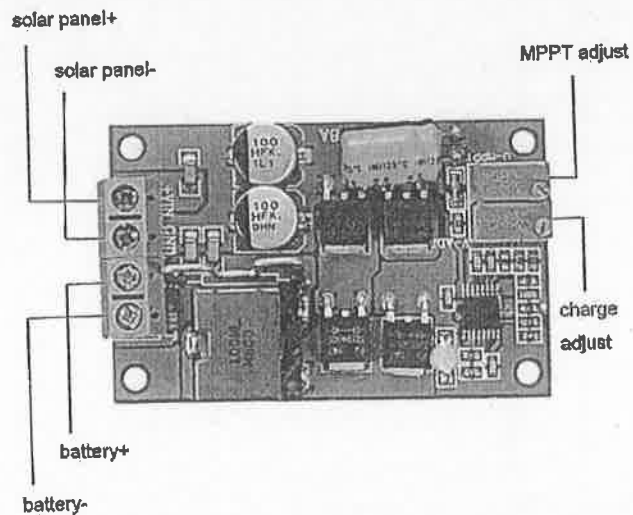


Figure 5 Solar Charge Controller

Use solar charge controllers to regulate the charging process and prevent overcharging or damage to the batteries. Incorporate battery management systems (BMS) to monitor the battery status and optimize power distribution.

Energy Storage

Select lightweight and high-capacity lithium-ion or lithium polymer batteries to store the solar-generated energy. Consider the energy requirements of the drone's components, including propulsion, flight control, sensors, and communication systems. Implement battery redundancy and protection mechanisms to ensure safe and reliable operation. Figure 5 shows the battery eliminator circuit.

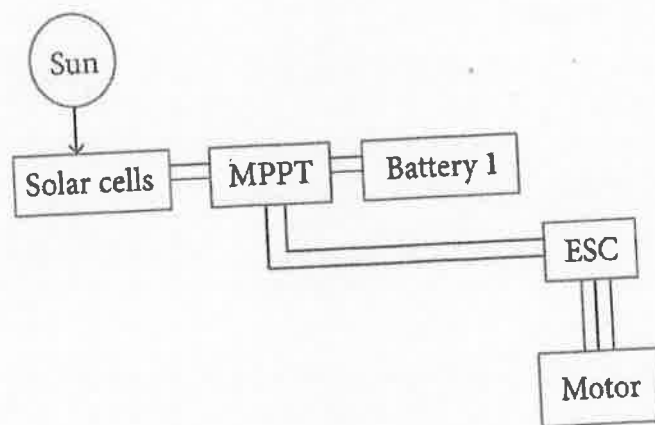


Figure 5 Battery Eliminator Circuit

Propulsion System

Choose electric motors and propellers that are efficient and suitable for the drone's size and weight. Optimize the power-to-weight ratio to ensure efficient use of the solar-generated energy.

Testing and Optimization

Conduct thorough testing of the solar-powered drone in various environmental conditions to evaluate its performance and efficiency. Collect data on flight duration, energy consumption, and overall system behavior. Iterate on the design and make adjustments based on the test results to optimize the drone's performance.

It's important to note that solar-powered drones typically have limitations in terms of power generation and flight endurance. The available solar energy depends on factors like weather conditions, time of day, and geographical location.

Therefore, while solar power can extend the drone's flight time, it may still require additional battery power for continuous operation. Careful consideration of the drone's design and power requirements is essential to achieve the desired performance and maximize the benefits of solar energy integration.

2. Mathematical Design Model

The developed solar-powered electric UAV mathematical design model and its algorithm flowchart are illustrated in Figures 1 and 2, respectively. The model contains the nine design components mentioned earlier. Three design components, namely, mass estimation, aerodynamic estimation, and performance analysis, were initially developed. Performance analysis is the only design component that was maintained based on the specifications developed. Figure 6 shows the design algorithm flowchart for drone.

The component mass was divided into the following basic elements, namely, structure, battery, solar, electric propulsion, control system, and payload, as shown in (1), respectively. The aircraft's total take-off weight W_{TOMax} may be expressed as a combination of the empty weight and payload weight, as shown in (2), respectively, because a pure electric drone does not have a variable weight during flight.

$$W_{TOMax} = W_{Struct} + W_{Batt} + W_{Solar} + W_{Electric} + W_{Ctrl} + W_{Pay-Max} \quad \text{----- (1)}$$

$$W_{TOMax} = W_{Empty} + W_{Pay Max} \quad \text{----- (2)}$$

The relevant coefficient in predicting the empty weight of an electric drones that weighs less than 15 kg is given in (3). This equation is determined using regression analysis by collecting all possible measurements of 83 small electric drones. These 83 small drones, including solar-, battery-, fuel cell-, and hydrogen-powered electric drones, weigh less than 14 kg. The parameters gathered include weights, wing area (S), wing span (b), aspect ratio (AR), height, total length, root, and tip chord length of both the wing and tail surfaces.

$$W_{Empty} = 0.79 \times b^{18.9012} S^{-9.4755} AR^{-9.4558} W_{TOMax}^{0.99} \quad \text{----- (3)}$$

Similarly, in aerodynamic estimation, specific lift and drag coefficient estimation was performed based on various wing and horizontal tail airfoil characteristics. However, the fuselage and vertical tail characteristics have yet to be incorporated in this study.

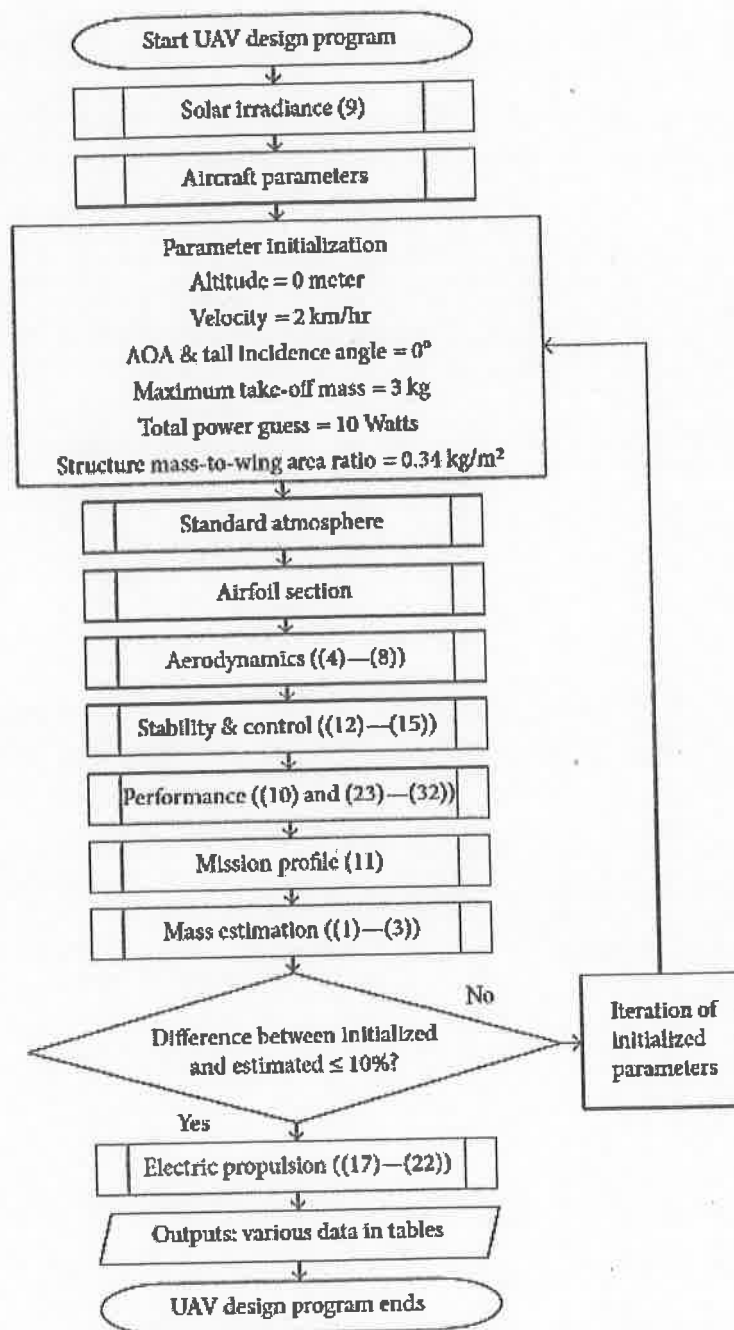


Figure 6 Design algorithm flowchart for drone.



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Date: 06.09.2022

From

Head of the Department,
Department of Information Technology
M.Kumarasamy College of Engineering,
Karur.

To

The Manager,
K.Ramakrishnan Clean Energy Pvt., Ltd.,
Thalavapalayam,
Karur- 639 113.

Respected Sir,

Sub: Request for project proposal - Reg.

This is for your kind information that we are ready to undertake any project under your industry. We prepare our department to become one of the most sought-after IT graduates in the corporate sector.

Our journey towards excellence in recent trends of industry projects. Our department has well-equipped laboratories, qualified and experienced faculty to undertake industrial projects. As an initiative of institution collaboration activities, we would like to undertake project work for the benefit of the industry. Let us know your requirements on Windmill automation.

Thanking You,

Yours faithfully,

Head of the Department
[Head of the Department]
Department of Information Technology
M. Kumarasamy College of Engineering
(Autonomous)
Thalavapalayam - Karur.



**K. RAMAKRISHNAN
CLEAN ENERGY PRIVATE LIMITED**

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113, TAMILNADU.



Lr. No. 113/20.09.2022

Date:20.09.2022

To

Head of the Department,
Information Technology,
M. Kumarasamy College of Engineering,
Karur-639 113

Dear Madam,

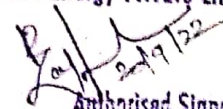
Ref: Your letter dated on 06.09.2022- Undertaking Project- Reg.

We received your request for the project and happy to collaborate with you. We are in need of computerized Wind Mill monitoring system and develop the project titled "Sensor Based Wind Mill Monitoring System". Kindly let us know the time needed for the completion of the project and provide the detailed quotation for the same at the earliest.

Thanking You,

With Regards,

For K. Ramakrishnan Clean Energy Private Limited,


20/9/22
Authorised Signatory.



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Date: 05.10.2022

From

Head of the Department,
Department of Information Technology
M.Kumarasamy College of Engineering,
Karur.

To

The Manager,
K.Ramakrishnan Clean Energy Pvt., Ltd.,
Thalavapalayam,
Karur- 639 113.

Respected Sir,

Sub: Cost Estimation – for the Windmill Project- Reg.

Thank you for sponsoring an industrial project titled “**Sensor Based Wind Mill Monitoring system**”. The implementation of the project requires six months. Our faculty members Mr. K.Kalaiarasan, AP/IT and Mr.A.Vijay, AP/IT will be involved in the execution of the project work and we will work to the fullest satisfaction of your needs. The invoice of the project will be sent to you within a couple of days.

Thanking You,

Yours faithfully,

Head of the Department

Head of the Department

Department of Information Technology
M. Kumarasamy College of Engineering
(Autonomous)
Thalavapalayam - Karur.





M.KUMARASAMY
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Thalavapalayam, Karur - 639 113.



INVOICE

Customer Details:

K.Ramakrishnan Clean Energy Pvt. Ltd.,
Thalavapalayam,
Karur- 639 113

Invoice Number: 123

Invoice Date: 07.10.2022

S.No	Description of Service	Amount
1	Sensor/Software installation and Design	1,10,000/-
2	Technical Service Charges	94,500/-
3	TA/DA	35,500/-
4	Other Allowances	12,000/-
	Total	2,52,000/-

Yours faithfully,

Head of the Department

Head of the Department

Department of Information Technology
M. Kumarasamy College of Engineering
(Autonomous)
Thalavapalayam - Karur.



**K. RAMAKRISHNAN
CLEAN ENERGY PRIVATE LIMITED**

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113, TAMILNADU.



Lr.No.117/10.10.2022

Date: 10.10.2022

To

The Head of the Department,
Department of Information Technology,
M. Kumarasamy College of Engineering,
Karur-639113.

Respected Madam,

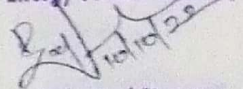
Sub: Automation Software- Approve & Sanction – Reg.

We are happy to give our concern and sanction the quotation given by you with respect to "Sensor Based Windmill Monitoring System" to be created by your department. We had profound discussion with the development team and felt positive in real time implementation. We are satisfied with the quotation and sanction Rs.2,52,000 for windmill monitoring project development, deployment and maintenance.

Thank you

With regards

For K. Ramakrishnan Clean Energy Private Limited,


Authorised Signatory.

**K. RAMAKRISHNAN
CLEAN ENERGY PRIVATE LIMITED**

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113, TAMILNADU.



Ref:KR/Lr121/03.12.2022

Date:03.12.2022

To

Head of the Department,
Information Technology,
M. Kumarasamy College of Engineering,
Karur-639 113

Dear sir,

Sub: Request for ERP software- New proposal - Reg.

We are glad to inform you that we are in need of another software for staff maintenance and effective functioning of the administration. We would like to deploy the ERP software for our company. Kindly let us the know your willingness for the software development and also provide the quotation for the same.

Thanking You,

Yours faithfully,

Head of the Department

For K. Ramakrishnan Clean Energy Private Limited,


28/12/22
Authorised Signatory.



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



Date: 07.12.2022

From

Head of the Department,
Department of Information Technology,
M. Kumarasamy College of Engineering,
Karur.

To

The Manager,
K.Ramakrishnan Clean Energy
Pvt., Ltd., Thalavapalayam,
Karur- 639 113.

Respected Sir,

Sub: Cost Estimation – for the ERP software- Reg.

Once again we thank you for offering us a new proposal for your company regarding ERP software. As per your request we will complete the “ERP Application Software” within 2 months. The quotation for the software development will be given within two days

Thanking You,

Yours faithfully,

Head of the Department

Head of the Department
Department of Information Technology
M. Kumarasamy College of Engineering,
(Autonomous)
Thalavapalayam - Karur.





M.KUMARASAMY
COLLEGE OF ENGINEERING
Established in 1984
Approved by AICTE, Government of Tamil Nadu
Thalavapalayam, Karur - 639 113



INVOICE

Customer Details:

K. Ramakrishnan Clean Energy Pvt. Ltd.,
Thalavapalayam,
Karur- 639 113

Invoice Number: 134

Invoice Date: 10.12.2022

S.No	Description of Service	Amount
1	Software installation and Design	87,000/-
2	Server And Hosting	5,500/-
3	Other Charges	2,000/-
	Total	94,500/-

Yours faithfully,

Head of the Department

Head of the Department
Department of Information Technology
M. Kumarasamy College of Engineering
(Autonomous)
Thalavapalayam - Karur.



**K. RAMAKRISHNAN
CLEAN ENERGY PRIVATE LIMITED**

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113. TAMILNADU.



Lr. No.126/15.12.2022

Date: 15.12.2022

To

The Head of the Department,
Department of Information Technology,
M. Kumarasamy College of Engineering,
Karur-639113.

Respected Madam,

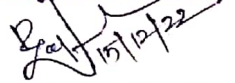
Sub: ERP Software- Approve & Sanction – Reg.

We are satisfied with the earlier collaboration and we approve the quotation for our second project and sanction Rs.94,000 for developing and maintaining the ERP software.

Thank you

With regards

For K. Ramakrishnan Clean Energy Private Limited,


15/12/22
Authorised Signatory.



भारतीय स्टेट बैंक
State Bank Of India

(07771)-SIRUTHOZHIL BRANCH, KARUR
9 D 3 RAMAKRISHNAPURAM
KARUR, KARUR 639001
Tel : 4324 230134 Fax : IFS Code : SBIN0007771 SWIFT :

केवल 3 महीने के लिए वैध : VALID FOR 3 MONTHS ONLY
05 01 2023
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को या उनके आदेश पर OR ORDER

K. MARASAMY COLLEGE OF ENGINEERING
RS ONE LAKH TEN THOUSAND ONLY

अदा करें

₹ 1,10,000/-

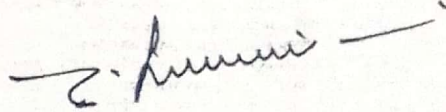
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VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

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CURRENT A/C

PREFIX :
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M/S K RAMAKRISHNAN CLEAN ENERGY PVT LTD

BEFTY CHEQUE Payable at Par at All Branches of SBI

Please sign above

⑈963260⑈ 639002003⑈ 000702⑈ 29





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COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



Date: 07.01.2023

From

Head of the Department,
Department of Information Technology,
M. Kumarasamy College of Engineering,
Karur.

To

The Manager,
K.Ramakrishnan Clean Energy Pvt., Ltd.,
Thalavapalayam,
Karur- 639 113.

Respected Sir,

Sub: First Payment Received – For Sensor based Wind Mill Monitoring System-Reg..

As per our discussion we have received the payment of Rs. 1,10,000 [cheque No.963260] as a first installment and we would be glad if we receive the remaining payment of Rs. 1,42,000/- as mentioned in the quotation dated 05.10.2022.

Thanking you,

Yours faithfully,

Head of the Department

Head of the Department
Department of Information Technology
M. Kumarasamy College of Engineering,
(Autonomous)
Thalavapalayam Karur.





भारतीय स्टेट बैंक
State Bank Of India

(07771)-SIRUTHOZHIL BRANCH, KARUR
D D 3 RAMAKRISHNAPURAM
KARUR, KARUR 639001
Tel : 4324 230134 Fax : IFS Code : SBIN007771 SWIFT :

वैधता 3 महीने के लिए है - VALID FOR 3 MONTHS ONLY

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M. KUMARASAMY COLLEGE OF ENGINEERING

को या उनके आदेश पर OR ORDER

रुpees NWTY FOUR THOUSAND FIVE HUNDRED ONLY

X अवा करें ₹ 94,500/-

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CURRENT A/C
PREFIX :
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(Signature)

M/S K RAMAKRISHNAN CLEAN ENERGY PVT LTD

Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

963261 639002003 000702 29





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Date: 09.02.2023

From

Head of the Department,
Department of Information Technology,
M. Kumarasamy College of Engineering,
Karur.

To

The Manager,
K.Ramakrishnan Clean Energy Pvt., Ltd.,
Thalavapalayam,
Karur- 639 113.

Sub: Payment Received – For ERP Software- Reg...

We are glad to inform you that we have received the payment of Rs. 94,500/- [cheque No.963261 dated 08.02.2023] for ERP software and we thank a lot for giving us opportunity to prove our efficiency in developing the software and we would be glad to receive more projects in future as per your requirement of your industry.

Thanking you,

Yours faithfully,

Head of the Department
Head of the Department
Department of Information Technology
M. Kumarasamy College of Engineering
(Autonomous)
Thalavapalayam - Karur.



भारतीय स्टेट बैंक
State Bank Of India

(07771) SIRUTHOZHIL BRANCH, KARUR
9 D 3 RAMAKRISHNAPURAM
KARUR, KARUR 630001
Tel : 4324 230134 Fax : IFS Code : SBIN007771 SWIFT :

कम से कम 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY

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D D M M Y Y Y Y

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UMARASAMY COLLEGE OF ENGINEERING

को या उनके आदेश पर OR ORDER

ONE LAKH FORTY TWO THOUSAND ONLY

अदा करें

₹ 1,42,000/-

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VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

80972487273

CURRENT A/C

PREFIX :
0523600001

K. Kumar

M/S K RAMAKRISHNAN CLEAN ENERGY PVT LTD

CITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

963262 639002003 000702 29





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Date: 19.03.2023

From

Head of the Department,
Department of Information Technology,
M. Kumarasamy College of Engineering,
Karur.

To

The Manager,
K.Ramakrishnan Clean Energy Pvt., Ltd.,
Thalavapalayam,
Karur- 639 113.

Respected Sir,

Sub: Second Payment Received – For Sensor based Wind Mill Monitoring System-Reg..

We received the payment of Rs. 1,42,000 [cheque No.963262 dated 17.03.2023] as a final settlement and we are very much grateful for providing us an wonderful opportunity to develop two software. And we would like to render our service in upcoming years too.

Thanking you,

Yours faithfully,

Head of the Department
Head of the Department
Department of Information Technology
M. Kumarasamy College of Engineering,
(Autonomous)
Thalavapalayam - Karur.





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Date: 01.09.2022

To:

THE MANAGER,
KRV GREEN PRIVATE LIMITED,
KARUR, TAMILNADU

Dear Sir,

Sub: Requesting for consultancy work - Reg

M.Kumarasamy College of Engineering is the India's first and only Platinum rated Autonomous Institution to receive QS-I-Gauge E-LEAD Certification for Subject ratings in Engineering & E-Learning Excellence in Academic Digitisation. Accredited by the National Assessment and Accreditation Council (NAAC). International Organization for Standardization (ISO) has accredited our College with ISO 9001:2015 and ISO 14001:2015.

The Mechanical Engineering Department was established in the year 2000. The objective of the department is to prepare engineering graduates to meet the needs of the industries while honing their inherent skills for self-development and to become prospective Engineers we are also offering post Graduate and Research programs

We have 16 state of art laboratories in the department which includes the major equipments like CNC, UTM, NDT, Hardness testing machine, Horizontal milling machine, Vertical milling machine and mechanical engineering related software's like Auto CAD, CREO, Ansys, Automation studio, Edge CAM, Solid works, MSC Nastran, Master CAM, MAT Lab etc. Our department has been approved as a research centre by Anna University, Chennai.

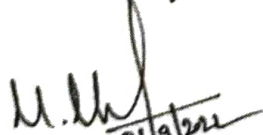
In our research Centre Stir Casting Furnace, DUCON sliding wear testing machine, Composite specimen polishing and testing machine, Image analyzing software, Computerized IC Engine testing, Five gas analyzer and smoke meter. We are also extending our research facilities to the technical society by way of giving consultancy to industries.

In addition to that, we have conducted Value Added Courses like Solid Works, Pro-E / CREO, CATIA, Welding Technology, Piping Technology, NDT: RT / UT/ PT/ MT, Nx-CAD, Edge CAM, Master CAM, ANSYS for our students.

Our team is pleased to work with your organization to rectify your requirements through our consultancy work. We are requesting you to give the permission to do consultancy work for your organization.

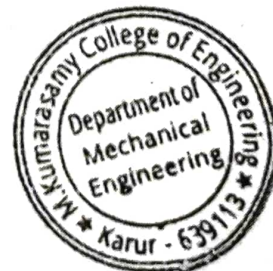
Thanking You

Yours Faithfully


HOD/Mechanical

Head of The Department

Department of Mechanical Engineering
M.Kumarasamy College of Engineering,
Karur - 639 113, Tamil Nadu.



KRV GREEN PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113. TAMILNADU.
Phone No. : 04324 - 270357 / 270457
Email : krvgreen@gmail.com



11.09.2022

To:

Head of the Department,
Mechanical Engineering Department,
M.Kumarasamy College of Engineering,
Thalapalayam, Karur,
Tamilnadu- 639113.

Dear Sir,

Reg: Requesting for consultancy work of Temperature Distribution Analysis of Solar PV Panel
– Reg.

As discussed, we request you to do consultancy work in our organization. We are in need of Temperature Distribution Analysis of Solar PV Panel. Kindly confirm the work and send the cost estimation for doing Temperature Distribution Analysis of Solar PV Panel.

Thank you

A handwritten signature in blue ink, appearing to be 'PVJ'.

Manager





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20.09.2022

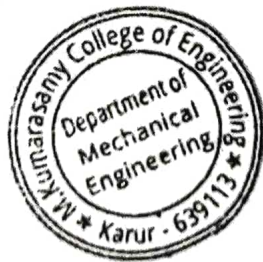
To
THE MANAGER,
KRV GREEN PRIVATE LIMITED,
KARUR,

Sir,
Sub: Cost Estimation - Consultancy Services for Temperature Distribution Analysis of Solar PV Panel – reg.

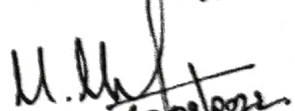
With reference of your letter on 11.09.2022, we confirm our acceptance to do that consultancy work, I have send the Cost Estimation of our project in below. Please feel free to contact me for further discussion and implementation of the consultancy work. If our price for implementing the Temperature Distribution Analysis of Solar PV Panel is acceptable to you, then we could start the work from November 2022 and will complete before last week of December 2022.

Sl.No.	Description	Total Amount (in Rs.)
1.	Temperature Distribution Analysis of Solar PV Panel	65000

Thanking You,



Yours sincerely,


HOD/Mechanical

Head of The Department
Department of Mechanical Engineering
M.Kumarasamy College of Engineering,
Karur - 639 113, Tamil Nadu.

KRV GREEN PRIVATE LIMITED



No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113. TAMILNADU.
Phone No. : 04324 - 270357 / 270457
Email : krvgreen@gmail.com

05.10.2022

To:

Head of the Department,
Mechanical Engineering Department,
M.Kumarasamy College of Engineering,
Thalapalayam, Karur,
Tamilnadu- 639113.

Dear Sir,

Reg: Accepting the Cost Estimation for consultancy work dated 20.09.2022 - Reg

With reference of your letter on 20.09.2022 and discussion, we accept your cost estimation to do the consultancy work Temperature Distribution Analysis of Solar PV Panel. We need to complete the study, Design and analysis on or before the month of December 2022. Consider this letter as Work Permit and start the work as earlier as possible.

Thank you


Manager





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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



21.12.2022

To

THE MANAGER,
KRV GREEN PRIVATE LIMITED,
KARUR.

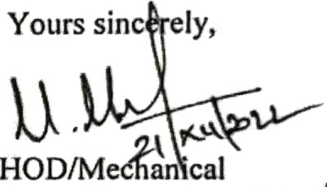
Sir,

Sub: Consultancy Services for Temperature Distribution Analysis of Solar PV Panel Completion Report- reg.

With reference of your letter on 05.10.2022, we done detailed analysis of Solar panel as per your requirements and I have attached the Temperature Distribution Analysis report along with this letter, Please feel free to contact me for further discussion and requirements.

Thanking You,

Yours sincerely,


21/12/2022

HOD/Mechanical

Head of The Department
Department of Mechanical Engineering
M.Kumarasamy College of Engineering,
Karur - 639 113, Tamil Nadu.



Temperature Distribution Analysis of Solar PV Panel Report

First, a 3-D oriented Navier-Stokes energy equation associated with several continuity equations has been drawn using a proper mathematical formulation in order to determine the temperature field using the finite element approach. The simulation was created using ANSYS-fluent software. Throughout the analysis, a constant, compact flow is assumed.

Cartesian tensor platform has been used to state all governing equations.

Continuity equation:

$$\frac{\partial y_i}{\partial x_i} = 0 \quad (1)$$

Momentum Equation:

$$\frac{\partial(\rho y_i y_j)}{\partial x_j} = -\frac{\partial p}{\partial x_i} + \frac{\partial}{\partial x_j} \left(\mu \frac{\partial y_i}{\partial x_j} \right) \quad (2)$$

Energy Equation:

$$\rho E_p y_j \frac{\partial t}{\partial x_j} = \frac{\partial}{\partial x_j} \left(l \frac{\partial t}{\partial x_j} \right) + \mu \left(\frac{\partial y_i}{\partial x_i} + \frac{\partial y_j}{\partial x_j} \right) \frac{\partial y_i}{\partial x_i} \quad (3)$$

Since the solar panel is a solid object, only conduction may be used to transport heat. As a result, the convective expression on the left side of Equation will also be zero. All of the dependent variables have had symmetry conditions imposed down the left and right boundaries of the field. No slip and no flow end to end boundary settings have been defined here for the entire solid surface. Convection and radiation have both been included in the computational body's top surface area.

Incoming sunlight radiation H can be used to represent many energy components. The photovoltaic cell's glass cover consumes energy E_h , which is defined in E_q , (4)

$$E_h = t \Omega_g H \quad (4)$$

Where, Ω_g denotes absorption coefficient of glass cover. Total energy E_t which is grasped by the silicon layer of the PV cell is represented by

$$E_t = \theta_g \beta_c H \quad (5)$$

Where, θ_g is taken as transmittance of the glass cover and β_c is defined as coefficient of absorption of the PV cell.

The photovoltaic cell's output of electrical energy can be expressed as

$$E_{pv} = \eta_{pv} t \theta_g H \quad (6)$$

However, the thermal energy E_{th} that the photovoltaic cell generates can be represented as

$$E_{th} = E_t - E_{pv} = (\beta_c - \eta_{pv}) t \theta_g H \quad (7)$$

In this analysis, the effect of a PV panel's operating temperature on a bright, scorching summer day was calculated. The ideal PV cell temperature is around 25 °C, however, in practice; this is only feasible in a small number of situations where the specified temperature can be guaranteed. Here, a 3-D multilayer-based rectangular solar panel with dimensions of (23 cm X 18 cm) in width has been analysed using the FEM-based software ANSYS fluent.

This size was picked since it is the typical size for residential solar panel selection. The thickness of each layer with their density is mentioned in Table 1.

When constructed as a single structure within a PV cell, all the aforementioned material characteristics that have been determined for each layer can be combined to obtain the identical qualities of the separate materials.

Table 1. Properties of each part of PV panel

Layers	Density (kg/m ³)	Thermal conductivity (W/mK)	Specific heat Capacity (J/kgK)
Glass	3000	1.8	500
EVA	960	0.35	2090
Photovoltaic Cell (Silicon based)	2330	148	677
PVF	1200	0.2	1250

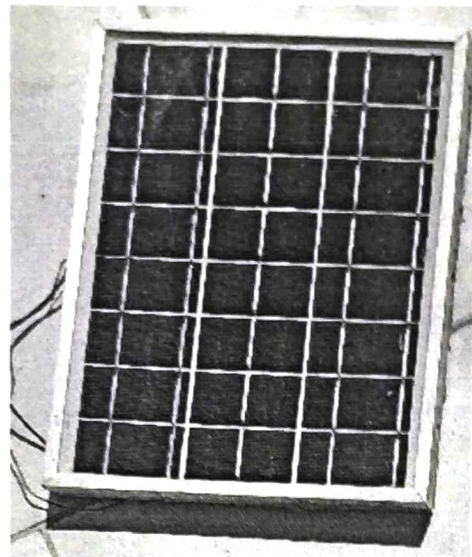
The complete solid model of PV panel is modelled in Solid work software package which is shown in figure 1 (a). The Dimensions of PV panel are followed the actual size of PV panel shown in figure 1(b). The Mesh (grids) is generated in ANSYS WORKBENCH R21 and the analysis is carried out with steady state thermal system codes. The complete specification of grid is mentioned in Table 2. The grid independence test is carried out for three different element sizes such as 0.018m, 0.02m, 0.022m. The temperature is selected as parameter to compare the influence of element sizes. When the size of element is reduced from 0.022m to 0.020m, there was a little improvement in results, but further reduction from 0.02m to 0.018m has no major variation as compared with previous test as shown in Figure 2.

Table 2. Grid Detail.

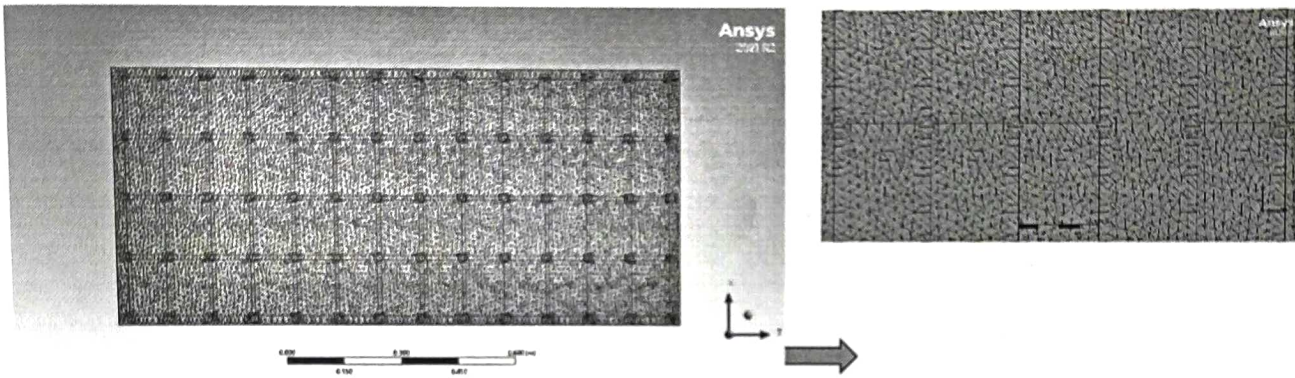
Element Size	2.e-002 m
Transition	Slow
Span Angle Center	Fine
Initial Size Seed	Assembly
Bounding Box Diagonal	1.6251 m
Average Surface Area	8.6485e-003 m ²
Minimum Edge Length	1.e-003 m
Smoothing	High
Mesh Metric	None
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	5
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Nodes	151185
Elements	77805
Method	Tetrahedrons



(a)



(b)



(c)

Figure 1 (a) Solid Model of PV Panel, (b) Actual photograph of PV panel, (c) Grid (Mesh) model of PV Panel

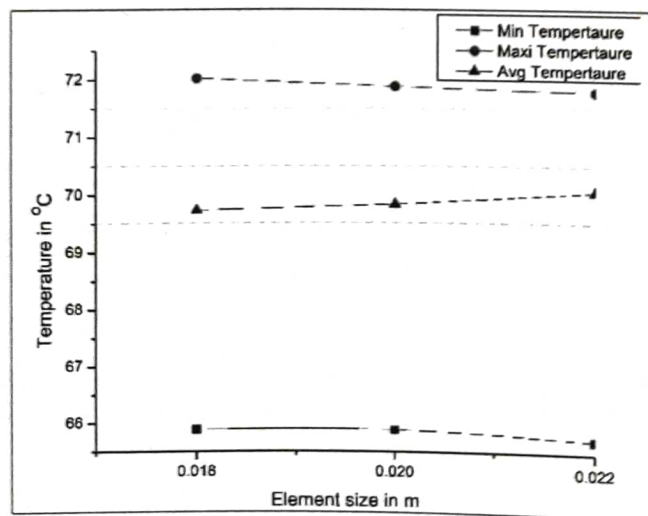
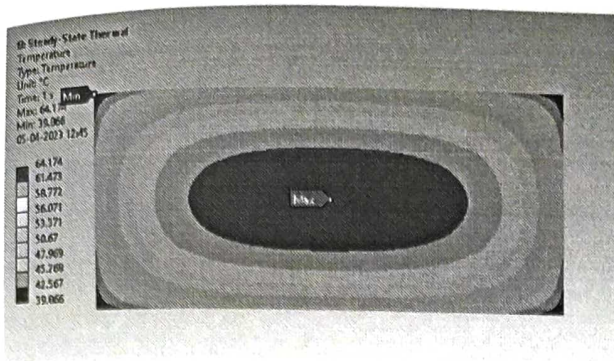
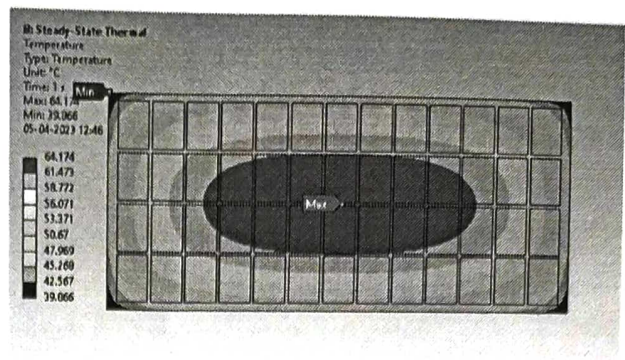


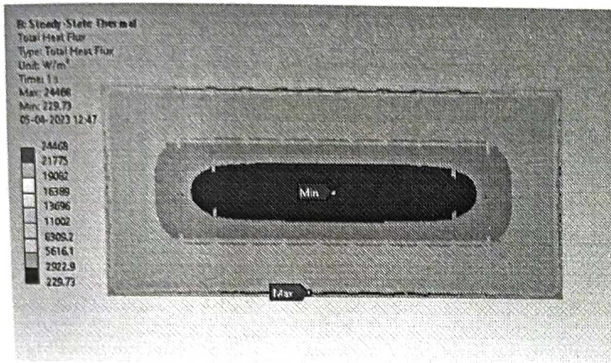
Figure 2 Grid Independence test



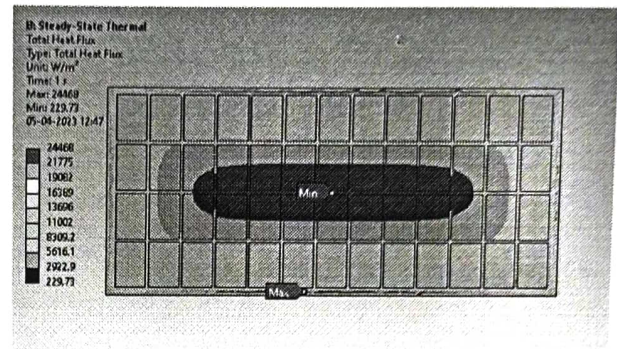
(a)



(b)



(c)

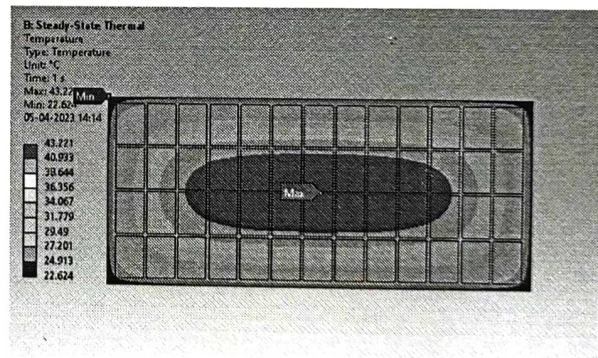


(d)

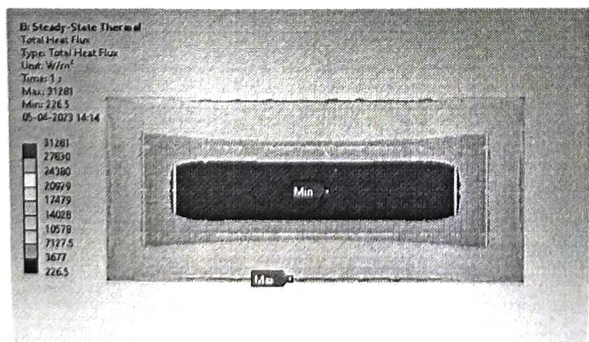
Fig. 3(a) & (b) Temperature distribution of PV panel, (c) & (d) Heat flux of PV panel



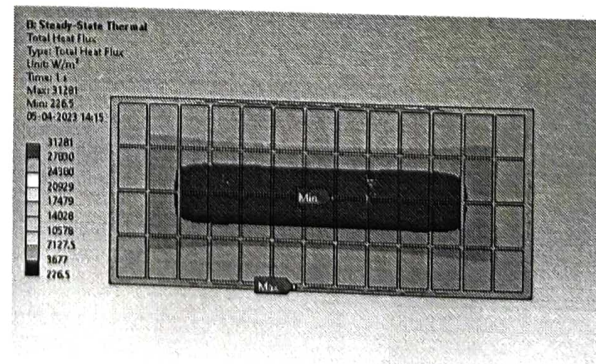
(a)



(b)



(c)



(d)

Fig. 4 (a) & (b) Temperature distribution of water cooled PV at peak irradiation (c) & (d) Heat flux of PV panel when water cooled at peak irradiation

According to the FEA analysis, the thermal camera's value is almost equivalent to the difference in PV panel temperature distribution. In Figures 3(a) and 3(b), the temperature distribution of the PV panel is depicted. Also, the temperature difference of the analysis's findings is almost 75% the same as a thermal camera. This slight discrepancy in the analysis's findings was brought about by some energy losses. The heat flux of a PV panel is depicted in Figures (c) and (d). Also, the PV panel's maximum and minimum heat fluxes are 24468 W/m^2 and 229.73 W/m^2 , respectively. Also, the temperature distribution of a PV panel using water-cooled convection is shown in figures 4 (a) and (b). A thermal camera measured the temperature difference, which is around 22%. Comparing the analytical results to the thermal camera measurements likewise reveals nearly identical temperature differences. Figures 4 (c) and 4 (d) depict the heat flux analysis results utilising water-cooled convection. Here, employing water cooled convection, the maximum and minimum heat flux of the PV panel are 31281 W/m^2 and 226.5 W/m^2 , respectively.

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No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113. TAMILNADU.
Phone No. : 04324 - 270357 / 270457
Email : krvgreen@gmail.com

03.01.2023

To:

Head of the Department,
Mechanical Engineering Department,
M.Kumarasamy College of Engineering,
Thalapalayam, Karur,
Tamilnadu- 639113.

Dear Sir,

Reg: Appreciation of Work Completion Reg.

Thank you very much for completing Temperature Distribution Analysis of Solar PV Panel in time. I really appreciate your willingness to help out outside your current position. I release (Cheque No – 605352 dated 03.01.23) the consultancy work Rs 65000 as per order dated 05.10.2022.

Thank you

Manager



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State Bank Of India

(07771)-SME SIRUTHOZHIL BRANCH, KARUR
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KARUR - 639 113. TAMILNADU.

Phone No. : 04324 - 270357 / 270457

Email : krvgreen@gmail.com

26.09.2022

To:

Head of the Department,
Mechanical Engineering Department,
M.Kumarasamy College of Engineering,
Thalapalayam, Karur,
Tamilnadu- 639113.

Dear Sir,

Reg: Requesting for consultancy work of Computational Fluid Dynamic Analysis of Wind Turbines – Reg.

As discussed, we request you to do consultancy work in our organization. We are in need of Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines and Analysis of Wind Turbine Blade using Ansys Software. Kindly confirm the work and send the cost estimation for doing the above analysis's.

Thank you



Manager





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ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



05.10.2022

To

THE MANAGER,
KRV GREEN PRIVATE LIMITED,
KARUR,

Sir,

Sub: Consultancy Services for Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines
- reg.


With reference of your letter on 26.09.2022, we confirm our acceptance to do that consultancy work, I have send the Cost Estimation in below. Please feel free to contact me for further discussion and implementation of the consultancy work. If our price for implementing the Computational Fluid Dynamic Analysis of Wind Turbines is acceptable to you, then we could start the work from November 2022 and will complete before last week of January 2023.

Sl.No.	Description	Total Amount (in Rs.)
1.	Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines	70000
2	Design and Investigation on Wind Turbine Blade Using ANSYS	57000
Total Amount		127000

Thanking You,



Yours sincerely,


HOD/Mechanical

Head of The Department
Department of Mechanical Engineering
M.Kumarasamy College of Engineering,
Karur - 639 113, Tamil Nadu.

KRV GREEN PRIVATE LIMITED

No. 127 - 128, MAIN ROAD, THALAVAPALAYAM P.O.,
KARUR - 639 113. TAMILNADU.
Phone No. : 04324 - 270357 / 270457
Email : krvgreen@gmail.com



20.10.2022

To:

Head of the Department,
Mechanical Engineering Department,
M.Kumarasamy College of Engineering,
Thalapalayam, Karur,
Tamilnadu- 639113.

Dear Sir,

Reg: Accepting the Cost Estimation for consultancy work dated 05.10.2022 - Reg

With reference of your letter on 05.10.2022 and Discussion, we accept your cost estimation to do the following consultancy work.

Description	Total Amount (in Rs.)
Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines	70000
Design and Investigation on Wind Turbine Blade Using ANSYS	57000

We need to complete the study, Design and Analysis on or before the month of January 2023. Consider this letter as Work Permit and start the work as earlier as possible.

Thank you

Manager





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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



24.01.2023

To

THE MANAGER,
KRV GREEN PRIVATE LIMITED,
KARUR,

Sir,

Sub: Consultancy Services for Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines
Completion Report- reg.

With reference of your letter on 20.10.2022, we done detailed Computational Fluid
Dynamic Analysis of 1.5 MW Wind Turbines as per your requirements and I have attached the
Analysis report along with this letter, Please feel free to contact me for further discussion and
requirements.

Thanking You,



Yours sincerely,

U. M. S.
24/01/23

HOD/Mechanical

Head of The Department

Department of Mechanical Engineering
M.Kumarasamy College of Engineering,
Karur - 639 113, Tamil Nadu.

Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines

The blade rotor is based on the 1.5MW and geometry was created based reference table 1. The details of the WindPACT 1.5 MW wind turbine summarized in Table 1 below. This blade has two shear webs and three types of airfoils, i.e. S818+, S825+ and S826+. The wind turbine blade 3D geometry was modelled using solid works and shown in Figure 1. One third wind turbine was modelled in order to decrease complexity and computational time.

Table 1 Wind turbine geometry definition

Distributed Blade Aerodynamic Properties for the WindPACT 1.5MW Model				
Node (-)	RNodes (m)	AeroTwst (°)	Chord (m)	Airfoil (-)
1	2.85833	11.1	1.949	Circular Foil 0.5
2	5.075	11.1	2.269	s818
3	7.29167	11.1	2.589	s818
4	9.50833	10.41	2.743	s818
5	11.725	8.38	2.578	s818
6	13.94167	6.35	2.412	s818
7	16.15833	4.33	2.247	s818
8	18.375	2.85	2.082	s825
9	20.59167	2.22	1.916	s825
10	22.80833	1.58	1.751	s825
11	25.025	0.95	1.585	s825
12	27.24167	0.53	1.427	s825
13	29.45833	0.38	1.278	s825
14	31.675	0.23	1.129	s826
15	33.89167	0.08	0.98	s826

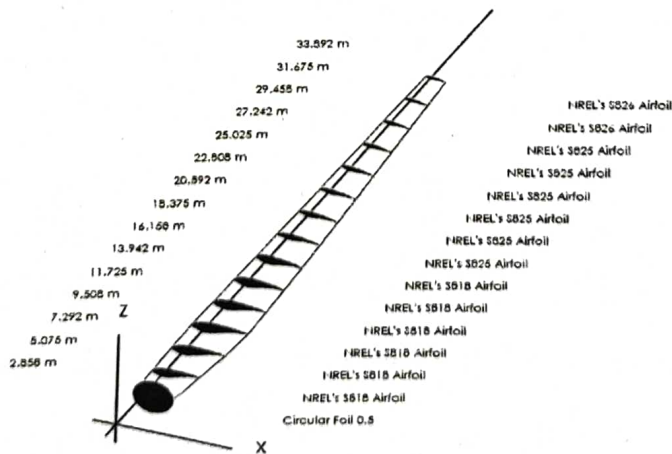


Fig 1 Airfoil distribution along the span of blade

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KARUR - 639 113. TAMILNADU.

Phone No. : 04324 - 270357 / 270457

Email : krvgreen@gmail.com

08.02.2023

To:

Head of the Department,
Mechanical Engineering Department,
M.Kumarasamy College of Engineering,
Thalapalayam, Karur,
Tamilnadu- 639113.

Dear Sir,

Reg: Appreciation of Work Completion Reg.

Thank you very much for completing Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines. I really appreciate your willingness to help out outside your current position. I release the project expense Rs 70000 as per order dated 20.10.2022.

Thank you

Manager





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16.02.2023

To

THE MANAGER,
KRV GREEN PRIVATE LIMITED,
KARUR,

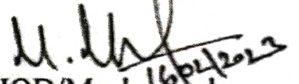
Sir,

Sub: Consultancy work for Design and Investigation on Wind Turbine Blade Using ANSYS
Completion Report- reg.

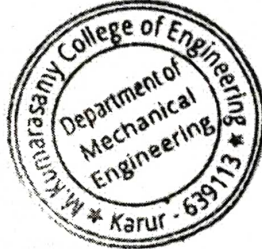
With reference of your letter on 20.10.2022, we done the Design and Investigation on Wind
Turbine Blade Using ANSYS as per your requirements and I have attached the Analysis report
along with this letter, Please feel free to contact me for further discussion and requirements.

Thanking You,

Yours sincerely,


16/02/2023
HOD/Mechanical

Head of The Department
Department of Mechanical Engineering
M.Kumarasamy College of Engineering,
Karur - 639 113, Tamil Nadu.



DESIGN AND INVESTIGATION ON WIND TURBINE BLADE USING ANSYS

The objective of this work is to perform a comprehensive analysis for a windmill vane, which is a key component of a wind turbine. The analysis involves various steps such as geometry creation, meshing, boundary conditions, solver settings, and post-processing. Computational fluid dynamic analysis has been done for investigating the flow through the turbine.

We have analyzed the pressure and the velocity impacts the turbine structure for the deformation. The aim of the analysis is to evaluate the structural performance, aerodynamic performance, and fatigue life of the windmill vane under different wind conditions and loading scenarios. The results of the analysis will help to optimize the design of the windmill vane and improve its efficiency and reliability with the help of Solid works software and have done meshing in the ANSYS software.

The wind turbine blade prototype is analyzed using finite element analysis (ANSYS) for various loading conditions at survival speed and cut of speed. Wind turbine blade undergoes variable static and dynamic during its actual life cycle. Modern wind turbine blades are designed to withstand various dynamic loading conditions. A wind turbine blade undergoes failure in combination of flap wise and edge wise.

GEOMETRIC MODELS

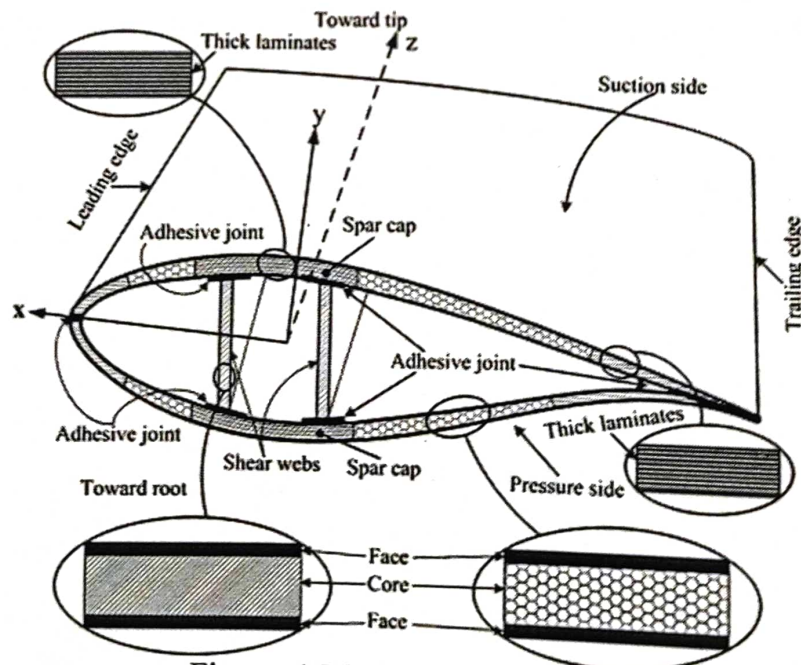


Fig no: 1 Blade Cut Geometric

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14.03.2023

To:

Head of the Department,
Mechanical Engineering Department,
M.Kumarasamy College of Engineering,
Thalapalayam, Karur,
Tamilnadu- 639113.

Dear Sir,

Reg: Appreciation of Work Completion Reg.

Thank you very much for completing Design and Investigation on Wind Turbine Blade Using ANSYS. I really appreciate your willingness and work completion. I release the project expense Rs 57000 as per order dated 20.10.2022.

Thank you

Manager



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(07771)-SME SIRUTHOZHIL BRANCH, KARUR
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SUMMARY SHEET

Criteria	Criteria-VI – Governance, Leadership and Management
Key Indicator	6.3 Faculty Empowerment Strategies (30)
Metric	6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non teaching staff during the last year.

HEI CLAIM

MKCE has an effective practice of conducting professional development programs for the teaching and non-teaching faculty through the various departments. Every year more number of professional development and administrative training programmes have been organized by MKCE for the benefit of teaching and non-teaching staff. The below table indicates the number of such programmes organized last year for teaching and non-teaching faculty.

Year	Number of programmes organized for teaching faculty	Number of programmes organized for non-teaching faculty	Total number of programmes
2020-21	7	3	10

The following supporting documents are submitted by the HEI to substantiate its claim for the metric 6.3.3: List of professional development programs conducted for Teaching Staff, List of Administrative Programs conducted for Non-Teaching Staff, Institutional data in prescribed format, and annual reports duly attested by the Principal.

SUPPORTING DOCUMENTS

S.No.	Documents description	Document Link
1.	Annual Reports	<u>View Document</u>
2.	Link for additional information	<u>View Document</u>



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-01		DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377	
Client Ref. /Date	Letter Dated: 03.12.2022	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type: Design Mix Required for M10 Grade	
Purpose of the work	For Construction Site.	
Type of Test	Concrete – Mix Design	

Test Data for Materials:

Grade Designation	M10	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	220 kg (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.60 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	50 mm	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	NA	Specific Gravity of Admixture	NA

Mix ratio According to IS 10262: 2019 for M10:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	357	532	1190	0	204
By Volume	1	1.49	3.33	0%	0.35

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal
<p>If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397. Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone : 04324 - 270755, 272155</p>		

Fax : 04324-272

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT	
Report Ref. No: MKCE/CE/2022-23/CTL-02	DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377
Client Ref. /Date	Letter Dated: 03.12.2022
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Type: Design Mix Required for M15 Grade
Purpose of the work	For Construction Site.
Type of Test	Concrete – Mix Design

Test Data for Materials:


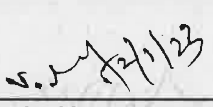


Grade Designation	M15	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	240 kg/m³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.6 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	75 mm Slump	Sieve Analysis for fine Aggregate	Zone II Confirming to IS: 383
Grade Designation	M15	Specific Gravity of Cement	3.15 (Test IS: 2720)

Mix ratio According to IS 10262: 2019 for M15:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Water
By Weight (kg/m ³)	337	674	1120	197
By Volume	1	2	3.32	0.57

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-03		DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaitthottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377	
Client Ref. /Date	Letter Dated: 03.12.2022	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type: Design Mix Required for M20 Grade	
Purpose of the work	For Construction Site.	
Type of Test	Concrete – Mix Design	

Test Data for Materials:

Grade Designation	M20	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	300 kg/m ³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.55 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	75 mm	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Grade Designation	M20	Specific Gravity of Cement	3.15 (Test IS: 2720)

Mix ratio According to IS 10262: 2019 for M20:

	Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Water
By Weight (kg/m ³)		383	753	1065	197
By Volume		1	1.97	2.78	0.50

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-04

DATE: 02.01.2023

Client Details
Ramakrishna Poultry Farm,
79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113
Email: Chairmanmkce@gmail.com
Mobile: 9842498377

Client Ref. /Date
Letter Dated: 03.12.2022

Report Handover to
Ramakrishna Poultry Farm

Sample Details
Type: Design Mix Required for M25 Grade

Purpose of the work
For Construction Site.

Type of Test
Concrete – Mix Design

Test Data for Materials:

Grade Designation	M25	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	Chettinad OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	300 kg/m ³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.50 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	100 mm (For RCC Work)	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	Superplasticizer (Fosroc Conplast SP 430)	Specific Gravity of Admixture	1.145

Mix ratio According to IS 10262: 2019 for M25:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	315	781	1198	3.15	142
By Volume	1	2.47	3.80	1 %	0.45

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil
Verified by – HoD/Civil
Approved by – Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-05		DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377	
Client Ref. /Date	Letter Dated: 03.12.2022	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type: Design Mix Required for M30 Grade	
Purpose of the work	For Construction Site.	
Type of Test	Concrete – Mix Design	

Test Data for Materials:

Grade Designation	M30	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	Chettinad OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	320 kg/m ³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.45 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	125 mm (For RCC Work)	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	Superplasticizer (Fosroc Conplast SP 430)	Specific Gravity of Admixture	1.145

Mix ratio According to IS 10262: 2019 for M30:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	374	734	1185	3.74	146
By Volume	1	1.96	3.17	1 %	0.39

NOTE:

This report is given to the client based on the samples provided by them.

Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397. Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone : 04324 - 270755, 272155		 Fax: 04324-272457 Seal www.mkce.ac.in



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/HEL-01

DATE: 02.01.2023

Client Details
Ramakrishna Poultry Farm,
79, Main Road, Thalavapalayam, Punjaitthotkurichi, Karur – 639113
Email: Chairmanmkce@gmail.com
Mobile: 9842498377

Client Ref. /Date
Letter Dated: 03.12.2022

Report Handover to
Ramakrishna Poultry Farm

Sample Details
Coarse Aggregate (20 mm)

Source
Sri Ramakrishna Blue Metals, Erode.

Purpose of the work
Building Construction

Type of Test
Sieve Analysis (Fineness Modulus), Specific Gravity, Impact Value, Crushing strength, Abrasion Value.

RESULT:

Coarse Aggregate 20 mm:

S. No.	Test	Trial 1	Trial 2	Limiting Value	Remarks
1	Fineness	5.72	5.76	5.5 – 8.0	The given sample is suitable for construction works.
2	Specific Gravity	2.48	2.62	2.5 – 3.0	
3	Impact Value	18.74 %	16.36 %	20 %	
4	Crushing Value	22.86 %	19.58 %	30 %	
5	Abrasion Value	14.26%	12.9 %	30 %	

***All the tests are performed based on IS: 2386 & IS: 383 codal provisions and specifications.**

NOTE:

This report is given to the client based on the samples provided by them.

**Tested by – Mr. G.Balaji,
AP/Civil**

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/HEL-02

DATE: 02.01.2023

Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377
Client Ref. /Date	Letter Dated: 03.12.2022
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Coarse Aggregate (20 mm)
Source	Geco Crusher, Erode.
Purpose of the work	Building Construction
Type of Test	Sieve Analysis (Fineness Modulus), Specific Gravity, Impact Value, Crushing strength, Abrasion Value.

RESULT:

Coarse Aggregate 20 mm:

S. No.	Test	Trial 1	Trial 2	Limiting Value	Remarks
1	Fineness	5.72	5.72	5.5 – 8.0	The given sample is suitable for construction works.
2	Specific Gravity	2.52	2.56	2.5 – 3.0	
3	Impact Value	18.52 %	18.16 %	20 %	
4	Crushing Value	21.42 %	21.84 %	30 %	
5	Abrasion Value	15.32%	14.56 %	30 %	

*All the tests are performed based on IS: 2386 & IS: 383 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

G. Balaji
21/1/23

**Tested by – Mr. G. Balaji,
AP/Civil**

[Signature]
21/1/23

Verified by – HoD/Civil

[Signature]

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-01

DATE: 02.01.2023

Client Details

Ramakrishna Poultry Farm,
79, Main road, Thalavapalayam, Punjaithottakurichi, Karur.
E-mail: chairmanmkce@gmail.com, Mobile: 9842498377

Client Ref. /Date

Letter Dated: 03.12.2022

Report Handover to

Ramakrishna Poultry Farm

Sample Details

Soil Sample

Purpose of the work

For Building Construction.

Type of Test

Direct Shear Test

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.38
2	1.00	0.69
3	1.50	1.19
Results from Graph		
1	Angle of Internal Friction F°	36.00
2	Cohesion C Kg/Cm ²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is 247 kN/m²

*All the tests are performed based on IS: 2720 Part-13: 2009 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

(Signature)
21/1/23

Tested by – Mr. S. Ramkumar,
AP/Civil

(Signature)
21/1/23

Verified by – HoD/Civil

(Signature)

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-02

DATE: 02.01.2023

Client Details

Ramakrishna Poultry Farm,
79, Main road, Thalavapalayam, Punjaithottakurichi, Karur,
E-mail: chairmanmkce@gmail.com, Mobile: 9842498377

Client Ref. /Date

Letter Dated: 03.12.2022

Report Handover to

Ramakrishna Poultry Farm

Sample Details

Soil Sample

Purpose of the work

For Building Construction.

Type of Test

Direct Shear Test

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.36
2	1.00	0.66
3	1.50	1.15
Results from Graph		
1	Angle of Internal Friction F^o	34.00
2	Cohesion C Kg/Cm²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is **245 kN/m²**

***All the tests are preformed based on IS: 2720 Part-13: 2009 codal provisions and specifications.**

NOTE:

This report is given to the client based on the samples provided by them.

(Signature)
21/12/22

Tested by – Mr. S. Ramkumar,
AP/Civil

(Signature)
21/1/23

Verified by – HoD/Civil

(Signature)

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-03

DATE: 02.01.2023

Client Details

Ramakrishna Poultry Farm,
79, Main road, Thalavapalayam, Punjaithottakurichi, Karur.
E-mail: chairmanmkce@gmail.com, Mobile: 9842498377

Client Ref. /Date

Letter Dated: 03.12.2022

Report Handover to

Ramakrishna Poultry Farm

Sample Details

Soil Sample

Purpose of the work

For Building Construction.

Type of Test

Direct Shear Test

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.39
2	1.00	0.69
3	1.50	1.19
Results from Graph		
1	Angle of Internal Friction F°	36.00
2	Cohesion C Kg/Cm ²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is 247 kN/m²

*All the tests are performed based on IS: 2720 Part-13: 2009 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. S. Ramkumar,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-04

DATE: 02.01.2023

Client Details

Ramakrishna Poultry Farm,
79, Main road, Thalavapalayam, Punjaithottakurichi, Karur.
E-mail: chairmanmkce@gmail.com, Mobile: 9842498377

Client Ref. /Date

Letter Dated: 03.12.2022

Report Handover to

Ramakrishna Poultry Farm

Sample Details

Soil Sample

Purpose of the work

For Building Construction.

Type of Test

Direct Shear Test

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.38
2	1.00	0.67
3	1.50	1.24
Results from Graph		
1	Angle of Internal Friction F ^o	38.00
2	Cohesion C Kg/Cm ²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is **251 kN/m²**

***All the tests are performed based on IS: 2720 Part-13: 2009 codal provisions and specifications.**

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. S. Ramkumar,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





DEPARTMENT OF CIVIL ENGINEERING

Report Ref. No: MKCE/CE/2022-23/CTL-01

Date: 02.01.2023

DISTANCE CERTIFICATE

Details:

Ramakrishna Poultry farm,
79,Main Road, Thalavapalayam,
Punnjaithottakurichi,
Karur - 639113
E-mail: chairmanmkce@gmail.com , Mobile: 9842498377

Aim of the Work: To find the shortest radial distance from RAMAKRISHNA POULTRY FARM to Cauvery River by taking observation at different locations along the Cauvery river Global Positioning System – GARMIN instrument.

Date of Survey : 02.01.2023

Survey Location : GPS Survey was conducted between at site belonging to RAMAKRISHNA POULTRY FARM and locations along the Cauvery River.





The distance survey details given in the following table:

Dying Division:

S.No.	Location	Lattitude	Longitude	Shortest Distance to Cauvery River
1	RPF	11°6.356' N	78°11.633' E	3530 m

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. P. Mukesh, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



MKCE CONSULTANCY SERVICES

TEST REPORT			
Report Ref. No: MKCE/CE/2022-23/EL 01		DATE:	02.01.2023
Client Details		Ramakrishana Poultry Farm, 79, Main Road, Thalavapalayam, Punjaitthottakurichi Karur - 639113. Email: chairmanmkce@gmail.com Mobile No: 9842498377.	
Client Ref. /Date:	28.12.2022	Letter Dated:	02.12.2022
Sample Collected date	28.12.2022	Sample received date	28.12.2022
Report Handover to		Ramakrishana Poultry Farm 79, Main Road, Thalavapalayam, Punjaitthottakurichi Karur - 639113. Email: chairmanmkce@gmail.com Mobile No: 9842498377	
Purpose of the Work		Water testing for construction	
Qty. of sample	1 litre	Test commenced on:	29.12.2022
Sample Location	Karur	Test completed on:	02.01.2023



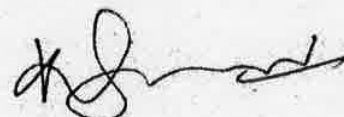

RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012 and IS 456:2000
1	Total Dissolved Solids	mg/L	IS 3025 : Part 16	1100	500
2	Total Suspended Solids	mg/L	IS 3025 : Part 17	420	2000
3	Organic Solids	mg/L	IS 3025 : Part 18	520	200
4	Inorganic Solids	mg/L	IS 3025 : Part 18	1550	3000
5	Chloride	mg/L	IS 3025 : Part 32	360	500 for RCC & 2000 for PCC
6	Sulphate	mg/L	IS 3025 : Part 24	525	400

REMARKS: The Collected water sample characteristics are suitable for construction. Since TDS, Organic Solids and sulphates are beyond the permissible limit it requires dilution with fresh water for curing and construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by- Dr.S.Sethuraman AP/Civil	 Verified By - HoD/ Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397		



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2515 Date : 29/03/2023
Rec No. : 801/22-23 Account : COLLEGE A/C
Payee Name : **RAMAKRISHNA POULTRY PRIVATE LIMITED**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUNSLTANCY FEES DD No. : 063231	61000.00
	Total Amount	61000.00

29/03/2023 9:41:52 AM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/12/2022

CLIENT DETAILS

Name of the Client	Ramakrishna poultry farm,
Address of the Client	79, Main road, Thalavapalayam, Karur. 639 113.
Mobile No.	9872498377
Email ID	chairman mkce@gmail.com.

SAMPLE DETAILS

Type of Sample given	Concrete mix, Soil, Water, Aggregate test (complete), land measurement
No. of. Sample given	-
Name of the Test Requested	Mix design, water test, SBC, aggregate test (complete) Distance Survey
Purpose of Testing	For site work.
Test Report Hand over to	Ramakrishna poultry farm,

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/We S. Saravanan declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs 61,000/-
Consultancy In-Charge	<u>[Signature]</u> 2/12/22
HoD/Civil	<u>[Signature]</u> 2/12/22

Consolidation

1) CT lab - 15000/-

2) H/W lab - 10000/-

3) Survey lab - 10000/-

4) Soil lab - 20000/-

5) EE lab - 6000/-

61,000



S. J. V.
21/12/22



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-06		DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377	
Client Ref. /Date	Letter Dated: 15.02.2023	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type: Design Mix Required for M10 Grade	
Purpose of the work	For Construction Site.	
Type of Test	Concrete – Mix Design	

Test Data for Materials:

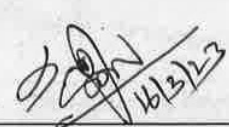
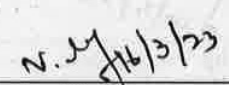

Grade Designation	M10	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	220 kg (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.60 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	50 mm	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	NA	Specific Gravity of Admixture	NA

Mix ratio According to IS 10262: 2019 for M10:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	351	526	1180	0	204
By Volume	1	1.45	3.30	0%	0.35

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

Thalavapalayam, Karur, Tamilnadu, India - 639113. Phone : 04324 - 270755, 272155

Fax : 04324-272457



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**MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING****TEST REPORT**

Report Ref. No: MKCE/CE/2022-23/CTL-07		DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377	
Client Ref. /Date	Letter Dated: 15.02.2023	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type: Design Mix Required for M15 Grade	
Purpose of the work	For Construction Site.	
Type of Test	Concrete – Mix Design	

Test Data for Materials:


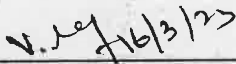
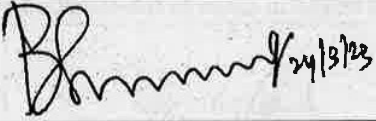
Grade Designation	M15	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	240 kg/m ³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.6 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	75 mm Slump	Sieve Analysis for fine Aggregate	Zone II Confirming to IS: 383
Grade Designation	M15	Specific Gravity of Cement	3.15 (Test IS: 2720)

Mix ratio According to IS 10262: 2019 for M15:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Water
By Weight (kg/m ³)	340	681	1150	204
By Volume	1	2.02	3.38	0.60

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

Seal

**MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING****TEST REPORT**

Report Ref. No: MKCE/CE/2022-23/CTL-08	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377
Client Ref. /Date	Letter Dated: 15.02.2023
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Type: Design Mix Required for M20 Grade
Purpose of the work	For Construction Site.
Type of Test	Concrete – Mix Design

Test Data for Materials:

Grade Designation	M20	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	300 kg/m³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.55 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	75 mm	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Grade Designation	M20	Specific Gravity of Cement	3.15 (Test IS: 2720)

Mix ratio According to IS 10262: 2019 for M20:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Water
By Weight (kg/m ³)	393	760	1078	197
By Volume	1	2.01	2.84	0.50

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-09 DATE: 16.03.2023

Client Details
Ramakrishna Poultry Farm,
79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113
Email: Chairmanmkce@gmail.com
Mobile: 9842498377

Client Ref. /Date Letter Dated: 15.02.2023

Report Handover to Ramakrishna Poultry Farm

Sample Details Type: Design Mix Required for M25 Grade

Purpose of the work For Construction Site.

Type of Test Concrete – Mix Design

Test Data for Materials:

Grade Designation	M25	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	Chettinad OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	300 kg/m ³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.50 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	100 mm (For RCC Work)	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	Superplasticizer (Fosroc Conplast SP 430)	Specific Gravity of Admixture	1.145

Mix ratio According to IS 10262: 2019 for M25:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	320	785	1201	3.15	142
By Volume	1	2.49	3.82	1 %	0.45

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil
Verified by – HoD/Civil
Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-10		DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377	
Client Ref. /Date	Letter Dated: 15.02.2023	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type: Design Mix Required for M30 Grade	
Purpose of the work	For Construction Site.	
Type of Test	Concrete – Mix Design	

Test Data for Materials:


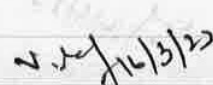
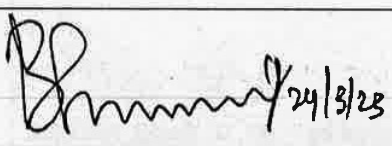
Grade Designation	M30	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	Chettinad OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	320 kg/m³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.45 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	125 mm (For RCC Work)	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	Superplasticizer (Fosroc Conplast SP 430)	Specific Gravity of Admixture	1.145

Mix ratio According to IS 10262: 2019 for M30:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	392	740	1190	3.74	146
By Volume	1	1.98	3.20	1 %	0.39

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact
 Consultancy In-Charge, Department of Civil Engineering.
 Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone : 04324 - 270755, 272155 Fax : 04324-272457 Seal www.mkce.ac.in





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-11 DATE: 16.03.2023

Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377
Client Ref. /Date	Letter Dated: 15.02.2023
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Type of Sample: Cement Grade of Cement: Bharathi Ultra-Fast
Purpose of the work	For Construction Site.
Type of Test	TEST ON CEMENT – Fineness, Consistency, Setting Time and Compressive Strength.

RESULT:

1. Fineness of Cement

Based on the trails the fineness of the given sample is **97%** (Recommended: Not Less than 90% for OPC).

2. Consistency of Cement

Based on the trails the amount (%) of water required to produce a cement paste is **26%** (26 to 33% for OPC).

3. Initial Setting Time of Cement

Based on the trails the initial setting time of the given sample is **21 minutes** (30 minutes for OPC).

4. Final Setting Time of Cement

Based on the trails the final setting time of the given sample is **460 minutes** (600 minutes for OPC).

5. Compressive strength of cement



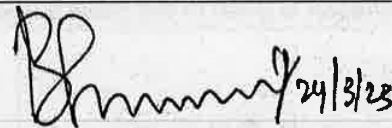
S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	Avg. Compressive strength (N/mm ²)	Remarks
1	Sample A ₁	70.6x70.6x70.6	162	32.50	34.03	Refer the below Table
2	Sample A ₂	70.6x70.6x70.6	178	35.71		
3	Sample A ₃	70.6x70.6x70.6	169	33.90		

Reference:

CEMENT TYPE	IS Codes	COMPRESSIVE STRENGTH (Mpa)		
		3 Days	7 Days	28 Days
OPC(33)	IS 269: 1989	16	22	33
OPC(43)	IS 8112: 1989	23	33	43
OPC(53)	12269: 1987	27	37	53

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-12	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaitthotkurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377
Client Ref. /Date	Letter Dated: 15.02.2023
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Type of Sample: Cement Grade of Cement: RAMCO Supre grade
Purpose of the work	For Construction Site.
Type of Test	TEST ON CEMENT – Fineness, Consistency, Setting Time and Compressive Strength.

RESULTS:

- 1. Fineness of Cement**
Based on the trails the fineness of the given sample is **98%** (Recommended: Not Less than 90% for OPC).
- 2. Consistency of Cement**
Based on the trails the amount (%) of water required to produce a cement paste is **28%** (26 to 33% for OPC).
- 3. Initial Setting Time of Cement**
Based on the trails the initial setting time of the given sample is **28minutes** (30 minutes for OPC).
- 4. Final Setting Time of Cement**
Based on the trails the final setting time of the given sample is **560minutes** (600 minutes for OPC).
- 5. Compressive strength of cement**

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load(kN)	Compression Strength (N/mm ²)	Avg. Compressive strength (N/mm ²)	Remarks
1	Sample A ₁	70.6x70.6x70.6	182	36.51	35.77	Refer the below Table
2	Sample A ₂	70.6x70.6x70.6	175	35.10		
3	Sample A ₃	70.6x70.6x70.6	178	35.70		

Reference:

CEMENT TYPE	IS Codes	COMPRESSIVE STRENGTH (Mpa)		
		3 Days	7 Days	28 Days
OPC(33)	IS 269: 1989	16	22	33
OPC(43)	IS 8112: 1989	23	33	43
OPC(53)	12269: 1987	27	37	53

NOTE:

This report is given to the client based on the samples provided by them.

Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-13 DATE: 16.03.2023

Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377
Client Ref. /Date	Letter Dated: 15.02.2023
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Type of Sample:CementGrade of Cement: Priya Cement
Purpose of the work	For Construction Site.
Type of Test	TEST ON CEMENT – Fineness, Consistency, Setting Time and Compressive Strength.

RESULT:

- 1. Fineness of Cement**
Based on the trails the fineness of the given sample is **97%** (Recommended: Not Less than 90% for OPC).
- 2. Consistency of Cement**
Based on the trails the amount (%) of water required to produce a cement paste is **29%**(26 to 33% for OPC).
- 3. Initial Setting Time of Cement**
Based on the trails the initial setting time of the given sample is **29minutes** (30 minutes for OPC).
- 4. Final Setting Time of Cement**
Based on the trails the final setting time of the given sample is **565minutes** (600 minutes for OPC).
- 5. Compressive strength of cement**

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load(kN)	Compression Strength (N/mm ²)	Avg. Compressive strength (N/mm ²)	Remarks
1	Sample A ₁	70.6x70.6x70.6	167	33.50	33.77	Refer the below Table
2	Sample A ₂	70.6x70.6x70.6	170	34.11		
3	Sample A ₃	70.6x70.6x70.6	168	33.71		

Reference:

CEMENT TYPE	IS Codes	COMPRESSIVE STRENGTH (Mpa)		
		3 Days	7 Days	28 Days
OPC(33)	IS 269: 1989	16	22	33
OPC(43)	IS 8112: 1989	23	33	43
OPC(53)	12269: 1987	27	37	53

NOTE:

This report is given to the client based on the samples provided by them.

--	--	--

Tested by – **Mr. G. Balaji, AP/Civil** Verified by – **HoD/Civil** Approved by - **Principal**

If you require any clarification, please contact
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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-14		DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjalhottakurichi, Karur – 639113 Email: Chairmankce@gmail.com Mobile: 9842498377	
Client Ref. /Date	Letter Dated: 15.02.2023	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type of Sample: Cement	Grade of Cement: Dalmia
Purpose of the work	For Construction Site.	
Type of Test	TEST ON CEMENT – Fineness, Consistency, Setting Time and Compressive Strength.	

RESULT:

- 1. Fineness of Cement**
Based on the trails the fineness of the given sample is **98%** (Recommended: Not Less than 90% for OPC).
- 2. Consistency of Cement**
Based on the trails the amount (%) of water required to produce a cement paste is **28%**(26 to 33% for OPC).
- 3. Initial Setting Time of Cement**
Based on the trails the initial setting time of the given sample is **29minutes** (30 minutes for OPC).
- 4. Final Setting Time of Cement**
Based on the trails the final setting time of the given sample is **560minutes** (600 minutes for OPC).
- 5. Compressive strength of cement**

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load(kN)	Compression Strength (N/mm ²)	Avg. Compressive strength (N/mm ²)	Remarks
1	Sample A ₁	70.6x70.6x70.6	178	35.71	36.78	Refer the below Table
2	Sample A ₂	70.6x70.6x70.6	184	36.92		
3	Sample A ₃	70.6x70.6x70.6	188	37.72		

Reference:

CEMENT TYPE	IS Codes	COMPRESSIVE STRENGTH (Mpa)		
		3 Days	7 Days	28 Days
OPC(33)	IS 269: 1989	16	22	33
OPC(43)	IS 8112: 1989	23	33	43
OPC(53)	12269: 1987	27	37	53

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/CTL-15

DATE: 16.03.2023

Client Details
Ramakrishna Poultry Farm,
79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113
Email: Chairmanmkce@gmail.com
Mobile: 9842498377

Client Ref. /Date
Letter Dated: 15.02.2023

Report Handover to
Ramakrishna Poultry Farm

Sample Details
Type of Sample: Cement Grade of Cement: Ambuja

Purpose of the work
For Construction Site.

Type of Test
TEST ON CEMENT – Fineness, Consistency, Setting Time and Compressive Strength.

RESULT:

- 1. Fineness of Cement**
Based on the trails the fineness of the given sample is **96%** (Recommended: Not Less than 90% for OPC).
- 2. Consistency of Cement**
Based on the trails the amount (%) of water required to produce a cement paste is **30%**(26 to 33% for OPC).
- 3. Initial Setting Time of Cement**
Based on the trails the initial setting time of the given sample is **31minutes** (30 minutes for OPC).
- 4. Final Setting Time of Cement**
Based on the trails the final setting time of the given sample is **581minutes** (600 minutes for OPC).
- 5. Compressive strength of cement**

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load(kN)	Compression Strength (N/mm ²)	Avg. Compressive strength (N/mm ²)	Remarks
1	Sample A ₁	70.6x70.6x70.6	150	30.09	29.56	Refer the below Table
2	Sample A ₂	70.6x70.6x70.6	148	29.69		
3	Sample A ₃	70.6x70.6x70.6	144	28.89		

Reference:

CEMENT TYPE	IS Codes	COMPRESSIVE STRENGTH (Mpa)		
		3 Days	7 Days	28 Days
OPC(33)	IS 269: 1989	16	22	33
OPC(43)	IS 8112: 1989	23	33	43
OPC(53)	12269: 1987	27	37	53

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
<p>If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.</p>		



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/HEL-04

DATE: 16.03.2023

Client Details
Ramakrishna Poultry Farm,
79, Main Road, Thalavapalayam, Punjaitthotkurichi, Karur – 639113
Email: Chairmanmkce@gmail.com
Mobile: 9842498377

Client Ref. /Date
Letter Dated: 15.02.2023

Report Handover to
Ramakrishna Poultry Farm

Sample Details
Coarse Aggregate (20 mm)

Source
VRG Blue Metal, Karur

Purpose of the work
Building Construction

Type of Test
Sieve Analysis (Fineness Modulus), Specific Gravity, Impact Value, Crushing strength, Abrasion Value.

RESULT:

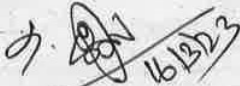
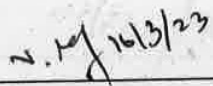

Coarse Aggregate 20 mm:

S. No.	Test	Trial 1	Trial 2	Limiting Value	Remarks
1	Fineness	5.72	5.72	5.5 – 8.0	The given sample is suitable for construction works.
2	Specific Gravity	2.52	2.56	2.5 – 3.0	
3	Impact Value	18.52 %	18.16 %	20 %	
4	Crushing Value	21.42 %	21.84 %	30 %	
5	Abrasion Value	15.32%	14.56 %	30 %	

*All the tests are performed based on IS: 2386 & IS: 383 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT	
Report Ref. No: MKCE/CE/2022-23/HEL-03	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottakurichi, Karur – 639113 Email: Chairmanmkce@gmail.com Mobile: 9842498377
Client Ref. /Date	Letter Dated: 15.02.2023
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Coarse Aggregate (20 mm)
Source	Thirumalai Bluemetals, karur.
Purpose of the work	Building Construction
Type of Test	Sieve Analysis (Fineness Modulus), Specific Gravity, Impact Value, Crushing strength, Abrasion Value.

RESULT:

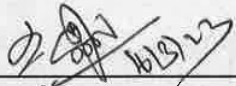


Coarse Aggregate 20 mm:

S. No.	Test	Trial 1	Trial 2	Limiting Value	Remarks
1	Fineness	5.83	5.70	5.5 – 8.0	The given sample is suitable for construction works.
2	Specific Gravity	2.50	2.71	2.5 – 3.0	
3	Impact Value	18.75 %	16.26%	20 %	
4	Crushing Value	22.76 %	19.40 %	30 %	
5	Abrasion Value	14.10%	12.90%	30 %	

*All the tests are preformed based on IS: 2386 & IS: 383 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

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Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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Thalavapalayam, Karur - 639 113.

DEPARTMENT OF CIVIL ENGINEERING

Report Ref. No: MKCE/CE/2022-23/CTL-02

Date: 16.03.2023

DISTANCE CERTIFICATE

Details:

Ramakrishna Poultry farm,
79, Main Road, Thalavapalayam,
Punnjaithottakurichi,
Karur - 639113

E-mail: chairmanmkce@gmail.com , Mobile: 9842498377

Aim of the Work: To find the shortest radial distance from RAMAKRISHNA POULTRY FARM to Cauvery River by taking observation at different locations along the Cauvery river Global Positioning System - GARMIN instrument.

Date of Survey : 16.03.2023

Survey Location : GPS Survey was conducted between at site belonging to RAMAKRISHNA POULTRY FARM and locations along the Cauvery River.


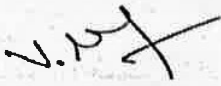


The distance survey details given in the following table:

Dying Division:

S.No.	Location	Latitude	Longitude	Shortest Distance to Cauvery River
1	RPF, Koppampalayam	11°4.356' N	78°10.633' E	2240 m

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by - Mr. P. Mukesh, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



TEST REPORT			
Report Ref. No: MKCE/CE/2022-23/EL 02		DATE:	16.03.2023
Client Details		Ramakrishana Poultry Farm, 79, Main Road, Thalavapalayam, Punjaitthottakurichi Karur - 639113. Email: chairmanmkce@gmail.com Mobile No: 9842498377.	
Client Ref. /Date:	10.03.2023	Letter Dated:	15.02.2023
Sample Collected date	10.03.2023	Sample received date	10.03.2023
Report Handover to		Ramakrishana Poultry Farm 79, Main Road, Thalavapalayam, Punjaitthottakurichi Karur - 639113. Email: chairmanmkce@gmail.com Mobile No: 9842498377	
Purpose of the Work		Water testing for construction	
Qty. of sample	1 litre	Test commenced on:	14.03.2023
Sample Location	Karur	Test completed on:	16.03.2023

RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012 and IS 456:2000
1	Total Dissolved Solids	mg/L	IS 3025 : Part 16	1250	500
2	Total Suspended Solids	mg/L	IS 3025 : Part 17	515	2000
3	Organic Solids	mg/L	IS 3025 : Part 18	400	200
4	Inorganic Solids	mg/L	IS 3025 : Part 18	1250	3000
5	Chloride	mg/L	IS 3025 : Part 32	400	500 for RCC & 2000 for PCC
6	Sulphate	mg/L	IS 3025 : Part 24	450	400

REMARKS: The Collected water sample characteristics are suitable for construction. Since TDS, Organic Solids and sulphates are beyond the permissible limit it requires dilution with fresh water for curing and construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by- Dr.S.Sethuraman AP/Civil	Verified By - HoD/ Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397		



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-05

DATE: 24.03.2023

Client Details

Ramakrishna Poultry Farm,
79, Main road, Thalavapalayam, Punjaithottakurichi, Karur.
E-mail: chairmanmkce@gmail.com, Mobile: 9842498377

Client Ref. /Date

Letter Dated: 15.02.2023

Report Handover to

Ramakrishna Poultry Farm

Sample Details

Soil Sample

Purpose of the work

For Building Construction.

Type of Test

Direct Shear Test

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.38
2	1.00	0.69
3	1.50	1.19
Results from Graph		
1	Angle of Internal Friction F ^o	36.00
2	Cohesion C Kg/Cm ²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is **247 kN/m²**

*All the tests are performed based on IS: 2720 Part-13: 2009 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

(Signature)
24/3/23

(Signature)
24/3/23

(Signature)
24/3/23

Tested by – Mr. S. Ramkumar,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-06

DATE: 24.03.2023

Client Details

Ramakrishna Poultry Farm,
79, Main road, Thalavapalayam, Punjaithottakurichi, Karur.
E-mail: chairmanmkce@gmail.com, Mobile: 9842498377

Client Ref. /Date

Letter Dated: 15.02.2023

Report Handover to

Ramakrishna Poultry Farm

Sample Details

Soil Sample

Purpose of the work

For Building Construction.

Type of Test

Direct Shear Test

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.36
2	1.00	0.66
3	1.50	1.15
Results from Graph		
1	Angle of Internal Friction F^o	34.00
2	Cohesion C Kg/Cm²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is **245 kN/m²**

***All the tests are performed based on IS: 2720 Part-13: 2009 codal provisions and specifications.**

NOTE:

This report is given to the client based on the samples provided by them.

Signature
24/3/23

Tested by – Mr. S. Ramkumar,
AP/Civil

Signature
24/3/23

Verified by – HoD/Civil

Signature
24/3/23

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-07 DATE: 24.03.2023

Client Details **Ramakrishna Poultry Farm,**
79, Main road, Thalavapalayam, Punjaithottakurichi, Karur.
E-mail: chairmanmkce@gmail.com, Mobile: 9842498377

Client Ref. /Date Letter Dated: 15.02.2023

Report Handover to **Ramakrishna Poultry Farm**

Sample Details Soil Sample

Purpose of the work For Building Construction.

Type of Test **Direct Shear Test**

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.39
2	1.00	0.69
3	1.50	1.19
Results from Graph		
1	Angle of Internal Friction F ^o	36.00
2	Cohesion C Kg/Cm ²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is **247 kN/m²**

***All the tests are preformed based on IS: 2720 Part-13: 2009 codal provisions and specifications.**

NOTE:

This report is given to the client based on the samples provided by them.

S. Ramkumar
24/3/23

Tested by – Mr. S. Ramkumar,
AP/Civil

V. S. Jeyaraj
24/3/23

Verified by – HoD/Civil

R. Prasad
24/3/23

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/SL-08

DATE: 24.03.2023

Client Details	Ramakrishna Poultry Farm, 79, Main road, Thalavapalayam, Punjaithottakurichi, Karur. E-mail: chairmanmkce@gmail.com, Mobile: 9842498377
Client Ref. /Date	Letter Dated: 15.02.2023
Report Handover to	Ramakrishna Poultry Farm
Sample Details	Soil Sample
Purpose of the work	For Building Construction.
Type of Test	Direct Shear Test

Test Results:

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.38
2	1.00	0.67
3	1.50	1.24
Results from Graph		
1	Angle of Internal Friction F ^o	38.00
2	Cohesion C Kg/Cm ²	0

Result:

The Safe Bearing Capacity (SBC) of Soil is **251 kN/m²**

***All the tests are preformed based on IS: 2720 Part-13: 2009 codal provisions and specifications.**

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. S. Ramkumar, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
<p>If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.</p>		



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2525 Date : 29/03/2023
Rec o. : 811/22-23 Account : COLLEGE A/C
Payee Name : **RAMAKRISHNA POULTRY FORM**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUNSLTANCY FEES DD No. : 000489	78500.00
	Total Amount	78500.00

29/03/2023 9:49:36 AM

Cashier - GAUTHAMAN



M.KUMARASAMY

COLLEGE OF ENGINEERING

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Thalavapalayam, Karur - 639 113.

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 15/02/23

CLIENT DETAILS

Name of the Client	Ramakrishna Poultry Farm,
Address of the Client	79, Main road, Thalavapalayam, Karur. 639113
Mobile No.	9842498377
Email ID	chairmanmkce@gmail.com

SAMPLE DETAILS

Type of Sample given	Cement, Soil, water, land survey, concrete Mix
No. of. Sample given	-
Name of the Test Requested	Cement Test (complete), SBC, survey (land measurement), mix design, water test.
Purpose of Testing	For site work
Test Report Hand over to	Ramakrishna Poultry Farm.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We S. Saravanan declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature S. Saravanan

Consultancy Charges	Rs. 78,500/-		
Consultancy In-Charge	<u>S. Saravanan</u> 15/2/23	HoD/Civil	<u>S. Saravanan</u> 15/2/23

Constidation

1) CT lab - 22500/-

2) H/W lab - 15000/-

3) Survey lab - 15000/-

4) Soil lab - 20000/-

5) EE lab - 6000/-

78,500/-

[Signature]
15/2/23





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AICTE Approval No. 737-53-004(NDGE)/97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/151

DATE: 06.06.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 02.06.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 25.05.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.06.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **7 days** as mentioned by the client

Purpose of the work

Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample E ₁	150x150x150	8.565	525	23.33	77.78	24.11
2	Sample E ₂	150x150x150	8.440	560	24.89	82.96	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil

Verified by – HoD/Civil

Approved by – Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





M. KUMARASAMY

COLLEGE OF ENGINEERING

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ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732/53-004(NUGGE)/97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/150

DATE: 06.06.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 03.06.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 20.05.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.06.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **14 days** as mentioned by the client

Purpose of the work

Tie Beam

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.580	684	30.40	>100	29.09
2	Sample F ₂	150x150x150	8.445	625	27.78	92.59	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Report No: 150 & 151



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 385 Date : 06/06/2023
Rec. No. : 208/23-24 Account : COLLEGE A/C
Payee Name : **New Building**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	600.00
	Total Amount	600.00

06/06/2023 2:42:04 PM

Cashier - NIRMALA K

Report No 150 & 151

MRCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/06/2023

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	-

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2 + 2 (3/6/23)
Name of the Test Requested	CT
Purpose of Testing	for Columns & Tie Beam work
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 600/-			
Consultancy In-Charge	<table border="1"> <tr> <td><u>K. Karthi</u> 3/6/23</td> <td>HoD/Civil</td> <td><u>K. Karthi</u> 3/6/23</td> </tr> </table>	<u>K. Karthi</u> 3/6/23	HoD/Civil	<u>K. Karthi</u> 3/6/23
<u>K. Karthi</u> 3/6/23	HoD/Civil	<u>K. Karthi</u> 3/6/23		



M.K.KUMARASAMY

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AICTE Approval No. 732-53-004(N/DGE) / 97 dt. 22.10.1995



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT– THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/149		DATE: 05.06.2023
Client Details	Mr.K.Kaniraj, Commissioner, Pugalur municipality, Karur (Dt).	
Client Ref. /Date	Ref.No.46/2023/F1; Letter dated: 26.05.2023	
Report Handover to	Mrs.C.Maragathavalli, No.28-A, Avudayarparai village, Kodumudi, Erode (TK), Erode District - 638151.	
Plot Details	Punjai Pugalur (North), SF.No. 221/1A1, Pugalur, Karur.	
Based on the inspection carried out on 02 nd June 2023, 12.15 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report. From the observations the provided amenities are good during the visit.		
 5/6/23	 5/6/23	 5/6/23
Observed by – Dr.S.Sethuraman AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



INSPECTION REPORT

Pugalur municipality Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Punjai Pugalur (North) Village, SF.No. 221/1A1, Pugalur (TK), Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, streetlights, etc. while segregation of land into residential plots in punjai pugalur(North) Village, SF.No. 221/1A1 Pugalur (TK), Karur on 02nd June 2023, 12.15pm.

The area of land having the proposed residential layout is about 1.11 acre(4493sq.m). The proposed plots are 14 and allocated plots is also 14. Fig. 1 shows the approved residential layout.

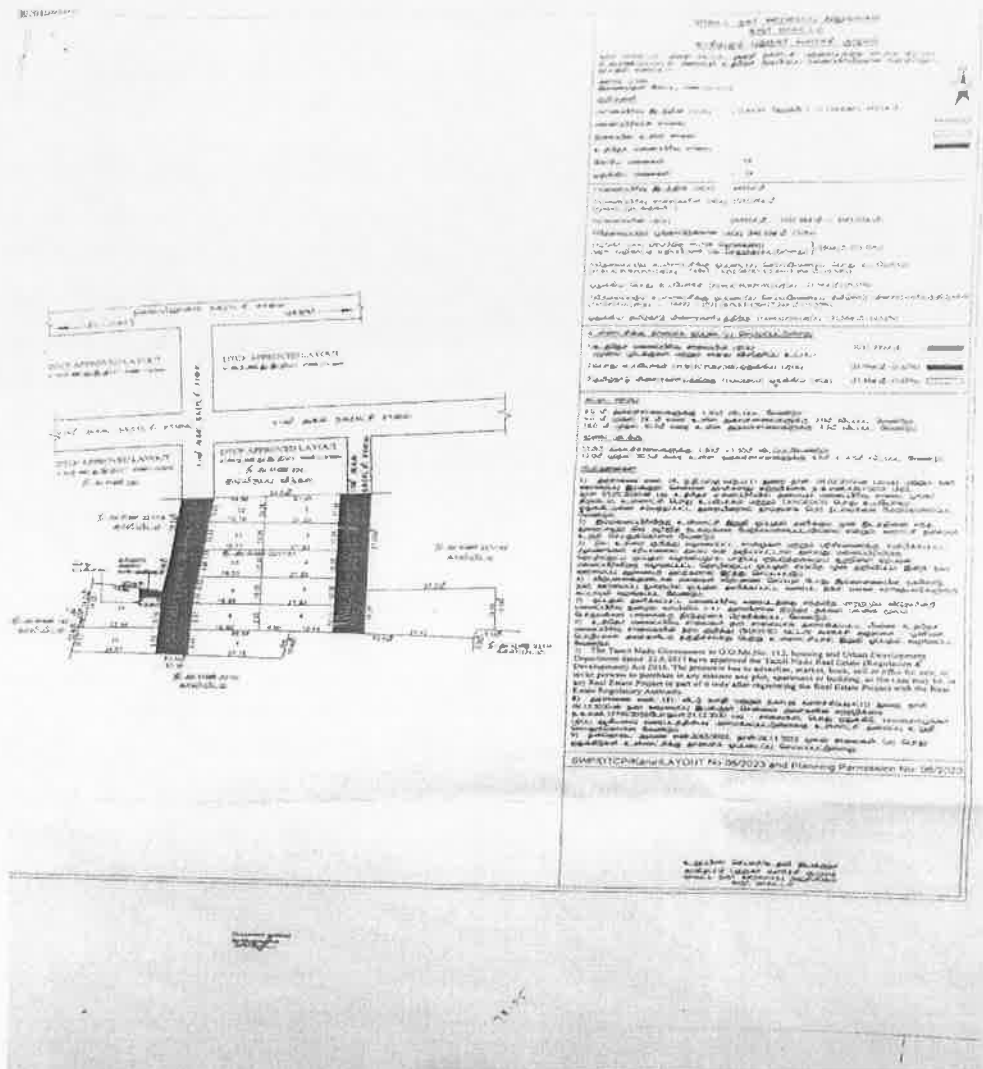


Fig. 1 Approved residential layout



The observations found during the inspection were listed below,

1. Roads

The plot consists of two different types of bituminous concrete roads. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided.

Specifications	Type I	Type II
Width of the road	5.10 m	5.36 m
Formation width/Carriage way	8.80 m	8.87 m
Granular subbase (GSB)	20 cm	20 cm
Wet Mix (WM)	11.9 cm	16.5 cm
Bituminous Concrete (BC)	4.6 cm	4.5cm

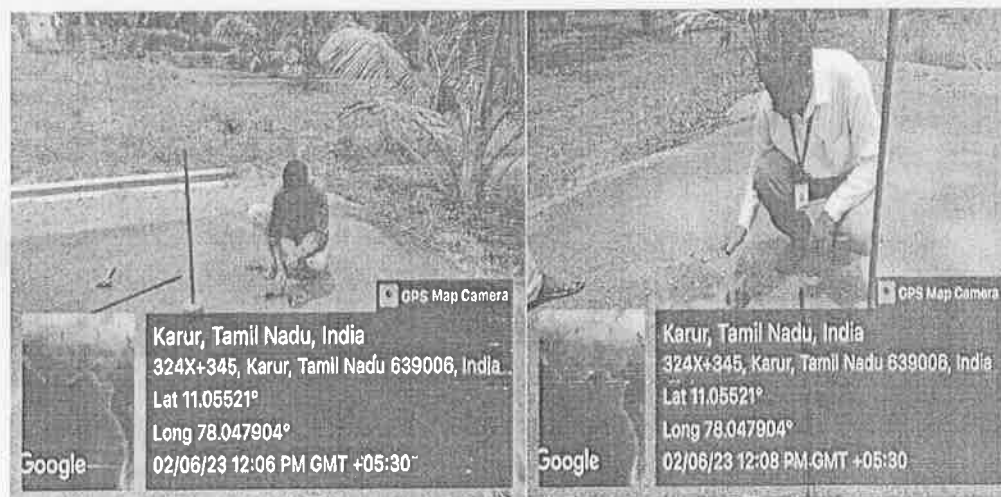


Fig. 2 Road width and cross section measurement

2. Culverts and Storm water drains

Culverts are not provided on the sides of roads. Storm water drains were provided on one side of the roads having an average side wall thickness of 0.25 m, drainage width 0.39m and depth of the drain is about 0.42 m.



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AICTE Approval No. 732-53/00/IND/04/97 dt. 22.10.1999



Fig. 3 Storm water drain measurement.

3. Fencing of park and reserved site

Chain link fencing are provided with size of 115 x 110mm with stone pillars at 5.55 m intervals and the height of the pillar is observed about 2.15 m having size of 100x 95 mm. Reserved site allocated for public utility is 21.94sq.m, park 346.1sq.m and for TANGEDCO is 21.56sq.m as mentioned in the layout.



Fig. 4 Fencing park and reserved site



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4. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

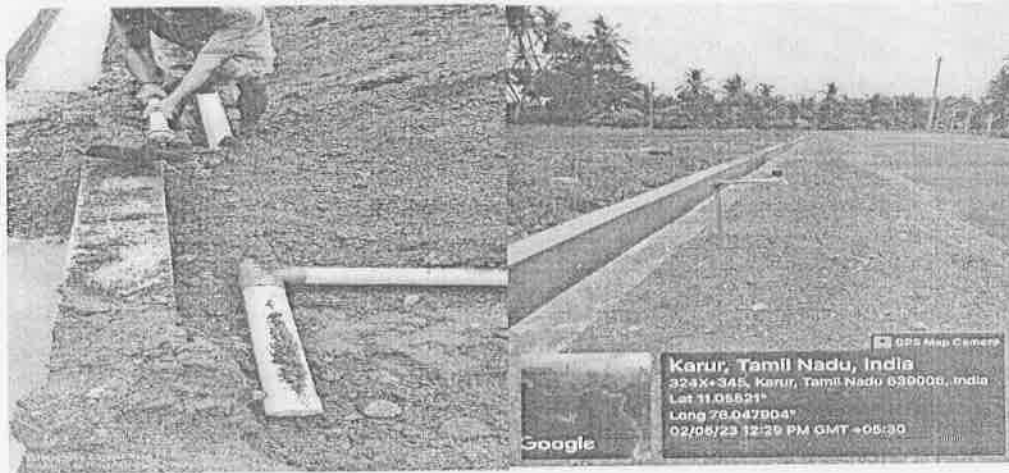


Fig. 5 Water line layout

5. Streetlight

Electric posts were provided on the sides of roads and streetlights were not provided. As enquired to the client for the provisions, they are paid for TNEB connection as well as arrangements made for the provisions for streetlight.

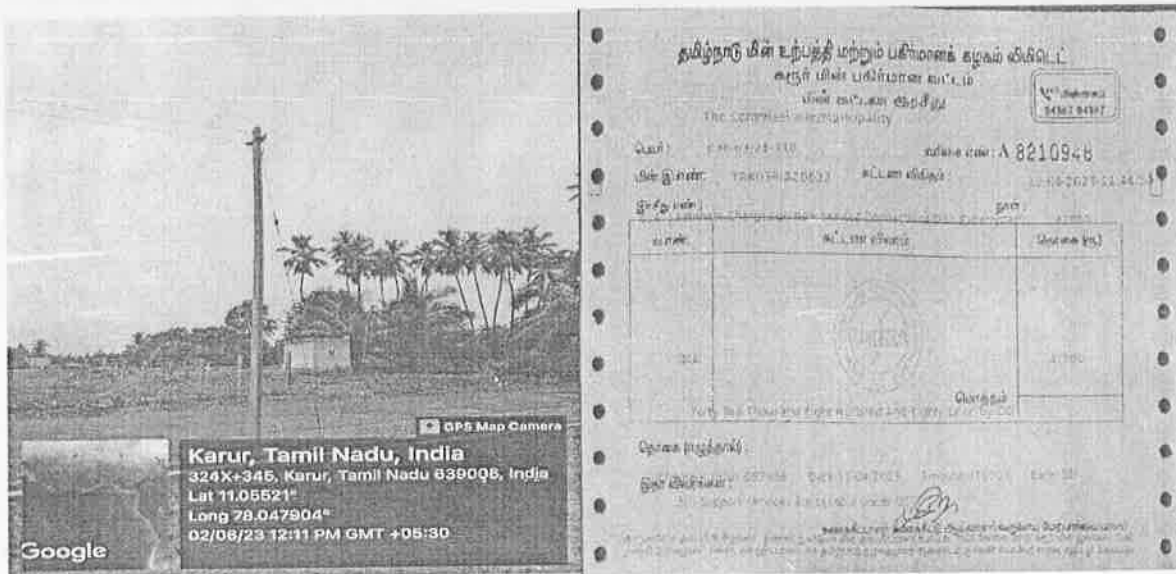


Fig. 6 Receipt for TNEB Connection

S. J. Mani
5/6/23
Prepared by

V. N. S.
5/6/23
Verified by

[Signature]
5/6/23
Approved by



Report No: 149



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 373 Date : 05/06/2023
Rec. No. : 197/23-24 Account : COLLEGE A/
Payee Name : Mr.K.Kaniraj
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection	7000.00
	Total Amount	7000.00

05/06/2023 12:13:36 PM

Cashier - GAUTHAMAN

Report No: 149



M.KUMARASAMY
COLLEGE OF ENGINEERING
M.K.C.E. (Autonomous) Institute
Approved by AICTE, Affiliated to Anna University,
Regulation No. 19, 2008
Thalavapalayam, Karur, Tamilnadu



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 05-06-2023

CLIENT DETAILS

Name of the Client	Mr. K. Karim
Address of the Client	Commissioner Pugadur Municipality Karur Dt
Mobile No.	95979 14011
Email ID	

SAMPLE DETAILS

Type of Sample given	Third Party Inspection request
No. of Sample given	1
Name of the Test Requested	26-05-2023
Purpose of Testing	Third Party Inspection
Test Report Hand over to	Mrs. C. Maragathavalli

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Mrs. C. Maragathavalli declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	7000/-		
Consultancy In-Charge	<u>[Signature]</u>	HoD/Civil	<u>[Signature]</u> 5/6/23



M.KUMARASAMY



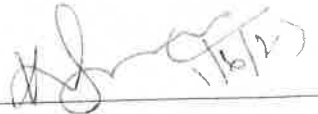

COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

Proposed Residential Layout Third Party Inspection Certificate		
Report Ref. No: MKCE/CE/2022-23/148		DATE: 01.06.2023
Client Details	Mr.A.Balasundhar, Executive Officer, Kannivadi Town Panchayat, Tirupur.	
Client Ref. /Date	Ref.No. 16/2023; Letter Dated:17.05.2023	
Report Handover to	Mr.M.Muhaideen Abdul Kadhar 34, Ansari Street, Karur.	
Plot Details	SF.No: 643/1A 1B, Kannivadi Town Panchayat, Tirupur.	
Based on the inspection carried out on 31stMay 2023, 11.30 a.m. by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.		
		
Report prepared by Mr. R.Dineshkumar, Assistant Professor(Sr.G)/Civil	Verified by HoD/Civil	Approved by Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



Inspection Report

Executive officer, Kannivadi Town Panchayat in his letter cited under reference, had requested a third party inspection certificate for the Proposed Residential Layout at, SF.No: 643/1A 1B, Kannivadi Town Panchayat, Tirupur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, street lights, etc while segregation of land into residential plots in SF.No: 643/1A 1B, Kannivadi Town Panchayat, Tirupur on 31st May 2023, 11.30 a.m.

The area of land having proposed residential layout is about 2.45 acres (9920 sqm). The proposed plots is 33 and allocated plots is also 33.

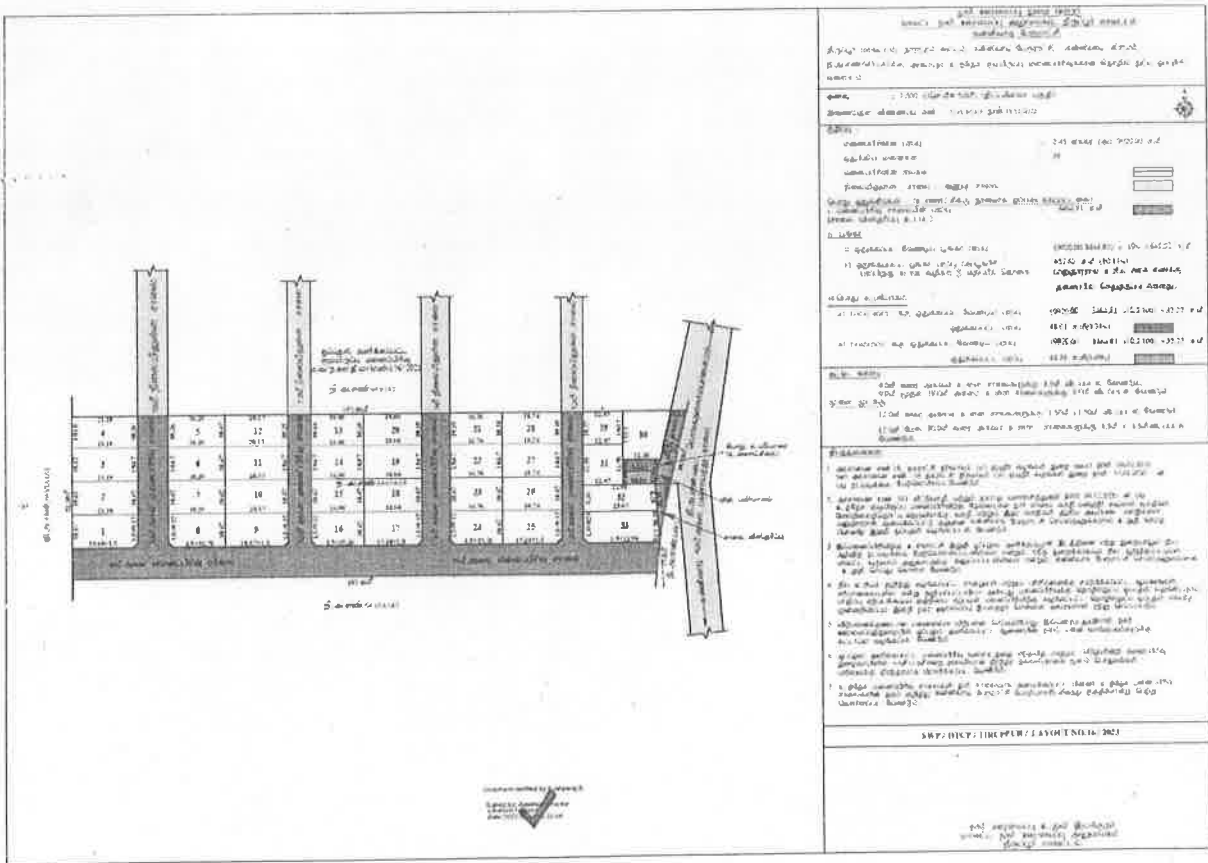


Fig.1 – Approved Residential Layout





The observations found during the inspection were listed below,

1. Roads

The plot consists of three type's of bituminous concrete roads with the specification as mentioned in Table 1.

Table 1. Observations at Roads provided

Particulars	Road 1	Road 2	Road 3
Width of Road	9.57 m	8.56 m	6.77 m
Formation Width / Carriage Way	6.1 m	4.7 m	4.06 m
Granular Sub Base (GSB)	20 cm	20 cm	20 cm
Wet Mix (WM)	9.5 cm	13.2 cm	10 cm
Bituminous Concrete (BC)	3.6 cm	3.9 cm	3.8 cm



Fig. 2 Road cross section Measurement





M.KUMARASAMY

COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

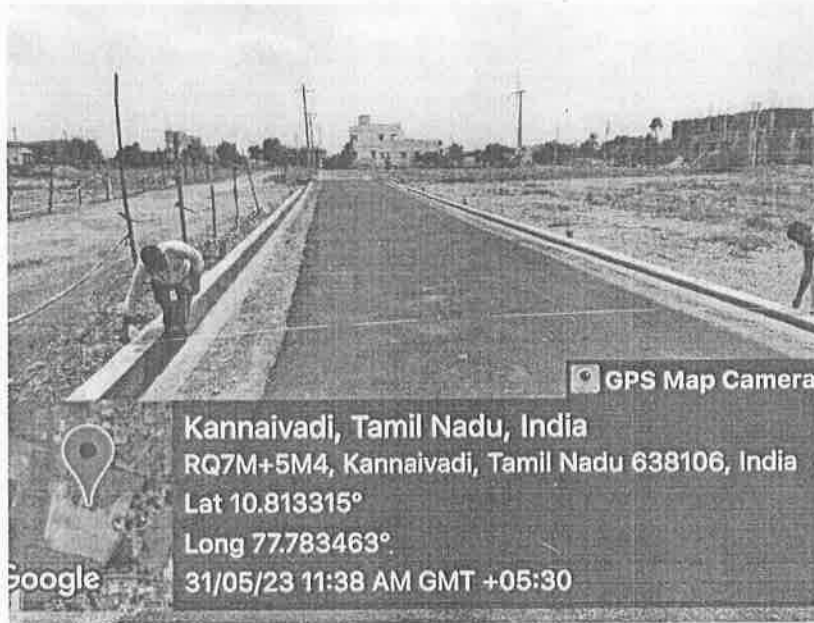


Fig. 3 Road width Measurement

2. Storm Water Drains

Storm water drains were provided on the side of the roads having side wall width 230mm and width of the drainage is about 465mm, depth of the drainage is 430mm.

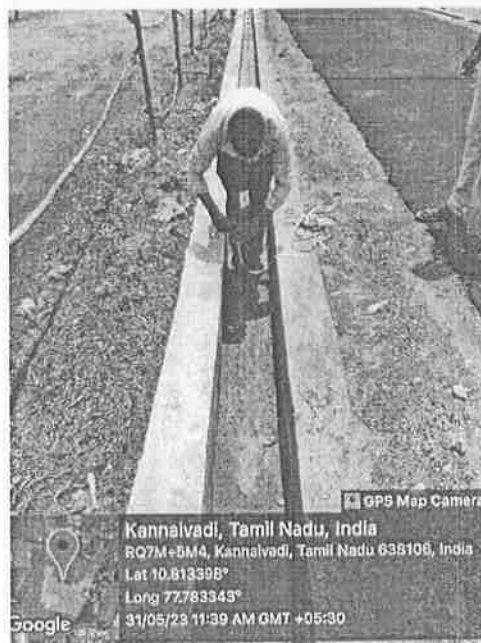


Fig. 4 Storm Water Drains cross section Measurement





3. Culverts

Culverts were provided on the road junctions over the storm water drains having a width of 1.08 m and depth of the culvert slab is found to be 155 mm.

4. Park and Reserved Site

Reserved site allocated for park is 652.62 sqm, public utility is 48.01 sqm and for TANGEDCO is 44.39 sqm as mentioned in the layout.

5. Fence

Diamond fencing of size 0.121 sqm along with stone pillars of 0.2 x 0.1 m and 1.68 m height were provided for the reserved site.

6. Water Supply

Water supply lines were laid and connected with public supply distribution limit.

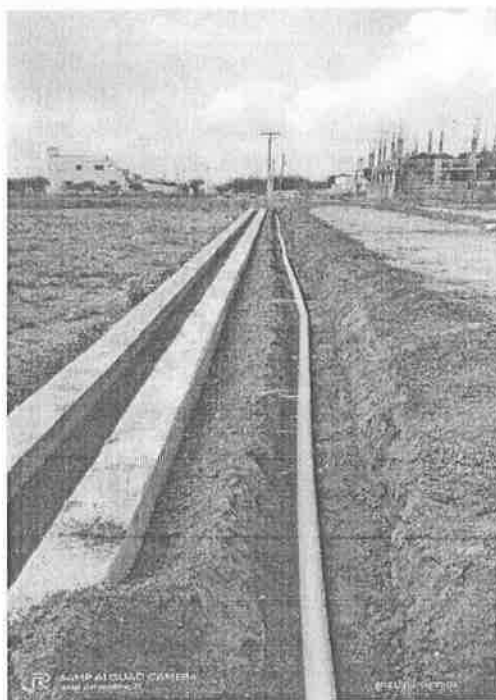


Fig. 4 Water Supply provision





7. Street Light

Street lights were provided on regular intervals on all the roads and were connected to the power grid.



Fig. 5 Street Light provision

Mr. R. Dinesh Kumar
Prepared by

Mr.R.Dineshkumar
(Asst Prof(Sr.G)//Civil)

N. S. J. / 17/4/23
Verified by

Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

[Signature]
Approved by 16/5/23





MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 2/6/2023

CLIENT DETAILS

Name of the Client	Mr. A. Balasundar
Address of the Client	Executive Officer, Kannivadi Town Panchayat, Thirupur
Mobile No.	9043639677
Email ID	

SAMPLE DETAILS

Type of Sample given	Third Party Inspection
No. of Sample given	-
Name of the Test Requested	-
Purpose of Testing	-
Test Report Hand over to	Mr. M. Muhaiideen Abdul Kadhar.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Mr. Muhaiideen Abdul Kadhar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature:

Consultancy Charges	Rs. 7,000/- Seven Thousand only		
Consultancy In-Charge		HoD/Civil	

Report NO. 148



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 361 Date : 02/06/2023
Rec. No. : 186/23-24 Account : COLLEGE /
Payee Name : Mr A Balasundar
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	7000.00
	Total Amount	7000.00

02/06/2023 2:34:18 PM


Cashier - NIRMALA K

அனுப்புதல்
திரு. அ. பாலசுந்தர்,
செயல் அலுவலர்,
கன்னிவாடி பேரூராட்சி
திருப்பூர் மாவட்டம்

பெறுதல்
முதல்வர்,
எம். குமாரசாமி பொறியியல் கல்லூரி,
தளவாபாளையம்,
கரூர் மாவட்டம்

ந.க.எண். 16 /2023

நாள்: 17.05.2023

அய்யா,

பொருள் : மனைப்பிரிவு - பேரூராட்சிகள் நிர்வாகம் - திருப்பூர் மாவட்டம்
- கன்னிவாடி பேரூராட்சி - சர்வே எண் 643/1A1B-ல்
மனைப்பிரிவு ஏற்படுத்தியுள்ளது - ஆய்வு செய்து அறிக்கை
தர கோருதல் - சார்பாக.

பார்வை : தொடர்புடைய ஆவணங்கள்.

திருப்பூர் மாவட்டம் கன்னிவாடி பேரூராட்சிக்குட்பட்ட சர்வே எண். 643/1A1B-ல்
2.45 ஏக்கர் பரப்பளவுள்ள மனைப்பிரிவு ந.க.எண். 16/2023-ன்படி அனுமதி
அளிக்கப்பட்டுள்ளது. இதில் தெருமின் விளக்குகள், தார்சாலை வசதி, குடிநீர் வசதி,
வடிகால் வசதி போன்ற அடிப்படை வசதிகள் செய்துள்ளனர். எனவே இப்பணியினை தல
ஆய்வு செய்து (Third Party Inspection) அதன் தரம் குறித்த அறிக்கை வழங்க கேட்டுக்
கொள்ளப்படுகிறது.

மேலும், மேற்கண்ட ஆய்வுக்குரிய கட்டணம் குறித்த விபரம் தெரிவிக்கும்பட்சத்தில்,
தொகை மனைப்பிவுதாரர்கள் மூலம் செலுத்தப்படும் என்பதையும் கனிவுடன் தெரிவித்துக்
கொள்ளப்படுகிறது.

நகல்

திரு. எம். முகைதீன் அப்துல் காதர்,
த/பெ முகமது இப்ராஹிம்,
34, அன்சாரி வீதி,
கரூர் தாலுகா, கரூர்.

செயல் அலுவலர்
கன்னிவாடி பேரூராட்சி
திருப்பூர் மாவட்டம்
17/05/23



M.K.UMARASAMY

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/147

DATE: 30.05.2023

Client Details
New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date
Letter Dated: 29.05.2023

Report Handover to
Mr.K.Karthi

Sample Details
Type of Sample : Concrete Cube Date of Casting : 15.05.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 29.05.2023
Grade of Concrete : M30 Quantity Received : 2
Age of Concrete : 14 days as mentioned by the client

Purpose of the work
Column Work

Type of Test
COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample G ₁	150x150x150	8.465	612	27.20	90.67	29.18
2	Sample G ₂	150x150x150	8.445	701	31.16	>100	

Reference (According to IS-456:2000):





Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Report No: 147



MKCE CONSULTANCY SERVICES
 DEPARTMENT OF CIVIL ENGINEERING
 M.KUMARASAMY COLLEGE OF ENGINEERING
 THALAVAPLAYAM, KARUR - 639 113



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 29/5/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur.
Mobile No.	8940913451
Email ID	ka civil 333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2
Name of the Test Requested	CT Doc: 15/5/23 ②
Purpose of Testing	Column cube
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavaplayam, Karur - 639 113.

I/we K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 300/-
Consultancy In-Charge	<u>[Signature]</u> 29/5/23
	HoD/Civil
	<u>[Signature]</u> 29/5/23

VEKUMARASAMY COLLEGE OF ENGINEERING

THALAVAYALUR ROAD, K. K. T. ROAD, TIRUPUR
TAMIL NADU, INDIA - 64324 270732



Receipt

No. : 352 Date : 30/05/2023
Ac. : 175/20-24 Amount : 500/-
Name : VEDANTH
Bill Type : Regular

Particulars	Amount (Rs)
Consultancy	500/-
Total	500/-

[Signature]
Director



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Combined with Report no: ~~136~~ 136

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/146		DATE: 29.05.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 27.05.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 20.05.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 29.05.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	Tie Beam	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.435	586	26.04	86.81	26.38
2	Sample F ₂	150x150x150	8.465	601	26.71	89.04	

Reference (According to IS-456:2000):




Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/145		DATE: 15.05.2023
Client Details	MCS, No. C-29, First Floor, 11 th Cross, West Thillai Nagar, Trichy-620018. Mobile: 8778033566	
Client Ref. /Date	Letter Dated: 17.04.2023	
Report Handover to	Mr. V.Saravanan	
Sample Details	Type: Design Mix Required for M30 Grade	
Purpose of the work	For Construction Site (Site Name: Pugalur Channel)	
Type of Test	Concrete – Mix Design	
Material Source	All the materials have been received from Saravana RMC, Karur.	

Test Data for Materials:

Grade Designation	M30	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	Chettinad OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	320 kg/m ³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m ³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.45 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	125 mm (For RCC Work)	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	Superplasticizer (Fosroc Conplast SP 430)	Specific Gravity of Admixture	1.145

Mix ratio According to IS 10262: 2019 for M30:

Table 1:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	374	734	1185	3.74	146
By Volume	1	1.96	3.17	1 %	0.39



The concrete cubes (150mm x 150mm) were cast with the above mix and the following results were obtained.

Compressive Strength of Concrete Cubes (7 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 24.04.2023

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.410	575	25.56	85.18	26.19
2	Sample F ₂	150x150x150	8.435	591	26.27	87.55	
3	Sample F ₃	150x150x150	8.420	602	26.76	89.18	

Compressive Strength of Concrete Cubes (28 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 15.05.2023

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample G ₁	150x150x150	8.650	798	35.47	>100	36.52
2	Sample G ₂	150x150x150	8.470	842	37.42	>100	
3	Sample G ₃	150x150x150	8.410	825	36.67	>100	

Reference (According to IS-456:2000):

- Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).
- The casted cube samples are attained the recommended compressive strength. So, the provided mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by - Mr. G. Balaji, AP/Civil	 Verified by - HoD/Civil	 Approved by - Principal
<p>If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.</p>		



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT	
Report Ref. No: MKCE/CE/2022-23/144	DATE: 15.05.2023
Client Details	MCS, No. C-29, First Floor, 11 th Cross, West Thillai Nagar, Trichy-620018. Mobile: 8778033566
Client Ref. /Date	Letter Dated: 17.04.2023
Report Handover to	Mr. V.Saravanan
Sample Details	Type: Design Mix Required for M15 Grade
Purpose of the work	For Construction Site (Site Name: Pugalur Channel)
Type of Test	Concrete – Mix Design
Material Source	All the materials have been received from Saravana RMC, Karur.

Test Data for Materials:

Grade Designation	M15	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	240 kg/m³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.6 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	75 mm Slump	Sieve Analysis for fine Aggregate	Zone II Confirming to IS: 383

Mix ratio According to IS 10262: 2019 for M15:

Table 1:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Water
By Weight (kg/m ³)	337	674	1120	197
By Volume	1	2	3.32	0.57



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The concrete cubes (150mm x 150mm) were cast with the above mix and the following results were obtained.

Compressive Strength of Concrete Cubes (7 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 24.04.2023

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.395	348	15.47	>100	15.24
2	Sample A ₂	150x150x150	8.465	361	16.04	>100	
3	Sample A ₃	150x150x150	8.420	320	14.22	94.81	

Compressive Strength of Concrete Cubes (28 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 15.05.2023

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample B ₁	150x150x150	8.350	488	21.69	>100	21.41
2	Sample B ₂	150x150x150	8.370	485	21.56	>100	
3	Sample B ₃	150x150x150	8.320	472	20.98	>100	

Reference (According to IS-456:2000):

- Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).
- The casted cube samples are attained the recommended compressive strength. So, the provided mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/143		DATE: 15.05.2023
Client Details	MCS, No. C-29, First Floor, 11 th Cross, West Thillai Nagar, Trichy-620018, Mobile: 8778033566	
Client Ref. /Date	Letter Dated: 17.04.2023	
Report Handover to	Mr. V.Saravanan	
Sample Details	Type: Design Mix Required for M20 Grade	
Purpose of the work	For Construction Site (Site Name: Pugalur Channel)	
Type of Test	Concrete – Mix Design	
Material Source	All the materials have been received from Saravana RMC, Karur.	

Test Data for Materials:

Grade Designation	M20	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	300 kg/m³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.55 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	75 mm	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383

Mix ratio According to IS 10262: 2019 for M20:

Table 1:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Water
By Weight (kg/m ³)	383	753	1065	197
By Volume	1	1.97	2.78	0.50



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The **concrete cubes (150mm x 150mm)** were cast with the above mix and the following results were obtained.

Compressive Strength of Concrete Cubes (7 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 24.04.2023

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.475	435	19.33	96.66	19.91
2	Sample A ₂	150x150x150	8.560	448	19.91	99.55	
3	Sample A ₃	150x150x150	8.410	461	20.49	>100	

Compressive Strength of Concrete Cubes (28 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 15.05.2023

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample B ₁	150x150x150	8.450	654	29.07	>100	28.25
2	Sample B ₂	150x150x150	8.470	622	27.64	>100	
3	Sample B ₃	150x150x150	8.420	631	28.04	>100	

Reference (According to IS-456:2000):

- Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).
- The casted cube samples are attained the recommended compressive strength. So, the provided mix is **suitable for construction.**

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
<p>If you require any clarification, please contact</p> <p>Consultancy In-Charge, Department of Civil Engineering.</p> <p>Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.</p>		



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/142		DATE: 15.05.2023
Client Details	MCS, No. C-29, First Floor, 11 th Cross, West Thillai Nagar, Trichy-620018. Mobile: 8778033566	
Client Ref. /Date	Letter Dated: 17.04.2023	
Report Handover to	Mr. V.Saravanan	
Sample Details	Type: Design Mix Required for M25 Grade	
Purpose of the work	For Construction Site (Site Name: Pugalur Channel)	
Type of Test	Concrete – Mix Design	
Material Source	All the materials have been received from Saravana RMC, Karur.	

Test Data for Materials:

Grade Designation	M25	Specific Gravity of Cement	3.15 (Test IS: 2720)
Type of Cement	Chettinad OPC 53 (Confirming to IS 8112)	Specific Gravity of Coarse Aggregate	2.60 (Test IS: 2386)
Maximum Nominal Size of Aggregate	20 mm	Specific Gravity of Fine Aggregate	2.65 (Test IS: 2386)
Minimum Cement Content	300 kg/m³ (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m³	Water Absorption of Coarse Aggregate	1 % (Test IS: 2386)
Maximum W/C ratio	0.50 (as per Table 5 in IS 456:2000)	Sieve Analysis for Coarse Aggregate	Confirming to IS: 383
Workability	100 mm (For RCC Work)	Sieve Analysis for Coarse Aggregate	Zone II Confirming to IS: 383
Admixture Type	Superplasticizer (Fosroc Conplast SP 430)	Specific Gravity of Admixture	1.145

Mix ratio According to IS 10262: 2019 for M25:

Table 1:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Admixture	Water
By Weight (kg/m ³)	315	781	1198	3.15	142
By Volume	1	2.47	3.80	1 %	0.45



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The concrete cubes (150mm x 150mm) were cast with the above mix and the following results were obtained.

Compressive Strength of Concrete Cubes (7 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 24.04.2023

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.670	482	21.42	85.68	22.09
2	Sample F ₂	150x150x150	8.455	497	22.09	88.35	
3	Sample F ₃	150x150x150	8.610	512	22.76	91.02	

Compressive Strength of Concrete Cubes (28 Days)

Specimen Details:

No.of. Cubes casted: 03

Date of Casting : 17.04.2023

Date of Testing : 15.05.2023




S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample G ₁	150x150x150	8.550	712	31.64	>100	32.36
2	Sample G ₂	150x150x150	8.570	748	33.24	>100	
3	Sample G ₃	150x150x150	8.620	724	32.18	>100	

Reference (According to IS-456:2000):

- Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).
- The casted cube samples are attained the recommended compressive strength. So, the provided mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		Seal

M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAYALAYAM, KARIKAL (DT), PINCODE - 639 113.

TAMIL NADU, Phone No : 04324 270755, 272154



Receipt

No. : 354 Date : 30/08/2023
Sl. No. : 101, 13-24 Account : CFO - P.A.
Name : MGS
Type : Regular

Particulars	Amount (Rs.)
Consultancy	12000/-
Total Amount	12000/-


Cashier: KRVA



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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/141

DATE: 29.05.2023

Client Details

Ponni concrete, New Bye pass Road, Paramathi velur, Namakkal (Dt).
Mobile : 8825929378

Client Ref. /Date

Letter Dated: 24.05.2023

Report Handover to

Ponni Concrete

Sample Details

M-Sand

Source

Pon Vinayaga Crushers, Karur.

Purpose of the work

Construction work

Type of Test

Sieve Analysis, Specific gravity, Water absorption, Bulk Density

RESULT:

Sieve Analysis:

IS Sieve Designation	Cumulative Percent		Zone - I	Zone - II	Zone - III	Zone - IV
	Retained	Passing				
4.75 mm	0.2	99.8	90-100	90-100	90-100	95-100
2.36 mm	22.4	77.6	60-95	75-100	85-100	95-100
1.18 mm	62.4	37.6	30-70	55-90	75-100	90-100
600 microns	86.5	13.5	15-34	35-59	60-79	80-100
300 microns	85	15	5-20	8-30	12-40	15-50
150 microns	92	8	0-10	0-10	0-10	0-15

Test Results:

Test	Result	Requirements as per IS code
Fineness Modulus	2.62	2.0 - 4.0
Specific Gravity	2.73	2.5 - 2.9
Water Absorption %	2.5 %	2.0 - 4.0
Bulk Density (g/cm ³)	1.68	-



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Reference: AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

- As per IS 383-2016, IS 2386-1963 Part 1.

Remarks:

- The grading zone falls under **Zone I** (as per IS 383-2016)
- The specific gravity of the soil sample lies **lessthan** the range of 2.5 - 2.9
- The water absorption lies within the range of 2.0 - 4.0 %

The given sample can be used for construction purpose.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by - Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balaji@mkce.ac.in Mobile: +91 8870881397.		 Seal



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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/140

DATE: 29.05.2023

Client Details

Ponni concrete, New Bye pass Road, Paramathivelur, Namakkal (Dt).
Mobile : 8825929378

Client Ref. /Date

Letter Dated: 24.05.2023

Report Handover to

Ponni Concrete

Sample Details

M-Sand

Source

Vinayaga Crushers, Karur.

Purpose of the work

Construction work

Type of Test

Sieve Analysis, Specific gravity, Water absorption, Bulk Density

RESULT:

Sieve Analysis:

IS Sieve Designation	Cumulative Percent		Zone - I	Zone - II	Zone - III	Zone - IV
	Retained	Passing				
4.75 mm	0.1	99.9	90-100	90-100	90-100	95-100
2.36 mm	22.9	77.1	60-95	75-100	85-100	95-100
1.18 mm	61.7	38.3	30-70	55-90	75-100	90-100
600 microns	86.1	13.9	15-34	35-59	60-79	80-100
300 microns	88	12	5-20	8-30	12-40	15-50
150 microns	88.2	11.8	0-10	0-10	0-10	0-15

Test Results:

Test	Result	Requirements as per IS code
Fineness Modulus	2.53	2.0 - 4.0
Specific Gravity	2.62	2.5 - 2.9
Water Absorption %	2.7 %	2.0 - 4.0
Bulk Density (g/cm ³)	1.72	-



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

Reference:

- As per IS 383-2016, IS 2386-1963 Part 1.

Remarks:

- The grading zone falls under **Zone I** (as per IS 383-2016)
- The specific gravity of the soil sample lies **lessthan** the range of 2.5 - 2.9
- The water absorption lies within the range of 2.0 - 4.0 %

The given sample can be used for construction purpose.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by - Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING



TEST REPORT

Report Ref. No: MKCE/CE/2022-23/139

DATE: 29.05.2023

Client Details	Ponni concrete, New Bye pass Road, Paramathi velur, Namakkal (Dt). Mobile : 8825929378
Client Ref. /Date	Letter Dated: 24.05.2023
Report Handover to	Ponni concrete
Sample Details	Coarse Aggregate (20 mm)
Source	Pon Vinayaga Crushers, Karur.
Purpose of the work	Building Construction
Type of Test	Sieve Analysis (Fineness Modulus), Specific Gravity, Impact Value, Crushing strength, Abrasion Value.

RESULT:





Coarse Aggregate 20 mm:

S.No.	Test	Trial 1	Trial 2	Limiting Value	Remarks
1	Fineness Modulus	5.75	5.72	5.5 - 8.0	The given sample is suitable for construction works.
2	Specific Gravity	2.52	2.56	2.5 - 3.0	
3	Impact Value	18.52 %	18.16 %	20 %	
4	Crushing Value	21.42 %	21.84 %	30 %	
5	Abrasion Value	15.32 %	14.56 %	30 %	

*All the tests are preformed based on IS: 2386 & IS: 383 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by - Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/138

DATE: 29.05.2023

Client Details

Ponni concrete, New Bye pass Road, Paramathivelur, Namakkal (Dt).
Mobile : 8825929378

Client Ref. /Date

Letter Dated: 24.05.2023

Report Handover to

Ponni Concrete

Sample Details

Coarse Aggregate (20 mm)

Source

Vinayaga Crushers, Karur.

Purpose of the work

Building Construction

Type of Test

Sieve Analysis (Fineness Modulus), Specific Gravity, Impact Value, Crushing strength, Abrasion Value.

RESULT:

Coarse Aggregate 20 mm:

S.No.	Test	Trial 1	Trial 2	Limiting Value	Remarks
1	Fineness Modulus	5.72	5.76	5.5 - 8.0	The given sample is suitable for construction works.
2	Specific Gravity	2.48	2.62	2.5 - 3.0	
3	Impact Value	18.74 %	16.36 %	20 %	
4	Crushing Value	22.86 %	19.58 %	30 %	
5	Abrasion Value	14.26%	12.9 %	30 %	

***All the tests are performed based on IS: 2386 & IS: 383 codal provisions and specifications.**

NOTE:

This report is given to the client based on the samples provided by them.


29/5/23

Tested by - Mr. S. Ramkumar,
AP/Civil


29/5/23

Verified by - HoD/Civil

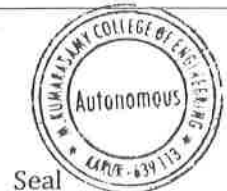

29/5/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



TEST REPORT

Report Ref. No: MKCE/CE/2022-23/137		DATE:	29.05.2023
Client Details		Ponni Concrete, Paramathi velur, Namakkal (Dt)	
Client Ref. /Date:	24.05.2023	Letter Dated:	24.05.2023
Sample Collected date	24..05.2023	Sample received date	24..05.2023
Report Handover to		Ponni Concrete, Paramathi velur, Namakkal (Dt)	
Purpose of the Work		Water testing for construction	
Qty. of sample	1 litre	Test commenced on:	26.05.2023
Sample Location	Ponni Concrete	Test completed on:	26.05.2023

RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012 and IS 456:2000
1	Odour	-	IS 3025 : Part 05	Acceptable	Acceptable
2	Taste	-	IS 3025 : Part 08	Acceptable	Acceptable
3	pH@ 25°C	-	IS 3025 : Part 11	8.2	Greater than 6
4	Total Dissolved Solids	mg/L	IS 3025 : Part 16	1800	500
5	Total Suspended Solids	mg/L	IS 3025 : Part 17	420	2000
6	Organic Solids	mg/L	IS 3025 : Part 18	630	200
7	Inorganic Solids	mg/L	IS 3025 : Part 18	1799	3000
8	Chloride	mg/L	IS 3025 : Part 32	368	500 for RCC & 2000 for PCC
9	Sulphate	mg/L	IS 3025 : Part 24	542	400

REMARKS:The Collected water sample characteristics are suitable for construction. Since TDS, Organic Solids and sulphates are beyond the permissible limit it requires dilution with fresh water for curing and construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by- Dr.S.Sethuraman AP/Civil	 Verified By - HoD/ Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397		Seal 

Report No.: 137, 138, 139, 140, 141



M. KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE: 630 014,
TAMIL NADU. Phone No.: 04324 270755 271150



Receipt

Rec. No. : 349 Date : 30/05/2023
Invo. No. : 176/23-24 Account : COLLEGE
Customer Name : Ponnai Concrete
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	8700.00
	Total Amount	8700.00

30/05/2023 3:21:45 PM


Cashier - NIRMALA K



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 24/5/23

CLIENT DETAILS

Name of the Client	Ponni Concrete
Address of the Client	New Bye pass road, Paramathi velur, Namakkal (DT)
Mobile No.	8825929378
Email ID	-

SAMPLE DETAILS

Type of Sample given	Coarse Aggregate, Fine Aggregate, ^(M-sand) Water						
No. of. Sample given	-						
Name of the Test Requested	<table border="0"> <tr> <td><u>CA</u></td> <td><u>FA</u></td> <td><u>Water</u></td> </tr> <tr> <td>Fineness Modulus, Leaching Specific gravity, abrasion Impact value, value</td> <td>WA, SG, FM, BD.</td> <td>Total & Suspended, all tests</td> </tr> </table>	<u>CA</u>	<u>FA</u>	<u>Water</u>	Fineness Modulus, Leaching Specific gravity, abrasion Impact value, value	WA, SG, FM, BD.	Total & Suspended, all tests
<u>CA</u>	<u>FA</u>	<u>Water</u>					
Fineness Modulus, Leaching Specific gravity, abrasion Impact value, value	WA, SG, FM, BD.	Total & Suspended, all tests					
Purpose of Testing	For construction of RMC work.						
Test Report Hand over to	Ponni Concrete						

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/we Dr. SOPYA declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: Dr. S.

Consultancy Charges	(2300+2300+1600+1600+900) Rs. 8700/-						
Consultancy In-Charge	<table border="0"> <tr> <td></td> <td>HoD/Civil</td> <td></td> </tr> <tr> <td>24/5/23</td> <td></td> <td></td> </tr> </table>		HoD/Civil		24/5/23		
	HoD/Civil						
24/5/23							



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/136

DATE: 24.05.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 15.05.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 15.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 15.05.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **28 days** as mentioned by the client

Purpose of the work

Tie Beam

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.670	731	32.49	>100	32.00
2	Sample F ₂	150x150x150	8.455	709	31.51	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/135		DATE: 24.05.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 23.05.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 23.04.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 23.05.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.440	736	32.71	>100	32.31
2	Sample F ₂	150x150x150	8.375	718	31.91	>100	

Reference (According to IS-456:2000):

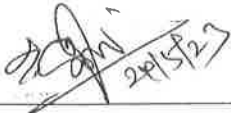
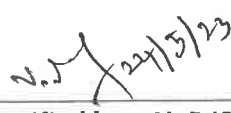

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/134		DATE: 24.05.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 22.05.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 09.05.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 23.05.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 14 days as mentioned by the client	
Purpose of the work	Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.475	612	27.20	90.67	92.59
2	Sample F ₂	150x150x150	8.560	638	28.36	94.52	

Reference (According to IS-456:2000):




Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 24/5/23	 24/5/23	 24/5/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Report No: 134 & 135



M. KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAI-KAVAYAM KARIKAL (DT), PINCODE - 619 112

TAMIL NADU Phone No. : 04324 270755, 270756



Receipt

Sl. No. : 271 Date : 10/11/2023
 No. : 178/22-24 Account : 2016 RA
 Name : NEW BUILDING
 Post Type : Regular

Sl. No.	Particulars	Amount/Paid
	Consultancy	60000
Total		60000

Signature

Signature - [Signature]

Report No: 136 & 148

Thalavapalayam, Karur - 639 113

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 15/5/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	mkciv1233@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2 + 2 (16/5/23)
Name of the Test Requested	CT Doc: 15/5/23 Doc: 9/5/23 ① ②
Purpose of Testing	Tie Beam work
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature K. Karthi

Consultancy Charges	Rs. 300/- + 300/- ⇒ Rs. 600/-
Consultancy In-Charge	<u>K. Karthi</u> 15/5/23
	HoD/Civil <u>K. Karthi</u>

Report No: 134, 135

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 22/5/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, bannab.
Mobile No.	990913451
Email ID	kk civil 333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2+2
Name of the Test Requested	CT DOC: 9/5/23 ②
Purpose of Testing	Doc: 23/4/23 ② for column Nall.
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/we K. Karthi declare that the above given information and sample given to my knowledge with assurance of good sampling techniques without any concealed material therein. I/als undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges

Rs. 300/- + 300/- ⇒ 600/-

Consultancy In-Charge

K. Karthi
22/5/23

HoD/Civil

V. S. S. S.
22/5/23



M.K.UMARASAMY

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT– THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/133		DATE: 18.05.2023
Client Details	Mrs.C.BanuJayarani, Executive Officer, Uppidamangalam Municipality, Karur (Dt).	
Client Ref. /Date	Ref.No.112/2023; Letter dated: 12.05.2023	
Report Handover to	Mrs. Arukkaniyammal, KaspaUppidamangalam, Uppidamangalam East Village, Karur - 639108.	
Plot Details	UppidamangalamKeelpagamVillage, SF.No. 304 / 1A1B, Uppidamangalam Municipality, Karur.	

Based on the inspection carried out on 16thMay 2023, 2.30 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report. From the observations the provided amenities are good during the visit

 18/5/23	 18/5/23	 18/5/23
Observed by – Mr. P. Mukesh, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113
		Seal





M.KUMARASAMY

COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University

ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



INSPECTION REPORT

Uppidamangalam Municipality Executive Officer in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Uppidamangalam Keelpagam Village, SF.No. 304/1A1B, Uppidamangalam Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. are good during inspection date while segregation of land into residential plots in Uppidamangalam Keelpagam Village, SF.No. 304/1A1B, Uppidamangalam Municipality, Karur on 16th May 2023, 2.30 pm.

The area of land having the proposed residential layout is about 2 acre (8100 sq.m). The proposed plots are 36 and allocated plots is also 36. Fig. 1 shows the approved residential layout.

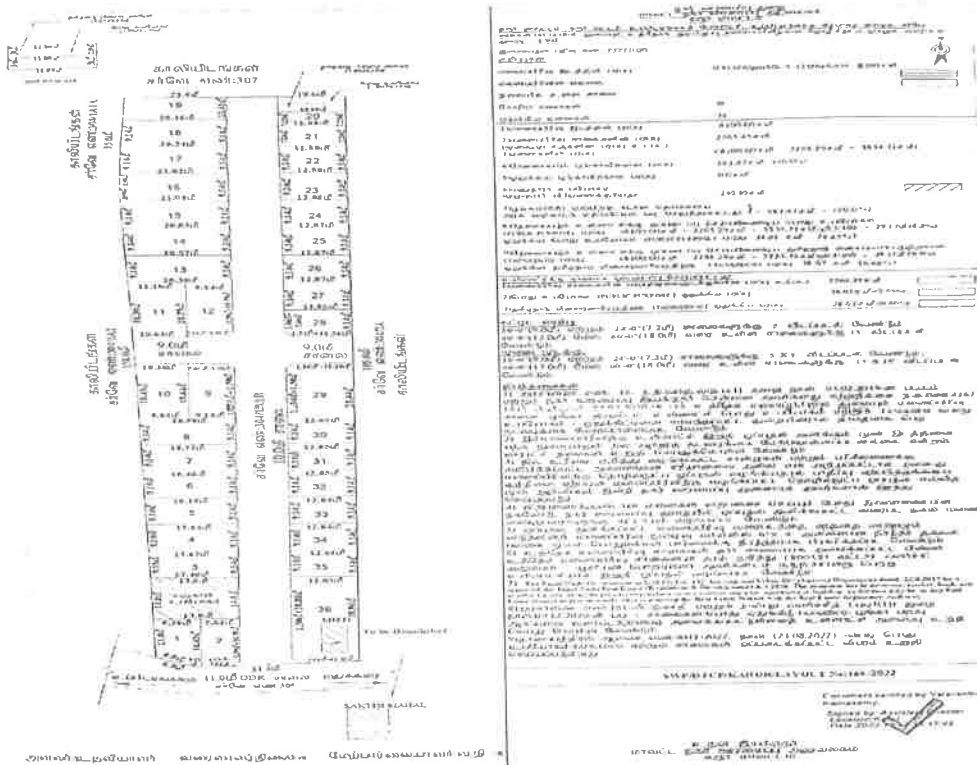


Fig. 1 Approved residential layout



The observations found during the inspection were listed below,

1. Roads

The plot consists of two different types of bituminous concrete roads having an average splay length of 2.67 m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I	Type II
Width of the road	9.67 m	8.68 m
Formation width/Carriage way	6.93 m	6.03 m
Granular subbase (GSB)	20 cm	20 cm
Wet Mix (WM)	10.3 cm	10.3 cm
Bituminous Concrete (BC)	3.4 cm	3.7 cm



Fig. 2 Road width and cross section measurement



2. Culverts and Storm water drains

Storm water drains were provided on Type I & II road having an average side wall width of 0.23 m, drainage width 0.31m and depth of the drain is about 0.36 m, 0.32 m. Culverts were provided on the road junctions over the storm water drains having a width of 0.58 m and the thickness of culvert slab is found to be 105 mm.



Fig. 3 Storm water drain measurement.

3. Fencing of Park and reserved site

Chain link fencing are provided with size of 120 x 90mm with stone pillars at 2.56 m intervals and the height of the pillar is observed about 1.56 m having size of 150 x 110 mm. Reserved site allocated for public utility is 38.03sq.m, park 583.47sq.m and for TANGEDCO is 38.67sq.m as mentioned in the layout.



Fig. 4 Fencing measurement



4. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.



Fig. 5 Water line layout

5. Streetlight

Electric posts were provided on the sides of roads and streetlights are not provided. As enquired to the client for the provisions, they are paid for TNEB connection as well as arrangements made for the provisions for streetlight.

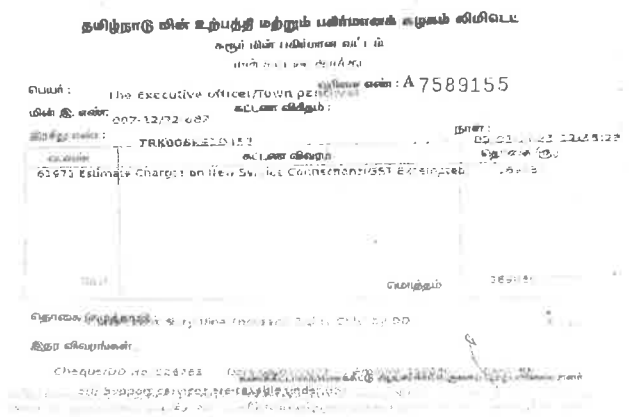


Fig. 6 Receipt for TNEB Connection

Prepared by
18/5/23

Verified by
12/5/23



Approved by
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

அனுப்பதல்

திருமதி.சி.பானு ஜெயராணி,
செயல் அலுவலர்
உப்பிடமங்கலம் பேரூராட்சி,
கரூர் மாவட்டம்.

பெறுதல்

முதல்வர் அவர்கள்,
குமாரசாமி பொறியியல் கல்லூரி,
தளவாபாளையம்,
தோட்டக்குறிச்சி.

ந.க. எண்.112 /2023, நாள் : 12.05.2023

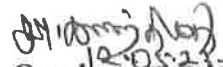
அய்யா,

பொருள் : மனைப்பிரிவு - கரூர் மாவட்டம் - உப்பிடமங்கலம் பேரூராட்சி -
உப்பிடமங்கலம் கீழ்பாகம் கிராம புல எண்.304/1A1B-ல்
அமைக்கப்பட்டுள்ள மனைப்பிரிவில் உள்ள தார்சாலை வடிகால் மற்றும்
பைப்லைன் - பார்வையிட்டு தரச்சான்று வழங்க கோருதல் - தொடர்பாக.

பார்வை : 1) கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களின் கடிதம்
ந.க.எண்.PXZE1QD மற்றும் SWP/DTCP/KARUR/LAYOUT
No.188/2022, நாள் : 19.10.2022.

--- X ---

பார்வையில் காணும் கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களின்
கடிதங்களில் தெரிவிக்கப்பட்டதற்கிணங்க உப்பிடமங்கலம் கீழ்பாகம் கிராமம் புல
எண்.304/1A1B-ல் அமைந்துள்ள மனைப்பிரிவுகளுக்கு தொழில்நுட்ப அனுமதி வழங்கி உத்தரவு
வரப்பெற்றுள்ளது. மேற்கண்ட மனைப்பிரிவுகளை முறைப்படுத்தி உப்பிடமங்கலம் பேரூராட்சியில்
மனைப்பிரிவு அங்கீகாரம் வழங்கும் பொருட்டு மனைப்பிரிவில் செய்யப்பட்டுள்ள அடிப்படை
கட்டமைப்புகளான தார்சாலைகள், வடிகால்கள் மற்றும் குடிநீர் குழாய்களை ஆய்வு செய்து
தரச்சான்று வழங்க வேண்டுமாய் பணிவுடன் கேட்டுக் கொள்கிறேன்.


செயல் அலுவலர்
உப்பிடமங்கலம் பேரூராட்சி,
கரூர் மாவட்டம்.

நகல்:-

1. கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களுக்கு பணிந்து
சமர்ப்பிக்கப்படுகிறது.
2. திண்டுக்கல் மண்டல பேரூராட்சிகளின் உதவி இயக்குநர் அவர்களுக்கு பணிந்து
சமர்ப்பிக்கப்படுகிறது.

Report No: 133



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 298 Date : 18/05/2023
Rec. No. : 145/23-24 Account : COLLEGE A/
Payee Name : **Third Party Inspection**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	7000.00
	Total Amount	7000.00

18/05/2023 12:57:42 PM


Cashier - NIRMALA K

அனுப்புதல்

திருமதி.சி.பானு ஜெயராணி,
செயல் அலுவலர்
உப்பிடமங்கலம் பேரூராட்சி,
கரூர் மாவட்டம்.

பெறுதல்

முதல்வர் அவர்கள்,
குமாரசாமி பொறியியல் கல்லூரி,
தளவாபாளையம்,
தோட்டக்குறிச்சி.

ந.க. எண்.112 /2023, நாள் : 12.05.2023


அய்யா,

பொருள் : மனைப்பிரிவு - கரூர் மாவட்டம் - உப்பிடமங்கலம் பேரூராட்சி -
உப்பிடமங்கலம் கீழ்பாகம் கிராம புல எண்.304/1A1B-ல்
அமைக்கப்பட்டுள்ள மனைப்பிரிவில் உள்ள தார்சாலை வடிகால் மற்றும்
பைப்லைன் - பார்வையிட்டு தரச்சான்று வழங்க கோருதல் - தொடர்பாக.

பார்வை : 1) கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களின் கடிதம்
ந.க.எண்.PXZEI1QD மற்றும் SWP/DTCP/KARUR/LAYOUT
No.188/2022, நாள் : 19.10.2022.

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பார்வையில் காணும் கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களின்
கடிதங்களில் தெரிவிக்கப்பட்டதற்கிணங்க உப்பிடமங்கலம் கீழ்பாகம் கிராமம் புல
எண்.304/1A1B-ல் அமைந்துள்ள மனைப்பிரிவுகளுக்கு தொழில்நுட்ப அனுமதி வழங்கி உத்தரவு
வரப்பெற்றுள்ளது. மேற்கண்ட மனைப்பிரிவுகளை முறைப்படுத்தி உப்பிடமங்கலம் பேரூராட்சியில்
மனைப்பிரிவு அங்கீகாரம் வழங்கும் பொருட்டு மனைப்பிரிவில் செய்யப்பட்டுள்ள அடிப்படை
கட்டமைப்புகளான தார்சாலைகள், வடிகால்கள் மற்றும் குடிநீர் குழாய்களை ஆய்வு செய்து
தரச்சான்று வழங்க வேண்டுமாய் பணிவுடன் கேட்டுக் கொள்கிறேன்.


செயல் அலுவலர்
உப்பிடமங்கலம் பேரூராட்சி,
கரூர் மாவட்டம்.

நகல்:-

1. கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களுக்கு பணிந்து
சமர்ப்பிக்கப்படுகிறது.
2. திண்டுக்கல் மண்டல பேரூராட்சிகளின் உதவி இயக்குநர் அவர்களுக்கு பணிந்து
சமர்ப்பிக்கப்படுகிறது.



M.KUMARASAMY

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT– THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/132

DATE: 12.05.2023

Client Details	Mr.K.Kaniraj, Commissioner, Pugalur municipality, Karur (Dt).
Client Ref. /Date	Ref.No.301/2023; Letter dated: 21.04.2023
Report Handover to	Mr.K.Periyasamy, RS road, Velayuthampalayam Pugalur (TK), Karur - 639117.
Plot Details	Punjai Pugalur (South), SF.No. 564/1B,3B,5B,6A&7A Pugalur, Karur.

Based on the inspection carried out on 11thMay 2023, 4.15pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report. From the observations the provided amenities are good during the visit.

S.J.M.
13.5.23

Observed by –
Dr.S.Sethuraman AP/Civil

V.K.
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

[Signature]
15/5/23

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajiqcivil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal





INSPECTION REPORT

Pugalur municipality Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at punjai pugalur (South) Village, SF.No. 564/1B,3B,5B,6A&7A Pugalur (TK), Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in punjai pugalur(South) Village, SF.No. 564/1B,3B,5B,6A&7A, Pugalur (TK), Karur on 11th May 2023, 4.15pm.

The area of land having the proposed residential layout is about 2.10 acre(8502 sq.m). The proposed plots are 28 and allocated plots is also 28. Fig. 1 shows the approved residential layout.

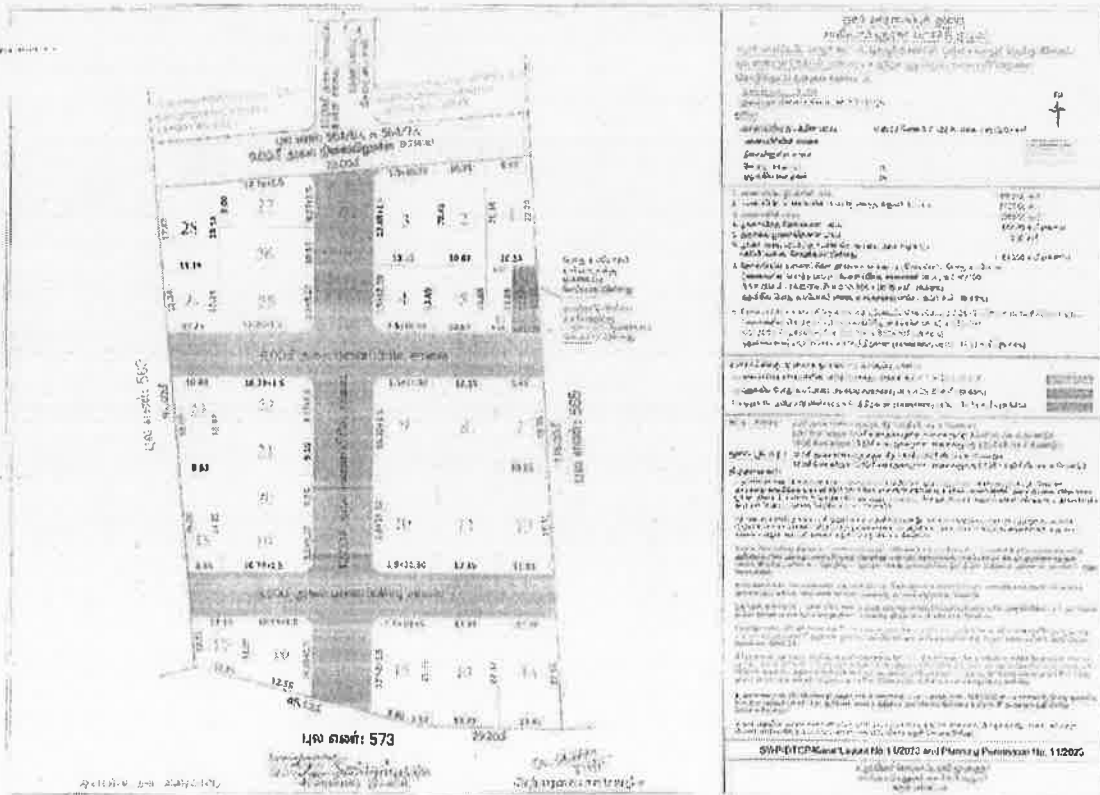


Fig. 1 Approved residential layout



The observations found during the inspection were listed below,

1. Roads

The plot consists of two different types of bituminous concrete roads having an average splay length of 2.42 m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided.

Specifications	Type I	Type II
Width of the road	11.53 m	8.39 m
Formation width/Carriage way	7.58 m	5.42 m
Granular subbase (GSB)	20 cm	20 cm
Wet Mix (WM)	8 cm	8.5 cm
Bituminous Concrete (BC)	5 cm	5 cm



Fig. 2 Road width and cross section measurement

2. Culverts and Storm water drains

Storm water drains were provided on both side of the roads having an average side wall thickness of 0.22 m, drainage width 0.36m and depth of the drain is about 0.4 m. Culverts were provided on the road junctions over the storm water drains having a width of 0.79 m and the thickness of culvert slab is found to be 150 mm.



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



Fig. 3 Storm water drain measurement.

3. Park and reserved site

Reserved site allocated for public utility is 39.33 sq.m, park 610.00 sq.m and for TANGEDCO is 32.73 sq.m as mentioned in the layout.



Fig. 4 Park and reserved site



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



4. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

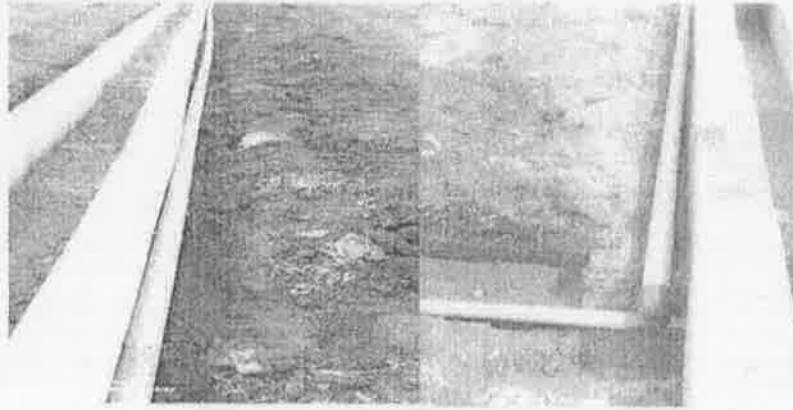


Fig. 5 Water line layout

5. Streetlight

Electric posts were provided on the sides of roads and streetlights were not provided. As enquired to the client for the provisions, they are paid for TNEB connection as well as arrangements made for the provisions for streetlight.



Fig. 6 Receipt for TNEB Connection

S. J. M.
13.5.23

Prepared by

V. V. J.
13/5/23

Verified by

**Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering,
(Autonomous) Karur - 639113.**

B. P.
15/5/23

Approved by

**PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113**





M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU, Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 290 Date : 16/05/2023
Rec. No. : 137/23-24 Account : COLLEGE A/
Payee Name : Mr K Periyasamy
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	7000.00
	Total Amount	7000.00

16/05/2023 10:34:48 AM


Cashier - NIRMALA K



M.KUMARASAMY

COLLEGE OF ENGINEERING

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ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING



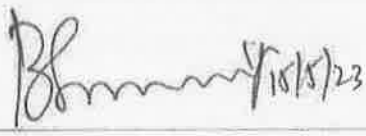

PROPOSED RESIDENTIAL LAYOUT– THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/131

DATE: 12.05.2023

Client Details	Mr.K.Kaniraj, Commissioner, Pugalurmunicipality, Karur (Dt).
Client Ref. /Date	Ref.No.581/2023; Letter dated: 09.05.2023
Report Handover to	Mr.P.Jayachandran and C.Thangavel, D.No. 5/3, Krishna school road,Moolimangalam road Pugalur (TK), Karur - 638312.
Plot Details	PunjaiPugalur (South), SF.No. 564/6B, Pugalur, Karur.

Based on the inspection carried out on 11thMay 2023, 4.00pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report. From the observations the provided amenities are good during the visit.

		
Observed by – Mr.R.Vetturayasudharsanan, AP/Civil	Head of the Department Department of Civil Engineering M.Kumarasamy College of Engineering (Autonomous) Karur - 639113.	Approved by - Principal PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		Seal 



INSPECTION REPORT

PugalurmunicipalityCommissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at punjaipugalur Village,SF.No. 564/6BPugalur (TK), Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in punjaipugalur(South) Village, SF.No. 564/6B,Pugalur (TK), Karur on 11thMay 2023, 4.00pm.

The area of land having the proposed residential layout is about 2.28 acre(9234sq.m). The proposed plots are 34 and allocated plots is also 34. Fig. 1 shows the approved residential layout.

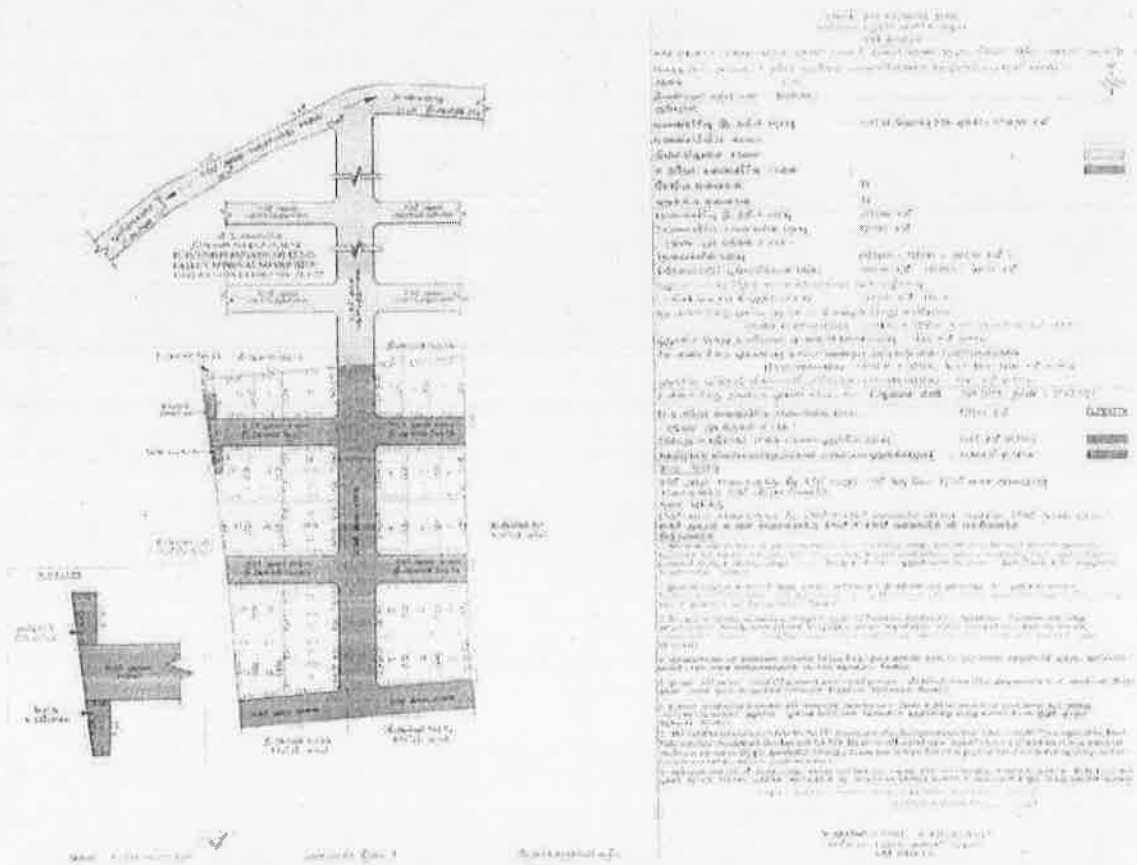


Fig. 1 Approved residential layout



The observations found during the inspection were listed below,

1. Roads

The plot consists of two different types of bituminous concrete roads having an average splay length of 2.1 m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I	Type II
Width of the road	11.45 m	8.58 m
Formation width/Carriage way	7.65 m	5.40 m
Granular subbase (GSB)	20 cm	20 cm
Wet Mix (WM)	9 cm	18 cm
Bituminous Concrete (BC)	5 cm	5 cm



Fig. 2 Road width and cross section measurement



2. Culverts and Storm water drains

Storm water drains were provided on bothsideof the roadshaving an average side wall thickness of0.21 m, drainage width 0.37m and depth of the drain is about 0.33 m.Culverts were provided on the road junctions over the storm water drains having a width of 0.78 m and the thickness of culvert slab is found to be 250 mm.



Fig. 3 Storm water drain measurement.

3. Park and reserved site

Reserved site allocated for public utility is 30.00sq.m, park 610.00 sq.m and for TANGEDCO is 30.49sq.m as mentioned in the layout.



Fig. 4Park and reserved site



M.KUMARASAMY

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



4. Water supply

Water supply lines were laid and extended up to the public supply distribution limit

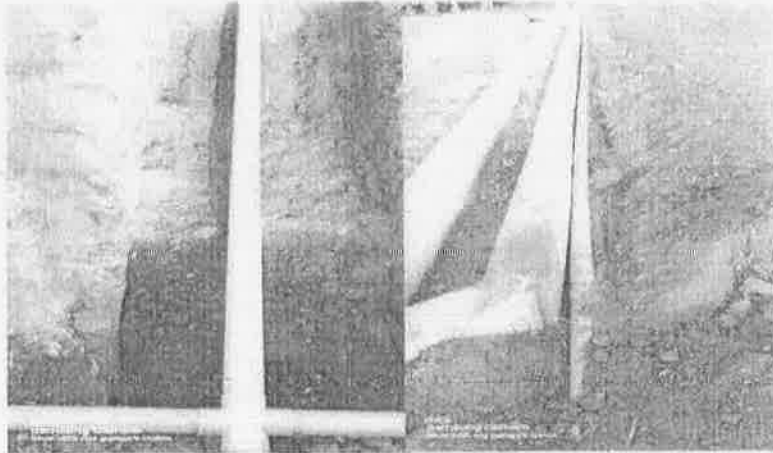


Fig. 5 Water line layout

5. Streetlight

Electric posts were provided on the sides of roads and streetlights are not provided. As enquired to the client for the provisions, they are paid for TNEB connection as well as arrangements made for the provisions for streetlight.

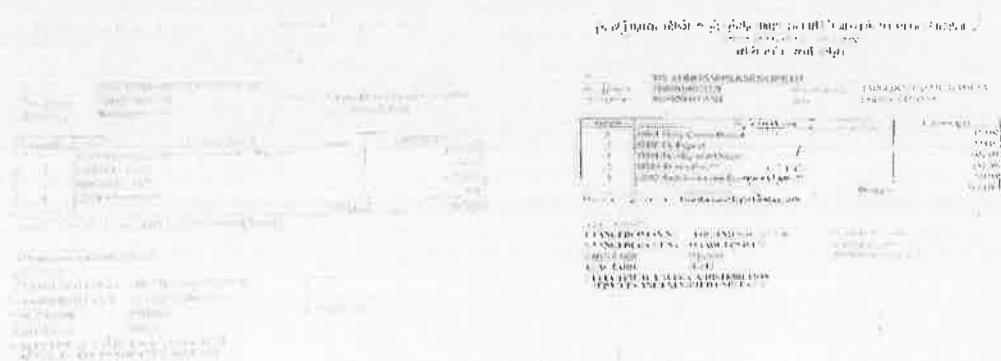


Fig. 6 Receipt for TNEB Connection

R. Kumar
13/5/23
Prepared by

V. Jeyaraj
13/5/23
Verified by
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

[Signature]
10/5/23
Approved by
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113





M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 289 Date : 16/05/2023
Rec. No. : 136/23-24 Account : COLLEGE A/
Payee Name : Mr P Jayachandran
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	7000.00
	Total Amount	7000.00

16/05/2023 10:34:15 AM


Cashier - NIRMALA K



M.KUMARASAMY

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT – THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/130

DATE: 12.05.2023

Client Details

Mrs.C.Banu Jayarani,
Executive Officer,
Uppidamangalam Municipality,
Karur (Dt).

Client Ref. /Date

Ref.No.111/2023; Letter dated: 08.05.2023

Report Handover to

Mrs.Jothilakshmi and Three Members,
D.No. 1/19, Punnam,
Pugalur (TK), Karur - 638312.

Plot Details

Uppidamangalam Keelpagam Village,
SF.No. 1321/B1,B2,
Uppidamangalam Municipality,
Karur.

Based on the inspection carried out on 10th May 2023, 12.30 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report. From the observations, the provided amenities are good during the visit.

[Signature]
12/5/23

Observed by – Mr. G. Balaji,
AP/Civil

[Signature]
12/5/23

Verified by – HoD/Civil

[Signature]
12/5/23

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





INSPECTION REPORT

Uppidamangalam Municipality Executive Officer in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Uppidamangalam Keelpagam Village, SF.No. 1321/B1,B2, Uppidamangalam Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Uppidamangalam Keelpagam Village, SF.No. 1321/B1,B2, Uppidamangalam Municipality, Karur on 10th May 2023, 12.30 pm. From the observations, the provided amenities are good during the visit.

The area of land having the proposed residential layout is about 2.59¹/₂ acre (10500 sq.m). The proposed plots are 45 and allocated plots is also 13. Fig. 1 shows the approved residential layout.

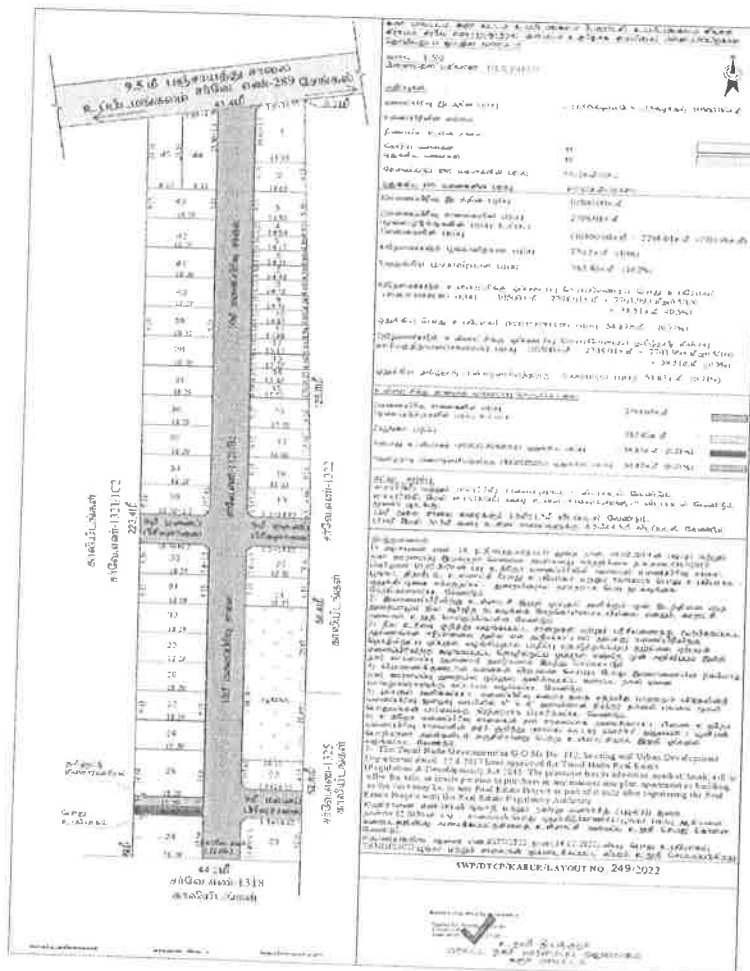


Fig. 1 Approved residential layout





The observations found during the inspection were listed below,

1. Roads

The plot consists of two different types of bituminous concrete roads having an average splay length of 2.46 m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I	Type II
Width of the road	9.45 m	8.88 m
Formation width/Carriage way	6.12 m	6.00 m
Granular subbase (GSB)	20 cm	20 cm
Wet Mix (WM)	10.5 cm	10.5 cm
Bituminous Concrete (BC)	3 cm	3 cm



Fig. 2 Road width and cross section measurement





2. Culverts and Storm water drains

Storm water drains were provided on both side of the roads having an average side wall width of 0.23 m, drainage width 0.31 m and depth of the drain is about 0.36 m. Culverts were provided on the road junctions over the storm water drains having a width of 0.76 m and the thickness of culvert slab is found to be 130 mm.



Fig. 3 Storm water drain measurement

3. Fencing of Park and reserved site

Chain link fencing are provided with size of 4.13 x 3.93 inch with stone pillars at 3.1 m intervals and the height of the pillar is observed about 1.59 m having size of 150 x 80 mm. Reserved site allocated for public utility is 38.51 sq.m, park 782.40 sq.m and for TANGEDCO is 54.87 sq.m as mentioned in the layout.

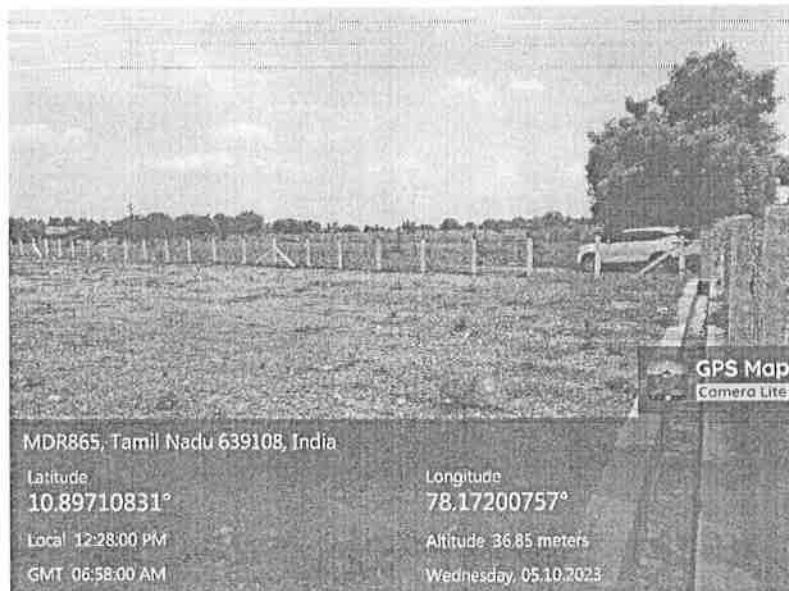


Fig. 4 Fencing measurement





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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



4. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

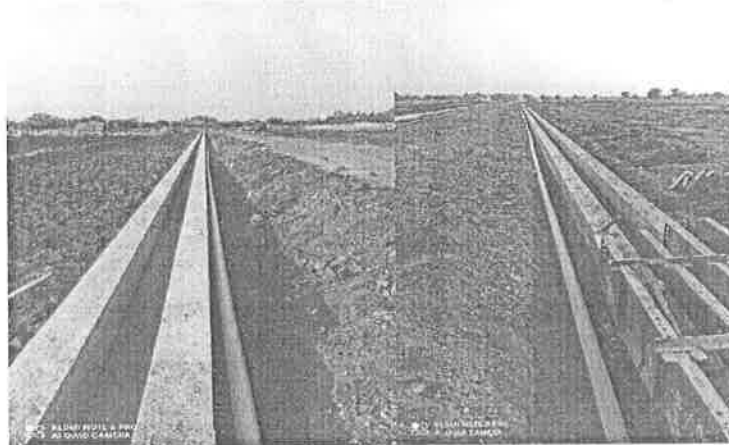


Fig. 5 Water line layout

5. Streetlight

Electric posts were provided on the sides of roads and streetlights are not provided. As enquired to the client for the provisions, they are paid for TNEB connection as well as arrangements made for the provisions for streetlight.



Fig. 6 Receipt for TNEB Connection

(Signature)
Prepared by

(Mr. G. Balaji/AP-civil)

(Signature) 12/5/23
Verified by

(Signature) 12/5/23
Approved by



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 12/5/23

CLIENT DETAILS

Name of the Client	Mrs. C. Banu Jayarani
Address of the Client	Executive office Uppidamangalam Municipality 19m
Mobile No.	94493 02023
Email ID	—

SAMPLE DETAILS

Type of Sample given	—
No. of. Sample given	—
Name of the Test Requested	Third party Inspection
Purpose of Testing	—
Test Report Hand over to	Mrs. Jothilakshmi & 3 others

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We S. Moorthy declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

S. Moorthy
Signature: _____

Consultancy Charges	Rs. 7000/-
Consultancy In-Charge	<u>[Signature]</u> 12/5/23
	HoD/Civil
	<u>V. [Signature]</u> 12/5/23

Repat No : 130



(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113,
TAMIL NADU. Phone No.: 04324 270755, 272155

Receipt

Ref. No. : 291 Date : 16/05/2023
Rec. No. : 138/23-24 Account : COLLEGE A
Payee Name : Third Party Inspection
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	7000.00
	Total Amount	7000.00

16/05/2023 2:32:59 PM


Cashier - NIRMALA K

அனுப்புதல்

திருமதி.சி.பானு ஜெயராணி,
செயல் அலுவலர்
உப்பிடமங்கலம் பேரூராட்சி,
கரூர் மாவட்டம்.

பெறுதல்

முதல்வர் அவர்கள்,
குமாரசாமி பொறியியல் கல்லூரி,
தளவாபாளையம்,
தோட்டக்குறிச்சி.

ந.க. எண்.113 /2023, நாள் : 08.05.2023

அய்யா,

பொருள் : மனைப்பிரிவு - கரூர் மாவட்டம் - உப்பிடமங்கலம் பேரூராட்சி -
உப்பிடமங்கலம் கீழ்பாகம் கிராம புல எண்.1321/B1,B2-ல்
அமைக்கப்பட்டுள்ள மனைப்பிரிவில் உள்ள தார்சாலை வடிகால் மற்றும்
பைப்லைன் - பார்வையிட்டு தரச்சான்று வழங்க கோருதல் - தொடர்பாக.

பார்வை : 1) கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களின் கடிதம்
ந.க.எண்.ULXY4PU4/2022/TCP மற்றும் SWP / DTCP / KARUR /
LAYOUT No.249/2022, நாள் : 27.12.2022.

--- X ---

பார்வையில் காணும் கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களின்
கடிதங்களில் தெரிவிக்கப்பட்டதற்கிணங்க உப்பிடமங்கலம் கீழ்பாகம் கிராமம் புல
எண்.1321/B1,B2-ல் அமைந்துள்ள மனைப்பிரிவுகளுக்கு தொழில்நுட்ப அனுமதி வழங்கி
உத்தரவு வரப்பெற்றுள்ளது. மேற்கண்ட மனைப்பிரிவுகளை முறைப்படுத்தி உப்பிடமங்கலம்
பேரூராட்சியில் மனைப்பிரிவு அங்கீகாரம் வழங்கும் பொருட்டு மனைப்பிரிவில் செய்யப்பட்டுள்ள
அடிப்படை கட்டமைப்புகளான தார்சாலைகள், வடிகால்கள் மற்றும் குடிநீர் குழாய்களை ஆய்வு
செய்து தரச்சான்று வழங்க வேண்டுமாய் பணிவுடன் கேட்டுக் கொள்கிறேன்.

செயல் அலுவலர்,
உப்பிடமங்கலம் பேரூராட்சி,
கரூர் மாவட்டம்.

நகல்:-

1. கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களுக்கு பணிந்து
சமர்ப்பிக்கப்படுகிறது.
2. திண்டுக்கல் மண்டல பேரூராட்சிகளின் உதவி இயக்குநர் அவர்களுக்கு பணிந்து
சமர்ப்பிக்கப்படுகிறது.



M.KUMARASAMY

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/129

DATE: 11.05.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 08.05.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 23.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 10.05.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **14days** as mentioned by the client

Purpose of the work

Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.380	628	27.91	93.04	28.98
2	Sample F ₂	150x150x150	8.440	676	30.04	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by - Mr. G. Balaji, AP/Civil

Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





M.K.UMARASAMY

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ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(HDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/128

DATE: 11.05.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 08.05.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 10.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 10.05.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **28 days** as mentioned by the client

Purpose of the work

Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.420	681	30.27	>100	30.51
2	Sample F ₂	150x150x150	8.460	692	30.76	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Report no: 1284/29



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 273 Date : 11/05/2023
Rec. No. : **123/23-24** Account : COLLEGE
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	600.00
	Total Amount	600.00

11/05/2023 10:28:33 AM


Cashier - NIRMALA K

Report No: 128 & 129

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 08/05/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	4 (2+2)
Name of the Test Requested	CF
Purpose of Testing	work
Test Report Hand over to	MR. K. Naithi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/we K. Naithi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Naithi

Consultancy Charges	Rs. 600/-		
Consultancy In-Charge	<u>[Signature]</u>	HoD/Civil	<u>V. M. 7/15/23</u>



M.K.UMARASAMY

COLLEGE OF ENGINEERING

Autonomous Institution

Approved by AICTE & Affiliated to Anna University

ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/127

DATE: 04.05.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 02.05.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 03.04.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.05.2023 Grade of Concrete : M30 Quantity Received : 5 Age of Concrete : 28 days as mentioned by the client
Purpose of the work	Site Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.420	681	30.27	>100	30.62
2	Sample D ₂	150x150x150	8.360	692	30.76	>100	
3	Sample D ₃	150x150x150	8.385	675	30.00	100	
4	Sample D ₄	150x150x150	8.425	696	30.93	>100	
5	Sample D ₅	150x150x150	8.355	701	31.16	>100	

Reference (According to IS-456:2000):

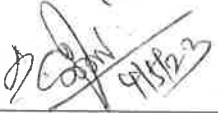
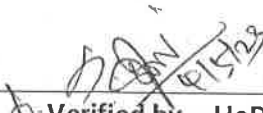

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





M.K.UMARASAMY
COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/126

DATE: 04.05.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 02.05.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 04.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.05.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample E ₁	150x150x150	8.400	676	30.04	>100	30.38
2	Sample E ₂	150x150x150	8.360	691	30.71	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

(Signature)
4/5/23

Tested by – Mr. G. Balaji, AP/Civil

(Signature)
4/5/23

Verified by – HoD/Civil

(Signature)
4/5/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





M.K.UMARASAMY

COLLEGE OF ENGINEERING

W.P.O. 2, Velloddy Anna Salai, Karur - 639113.

Approved by AICTE & Affiliated to Anna University


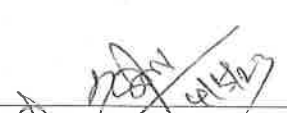
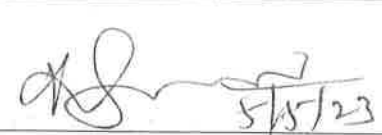

ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/125		DATE: 04.05.2023					
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.						
Client Ref. /Date	Letter Dated: 02.05.2023						
Report Handover to	Mr.K.Karthi						
Sample Details	Type of Sample : Concrete Cube Date of Casting : 23.04.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.05.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client						
Purpose of the work	Column Work						
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST						
RESULT:							
S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample E ₁	150x150x150	8.200	495	22.00	73.33	21.13
2	Sample E ₂	150x150x150	7.960	456	20.27	67.56	
Reference (According to IS-456:2000):				Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).			
Remarks:				✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.			
NOTE:				This report is given to the client based on the samples provided by them.			
 Tested by – Mr. G. Balaji, AP/Civil		 Verified by – HoD/Civil		 Approved by - Principal			
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.							

Re. NO: 125, 126, 127



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 246 Date : 05/05/2023
Rec. No. : 98/23-24 Account : COLLEGE
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	1350.00
	Total Amount	1350.00

05/05/2023 10:56:34 AM

Cashier - GAUTHAMAN

Re no. 125/126/27

Thalavaplayam, Karur - 639 113

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/05/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kicivil 333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube				
No. of. Sample given	09 (2+2+5)				
Name of the Test Requested	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; border-right: 1px solid black; text-align: center;">09</td> <td style="width: 33%; border-right: 1px solid black; text-align: center;">23/4/23 ②</td> <td style="width: 33%; border-right: 1px solid black; text-align: center;">4/4/23 ②</td> <td style="width: 33%; text-align: center;">3/4/23 ⑤</td> </tr> </table>	09	23/4/23 ②	4/4/23 ②	3/4/23 ⑤
09	23/4/23 ②	4/4/23 ②	3/4/23 ⑤		
Purpose of Testing	For column, footing work				
Test Report Hand over to	K. Karthi				

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs 1350/-		
Consultancy In-Charge	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><u>[Signature]</u></td> <td style="width: 50%; text-align: center;">HoD/Civil</td> </tr> </table>	<u>[Signature]</u>	HoD/Civil
<u>[Signature]</u>	HoD/Civil		



M.K.UMARASAMY



NEP AICTE Approved Autonomous Institution

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/124

DATE: 02.05.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 29.04.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 15.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 29.04.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **14 days** as mentioned by the client

Purpose of the work

Tie Beam Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample C ₁	150x150x150	8.340	612	27.20	90.67	27.51
2	Sample C ₂	150x150x150	8.520	626	27.82	92.74	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 29/4/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur.
Mobile No.	894091345
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2
Name of the Test Requested	CT
Purpose of Testing	for Tie Beam
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

I, 0
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we R. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 300/-		
Consultancy In-Charge	<u>[Signature]</u> 29/4/23	HoD/Civil	<u>[Signature]</u> 29/4/23

Report NO: 124



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 233 Date : 02/05/2023
Rec. No. : 91/23-24 Account : COLLEGE A
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

02/05/2023 3:35:32 PM

Cashier - GAUTHAMAN



M.K.UMARASAMY



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/123

DATE: 28.04.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 27.04.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Fly Ash Cement Brick
Size of the Sample : 220 x 95 x 70 mm Date of Testing : 28.04.2023
Quantity Received : 3

Purpose of the work

For Construction Site.

Type of Test

COMPRESSIVE STRENGTH OF FLY ASH BRICK – BRICK TEST

RESULT:

S.No.	Brick Sample	Size (mm)	Weight of Sample (kg)	Ultimate Compression Load (kN)	Compressive Strength of Fly Ash brick (kg/cm ²)	Average Compressive Strength of Fly Ash brick (kg/cm ²)
1	Sample 1- R ₁	220 x 95 x 70	3.420	166	80.99	89.29
2	Sample 1- R ₂	220 x 95 x 70	3.640	187	91.24	
3	Sample 1- R ₃	220 x 95 x 70	3.310	196	95.63	

Reference: (According to IS 12894: 2002) (Compressive Strength of bricks):

- ✓ 1st class brick is 105 kg/cm². 2. 2nd class brick is 70 kg/cm². 3. Common building brick is 35 kg/cm². 4. Fly Ash brick is 125 to 150 kg/cm²

Remarks:

- ✓ The given brick samples attained the recommended compressive strength. So, the given samples are suitable for construction. But not meet the Fly ash brick requirements.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No: 133



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref No. : 227 Date : 29/04/2023
Pr. No. : 37/23-24 Account : COLL - B A/
Paper Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	BRICK TEST	360.00
Total Amount		360.00

29/04/2023 09:30:00 AM

Cashier - GAUTHI

Re. No: 123



M.KUMARASAMY
COLLEGE OF ENGINEERING
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 ISO 9001:2015 Certified Institution
 Thalavapalayam, Karur, Tamilnadu.



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 27/10/23

CLIENT DETAILS

Name of the Client	New Building	No.
Address of the Client	Near Salem Bye-pass road, Karur-6	Ad.
Mobile No.	8940913451	Mo.
Email ID	kccivil333@gmail.com	Em.

SAMPLE DETAILS

Type of Sample given	Conc Fly ash Bricks	Ty.
No. of. Sample given	3	No.
Name of the Test Requested	ST	Na.
Purpose of Testing	Site work	Pur.
Test Report Hand over to	K. Karthi	Test.

DECLARATION OF THE CLIENT

DEC

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

To
 The
 M.K.
 Tha.

I/we K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 300/-	Cons.
Consultancy In-Charge	<u>K. Karthi</u> 27/10/23	HoD/Civil
		<u>N. J. Jeyaraj</u> 27/10/23



M.KUMARASAMY



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/122

DATE: 28.04.2023

Client Details

Cogipro Design and Construction,
Near Rasi Apartment, Chinnandan Kovil, Karur – 639002.
Mobile: +91 9698711733

Client Ref. /Date

Letter Dated: 27.04.2023

Report Handover to

Cogipro Design and Construction

Sample Details

Type of Sample : Concrete Cube Date of Casting : 05.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 28.04.2023
Grade of Concrete : **M20** Quantity Received : 5
Age of Concrete : **21 days** as mentioned by the client

Purpose of the work

For Site Work (Sankaraa Apartment)

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample C ₁	150x150x150	8.675	632	28.09	>100	30.66
2	Sample C ₂	150x150x150	8.340	719	31.96	>100	
3	Sample C ₃	150x150x150	8.465	705	31.33	>100	
4	Sample C ₄	150x150x150	8.440	708	31.47	>100	
5	Sample C ₅	150x150x150	8.320	685	30.44	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is **suitable for construction.**

NOTE:

This report is given to the client based on the samples provided by them.

[Signature]
29/4/23

Tested by – Mr. G. Balaji,
AP/Civil

[Signature]
29/4/23

Verified by – HoD/Civil

[Signature]
29/4/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal

R. NO: 122



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 228 Date : 29/04/2023
Fee. No. : 88/23-24 Account : COLLEGE A/
Payee Name : **COGIPRO DESIGN AND CONSTRUCTION**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	750.00
Total Amount		750.00

31/04/2023
Cashier - GAUTHAM

Re. No. 122

M. K. C. E. COLLEGE OF ENGINEERING
THALAVAPLAYAM, KARUR - 639 113

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 27/4/23

CLIENT DETAILS

Name of the Client	Cogipro Design and Construction
Address of the Client	Near Rasi Apartment, Chinnandan Koil, Karur
Mobile No.	9698711733
Email ID	-

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	5
Name of the Test Requested	CT Doc: 5/4/23 ⑤
Purpose of Testing	for Apartment work
Test Report Hand over to	Cogipro design & construction.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/We M. Suresh declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges

Rs. 750/-

Consultancy In-Charge

[Signature]
27/4/23

HoD/Civil

[Signature]
27/4/23



M.K.UMARASAMY

NAAC Accredited Autonomous Institution

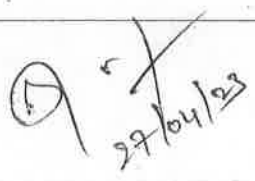
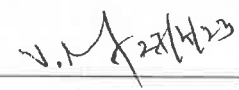
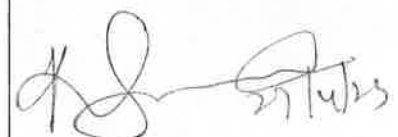

Approved by AICTE & Affiliated to Anna University
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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT – THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/121		DATE: 27.04.2023
Client Details	Mr.K.Kaniraj, Municipality Commissioner, Pugalur Municipality, Velayuthampalayam, Karur.	
Client Ref. /Date	Ref.No.924/2022/F1; Letter dated: 25.04.2023	
Report Handover to	Mr.D.Duraikumarasamy	
Plot Details	Ward No. 18, SF.No. 715/2B1A1 & 716/5A, Punjai Pugalur(South), Pugalur Municipality, Karur.	
Based on the inspection carried out on 26 th April 2023, 12.00 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.		
		
Observed by – Mr. S. Ramkumar, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



Inspection Report

Pugalur Municipality Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Ward No. 18, SF.No. 715/2B1A1 & 716/5A, Punjai Pugalur(South), Pugalur Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Ward No. 18, SF.No. 715/2B1A1 & 716/5A, Punjai Pugalur(South), Pugalur Municipality, Karur on 26th April 2023, 12.00 p.m.

The area of land having proposed residential layout is about 1.7736 acre (7178 sqm). The proposed plots are 46 and allocated plots is 46. Fig. 1 shows the approved residential layout.

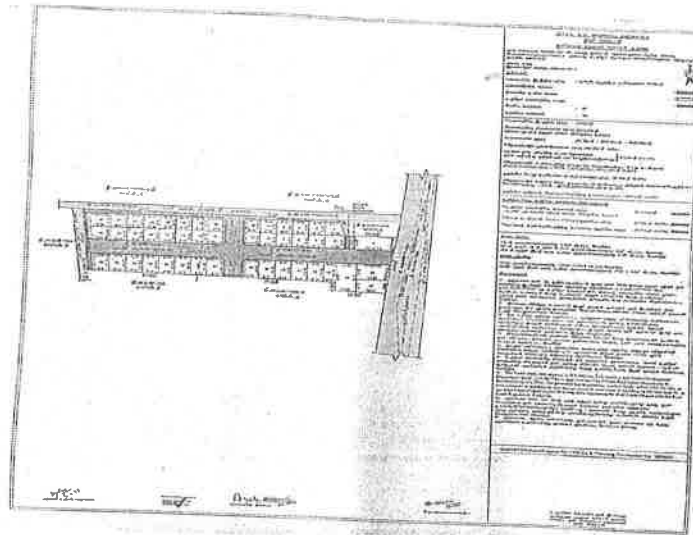


Fig. 1 Approved residential layout





The observations found during the inspection were listed below:

1. Roads

The plot consists of two different types of bituminous concrete roads having splay length of 2.6 m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I (Main)	Type II (Sub)
Width of the road	9.82 m	9.9 m
Formation width/Carriage way	6.5 m	7.74 m
Granular sub-base (GSB)	12 cm	12 cm
Wet Mix (WM)	13 cm	13 cm
Bituminous Concrete (BC)	3 cm	3 cm

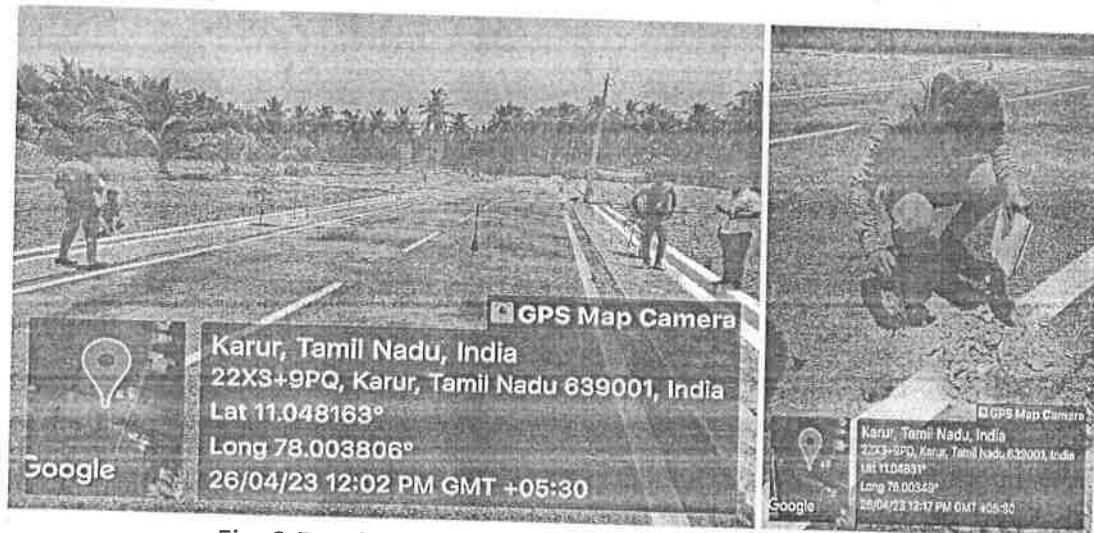


Fig. 2 Road width and cross section measurement





2. Storm water drains

Storm water drains were provided on both sides of the roads having side wall width 23.5 cm, drainage width outer 77 cm, inner 31 cm, drainage depth 44 cm.



Fig. 3 Storm water drain measurement

3. Culverts

Culverts were provided on the road junctions over the storm water drains having a width of 0.75 m and the thickness of culvert slab is found to be 170 mm with a splay length of 2.6 m.



Fig. 4 Culvert measurement





4. Fencing of Park and reserved site

Fencing is not done in the site and reserved site is provided for TANGEDCO and Public utilities.



Fig. 5 Provision of Fencing

5. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

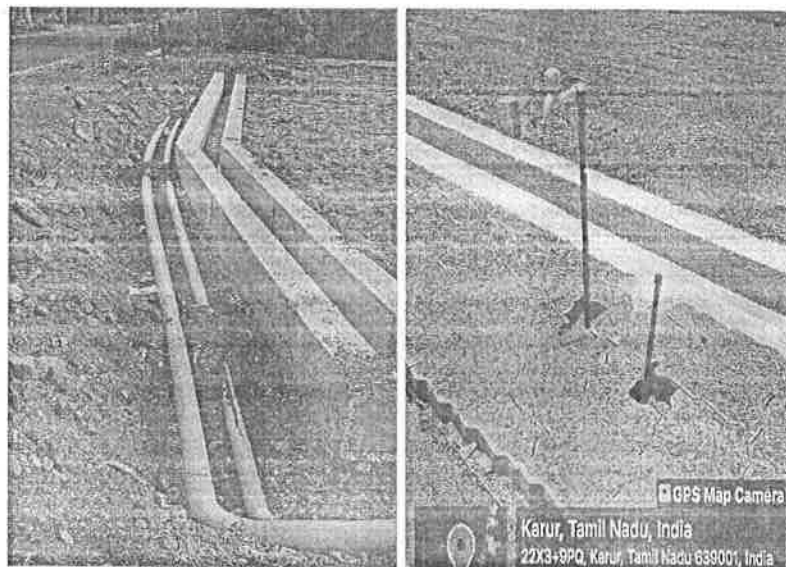


Fig. 6 Pipeline Connection





6. Streetlight

Streetlights were not provided at the site but connection request has been submitted and payment has been done.

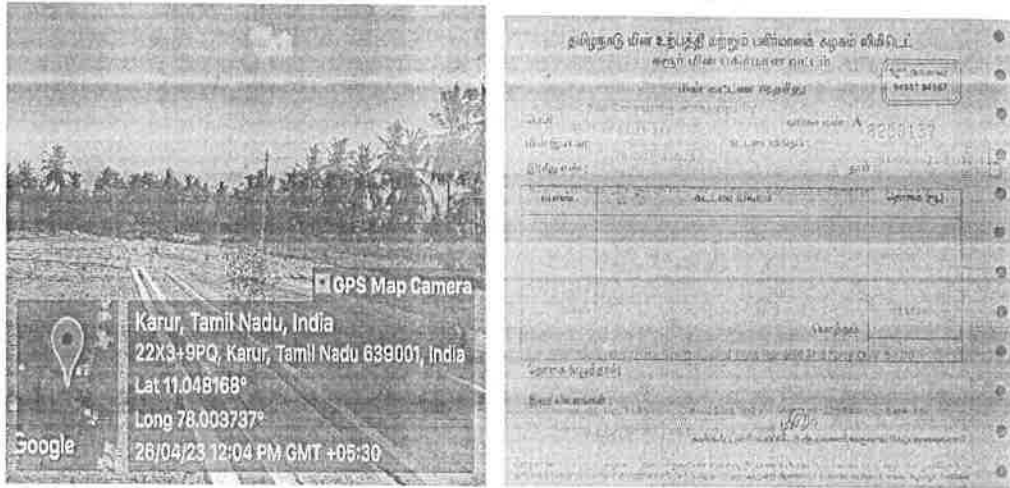




Fig. 7 Provisions of Powerlines & Streetlights


 Prepared by
S. RAMKUMAR,
 AP/CIVIL


 Verified by
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.


 Approved by
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113.



Re. NO: 121



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 218 Date : 27/04/2023
Rec. No. : **81/23-24** Account : COLLEGE
Payee Name : **Mr.Duraisamy**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection	5000.00
	Total Amount	5000.00

27/04/2023 3:09:49 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 26/04/2023

CLIENT DETAILS

Name of the Client	Mr. Durai Kumarasamy.
Address of the Client	No. 12, AVS & AVR Colony, Karur.
Mobile No.	9443165614
Email ID	-

SAMPLE DETAILS


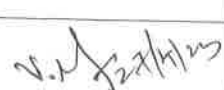
Type of Sample given	-
No. of Sample given	-
Name of the Test Requested	Third Party Inspection.
Purpose of Testing	-
Test Report Hand over to	Mr. Durai Kumarasamy.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Durai Kumarasamy declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: 

Consultancy Charges	Rs. 5000/-		
Consultancy In-Charge	 26/4/23	HoD/Civil	



M.K.UMARASAMY

KR

NAAC Accredited Autonomous Institution

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ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT – THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/120

DATE: 26.04.2023

Client Details

Mr.K.Kaniraj,

Municipality Commissioner,

Pugalur Municipality, Velayuthampalayam Post,

Pugalur (TK), Karur. Email: commr.pugalur@gmail.com

Client Ref. /Date

Ref.No.648/2023/F1; Letter dated: 12.04.2023

Report Handover to

Mr.S.Jayavelu,

D.No. 11, Member Ramasamy Street,

Kandhampalayam,

Pugalur (TK), Karur.

Plot Details

Ward No. 06, Punjaipugalur (North) Village,

SF.No. 162/2A2B2,

Pugalur Municipality,

Karur.

Based on the inspection carried out on 26th April 2023, 11.30 am by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.

Observed by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



Inspection Report

Pugalur Municipal Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Ward No. 06, Punjaipugalur (North) Village, SF.No. 162/2A2B2, Pugalur Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Ward No. 06, Punjaipugalur (North) Village, SF.No. 162/2A2B2, Pugalur Municipality, Karur on 26th April 2023, 11.30 am.

The area of land having the proposed residential layout is about 0.5975 acre (2419 sqm). The proposed plots are 09 and allocated plots is also 13. Fig. 1 shows the approved residential layout.

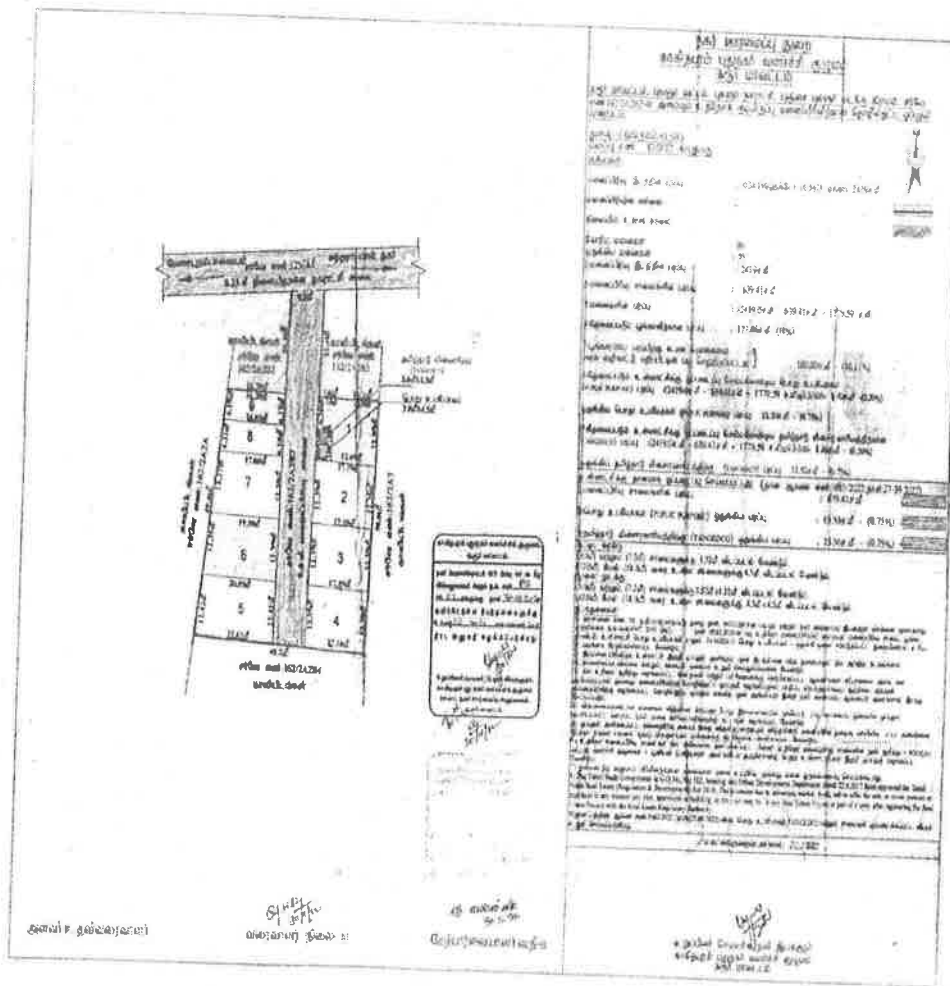


Fig. 1 Approved residential layout





The observations found during the inspection were listed below,

1. Roads

The plot consists of a straight bituminous concrete road without splays. The specifications of the bituminous road as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I
Width of the road	9.1 m
Formation width/Carriage way	6.05 m
Granular sub base (GSB)	20 cm
Wet Mix (WM)	10 cm
Bituminous Concrete (BC)	3.5 cm

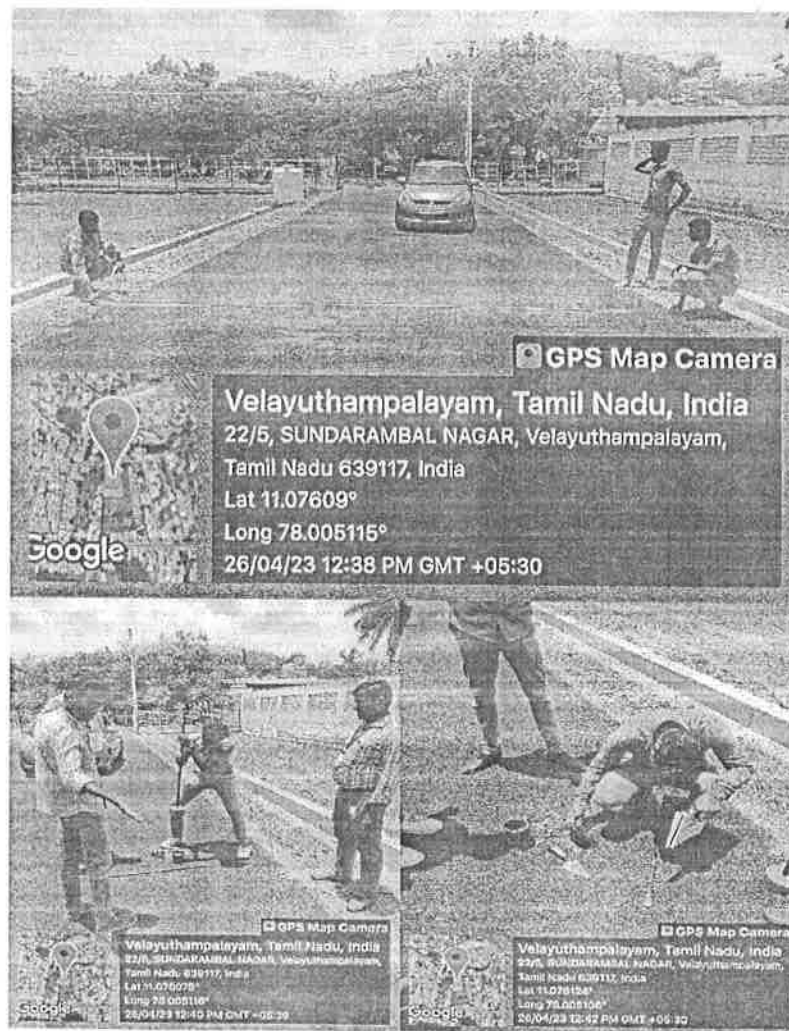


Fig. 2 Road width and cross section measurement





2. Storm water drains

Storm water drains were provided on both side of the roads having an average side wall width of 24.5 cm, drainage width 37 cm and depth of the drain is about 45 cm. Culverts are provided due to the straight roads (Observed no secondary roads).



Fig. 3 Storm water drain measurement

3. Fencing of Park and reserved site

Provision for fencing is provided along with a 2.6 feet height compound wall and steel angles at 4m intervals. The reserved site allocated for public utility is 8.90 sq.m and, TANGEDCO is 8.90 sq.m and OSR is 180 sq.m as mentioned in the layout.

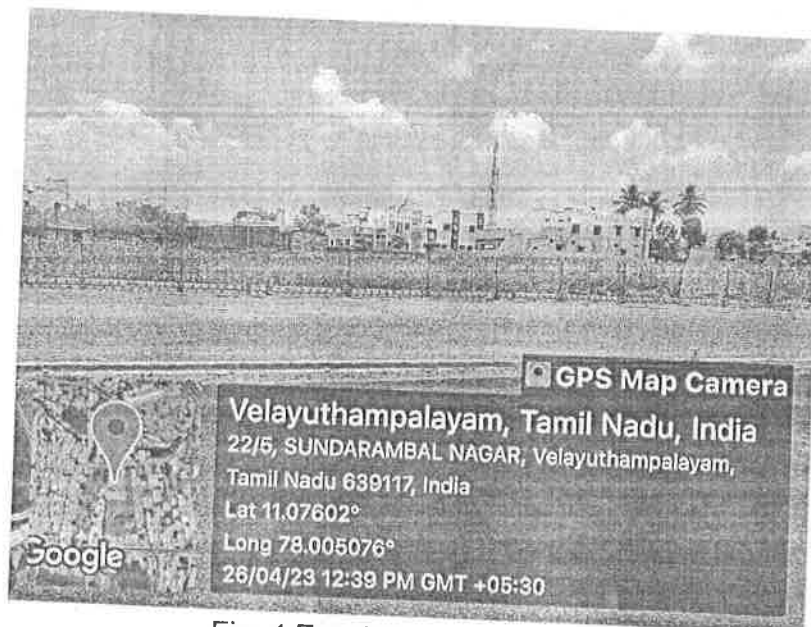


Fig. 4 Fencing measurement





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AICTE Approval No. 752-53-001 dated 22.10.1999

Sl. No.	Particulars	Debit	Credit	Balance
1
2
3
4
5
6
7
8
9
10

Sl. No.	Particulars	Debit	Credit	Balance
1
2
3
4
5
6
7
8
9
10

Sl. No.	Particulars	Debit	Credit	Balance
1
2
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4
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9
10

Sl. No.	Particulars	Debit	Credit	Balance
1
2
3
4
5
6
7
8
9
10

Scanned with CamScanner

Fig. 6 Receipt for TNEB Connection

Prepared by
 (Mr. G. Balaji / AP- Civil)

Verified by
 V.M. / 26/1/23

Approved by
 27/1/23

Head of the Department
 Department of Civil Engineering
 M. Kumarasamy College of Engineering
 (Autonomous) Karur - 639113.

PRINCIPAL,
 M. Kumarasamy College of Engineering,
 THALAVAPALAYAM,
 KARUR - 639 113





Re.No: 120
M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 217 Date : 27/04/2023
Rec. No. : 80/23-24 Account : COLLEGE
Payee Name : Mr.K.Kaniraj
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection	5000.00
	Total Amount	5000.00

27/04/2023 3:09:22 PM

Cashier - GAUTHAMAN

Re. NO: 120

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 26/04/23

CLIENT DETAILS

Name of the Client	Mr. K. Kanisaj
Address of the Client	Municipality Commissioner, Pugalur Municipality, Pugalur (T), Kamr.
Mobile No.	97719 97719 42609
Email ID	Commr. Pugalur@gmail.com

SAMPLE DETAILS



Type of Sample given	—
No. of. Sample given	—
Name of the Test Requested	Third party Inspection.
Purpose of Testing	—
Test Report Hand over to	Mr. S Jayavelu.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/~~we~~ Mr. Vijayakumar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: 

Consultancy Charges	Rs. 5000/-		
Consultancy In-Charge		HoD/Civil	



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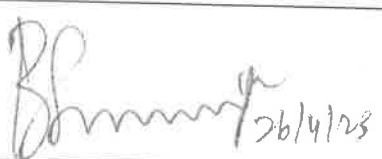

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



FOC

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

Proposed Residential Layout Third Party Inspection Certificate		
Report Ref. No: MKCE/CE/2022-23/ 119		DATE: 26.04.2023
Client Details	Executive Officer, Velur Town Panchayat, Namakkal.	
Client Ref. /Date	Ref. No. 427/2023; Letter Dated: 06.02.2023	
Report Handover to	Mr.K.P.Mani, 213, Kuppuchipalayam, Velur, Namakkal.	
Plot Details	SF.No: 371/9, Melmugam, Punjai Edayar, Velur Town panchayat, Namakkal	
Based on the inspection carried out on 26 th April 2023, 10.00 a.m. by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.		
		
Report prepared by Mr. R. Dineshkumar, AP/Civil	Verified by HoD/Civil	Approved by Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



Inspection Report

Executive officer, Velur Town Panchayat in his letter cited under reference, had requested a third party inspection certificate for the Proposed Residential Layout at, Melmugam, Punjai Edayar, SF.No: 371/9, Velur Town panchayat, Namakkal.

Based on the request, Dr. V. Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, street lights, etc while segregation of land into residential plots in Melmugam, Punjai Edayar, SF.No: 371/9, Velur Town panchayat, Namakkal. on 26th April 2023, 10.00 a.m.

The area of land having proposed residential layout is about 0.93 acres (3763.54 sqm). The proposed plots is 10 and allocated plots is also 10.

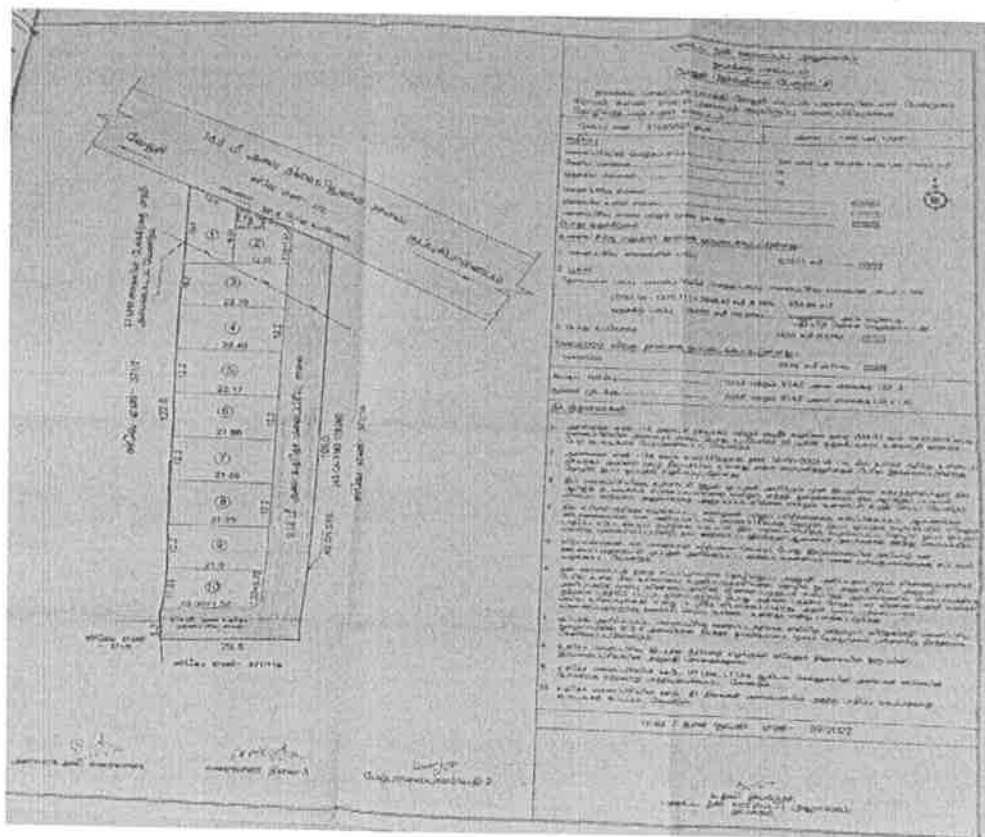


Fig.1 – Approved Residential Layout





The observations found during the inspection were listed below,

1. Roads

The plot consists of bituminous concrete roads with the specification as mentioned in Table 1.

Table 1. Observations at Roads provided

Width of Road	9.00 m
Formation Width / Carriage Way	6.65 m
Granular Sub Base (GSB)	20 cm
Wet Mix (WM)	10 cm
Bituminous Concrete (BC)	5 cm

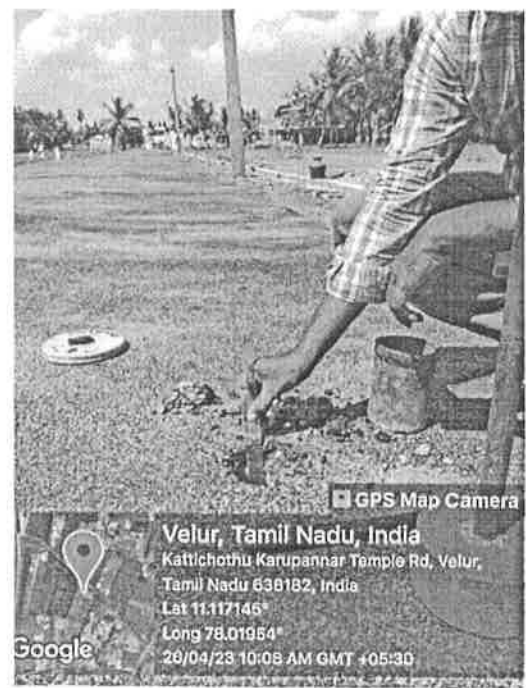
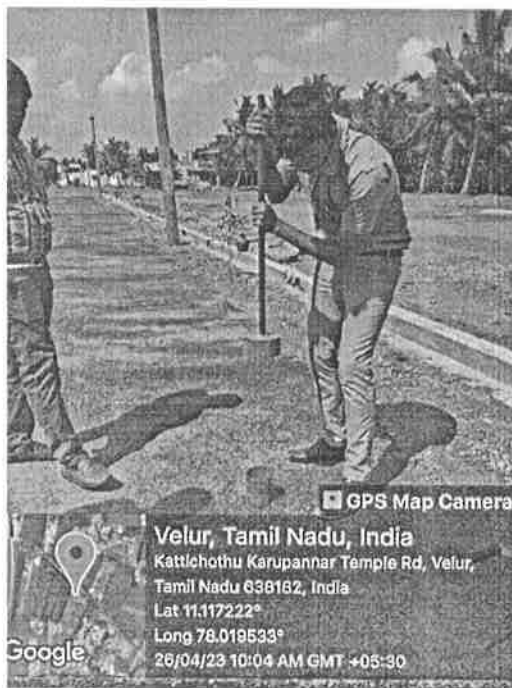


Fig. 2 Road cross section Measurement





2. Storm Water Drains

Storm water drains were provided on the side of the roads having side wall width 20 cm and width of the drainage is about 30 cm, depth of the drainage is 47 cm.

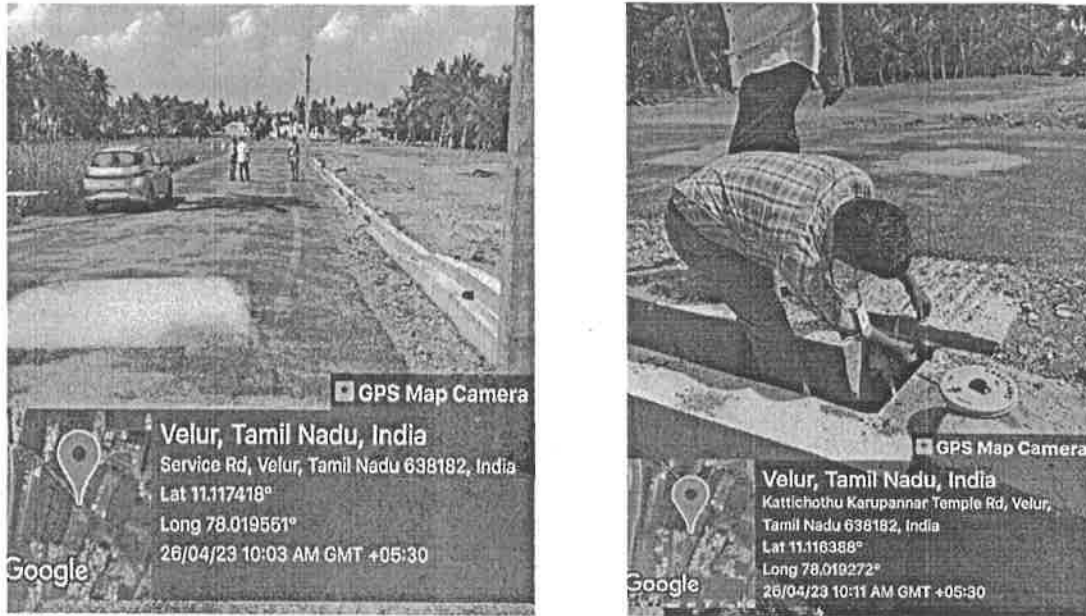


Fig. 3 Storm Water Drains cross section Measurement

3. Culverts

Culverts were provided on the road junctions over the storm water drains having a width of 0.75 m and depth of the culvert slab is found to be 150 mm.

4. Park and Reserved Site

Reserved site allocated for park is 260 sqm, public utility is 14.58 sqm and for TANGEDCO is 18.24 sqm as mentioned in the layout.

5. Fence

Diamond fencing of size 0.121 sqm along with stone pillars of 0.2 x 0.1 m and 1.68 m height were provided for the reserved site.





Fig. 4 Fence provision

6. Water Supply

Water supply lines were laid and extended up to the public supply distribution limit.

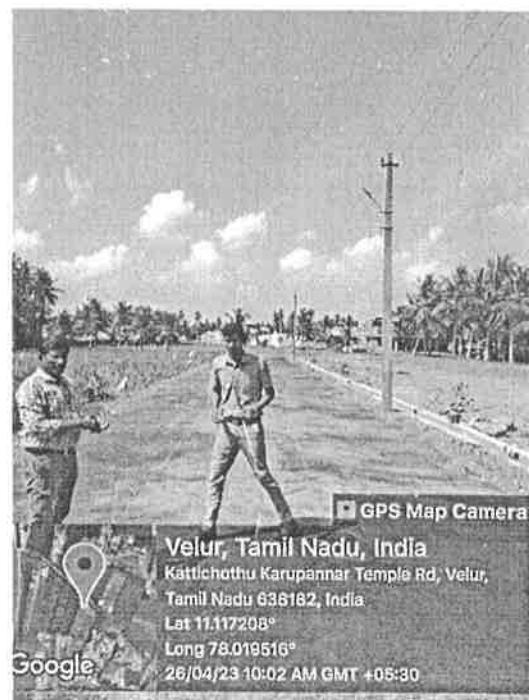
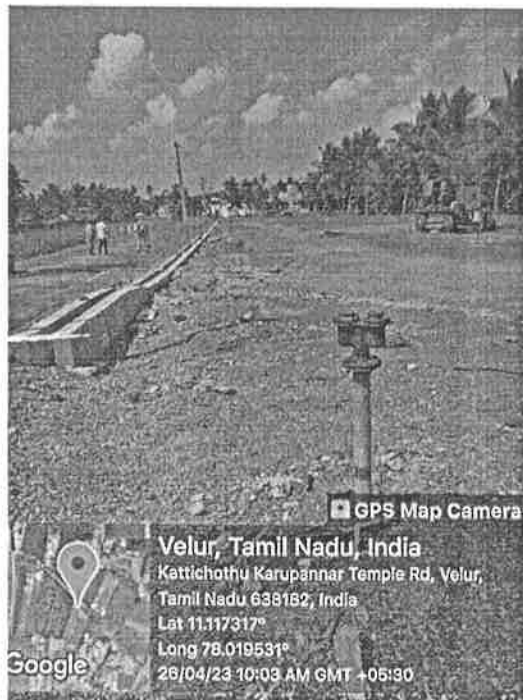


Fig. 6 Water Supply and Street Light provision





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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999




7. Street Light

Street lights were provided on regular intervals on all the roads and were connected to the power grid.


26/4/23
[R. Dineshkumar, AP/CIVIL]
Prepared by


26/4/23
Verified by
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.


26/4/23
Approved by





Re-NO: 119
(Secretary SVR Rajivani)

FOC.

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 26.4.23

CLIENT DETAILS

Name of the Client	Executive Officer, Velu Taan Prachayat
Address of the Client	Velu, Namakkal
Mobile No.	9842711636
Email ID	

SAMPLE DETAILS

Type of Sample given	
No. of. Sample given	
Name of the Test Requested	Third Party Inspection.
Purpose of Testing	
Test Report Hand over to	Mr.K.P.Nani, 213, Kuppuchipalayam, Velu.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

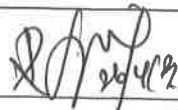
I/We Mr.K.P.Nani declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: 

Consultancy Charges

Five Thousand only

Consultancy In-Charge



HoD/Civil





M.K.UMARASAMY



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/118

DATE: 25.04.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6,
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 24.04.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 10.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.04.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : 14 days as mentioned by the client

Purpose of the work

Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample C ₁	150x150x150	8.675	662	29.42	98.07	30.16
2	Sample C ₂	150x150x150	8.340	695	30.89	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING
TEST REPORT

Report Ref. No: MKCE/CE/2022-23/117

DATE: 25.04.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 24.04.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 9 days as mentioned by the client Date of Casting : 15.04.2023 Date of Testing : 24.04.2023 Quantity Received : 2
Purpose of the work	Tie Beam
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample C ₁	150x150x150	8.395	592	26.31	87.70	26.18
2	Sample C ₂	150x150x150	8.665	586	26.04	86.81	

Reference (According to IS-456:2000):

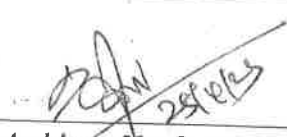
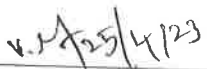
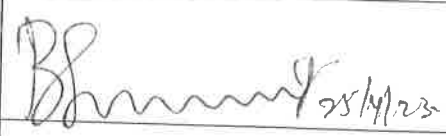
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by – Mr. G. Balaji, AP/Civil	 Verified by – HoD/Civil	 Approved by - Principal
---	--	--

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re.No: 117,118



M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 204 Date : 25/04/2023
Rec. No. : 72/23-24 Account : COLLEGE A
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	600.00
	Total Amount	600.00

25/04/2023 2:56:22 PM

Cashier - GAUTHAMAN

Re. No: 117,118

Maharaja's Engineering College

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 24/4/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road, Karur-6
Mobile No.	8940913451
Email ID	kcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	4
Name of the Test Requested	CT Doc: 10/4/23 ; 15/4/23 ① ②
Purpose of Testing	Tie beam, Column.
Test Report Hand over to	A. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/we A. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: A. Karthi

Consultancy Charges	Rs. 600/-		
Consultancy In-Charge	<u>[Signature]</u>	HoD/Civil	<u>V.N. [Signature]</u>



M.K.UMARASAMY

COLLEGE OF ENGINEERING

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ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE)/97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/116

DATE: 24.04.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 21.04.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 24.03.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 21.04.2023
Grade of Concrete : **M30** Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample C ₁	150x150x150	8.460	716	31.82	>100	31.82

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re No : 116



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 203 Date : 25/04/2023
Rec. No. : 71/23-24 Account : COLLEGE A
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	150.00
	Total Amount	150.00

25/04/2023 2:56:03 PM

Cashier - GAUTHAMAN

De.No:116

Tel: 0436241997, Fax: 0436241998

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 21/4/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road, Karur - 6
Mobile No.	8940913251
Email ID	kc civil 333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	1
Name of the Test Requested	CT Doc: 24/4/23 ①
Purpose of Testing	Footing work
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavaplayam, Karur - 639 113.

I/we K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 150/-		
Consultancy In-Charge	<u>[Signature]</u> 21/4/23	HoD/Civil	<u>[Signature]</u> 21/4/23



M.KUMARASAMY

COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NIDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/114

DATE: 20.04.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 19.04.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 10.04.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 20.04.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client
Purpose of the work	Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample C ₁	150x150x150	8.360	585	26.00	86.67	25.44
2	Sample C ₂	150x150x150	8.440	560	24.89	82.96	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/113		DATE: 20.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 19.04.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 04.04.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 20.04.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 14 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample B ₁	150x150x150	8.460	685	30.44	>100	30.56
2	Sample B ₂	150x150x150	8.340	690	30.67	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/112 DATE: 20.04.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 19.04.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 22.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 20.04.2023 Grade of Concrete : M30 Quantity Received : 3 Age of Concrete : 28 days as mentioned by the client
Purpose of the work	Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample B ₁	150x150x150	8.585	721	32.04	>100	32.22
2	Sample B ₂	150x150x150	8.670	718	31.91	>100	
3	Sample B ₃	150x150x150	8.345	736	32.71	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Re NO: 112, 113, 114



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 187 Date : 21/04/2023
Rec. No. : 63/23-24 Account : COLLEGE A/
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	1050.00
	Total Amount	1050.00

21/04/2023 10:09:09 AM

Cashier - GAUTHAMAN

Re. No: 112, 113, 114

Thalavapalayam, Karur - 639 113

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 20/4/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	07 (3+2+2)
Name of the Test Requested	CT DUC: 22/3/23, 4/4/23, 10/4/23 (3) (2) (2)
Purpose of Testing	Footing work
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 1050/-		
Consultancy In-Charge	<u>[Signature]</u>	HoD/Civil	<u>[Signature]</u> 20/4/23



M.KUMARASAMY

COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/111		DATE: 19.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 18.04.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 03.04.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 18.04.2023 Grade of Concrete : M30 Quantity Received : 5 Age of Concrete : 14 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.585	681	30.27	>100	29.48
2	Sample A ₂	150x150x150	8.670	602	26.76	89.19	
3	Sample A ₃	150x150x150	8.345	645	28.67	95.56	
4	Sample A ₄	150x150x150	8.785	685	30.44	>100	
5	Sample A ₅	150x150x150	8.640	703	31.24	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No: 11)



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 186 Date : 21/04/2023
Rec. No. : **62/23-24** Account : COLLEGE A/
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	750.00
	Total Amount	750.00

21/04/2023 10:08:16 AM

Cashier - GAUTHAMAN

Re.No: 111

Thalavapalayam, Karur, Tamilnadu

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 18/4/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kkcni333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	05
Name of the Test Requested	CT, Doc: 3/4/23 (5)
Purpose of Testing	Footing work.
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 750/-		
Consultancy In-Charge	<u>[Signature]</u> 18/4/23	HoD/Civil	<u>[Signature]</u> 18/4/23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/110

DATE: 13.04.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 13.04.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 16.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 13.04.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client
Purpose of the work	Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.870	712	31.64	>100	31.64

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Seal



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/109		DATE: 13.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 11.04.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 04.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 11.04.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.670	492	21.87	72.89	22.38
2	Sample A ₂	150x150x150	8.530	515	22.89	76.30	

Reference (According to IS-456:2000):


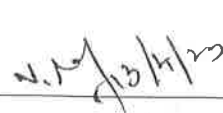
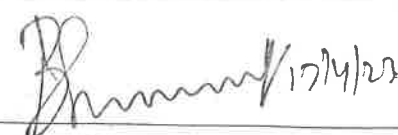
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/108

DATE: 13.04.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 11.04.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 03.04.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 11.04.2023
Grade of Concrete : **M30** Quantity Received : 5
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

Footing and Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.420	485	21.56	71.85	21.10
2	Sample A ₂	150x150x150	8.670	466	20.71	69.04	
3	Sample A ₃	150x150x150	8.480	420	18.67	62.22	
4	Sample A ₄	150x150x150	8.565	491	21.82	72.74	
5	Sample A ₅	150x150x150	8.545	512	22.76	75.85	

Reference (According to IS-456:2000):


Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).


Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.


Tested by – Mr. G. Balaji,
AP/Civil


Verified by – HoD/Civil


Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No. 108/109/110.



M.KUMARASAMY COLLEGE OF ENGINEERING
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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 155 Date : 17/04/2023
Rec. No. : 43/23-24 Account : COLLEGE A,
Payee Name : **NEW BUILDING**
Payment Type : Regular

	Particulars	Amount(Rs.)
1	CUBE TEST	1200.00
	Total Amount	1200.00

17/4/2023 9:51:31 AM

Cashier - GAUTHAMAN



M.KUMARASAMY

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/107		DATE: 08.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 06.04.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 09.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 06.04.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.870	705	31.33	>100	31.48
2	Sample A ₂	150x150x150	8.640	712	31.64	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/106

DATE: 08.04.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 06.04.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 22.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 06.04.2023 Grade of Concrete : M30 Quantity Received : 3 Age of Concrete : 14 days as mentioned by the client
Purpose of the work	Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.670	595	26.44	88.15	27.44
2	Sample A ₁	150x150x150	8.440	612	27.20	90.67	
3	Sample A ₁	150x150x150	8.475	645	28.67	95.56	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Report No. 106 & 107



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 88 Date : 11/04/2023
Rec. No. : 31/23-24 Account : COLLEGE A
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	750.00
	Total Amount	750.00

11/04/2023 10:54:20 AM

Cashier - GAUTHAMAN



M.KUMARASAMY

COLLEGE OF ENGINEERING

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Thalavapalayam, Karur, Tamilnadu.

Report Nos 106 & 107



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 06/04/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road, Karur.
Mobile No.	8940913451
Email ID	kicivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	5
Name of the Test Requested	CT 22/3/23 9/3/23 M30
Purpose of Testing	Footing work
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: Karthi

Consultancy Charges

Rs. 750/-

Consultancy In-Charge

[Signature]
6/4/23

HoD/Civil

V.N. [Signature]
6/4/23



M.KUMARASAMY
COLLEGE OF ENGINEERING

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/105

DATE: 06.04.2023

Client Details	Tmt.R.Selvi, Block Development Officer (Block Panchayat), Paramathi. Mobile: +91 9659893366.
Client Ref. /Date	Letter Dated: 05.04.2023
Report Handover to	Mr.Kuppusamy
Sample Details	Type of Sample : Concrete Cube Date of Casting : 04.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 05.04.2023 Grade of Concrete : M25 Quantity Received : 3 Age of Concrete : 28 days as mentioned by the client
Purpose of the work	Construction of New Sub Room New Building
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.680	602	26.76	>100	25.54
2	Sample A ₂	150x150x150	8.610	498	22.13	88.53	
3	Sample A ₃	150x150x150	8.560	624	27.73	>100	

Reference (According to IS-456:2000):

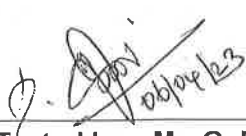


Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. NO: 105



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 65 Date : 06/04/2023
Rec. No. : 17/23-24 Account : COLLEGE A/C
Payee Name : **Tmt.R.Selvi**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	450.00
	Total Amount	450.00

06/04/2023 12:18:22 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 05/04/23

CLIENT DETAILS

Name of the Client	Tmt. R. Selvi
Address of the Client	Block development officer, (Block pan-chayat) K. Paramathi, Karur.
Mobile No.	9659893366.
Email ID	—

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	3
Name of the Test Requested	Compression Test 125 Doc: 0408123
Purpose of Testing	Construction of New Lab. Room new Building
Test Report Hand over to	Mr. Kuppusamy

DECLARATION OF THE CLIENT

To
 The Principal,
 M. Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/We Kuppusamy declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 4500/-
Consultancy In-Charge	<u>[Signature]</u> 5/4/23
	HoD/Civil
	<u>[Signature]</u> 5/4/23



M.K.UMARASAMY
COLLEGE OF ENGINEERING



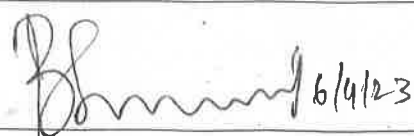

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/104		DATE: 05.04.2023					
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.						
Client Ref. /Date	Letter Dated: 31.03.2023						
Report Handover to	Mr.K.Karthi						
Sample Details	Type of Sample : Concrete Cube Date of Casting : 16.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 30.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 14 days as mentioned by the client						
Purpose of the work	Footing Work						
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST						
RESULT:							
S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A ₁	150x150x150	8.480	678	30.13	>100	30.13
Reference (According to IS-456:2000):				Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).			
Remarks:				✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.			
NOTE:				This report is given to the client based on the samples provided by them.			
 Tested by - Mr. G. Balaji, AP/Civil		 Verified by - HoD/Civil		 Approved by - Principal			
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.							

Re NO: 104



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 66 Date : 06/04/2023
Rec. No. : 18/23-24 Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	150.00
	Total Amount	150.00

06/04/2023 12:19:01 PM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
N.M.A. Accredited Autonomous Institution
Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu

Re. NO: 104

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 21/8/23
~~21/8/23~~

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road, Karur
Mobile No.	9565-893366, 8940913451
Email ID	104civil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	01
Name of the Test Requested	Compression Test
Purpose of Testing	For footing work.
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	RS. 150/		
Consultancy In-Charge	<u>K. Karthi</u>	HoD/Civil	<u>N.V. J</u> 21/8/23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/103

DATE: 03.04.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 31.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 03.03.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.04.2023
Grade of Concrete : **M30** Quantity Received : 1
Age of Concrete : **28 days** as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.560	722	32.09	>100	32.09

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

A. Balaji
3/14/23

**Tested by – Mr. G. Balaji,
AP/Civil**

V.M.
3/14/23

Verified by – HoD/Civil

[Signature]
3/14/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/102		DATE: 03.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 31.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 24.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.04.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.480	462	20.53	68.44	20.53

Reference (According to IS-456:2000):


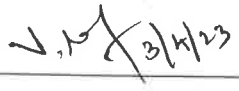
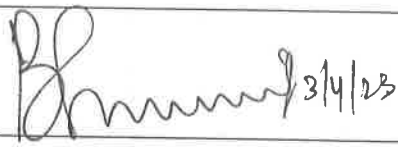

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Re. No: 102,103



M.KUMARASAMY COLLEGE OF ENGINEERING
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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 28 Date : 03/04/2023
Rec. No. : 6/23-24 Account : COLLEGE A/
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

03/04/2023 1:25:54 PM

Cashier - GAUTHAMAN



M. KUMARASAMY
COLLEGE OF ENGINEERING
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ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

Re. No : 109/103

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 31/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road Main rd
Mobile No.	8940913451
Email ID	kcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	1+1
Name of the Test Requested	Compression Test Doc: 24/3/23 3/3/23 ⊙ M ₃₀ ⊙
Purpose of Testing	Roofing work.
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 200/-		
Consultancy In-Charge	<u>[Signature]</u> 31/3/23	HoD/Civil	<u>[Signature]</u> 31/3/23



M.KUMARASAMY

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/101		DATE: 29.03.2023
Client Details	Mr.S.Gokul Raj, Sembadapalayam, Karur. Mobile: +91 9986042466.	
Client Ref. /Date	Letter Dated: 28.03.2023	
Report Handover to	Mr.S.Gokul Raj	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 20.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 28.03.2023 Grade of Concrete : M20 Quantity Received : 1 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	Roof Concrete	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.780	293	13.02	65.11	13.02

Reference (According to IS-456:2000):



Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 29/3/23	 29/3/23	 31/3/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal

Re. No: 101



**M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)**

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2541 Date : 30/03/2023
Rec. No. : 817/22-23 Account : COLLEGE A/C
Payee Name : **Mr.S.GokulRaj**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Cube test	150.00
	Total Amount	150.00

30/03/2023 11:59:36 AM

Cashier - GAUTHAMAN



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COLLEGE OF ENGINEERING
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ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

Re. No: 101

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 28/3/23

CLIENT DETAILS

Name of the Client	Mr. S. Gokul Raj
Address of the Client	Sembadapalayam, Karur.
Mobile No.	9986042466
Email ID	gokulraj_sgr18@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	1
Name of the Test Requested	Compression Test
Purpose of Testing	for Roof concrete
Test Report Hand over to	S. Gokul Raj

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we S. Gokul Raj declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: S. Gokul Raj

Consultancy Charges	RS. 150/-		
Consultancy In-Charge	<u>[Signature]</u> 28/3/23	HoD/Civil	<u>[Signature]</u> 28/3/23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/100		DATE: 30.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 29.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 22.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 29.03.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.680	519	23.07	76.89	20.89
2	Sample A ₂	150x150x150	8.610	421	18.71	62.37	

Reference (According to IS-456:2000):

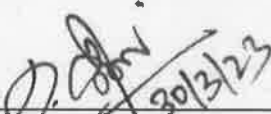
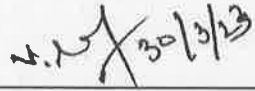
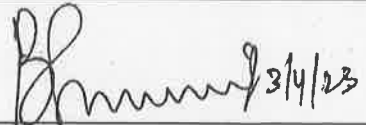
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/99		DATE: 30.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 29.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 15.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 29.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 14 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.560	688	30.57	>100	30.57

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Re. No: 99, 100



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2542 Date : 30/03/2023
Rec. No. : **818/22-23** Account : COLLEGE A/C
Payee Name : **New building**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Cube test	450.00
	Total Amount	450.00

30/03/2023 12:00:06 PM

Cashier - GAUTHAMAN



M. KUMARASAMY
COLLEGE OF ENGINEERING
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ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

Re. NO: 99, 100

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 29/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem bye-pass Road, Kamar-6
Mobile No.	8940913451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	3 (2+1)
Name of the Test Requested	Compression test Doc: 22/3/23 M30
Purpose of Testing	Footing wall
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges

Rs. 150/-

Consultancy In-Charge

K. Karthi

HoD/Civil

V. S. S. S. S. 29/3/23



M.K.UMARASAMY

COLLEGE OF ENGINEERING

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/98		DATE: 28.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 27.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 26.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 27.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.680	744	33.07	>100	33.07

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.	PRINCIPAL M. Kumarasamy College THALAVAPALI KARUR - 639 113 Seal
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M.KUMARASAMY

COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/97

DATE: 25.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 25.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 25.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 25.03.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.580	644	28.62	95.41	30.87
2	Sample A ₁	150x150x150	8.710	745	33.11	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of
LAVAPALA
UR - 635 :
Seal



M.KUMARASAMY

COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/96

DATE: 25.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 24.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 10.03.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.03.2023
Grade of Concrete : **M30** Quantity Received : 1
Age of Concrete : **14 days** as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.500	608	27.02	90.07	27.02

Reference (According to IS-456:2000):


Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).


Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.


Tested by – Mr. G. Balaji,
AP/Civil


Verified by – HoD/Civil


Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113
Seal

Re. No. 96, 97, 98



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)




THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2506 Date : 28/03/2023
Rec. No. : 795/22-23 Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Concrete cube (compression test)	600.00
	Total Amount	600.00

28/03/2023 11:45:21 AM


Cashier - NIRMALA K



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 27/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, keaswet
Mobile No.	8740913451
Email ID	KKcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	(+ 2+)
Name of the Test Requested	Compression Test
Purpose of Testing	for footing work
Test Report Hand over to	K. Kasthu

DECLARATION OF THE CLIENT

To
 The Principal,
 M. Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/we K. Kasthu declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Kasthu

Consultancy Charges	Rs. 600/-		
Consultancy In-Charge		HoD/Civil	<u>V. M. / 27/3/23</u>



M.K.UMAKASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT (Seenivasan Nagar) – THIRD PARTY INSPECTION

CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/95

DATE: 25.03.2023

Client Details

Ms.Banu Jeyarani,
Executive Officer,
Uppidamangalam Panchayat,
Karur.

Client Ref. /Date

Ref.No.63/2023; Letter dated: 17.03.2023

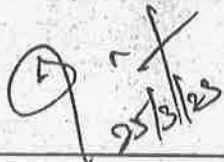
Report Handover to

S.Sureshkumar, S.Sathishkumar, S.Radhakrishnan, S.Prakash, G.Parasuraman

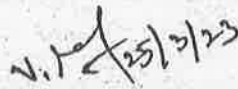
Plot Details

SF.No. 961/1, 961/2, 965/2, 965/3A Seenivasan Nagar,
Uppidamangalam Panchayat,
Karur.

Based on the inspection carried out on 23rd March 2023, 02.00 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.


25/3/23

Tested by – Mr. S. Ramkumar &
Mr. N.P.Srinivasan, AP/Civil


25/3/23

Verified by – HoD/Civil


25/3/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajiq.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



Inspection Report

Uppidamangalam Executive Officer in her letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at SF.No. 961/1, 961/2, 965/2, and 965/3A, Seenivasan Nagar, Uppidamangalam Panchayat, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in SF.No. 961/1, 961/2, 965/2, and 965/3A, Seenivasan Nagar, Uppidamangalam Panchayat, Karur on 23rd March 2023, 02.00 p.m.

The area of land having proposed residential layout is about 7.355 acre (29772 sqm). The proposed plots are 131 and allocated plots is 130. Fig. 1 shows the approved residential layout.

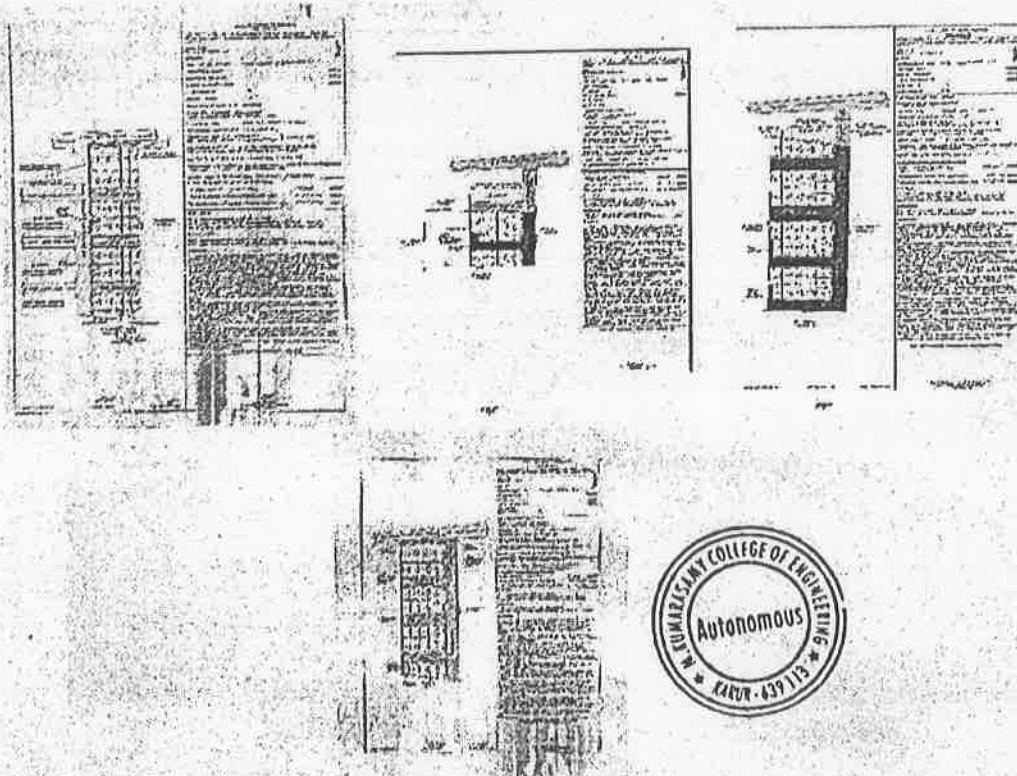


Fig. 1 Approved residential layout



The observations found during the inspection were listed below:

1. Roads

The plot consists of two different types of bituminous concrete roads having splay length of 3.43m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I (Main)	Type II (Sub)
Width of the road	11.8 m	8.815 m
Formation width/Carriage way	7 m	5.14 m
Granular sub-base (GSB)	12 cm	12 cm
Wet Mix (WM)	8 cm	8 cm
Bituminous Concrete (BC)	3 cm	3 cm

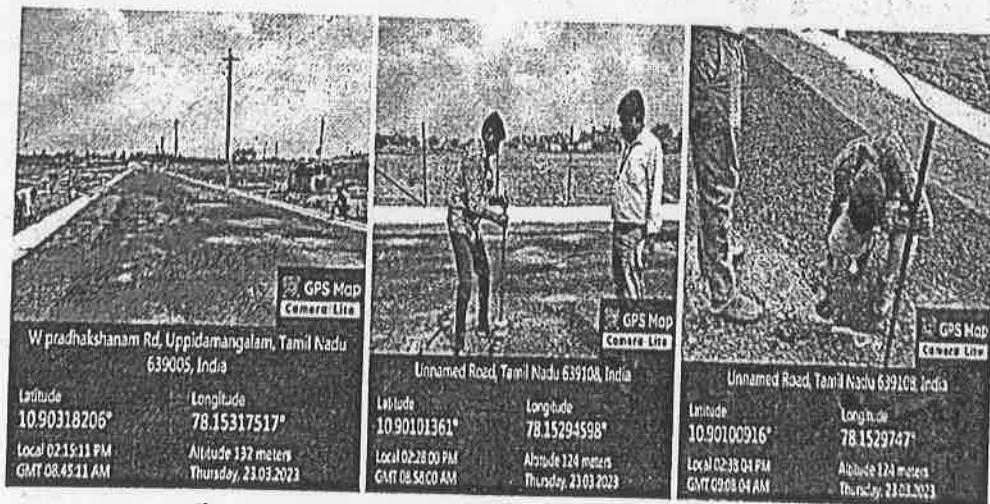


Fig. 2 Road width and cross section measurement





2. Storm water drains

Storm water drains were provided on both sides of the roads having side wall width 23.5 cm, drainage width 40 cm and drainage depth 44 cm.



Fig. 3 Storm water drain measurement

3. Culverts

Culverts were provided on the road junctions over the storm water drains having a width of 0.435 m and the thickness of culvert slab is found to be 230 mm with a splay length of 3.43 m.

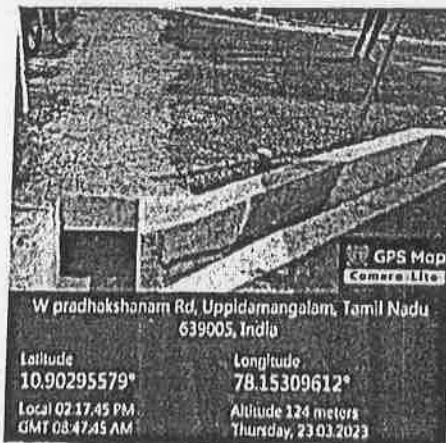


Fig. 4 Culvert measurement





4. Fencing of Park and reserved site

Fencing is done in the site with Steel type and reserved site is also provided for TANGEDCO.

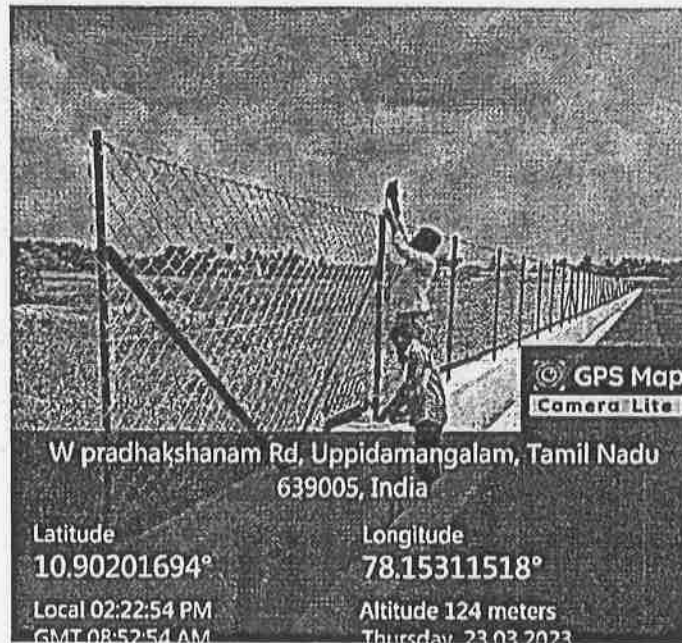


Fig. 5 Provision of Fencing

5. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.



Fig. 6 Pipeline Connection





6. Streetlight

Streetlights were provided at the site at several locations.



Fig. 7 Provisions of Powerlines & Streetlights

Prepared by *[Signature]* 25/3/23

Verified by *[Signature]* 25/3/23

Approved by *[Signature]* 25/3/23



Report No. 95



**M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)**

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2496 Date : 25/03/2023
Rec. No. : 791/22-23 Account : COLLEGE A/C
Payee Name : **S.SURESHKUMAR & S.SATHISHKUMAR**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	THIRD PARTY INSPECTION CERTIFICATE	7000.00
	Total Amount	7000.00

25/03/2023 4:55:50 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 17/3/23.

CLIENT DETAILS

Name of the Client	S. Sureshkumar & S. Sathish Kumar.
Address of the Client	Uppidamangalam, Karur.
Mobile No.	9677345887 9677345887
Email ID	-

SAMPLE DETAILS

Type of Sample given	-
No. of Sample given	-
Name of the Test Requested	Third Party Inspection Certificate.
Purpose of Testing	-
Test Report Hand over to	K. Rajasekaran.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we K. Rajasekaran. declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Rajasekaran

Consultancy Charges	Rs. 7000/-		
Consultancy In-Charge	<u>[Signature]</u> 17/3/23.	HoD/Civil	<u>[Signature]</u> 17/3/23



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/94		DATE: 24.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 23.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 16.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.870	560	24.89	82.96	24.89

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM. KARUR - 639 113 Seal



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/93

DATE: 24.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6,
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 23.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 23.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.03.2023
Grade of Concrete : **M30** Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Footing, Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.670	714	31.73	>100	31.73

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

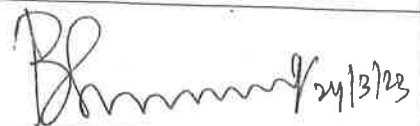
This report is given to the client based on the samples provided by them.


24/3/23

Tested by – Mr. G. Balaji,
AP/Civil


24/3/23

Verified by – HoD/Civil


24/3/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal





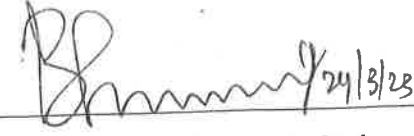
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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING TEST REPORT

Report Ref. No: MKCE/CE/2022-23/92		DATE: 24.03.2023																							
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.																								
Client Ref. /Date	Letter Dated: 23.03.2023																								
Report Handover to	Mr.K.Karthi																								
Sample Details	Type of Sample : Concrete Cube Date of Casting : 09.03.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.03.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 14 days as mentioned by the client																								
Purpose of the work	Footing Work																								
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST																								
RESULT:																									
<table border="1"><thead><tr><th>S.No.</th><th>Cube Sample</th><th>Size (mm)</th><th>Weight of the sample (kg)</th><th>Ultimate Compression Load (kN)</th><th>Compression Strength (N/mm²)</th><th>% Strength Attained</th><th>Avg. Compressive strength (N/mm²)</th></tr></thead><tbody><tr><td>1</td><td>Sample A₁</td><td>150x150x150</td><td>8.560</td><td>711</td><td>31.60</td><td>>100</td><td rowspan="2">30.29</td></tr><tr><td>2</td><td>Sample A₂</td><td>150x150x150</td><td>8.480</td><td>652</td><td>28.98</td><td>96.59</td></tr></tbody></table>	S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)	1	Sample A ₁	150x150x150	8.560	711	31.60	>100	30.29	2	Sample A ₂	150x150x150	8.480	652	28.98	96.59		
S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)																		
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2	Sample A ₂	150x150x150	8.480	652	28.98	96.59																			
Reference (According to IS-456:2000): Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).																									
Remarks: ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.																									
NOTE: This report is given to the client based on the samples provided by them.																									
 24/3/23	 24/3/23	 24/3/23																							
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal																							
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal																							

R2.NO: 92/93/94



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2485 Date : 24/03/2023
Rec. No. : 783/22-23 Account : COLLEGE A/C
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	600.00
	Total Amount	600.00

24/03/2023 11:32:16 AM

Cashier - GAUTHAMAN



Re. No : 92, 93, 94



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 23/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road, Karur - 6
Mobile No.	8940913451
Email ID	kkcivil33@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube		
No. of Sample given	4		
Name of the Test Requested	Compression Test ①	23/2/23 ②	9/3/23 ①
Purpose of Testing	for Footing, column work		
Test Report Hand over to	Mr. K. Karthi		

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 600/-		
Consultancy In-Charge	<u>[Signature]</u> 23/3/23	HoD/Civil	<u>[Signature]</u> 23/3/23



M.KUMARASAMY COLLEGE OF ENGINEERING

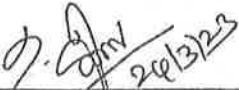
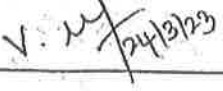


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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/91		DATE: 24.03.2023					
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.						
Client Ref. /Date	Letter Dated: 22.03.2023						
Report Handover to	Mr.K.Karthi						
Sample Details	Type of Sample : Concrete Cube Date of Casting : 22.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 23 .03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client						
Purpose of the work	Footing Work						
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST						
RESULT:							
S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.310	682	30.31	>100	30.31
Reference (According to IS-456:2000):				Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).			
Remarks:				✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.			
NOTE:				This report is given to the client based on the samples provided by them.			
 Tested by – Mr. G. Balaji, AP/Civil		 Verified by – HoD/Civil		 Approved by - Principal			
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.							



M.KUMARASAMY COLLEGE OF ENGINEERING

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ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/89

DATE: 24.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 22.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 22.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 23 .03.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Belt Beam Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₃	150x150x150	8.870	702	31.20	>100	31.20

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/88

DATE: 24.03.2023

Client Details

Now Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 22.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 22.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 23 .03.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₂	150x150x150	8.740	715	31.78	>100	31.78

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix issuitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No. 88,89,91



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2486 Date : 24/03/2023
Rec. No. : 784/22-23 Account : COLLEGE A/C
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	450.00
	Total Amount	450.00

24/03/2023 11:32:39 AM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
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 Thalavapalayam, Karur, Tamilnadu.



Re. No: 88/8991

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 23/3/23
 (22/3/23)

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road, Karur-6
Mobile No.	8940913457
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	3 Concrete cube
No. of. Sample given	3 (1+1+1)
Name of the Test Requested	Compression Test 22/2/23/DOL (3) M30
Purpose of Testing	Roofing work
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 450/-
Consultancy In-Charge	<u>[Signature]</u> 23/3/23
	HoD/Civil
	<u>[Signature]</u> 23/3/23



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/85		DATE: 14.03.2023
Client Details	Mr.N.Vinoth, Salem Bye-Pass Road, Karur -6. Mobile: +91 9843086906, Email: vimalnathkn@gmail.com	
Client Ref. /Date	Letter Dated: 14.03.2023	
Report Handover to	Mr.N.Vinoth	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 04.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 15.03.2023 Grade of Concrete : M20 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₂	150x150x150	7.770	320	14.22	71.11	14.22

Reference (According to IS-456:2000):

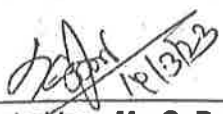
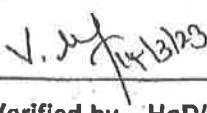
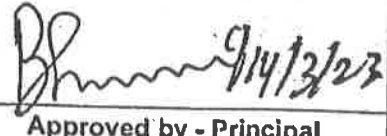

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are not attained the recommended compressive strength. So, the given mix is not suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/84

DATE: 14.03.2023

Client Details

Mr.N.Vinoth,
Salem Bye-Pass Road, Karur -6.
Mobile: +91 9843086906, Email: vimalnathkn@gmail.com

Client Ref. /Date

Letter Dated: 14.03.2023

Report Handover to

Mr.N.Vinoth

Sample Details

Type of Sample : Concrete Cube Date of Casting : 03.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 14.03.2023
Grade of Concrete : M20 Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	7.700	310	13.78	68.88	14.00

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are not attained the recommended compressive strength. So, the given mix is not suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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Thalavapalayam, Karur, Tamilnadu.



Re. No: 84/85

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 4/3/23

CLIENT DETAILS

Name of the Client	Mr. Vinoth
Address of the Client	Karur-6
Mobile No.	8778289966
Email ID	-

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	2 (1+1)
Name of the Test Requested	Compression Test D.O.C: 3/2/23 G. No 28 days sample
Purpose of Testing	Roof concrete
Test Report Hand over to	Karthikeyan, K.

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Karthikeyan declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: Karthikeyan

Consultancy Charges	Rs. 300/-		
Consultancy In-Charge	<u>Karthikeyan</u> 4/3/23	HoD/Civil	<u>Karthikeyan</u> 4/3/23

Re. No : 84/85



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2422 Date : 14/03/2023
Rec. No. : 753/22-23 Account : COLLEGE A/
Payee Name : Mr.Vinoth
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

14/03/2023 12:00:51 PM

Cashier - GAUTHAMAN



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/87		DATE: 14.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 13.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 12.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 13.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	Belt beam work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample F ₁	150x150x150	8.390	685	30.11	>100	30.11

Reference (According to IS-456:2000):

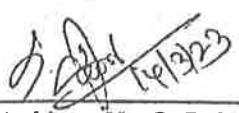
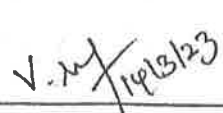


Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix issuitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/86

DATE: 14.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 13.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 12.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 13.03.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample E ₁	150x150x150	8.160	676	30.08	>100	30.08

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix issuitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/83 DATE: 14.03.2023

Client Details
New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date
Letter Dated: 13.03.2023

Report Handover to
Mr.K.Karthi

Sample Details
Type of Sample : Concrete Cube Date of Casting : 12.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 13.03.2023
Grade of Concrete : M30 Quantity Received : 4
Age of Concrete : 28 days as mentioned by the client

Purpose of the work
Footing Work

Type of Test
COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.670	651	28.93	96.44	31.80
2	Sample D ₂	150x150x150	8.540	780	34.67	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Mr. G. Balaji
14/3/23

Tested by – Mr. G. Balaji,
AP/Civil

V. S. Karthi
14/3/23

Verified by – HoD/Civil

Principal
14/3/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +01 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/82

DATE: 14.03.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 13.03.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 26.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 13.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 14 days as mentioned by the client
Purpose of the work	Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.590	688	30.58	>100	30.58

Reference (According to IS-456:2000):

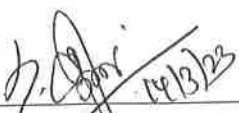

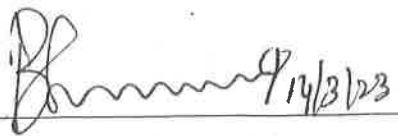
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 14/3/23	 14/3/23	 14/3/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal

Re. No: 82, 83, 86, 87



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2421 Date : 14/03/2023
Rec. No. : 752/22-23 Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	750.00
	Total Amount	750.00

14/03/2023 12:00:16 PM

Cashier - GAUTHAMAN



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COLLEGE OF ENGINEERING
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Thalavapalayam, Karur, Tamilnadu.

Re. NO: 82, 83, 86, 87



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 13/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6.
Mobile No.	8940918451
Email ID	kkeviril23@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	4+1
Name of the Test Requested	Compression test D.Oc 26/2/23 ① 14 D.Oc 12/2/23 ④ 28
Purpose of Testing	Footing work
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 750/-		
Consultancy In-Charge	<u>K. Karthi</u> 13/3/23	HoD/Civil	<u>K. Karthi</u> 13/3/23



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/80

DATE: 11.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 11.03.2023

Report handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 25.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 10.03.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 14 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.700	718	31.91	>100	31.91

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





M. KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
Approved by ASCIE & Affiliated to Anna University
ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

Re. No: 8181

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 11/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940918451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	1+1
Name of the Test Requested	Compression Test DOC :- 25/2/23 ②
Purpose of Testing	Footing wall
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 300/-		
Consultancy In-Charge	<u>[Signature]</u> 11/3/23	HoD/Civil	<u>N.M.</u> 13/3/23

Re: NO: 80,81



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2414 Date : 13/03/2023
Rec. No. : 745/22-23 Account : COLLEGE A
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

13/03/2023 12:14:27 PM

Cashier - GAUTHAMAN



M.K.UMARASAMY COLLEGE OF ENGINEERING

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/79		DATE: 11.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 10.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 03.03.2023 Size of the Sample : 150 x 150 x 150 mm, Date of Testing : 10.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.740	699	31.07	>100	31.07

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113.
		Seal

Re. No: 79



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2415 Date : 13/03/2023
Rec. No. : 746/22-23 Account : COLLEGE A
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	150.00
	Total Amount	150.00

13/03/2023 12:15:11 PM

Cashier - GAUTHAMAN

Re. No: 175



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Thalavapalayam, Karur, Tamilnadu.



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 10/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940 913451
Email ID	kk civil 333 @ gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	1
Name of the Test Requested	Compression Test DOC: 2/3/23 ① M30
Purpose of Testing	Footing work.
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

<p>To The Principal, M.Kumarasamy College of Engineering, Thalavapalayam, Karur - 639 113.</p> <p>I/we <u>K. Karthi</u> declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.</p> <p align="right">Signature: <u>K. Karthi</u></p>			
Consultancy Charges	Rs. 150/-		
Consultancy In-Charge	<u>[Signature]</u> 10/3/23	HoD/Civil	<u>V. S. / 10/3/23</u>



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/78		DATE: 11.03.2023	
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		
Client Ref. /Date	Letter Dated: 09.03.2023		
Report Handover to	Mr.K.Karthi		
Sample Details	Type of Sample : Concrete Cube Date of Casting : 09.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 09.03.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client		
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST		

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₃	150x150x150	8.170	655	30.22	>100	30.22

Reference (According to IS-456:2000):


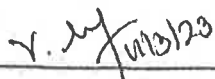
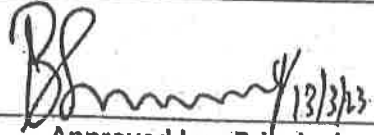

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



M.KUMARASAMY COLLEGE OF ENGINEERING


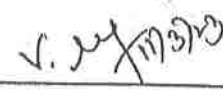
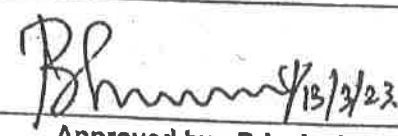

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/77		DATE: 11.03.2023					
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.						
Client Ref. /Date	Letter Dated: 08.03.2023						
Report Handover to	Mr.K.Karthi						
Sample Details	Type of Sample : Concrete Cube		Date of Casting : 07.02.2023		Date of Testing : 08.03.2023		
	Size of the Sample : 150 x 150 x 150 mm		Grade of Concrete : M30		Quantity Received : 1		
	Age of Concrete : 28 days as mentioned by the client						
Purpose of the work	Footing Work						
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST						
RESULT:							
S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₂	150x150x150	8.450	781	34.71	>100	34.71
Reference (According to IS-456:2000): Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).							
Remarks: ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.							
NOTE: This report is given to the client based on the samples provided by them.							
 Tested by – Mr. G. Balaji, AP/Civil		 Verified by – HoD/Civil		 Approved by - Principal			
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balaji.g.civil@mkce.ac.in Mobile: +91 8870881397.							



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/76

DATE: 11.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 08.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 26.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 09.03.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 9 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₂	150x150x150	8.680	733	32.58	>100	32.58

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/75		DATE: 07.03.2023
Client Details	Mr.N.Vinoth, Salem Bye-Pass Road, Karur -6. Mobile: +91 9843086906, Email: vimalnathkn@gmail.com	
Client Ref. /Date	Letter Dated: 06.03.2023	
Report Handover to	Mr.N.Vinoth	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 03.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 06.03.2023 Grade of Concrete : M20 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.420	468	20.80	>100	20.80

Reference (According to IS-456:2000):


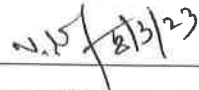
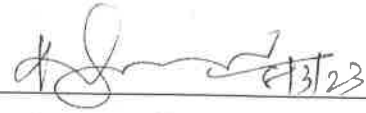

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by – Mr. G. Balaji, AP/Civil	 Verified by – HoD/Civil	 Approved by – Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal

Re NO: 17



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2368 Date : 08/03/2023
Rec. No. : 721/22-23 Account : COLLEGE A
Payee Name : N.VINOTH
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	150.00
	Total Amount	150.00

08/03/2023 10:15:30 AM

Cashier - GAUTHAMAN



M.KUMARASAMY
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Thalavapalayam, Karur, Tamilnadu.

Re. NO : 75

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 6/3/23

CLIENT DETAILS

Name of the Client	N. Vinith
Address of the Client	Salem Bypass road, Karur.
Mobile No.	9843086906
Email ID	vimalnathkn@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	01
Name of the Test Requested	Compression Test Map Doc: 3/2/23
Purpose of Testing	Site Work
Test Report Hand over to	Mr. Sabarinathan.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we Sabarinathan declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: Sabarinathan

Consultancy Charges

Rs 150/-

Consultancy In-Charge

[Signature]
6/3/23

HoD/Civil

V.M 6/3/23



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/74

DATE: 07.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 07.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 26.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 07.03.2023
Grade of Concrete : **M30** Quantity Received : 1
Age of Concrete : **7 days** as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.450	685	30.44	>100	30.44

Reference (According to IS-456:2000):



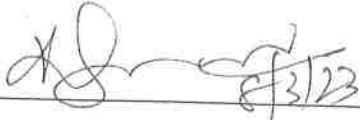

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/73

DATE: 07.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 07.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 06.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 07.03.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.320	685	30.44	>100	30.44

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples attained the recommended compressive strength. So, the given mix issuable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/72

DATE: 07.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 07.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 25.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 07.03.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 9 days as mentioned by the client

Purpose of the work

Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.450	671	29.82	99.41	29.82

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No: 72, 73, 74, 76, 77, 78



M.KUMARASAMY COLLEGE OF ENGINEERING
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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2369 Date : 08/03/2023
Rec. No. : 722/22-23 Account : COLLEGE A
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	900.00
	Total Amount	900.00

08/03/2023 10:15:56 AM

Cashier - GAUTHAMAN



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Thalavapalayam, Karur, Tamilnadu.

Re No: 72, 73, 74, 75, 77, 78



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 07/03/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur - 6
Mobile No.	8940913451
Email ID	krcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube												
No. of. Sample given	6 (1+3+2)												
Name of the Test Requested	<table border="0"> <tr> <td>Compression Test</td> <td>DOC</td> <td>DOC</td> <td>DOC</td> </tr> <tr> <td></td> <td>26/2/23</td> <td>6/2/23</td> <td>25/2/23</td> </tr> <tr> <td></td> <td></td> <td colspan="2">M30 (individual report)</td> </tr> </table>	Compression Test	DOC	DOC	DOC		26/2/23	6/2/23	25/2/23			M30 (individual report)	
Compression Test	DOC	DOC	DOC										
	26/2/23	6/2/23	25/2/23										
		M30 (individual report)											
Purpose of Testing	Roofing work												
Test Report Hand over to	K. Karthi												

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature:

Consultancy Charges	Rs. 900/-		
Consultancy In-Charge		HoD/Civil	



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/71		DATE: 03.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 03.03.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 17.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.03.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 14 days as mentioned by the client	
Purpose of the work	For Site Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.800	632	28.09	93.63	28.76
2	Sample D ₂	150x150x150	8.600	662	29.42	98.07	

Reference (According to IS-456:2000):


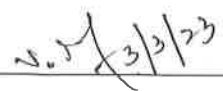
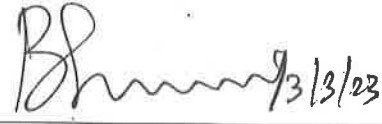
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal

Re.No : 71



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2345 Date : 03/03/2023
Rec. No. : 704/22-23 Account : COLLEGE A,
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

03/03/2023 2:56:55 PM

Cashier - GAUTHAMAN

Re. No: 21



M.KUMARASAMY
COLLEGE OF ENGINEERING
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ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 03/03/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940713451
Email ID	kkcivil323@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2
Name of the Test Requested	Compression Test Doc: 19/2/23 ②
Purpose of Testing	Site Work
Test Report Hand over to	K. Barki

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Barki declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs 300/-		
Consultancy In-Charge	<u>[Signature]</u> 3/3/23	HoD/Civil	<u>[Signature]</u> 3/3/23



M.KUMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/70

DATE: 02.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 02.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 02.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 02.03.2023
Grade of Concrete : **M30** Quantity Received : 1
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

For Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.210	760	33.78	>100	33.78

Reference (According to IS-456:2000):



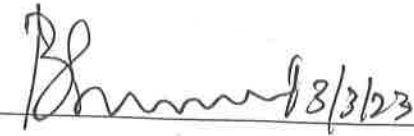
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 25/3/23	 25/3/23	 28/3/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/69

DATE: 02.03.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 02.03.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 23.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 02.03.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client
Purpose of the work	For Column & Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	9.070	511	22.71	75.70	22.38
2	Sample D ₂	150x150x150	8.890	496	22.04	73.48	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal

Re. No. 69170



M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.

TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2346 Date : 03/03/2023
Rec. No. : 705/22-23 Account : COLLEGE A/
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	450.00
	Total Amount	450.00

03/03/2023 2:57:20 PM

Cashier - GAUTHAMAN



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 Thalavapalayam, Karur, Tamilnadu.

Re. NO: 69, 70



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/3/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kk.civil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete Cube		
No. of. Sample given	2+1		
Name of the Test Requested	Compression Test	DOC - 23/2/23 ②	23/2/23 ①
Purpose of Testing	Footing, Column		
Test Report Hand over to	K. Karthi		

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 450/-		
Consultancy In-Charge	<u>[Signature]</u> 23/2/23	HoD/Civil	<u>[Signature]</u> 3/3/23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/68

DATE: 02.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 01.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 01.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 01.03.2023
Grade of Concrete : **M30** Quantity Received : 3.
Age of Concrete : **28 days** as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.280	685	30.44	>100	31.29
2	Sample D ₂	150x150x150	8.450	735	32.67	>100	
3	Sample D ₃	150x150x150	8.340	692	30.76	>100	

Reference (According to IS-456:2000):

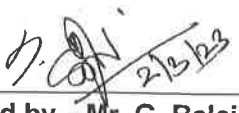

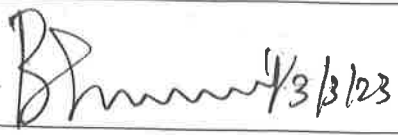
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 2/3/23	 4/3/23	 4/3/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/67

DATE: 02.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 01.03.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 22.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 01.03.2023
Grade of Concrete : **M30** Quantity Received : 3
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.240	458	20.36	67.85	21.45
2	Sample D ₂	150x150x150	8.500	524	23.29	77.63	
3	Sample D ₃	150x150x150	8.890	466	20.71	69.04	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:


This report is given to the client based on the samples provided by them.


2/3/23

Tested by – Mr. G. Balaji,
AP/Civil


2/3/23

Verified by – HoD/Civil


3/3/23

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal

Re.No : 67/18



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (D), PINCODE - 639 113.
TAMIL NADU. Phone No - 04324 270755, 272155



Receipt

Ref. No. : 2327

Date : 01/03/2023

Rec. No. : 695/22-23

Account : COLLEGE A/C

Payee Name : NEW BUILDING

Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	900.00
	Total Amount	900.00

01/03/2023 12:23:55 PM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
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Thalavapalayam, Karur, Tamilnadu.



Re. No: 67,68

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 01/03/2023

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	9940913457
Email ID	mc civil 333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	4+2=3+3
Name of the Test Requested	Compression test Doc - 22/1/23 11/2/23 ③ ③
Purpose of Testing	Roofing work
Test Report Hand over to	A. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we A. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: A. Karthi

Consultancy Charges	Rs 900/-
Consultancy In-Charge	<u>[Signature]</u> 11/3/23
	HoD/Civil
	<u>[Signature]</u> 11/3/23



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/66

DATE: 01.03.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 27.02.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 12.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 27.02.2023 Grade of Concrete : M30 Quantity Received : 4 Age of Concrete : 14 days as mentioned by the client
Purpose of the work	For Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.083	684	30.40	>100	31.32
2	Sample D ₂	150x150x150	8.522	700	31.11	>100	
3	Sample D ₃	150x150x150	8.450	729	32.40	>100	
4	Sample D ₄	150x150x150	8.470	706	31.38	>100	

Reference (According to IS-456:2000):



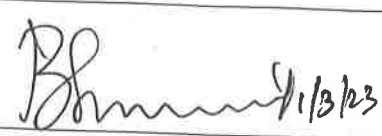
Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 01/03/23	 1/13/23	 1/13/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/65

DATE: 01.03.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 27.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 29.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 27.02.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.540	727	32.31	>100	34.20
2	Sample D ₂	150x150x150	8.610	812	36.09	>100	

Reference (According to IS-456:2000):




Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by – Mr. G. Balaji, AP/Civil	 Verified by – HoD/Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M.Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal

Re. No: 15/66



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113
TAMIL NADU Phone No: 04224 270755, 272155



Receipt

Ref. No. : 2330 Date : 01/03/2023
Rec. No. : 698/22-23 Account : COLLEGE A
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	900.00
	Total Amount	900.00

01/03/2023 4:05:29 PM

Cashier GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

Re.No: 65116

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 27/02/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	civ1833@gmail.com.

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	4+2
Name of the Test Requested	Compression Test
Purpose of Testing	Footings
Test Report Hand over to	k.karthi

Pol: 29/11/23	12/2/23
⊙	⊙
M30	M30

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We k.karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 900/-			
Consultancy In-Charge	<table border="1"> <tr> <td>[Signature]</td> <td>HoD/Civil</td> <td>[Signature]</td> </tr> </table>	[Signature]	HoD/Civil	[Signature]
[Signature]	HoD/Civil	[Signature]		



Inspection Report

Pugalur Municipal Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Ward No. 18, Punjaipugalur (North) Village, SF.No. 579/18C & 579/18D, Pugalur Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Ward No. 18, Punjaipugalur (North) Village, SF.No. 579/18C & 579/18D, Pugalur Municipality, Karur on 24th February 2023, 11.30 am.

The area of land having proposed residential layout is about 02.4161 acre (9778 sq.m). The proposed plots are 44 and allocated plots is also 13. Fig. 1 shows the approved residential layout.

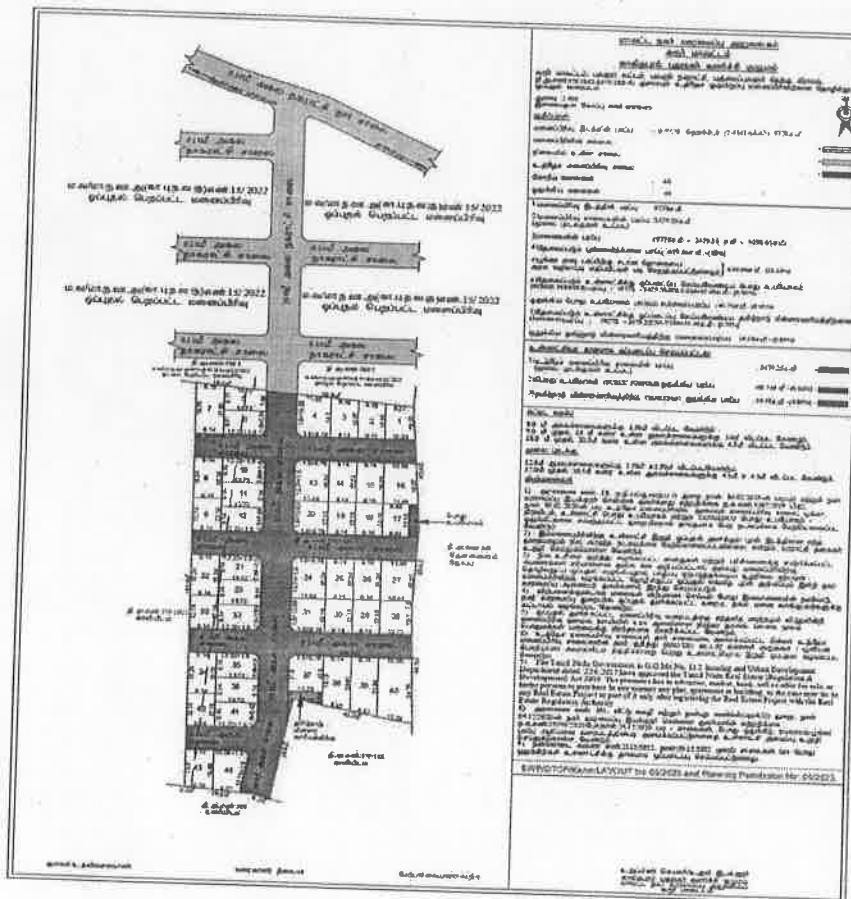


Fig. 1 Approved residential layout



The observations found during the inspection were listed below,

1. Roads

The plot consists of two different types of bituminous concrete roads having an average splay length of 2.21 m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I	Type II
Width of the road	9.6 m	8.76 m
Formation width/Carriage way	6.18 m	4.80 m
Granular sub base (GSB)	20 cm	20 cm
Wet Mix (WM)	11.5 cm	13.5 cm
Bituminous Concrete (BC)	4 cm	3 cm



Fig. 2 Road width and cross section measurement

2. Storm water drains

Storm water drains were provided on both the side of the road having an average side wall width 25.5 cm, drainage width 36.5 cm and depth of the drain is about 45 cm.



Fig. 3 Storm water drain measurement



3. Culverts

Culverts were provided on the road junctions over the storm water drains having a width of 0.36 m and the thickness of culvert slab is found to be 175 mm.



Fig. 4 Culvert measurement

4. Fencing of Park and reserved site

Chain link fencing are provided with size of 5.19 x 3.93 inch with stone pillars at 2.375 m intervals and the height of the pillar is observed about 5.75 feet. Reserved site allocated for public utility is 40.74 sq.m and for TANGEDCO is 50.58 sq.m as mentioned in the layout.



Fig. 5 Fencing measurement



5. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

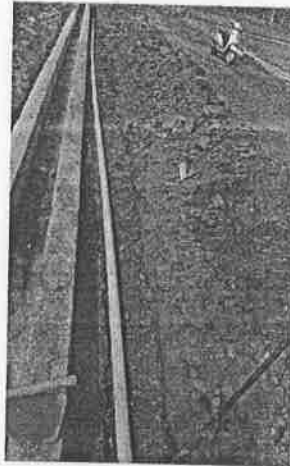


Fig. 6 Water line layout

6. Streetlight

Streetlights and electric posts were not provided on all the sides of roads. As enquired to the client for the provisions, they are paid for TNEB connection as well as arrangements done for the provisions for electric post and street light.

தமிழ்நாடு மின் உற்பத்தி மற்றும் பரிமாணக் கழகம் மின்மேல்.
கருர் மின் பரிமாணக் க.உ.ப.ம்
மின் உட்கட்சி அமைப்பு
முகவர் : The Commissioner/Municipality கமிஷன் நம்பர் : A 7131916
முகவர் எண் : 086-01/23-37 உட்கட்சி எண் :
கமிஷன் நம்பர் : TRK036RS1D740 நாள் : 02-2023-10:16:53

சரிசெய்தல்	Charges on New S.F.C. Lines (GST Exempted)	மொத்தம் (ரூ.)
TOTAL		266440/-

Two Lakhs Sixty-Six Thousand Four Hundred and Forty Only by DD
மொத்தம் (ரூ.) :
இது விவரம் :
Cheque/DD No.-758891 Date:15/02/2023 Amount:266440/- Bank:023

5(1) Support services are tax deductible under section 30(b) of the Income Tax Act, 1961. TNEB Category Code: 603. இது பற்றிய சரிசெய்தல் மீது TNEB கமிஷன் மூலம் தீர்மானம் எடுக்கப்படும். T.A. பற்றிய சரிசெய்தல் மீது TNEB கமிஷன் மூலம் தீர்மானம் எடுக்கப்படும்.

Fig. 7 Receipt for TNEB Connection

[Handwritten Signature]
24/2/23
R. Narayana
Prepared by

[Handwritten Signature]
24/2/23
Verified by
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

[Handwritten Signature]
24/2/23
Approved by
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Re. No. by



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2286 Date : 24/02/2023
Rec. No. : 677/22-23 Account : COLLEGE A/C
Payee Name : Mr. Kanagaraj K
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection	5000.00
	Total Amount	5000.00

24/02/2023 3:57:58 PM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
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ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

Re.No: 64

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 24/02/23

CLIENT DETAILS

Name of the Client	MR. K. Kaniraj
Address of the Client	Municipality, Commissioner, Pugalur (TK), Karur.
Mobile No.	9942284440
Email ID	commr. pugalur@gmail.com

SAMPLE DETAILS

Type of Sample given	-
No. of. Sample given	-
Name of the Test Requested	Third party Inspection
Purpose of Testing	-
Test Report Hand over to	Mr. Navaneethakrishnan. S

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we Navaneethakrishnan. S declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges

Rs. 5000/-

Consultancy In-Charge

[Signature]
24/2/23

HoD/Civil

[Signature]
24/2/23



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING TEST REPORT

Report Ref. No: MKCE/CE/2022-23/63

DATE: 24.02.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 24.02.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 27.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.02.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client
Purpose of the work	For Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.548	729	32.40	>100	32.40

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube sample is attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/62		DATE: 24.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 24.02.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 17.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.02.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	For Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.892	517	22.98	76.59	21.69
2	Sample D ₂	150x150x150	8.446	459	20.40	68.00	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajiq.civil@mkce.ac.in Mobile: +91 8870881397.		

Re. NO : 62,63



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2287
Rec. No. : 678/22-23
Payee Name : **NEW BUILDING**
Payment Type : Regular

Date : 24/02/2023
Account : COLLEGE A/C

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	450.00
	Total Amount	450.00

24/02/2023 3:59:23 PM

Cashier - GAUTHAMAN



M.KUMARASAMY

COLLEGE OF ENGINEERING

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Thalavapalayam, Karur, Tamilnadu.

Re.No: 02/63

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 24/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bypass road, Karur-6
Mobile No.	8940913451
Email ID	kkcivil833@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2+1
Name of the Test Requested	Compression Test
Purpose of Testing	Column & Footing Work
Test Report Hand over to	k. kauthi

D.O.C: 17/2/23
Column (2)
M30

D.O.C - 27/1/23
Footing (1)
M30

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We k. kauthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: k. kauthi

Consultancy Charges	Rs 450/-
Consultancy In-Charge	<u>[Signature]</u>
	HoD/Civil
	<u>[Signature]</u>



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/61

DATE: 24.02.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 23.02.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 09.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.02.2023 Grade of Concrete : M30 Quantity Received : 4 Age of Concrete : 14 days as mentioned by the client
Purpose of the work	For Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.525	677	30.08	>100	29.98
2	Sample D ₂	150x150x150	8.440	714	31.73	>100	
3	Sample D ₃	150x150x150	8.760	659	29.28	97.63	
4	Sample D ₄	150x150x150	8.816	649	28.84	96.15	

Reference (According to IS-456:2000):


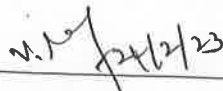
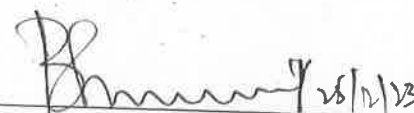

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by – Mr. G. Balaji, AP/Civil	 Verified by – HoD/Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/60

DATE: 24.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 23.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 26.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 24.02.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.089	729	32.40	>100	32.44
2	Sample D ₂	150x150x150	8.524	731	32.49	>100	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is **suitable for construction.**

NOTE:

This report is given to the client based on the samples provided by them.

G. Balaji
24/2/23

Tested by – Mr. G. Balaji,
AP/Civil

V. Jeyaraj
24/2/23

Verified by – HoD/Civil

Principal
24/2/23

Approved by – Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal

Re. No: 60/61



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2288 Date : 24/02/2023
Rec. No. : 679/22-23 Account : COLLEGE A/C
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	900.00
	Total Amount	900.00

24/02/2023 4:00:36 PM

Cashier - GAUTHAMAN



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COLLEGE OF ENGINEERING

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Thalavapalayam, Karur, Tamilnadu.



Re. Number: 69/6/



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 23/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	mkcivil333@gmail.com


SAMPLE DETAILS


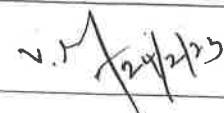
Type of Sample given	Concrete cube
No. of Sample given	4+2
Name of the Test Requested	Compression Test D.O.C - 26/1/23 D.O.C - 7/2/23  M30  M30
Purpose of Testing	Footing
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: 

Consultancy Charges	Rs. 900/-
Consultancy In-Charge	 24/2/23
HoD/Civil	 24/2/23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/59

DATE: 24.02.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 22.02.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 25.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 23.02.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 28 days as mentioned by the client
Purpose of the work	For Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.400	742	32.97	>100	32.60
2	Sample D ₂	150x150x150	8.610	725	32.22	>100	

Reference (According to IS-456:2000):




Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No: 59



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2290 Date : 24/02/2023
Rec. No. : 681/22-23 Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

24/02/2023 4:01:23 PM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
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Thalavapalayam, Karur, Tamilnadu.

Re. No: 59

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 28/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Kamr-b
Mobile No.	8940913451
Email ID	KK civil 333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	2
Name of the Test Requested	Compression Test D.oc : 25/1/23 M30
Purpose of Testing	Footing
Test Report Hand over to	Mrs. K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 300/-		
Consultancy In-Charge	<u>[Signature]</u> 28/2/23	HoD/Civil	<u>[Signature]</u> 28/2/23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/58

DATE: 22.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 21.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 24.01.2023
Size of the Sample : 150 x 150 x 150 mm. Date of Testing : 21.02.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **28 days** as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.310	587	26.09	86.96	27.44
2	Sample D ₂	150x150x150	8.240	648	28.80	96.00	

Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are not attained the recommended compressive strength. So, the given mix is **not suitable for construction.**

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal

Re. No. 58



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2289 Date : 24/02/2023
Rec. No. : 680/22-23 Account : COLLEGE A/C
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

24/02/2023 4:00:57 PM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

Re. No: 58



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 21/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass Road, Karur - 6
Mobile No.	8940912451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2
Name of the Test Requested	Compression Test / Doc: 24/1/23 M30
Purpose of Testing	Footing no. 11
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges	Rs. 500/-		
Consultancy In-Charge	<u>K. Karthi</u>	HoD/Civil	<u>K. Karthi</u>



M.KUMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT- THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/57

DATE: 24.02.2023

Client Details

Mr.K.Kaniraj,
Municipality Commissioner,
Pugalur Municipality, Velayuthampalayam Post,
Pugalur (TK), Karúr. Email: commr.pugalur@gmail.com

Client Ref. /Date

Ref.No.1187/2022/F1; Letter dated: 10.02.2023

Report Handover to

Mr.M.Gunasekaran and Suresh,
D.No. 3/37, Karaipalayam,
Nadayanur Post,
Pugalur, Karur.

Plot Details

Ward No. 16, Sembadapalayam, Punjaipugalur (North) Village,
SF.No. 278/3A,3C
Pugalur Municipality,
Karur.

Based on the inspection carried out on 21stFebruary 2023, 3.00 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.

[Handwritten Signature]
24/2/23 NP 24/2/23

[Handwritten Signature]
24/2/23

[Handwritten Signature]
24/2/23

**Tested by – Mr. P. Mukesh & Mr. N.
P. Srinivasan, AP/Civil**

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



Inspection Report

Pugalur Municipal Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Ward No. 16, Sembadapalayam, Punjaipugalur (North) Village, SF.No. 278/3A, 3C, Pugalur Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Ward No. 16, Sembadapalayam, Punjaipugalur (North) Village, SF.No. 278/3A, 3C, Pugalur Municipality, Karur on 21st February 2023, 03.00 p.m.

The area of land having the proposed residential layout is about 0.79 acre (3198 sqm). The proposed plots are 19 and allocated plots is also 19. Fig. 1 shows the approved residential layout.

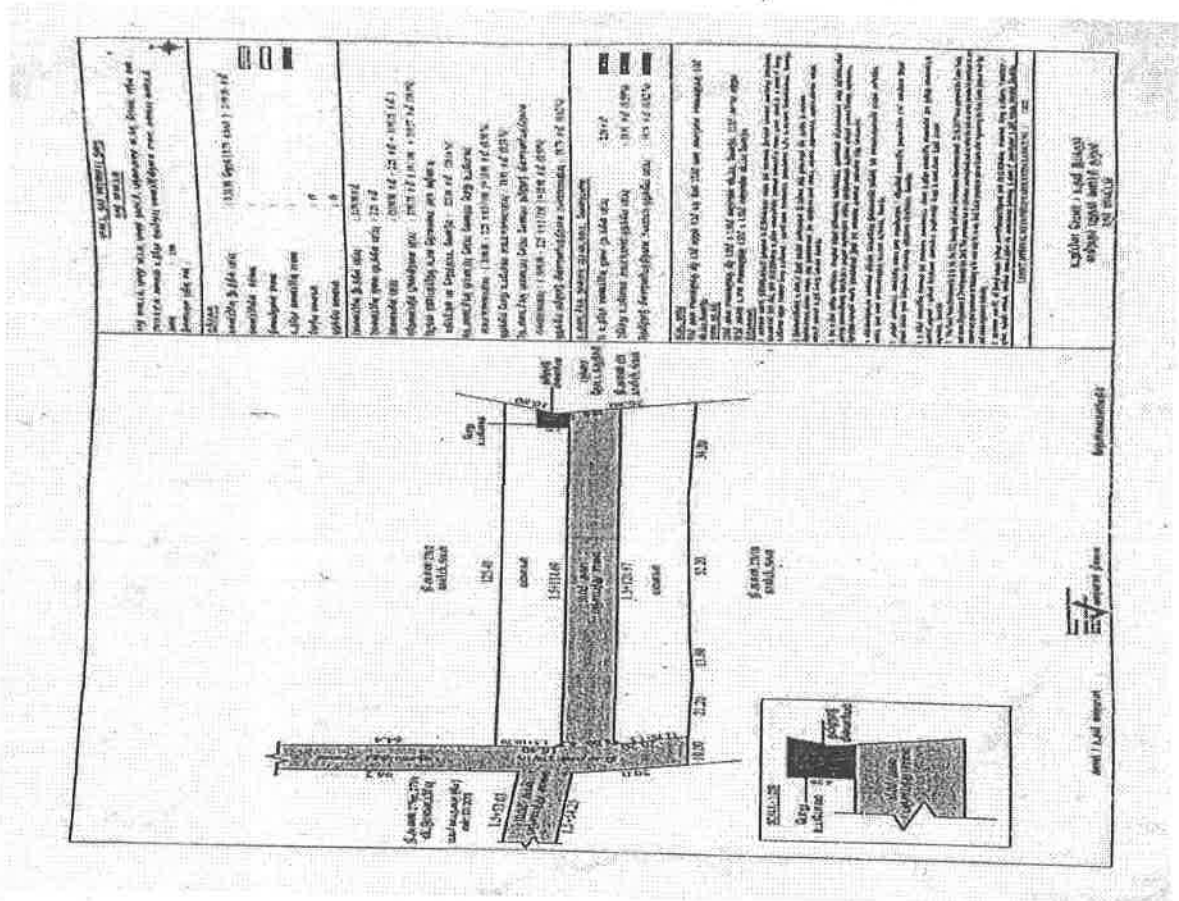


Fig. 1 Approved residential layout



The observations found during the inspection were listed below,

1. Roads

The plot consists of bituminous concrete roads. The specifications of the bituminous road as mentioned in Table 1.

Table 1. Observations at road provided.

Specifications	Type I
Width of the road	9.83 m
Formation width/Carriage way	7.05 m
Wet Mix (WM)	13.65 cm
Bituminous Concrete (BC)	3.05 cm



Fig. 2 Road width and cross section measurement

2. Storm water drains

Storm water drains were provided on both sides of the road having side wall width 23 cm, drainage width 40 cm and depth of the drain is about 42 cm.

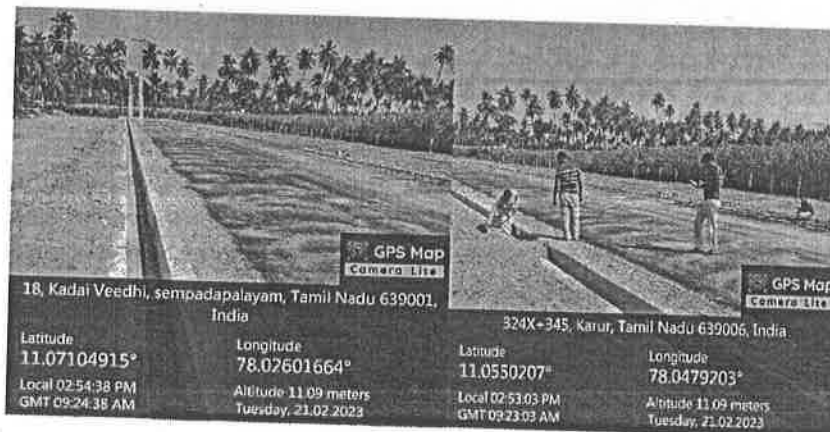


Fig. 3 Storm water drain measurement.



3. Culverts

Culverts were provided with splay length of 3.35 m on the road junctions over the storm water drains having a width of 0.77 m and the thickness of culvert slab is found to be 145 mm.



Fig. 4 Culvert measurement

4. Fencing of Park and reserved site

Chain link fencing is provided at South direction and fencing arrangements are made but not executed in North direction with size of 2x2 inch with stone pillars at 3m intervals and the height of the pillar is observed about 5.5 feet. The reserved site allocated for public utility is 18.91 sq.m and for TANGEDCO is 19.79sq.m as mentioned in the layout.



Fig. 5 Fencing Arrangements



5. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

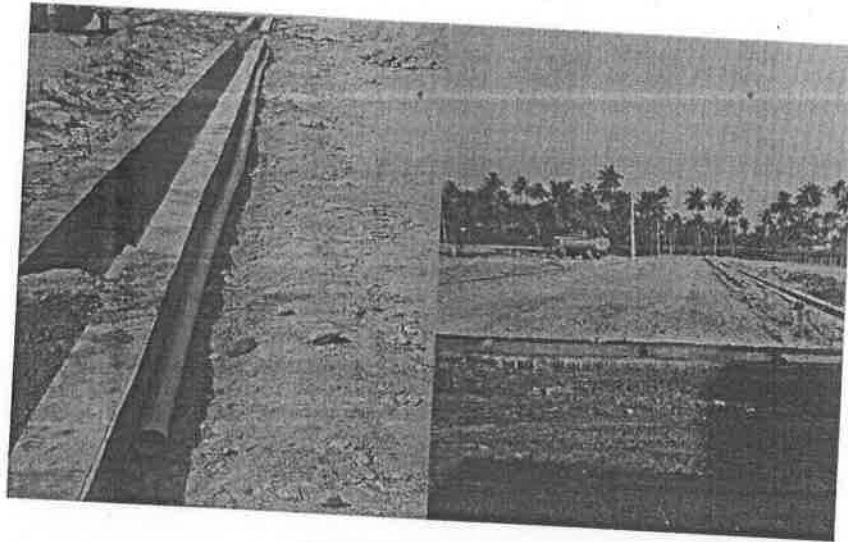


Fig. 6 Water supply Lines

6. Streetlight

Streetlight Poles with EB lines were provided on regular intervals on the road and payment document are provided for reference.



Fig. 7 Provisions of streetlight Pole

N.F. 24/2/23
Prepared by

N.A.S. 24/2/23
Verified by

Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

BS 24/2/23
Approved by

M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Re. No: 57



M. KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2284

Date : 24/02/2023

Rec. No. : 675/22-23

Account : COLLEGE A

Payee Name : Mr.K.Kaniraj

Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection Survey	5000.00
	Total Amount	5000.00

24/02/2023 2:53:19 PM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
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ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamil Nadu.

Report No: 57

KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 21/02/23

CLIENT DETAILS

Name of the Client	Mr. K. Kani Raj
Address of the Client	Manager/Commissioner Pugalur, velayudhampalayam (Post), Pugalur, Karur - 639117
Mobile No.	9842456155
Email ID	Commr. Pugalur@gmail.com

SAMPLE DETAILS

Type of Sample given	-
No. of. Sample given	-
Name of the Test Requested	Third party Inspection - Survey
Purpose of Testing	-
Test Report Hand over to	Mr. M. Gunasekaran

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Mr. Suresh declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: S. Suresh

Consultancy Charges

Rs 5000/-

Consultancy In-Charge

NP
Subbs

HoD/Civil

V.1
24/2/23





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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/56

DATE: 21.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 20.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 06.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 20.02.2023
Grade of Concrete : **M30** Quantity Received : 3
Age of Concrete : **14 days** as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.592	638	28.36	94.52	28.95
2	Sample D ₂	150x150x150	8.446	689	30.62	>100	
3	Sample D ₃	150x150x150	8.427	627	27.87	92.89	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113
Seal



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/55

DATE: 21.02.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 20.02.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 7 days as mentioned by the client Date of Casting : 12.02.2023 Date of Testing : 20.02.2023 Quantity Received : 2
Purpose of the work	For Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.386	610	27.11	90.37	26.40
2	Sample D ₂	150x150x150	8.273	578	25.69	85.63	

Reference (According to IS-456:2000):


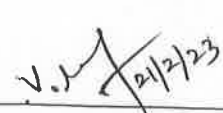

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 21/2/23	 21/2/23	 21/2/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR • 639 113 Seal

Re No: 45/50



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2271 Date : 21/02/2023
Rec. No. : 666/22-23 Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	750.00
	Total Amount	750.00

21/02/2023 11:04:05 AM

Cashier - GAUTHAMAN



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COLLEGE OF ENGINEERING
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Thalavapalayam, Karur, Tamilnadu.

KR

Re No: 55, 56

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 20/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass Road, Karur-6
Mobile No.	8940913451
Email ID	kk_civil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	5 (3+2)
Name of the Test Requested	Compression Test D.O.C: 12/2/23 D.O.C: 6/2/23 ② M30 ③ M30 M30
Purpose of Testing	Footing Work.
Test Report Hand over to	Mr K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature:

Consultancy Charges	Rs. 750/-		
Consultancy In-Charge		HoD/Civil	<u>V.S.</u> / 21/2/23



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/54		DATE: 16.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 16.02.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 02.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 16.02.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 14 days as mentioned by the client	
Purpose of the work	For Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.350	646	28.71	95.70	28.71

Reference (According to IS-456:2000):

- Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/53		DATE: 16.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref: /Date	Letter Dated: 16.02.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 09.02.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 16.02.2023 Grade of Concrete : M30 Quantity Received : 4 Age of Concrete : 7 days as mentioned by the client	
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.620	615	27.33	91.11	25.01
2	Sample D ₂	150x150x150	8.680	582	25.87	86.22	
3	Sample D ₃	150x150x150	8.800	518	23.02	76.74	
4	Sample D ₄	150x150x150	8.410	536	23.82	79.41	

Reference (According to IS-456:2000):

- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Re. NO : 53, 54



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2252 Date : 16/02/2023
Rec. No. : **657/22-23** Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	750.00
	Total Amount	750.00

16/02/2023 4:08:51 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 16/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem Bye-pass road, Karur-6
Mobile No.	970913451
Email ID	kkcivil33@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of Sample given	4+1
Name of the Test Requested	Compression Test G.M20 Footings - (4) Column - (1) Doc - 9/2/23 Doc - 2/2/23
Purpose of Testing	For Footings & Column work
Test Report Hand over to	M.K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We M.K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: M.K. Karthi

Consultancy Charges	Rs. 750/-		
Consultancy In-Charge	 16/2/23	HoD/Civil	 16/2/23



M.K.UMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/52

DATE: 14.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 14.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 01.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 14.02.2023
Grade of Concrete : **M30** Quantity Received : 3
Age of Concrete : 14 days as mentioned by the client

Purpose of the work

For Site Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.520	576	25.60	85.33	26.33
2	Sample D ₂	150x150x150	8.550	604	26.84	89.48	
3	Sample D ₃	150x150x150	8.590	597	26.53	88.44	

Reference (According to IS-456:2000):

- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

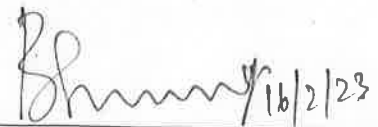
This report is given to the client based on the samples provided by them.



Tested by – Mr. G. Balaji,
AP/Civil



Verified by – HoD/Civil



Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re.No: 52



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2251 Date : 16/02/2023
Rec. No. : 656/22-23 Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	450.00
	Total Amount	450.00

16/02/2023 4:08:29 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 14/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem Bypass road, Karur-6
Mobile No.	8940913451
Email ID	kc.civil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	3
Name of the Test Requested	Compression Test G.M30 DOC - 1/2/23 Site mat.
Purpose of Testing	for site work
Test Report Hand over to	k. karthi

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/We k. karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature:

Consultancy Charges	RS. 150/-
Consultancy In-Charge	 14/2/23
HoD/Civil	N. M. 14/2/23



M.K.UMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/51

DATE: 13.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 13.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 06.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 13.02.2023
Grade of Concrete : **M30** Quantity Received : 3
Age of Concrete : **7 days** as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.496	542	24.09	80.30	23.39
2	Sample D ₂	150x150x150	8.509	513	22.80	76.00	
3	Sample D ₃	150x150x150	8.765	517	22.98	76.59	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113.

Seal



M.KUMARASAMY COLLEGE OF ENGINEERING

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ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/50

DATE: 13.02.2023

Client Details
New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date
Letter Dated: 13.02.2023

Report Handover to
Mr.K.Karthi

Sample Details
Type of Sample : Concrete Cube Date of Casting : 29.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 13.02.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : 14 days as mentioned by the client

Purpose of the work
For Footing Work

Type of Test
COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.374	509	22.62	75.41	24.07
2	Sample D ₂	150x150x150	8.553	574	25.51	85.04	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113
Seal



P.No: 9015)

M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2233 Date : 13/02/2023
Rec. No. : 648/22-23 Account : COLLEGE
Payee Name : New Building
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Copmression test	750.00
	Total Amount	750.00

13/02/2023 1:27:08 PM

Cashier - GAUTHAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
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 ISO 9001:2015 Certified Institution
 Thalavapalayam, Karur, Tamilnadu.

Re. NO: 50, 51



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 13/12/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Near Salem Bye-pass road, Camr-6.
Mobile No.	8940913451
Email ID	kckc.civil.ctr@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete Cube
No. of. Sample given	3+2
Name of the Test Requested	Compression Test Doc: 6/12/23 D.O.C 29/1/23 G.M ₃₀ → ③ → ②
Purpose of Testing	For footing work
Test Report Hand over to	K. Karthi

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/We K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]
13/12/23

Consultancy Charges	RS. 750/-
Consultancy In-Charge	[Signature] 13/12/23
	HoD/Civil
	[Signature] 13/12/23



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/49		DATE: 13.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 10.02.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 27.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 10.02.2023 Grade of Concrete : M30 Quantity Received : 1 Age of Concrete : 14 days as mentioned by the client	
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.540	708	31.47	>100	31.47

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M.Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113. Seal



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/48		DATE: 13.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 10.02.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 14.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 10.02.2023 Grade of Concrete : M30 Quantity Received : 3 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	For Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.620	591	26.27	87.56	26.84
2	Sample D ₂	150x150x150	8.460	623	27.69	92.30	
3	Sample D ₃	150x150x150	8.470	598	26.58	88.59	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are not attained the recommended compressive strength. So, the given mix is **not suitable for construction**.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113. Seal

Re.No. 48147



M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.

TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2230 Date : 13/02/2023
Rec. No. : 647/22-23 Account : COLLEGE A/
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	COMPRESSION TEDT	600.00
	Total Amount	600.00

13/02/2023 11:54:42 AM

Cashier - GAUTHAMAN



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COLLEGE OF ENGINEERING
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 Thalavapalayam, Karur, Tamilnadu.



Re no: 48,49

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 10/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kk.civil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	3+1
Name of the Test Requested	Compression Test Gr: M30 Footing - 01 DOC: 27/1/23 Column - 03 DOC: 14/1/23
Purpose of Testing	for footing & column work
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/We Mr. K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi
 10/2/23

Consultancy Charges	Rs. 600/-			
Consultancy In-Charge	<table border="1"> <tr> <td><u>K. Karthi</u> 10/2/23</td> <td>HoD/Civil</td> <td><u>V. S. S.</u> 10/2/23</td> </tr> </table>	<u>K. Karthi</u> 10/2/23	HoD/Civil	<u>V. S. S.</u> 10/2/23
<u>K. Karthi</u> 10/2/23	HoD/Civil	<u>V. S. S.</u> 10/2/23		



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/47

DATE: 09.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 09.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 02.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 09.02.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

For Column Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.245	456	20.27	67.56	20.27

Reference (According to IS-456:2000):

- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

G. Balaji
9/2/23

Tested by – Mr. G. Balaji,
AP/Civil

N. Karthi
9/2/23

Verified by – HoD/Civil

Principal
9/2/23

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/46

DATE: 09.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 09.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 26.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 09.02.2023
Grade of Concrete : M30 Quantity Received : 2
Age of Concrete : 14 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.280	646	28.71	95.70	28.80
2	Sample D ₂	150x150x150	8.535	650	28.81	96.30	

Reference (According to IS-456:2000):

- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING TEST REPORT

Report Ref. No: MKCE/CE/2022-23/45

DATE: 08.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -8.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 08.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 12.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 08.02.2023
Grade of Concrete : M30 Quantity Received : 3
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.320	712	31.64	>100	31.05
2	Sample D ₂	150x150x150	8.480	695	30.89	>100	
3	Sample D ₃	150x150x150	8.465	689	30.62	>100	

Reference (According to IS-456:2000):

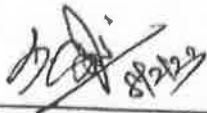
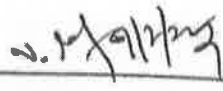

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balaji.g.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/44

DATE: 08.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 08.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 25.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 08.02.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : **14 days** as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.385	709	31.51	>100	30.49
2	Sample D ₂	150x150x150	8.290	663	29.47	98.22	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/43

DATE: 08.02.2023

Client Details
New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date
Letter Dated: 08.02.2023

Report Handover to
Mr.K.Karthi

Sample Details
Type of Sample : Concrete Cube Date of Casting : 01.02.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 08.02.2023
Grade of Concrete : M30 Quantity Received : 6
Age of Concrete : 7 days as mentioned by the client

Purpose of the work
For Footing Work

Type of Test
COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.235	519	23.07	76.89	20.87
2	Sample D ₂	150x150x150	8.145	435	19.33	64.44	
3	Sample D ₃	150x150x150	8.485	522	23.20	77.33	
4	Sample D ₄	150x150x150	8.240	350	15.56	51.85	
5	Sample D ₅	150x150x150	8.380	481	21.38	71.26	
6	Sample D ₆	150x150x150	8.490	510	22.67	75.56	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.


8/9/23

Tested by – Mr. G. Balaji,
AP/Civil


8/9/23

Verified by – HoD/Civil


10/2/23

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/42

DATE: 07.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 07.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 24.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 07.02.2023
Grade of Concrete : **M30** Quantity Received : 2
Age of Concrete : 14 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.325	609	27.07	90.22	27.38
2	Sample D ₂	150x150x150	8.440	623	27.69	92.22	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/41		DATE: 07.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	
Client Ref. /Date	Letter Dated: 07.02.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 29.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 07.02.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 10 days as mentioned by the client	
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.420	585	26.00	86.66	27.38
2	Sample D ₂	150x150x150	8.525	647	28.76	95.85	

Reference (According to IS-456:2000):


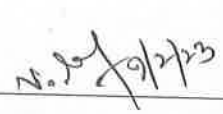
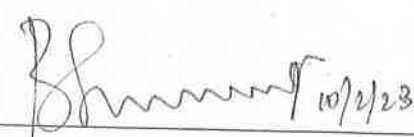
- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by – Mr. G. Balaji, AP/Civil	 Verified by – HoD/Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal

Re. No: 41,42



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2161 Date : 10/02/2023
Rec. No. : **639/22-23** Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	600.00
	Total Amount	600.00

10/02/2023 9:54:50 AM

Cashier - GAUTHAMAN



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Re. NO: 46,47



Receipt

Ref. No. : 2163 Date : 10/02/2023
Rec. No. : 641/22-23 Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	450.00
	Total Amount	450.00

10/02/2023 9:56:15 AM

Cashier - GAUTHAMAN

Re No. 43,44,45



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2162 Date : 10/02/2023
Rec. No. : **640/22-23** Account : COLLEGE A/C
Payee Name : **NEW BUILDING**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	1650.00
	Total Amount	1650.00

10/02/2023 9:55:17 AM

Cashier - GAUTNAMAN



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
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Thalavapalayam, Karur, Tamilnadu.



Re.No - 41/40

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 4/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem bye-pass road, kamb.
Mobile No.	8940913451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2 + 2
Name of the Test Requested	Compression Test H.D.O.C. 24/1/23 M30 14 days H.I.D.O.C. 29/1/23, M30 (10 th day)
Purpose of Testing	Footing work
Test Report Hand over to	Mr. K. Kauthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We K. Kauthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Kauthi
6/2/23

Consultancy Charges	Rs. 600/-		
Consultancy In-Charge	<u>[Signature]</u> 7/2/23	HoD/Civil	<u>[Signature]</u> 7/2/23



M.KUMARASAMY
COLLEGE OF ENGINEERING
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Thalavapalayam, Karur, Tamilnadu.



Re. NO: 43, 44, 45

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 8/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kic.civil@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete Cube
No. of. Sample given	11
Name of the Test Requested	Compression Test 4535 → Doc - 12/1/23 M30 4528 → Doc - 25/1/23 M30 4565 → Doc - 12/23 → M30
Purpose of Testing	Rotary work
Test Report Hand over to	M. K. LAKSHI

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/we M. K. Lakshmi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: M. K. Lakshmi
8/2/23

Consultancy Charges	Rs. 1650/-
Consultancy In-Charge	<u>[Signature]</u> 8/2/23
	HoD/Civil
	<u>[Signature]</u> 8/2/23



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Re. No: 47/48

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 9/2/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem Bye-pass road, Karur-6
Mobile No.	8940913451
Email ID	kk.civil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	3
Name of the Test Requested	Compression Test G.M30 25 → DOC: 26/1/23 - M30 15 → DOC: 2/2/23 - M30
Purpose of Testing	Footing Only, Column/cube.
Test Report Hand over to	Mr. K. Karthi

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapalayam, Karur - 639 113.

I/we K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi
 9/2/23

Consultancy Charges	Rs. 4500/-		
Consultancy In-Charge	<u>[Signature]</u>	HoD/Civil	<u>[Signature]</u>



M.K.UMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/40

DATE: 06.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 03.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 27.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.02.2023
Grade of Concrete : M30 Quantity Received : 2
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample D ₁	150x150x150	8.320	477	21.20	70.66	21.84
2	Sample D ₂	150x150x150	8.510	506	22.49	74.96	

Reference (According to IS-456:2000):

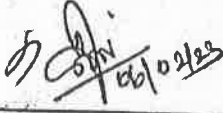
✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

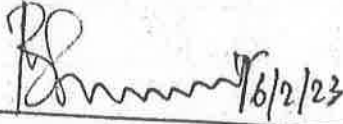
✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.


Tested by – Mr. G. Balaji,
AP/Civil


Verified by – HoD/Civil


Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No: 40



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2113 Date : 06/02/2023
Rec. No. : 623/22-23 Account : COLLEGE A/
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
	Total Amount	300.00

06/02/2023 1:19:04 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 03/02/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem Bye-pass road, Karur-6.
Mobile No.	8940913451
Email ID	kk.civil323@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	02
Name of the Test Requested	Compression Test M30 D.O.L: 27/01/23.
Purpose of Testing	Footing frame
Test Report Hand over to	MR. K. Karthi

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapiayam, Karur - 639 113.

I/We Mr. K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: K. Karthi

Consultancy Charges

Rs. 300/-

Consultancy In-Charge

HOD/Civil



M.K.UMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/39

DATE: 06.02.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 02.02.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 26.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 02.02.2023
Grade of Concrete : M30 Quantity Received : 1
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

For Footing Work

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample C ₁	150x150x150	8.240	498	25.29	73.77	22.13

Reference (According to IS-456:2000):

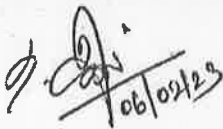
✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

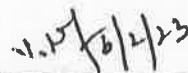
✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.


06/02/23

Tested by – Mr. G. Balaji,
AP/Civil


06/02/23

Verified by – HoD/Civil


06/02/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajiq.civil@mkce.ac.in | Mobile: +91 8870881397.



RC. NO: 39



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2114 Date : 06/02/2023
Rec. No. : 624/22-23 Account : COLLEGE A/
Payee Name : NEW BUILDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	150.00
	Total Amount	150.00

06/02/2023 1:19:21 PM

Cashier - GAUTHAMAN



RE NO: 39

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 02/02/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem Bye-Pass Road, kaur-b
Mobile No.	8940913451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	1
Name of the Test Requested	Compression Test
Purpose of Testing	Footing work
Test Report Hand over to	MR. K. KARTHI

M30/DOC
26-01-2023

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Mr. K. Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: Karthi

Consultancy Charges	Rs. 150/-
Consultancy in-Charge	<u>Karthi</u>
	<u>V. V. V. V.</u>
	HOD/Civil



M.K.UMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/38		DATE: 01.02.2023
Client Details	Vaatpokki Interiors & Builders, Velusampuram, Karur. Mobile: +91 9940140310	
Client Ref. /Date	Letter Dated: 01.02.2023	
Report Handover to	Mr.R.Nandhakumar	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 12.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 01.02.2023 Grade of Concrete : M20 Quantity Received : 3 Age of Concrete : 21 days as mentioned by the client	
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	8.320	538	23.91	>100	23.80
2	Sample A ₂	150x150x150	8.380	546	24.27	>100	
3	Sample A ₃	150x150x150	8.450	523	23.24	>100	

Reference (According to IS-456:2000):

- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re.No: 38



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113,
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 2087 Date : 01/02/2023
Rec. No. : **613/22-23** Account : COLLEGE A/C
Payee Name : **Vaatpokki interiors & builders**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Cube test	450.00
	Total Amount	450.00

01/02/2023 3:45:04 PM


Cashier - NIRMALA K



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 01/02/23

CLIENT DETAILS

Name of the Client	Yaathokki Interiors & Builders
Address of the Client	Velusamy puram, Karur - 6.
Mobile No.	9940140310
Email ID	siva.92@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	3
Name of the Test Requested	Compression test D.O.C: 12/1/23 G: M20.
Purpose of Testing	For site work
Test Report Hand over to	Mr. R. Nandhakumar

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We R. Nandhakumar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: R. Nandhakumar

Consultancy Charges

RS. 450/-

R. Nandhakumar
12/1/23

R. Nandhakumar
12/1/23

Consultancy In-Charge

HoD/Civil



M.KUMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/37

DATE: 01.02.2023

Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.
Client Ref. /Date	Letter Dated: 01.02.2023
Report Handover to	Mr.K.Karthi
Sample Details	Type of Sample : Concrete Cube Date of Casting : 25.01.2023 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 01.02.2023 Grade of Concrete : M30 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client
Purpose of the work	For Footing Work
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample B ₁	150x150x150	8.480	569	25.29	84.29	26.13
2	Sample B ₂	150x150x150	8.500	607	26.98	90.00	

Reference (According to IS-456:2000):




✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajiq.civil@mkce.ac.in | Mobile: +91 8870881397.



Re: no: 37



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)




THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 2088 Date : 01/02/2023
Rec. No. : 614/22-23 Account : COLLEGE A/
Payee Name : NEW BULIDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Cub test	300.00
	Total Amount	300.00

01/02/2023 3:46:22 PM


Cashier - NIRMALA K



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 31/01/23

CLIENT DETAILS

Name of the Client	NEW BUILDMENT
Address of the Client	SALEM BYPASS ROAD, KARUR - 6
Mobile No.	8940913451
Email ID	kkcivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Cube (Concrete)
No. of. Sample given	2
Name of the Test Requested	Compression Test 7 days G: M30 D.O.C: 24/1/23
Purpose of Testing	For site work
Test Report Hand over to	M.K. Karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We M.Karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: M.Karthi
31/1/23

Consultancy Charges	Rs. 300/-			
Consultancy In-Charge	<table border="1"> <tr> <td><u>M.Karthi</u></td> <td>HoD/Civil</td> <td>31/1/23</td> </tr> </table>	<u>M.Karthi</u>	HoD/Civil	31/1/23
<u>M.Karthi</u>	HoD/Civil	31/1/23		



M.K.UMARASAMY




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KR

MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT- THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/36		DATE: 24.01.2023
Client Details	Mr.K.Kaniraj, Municipality Commissioner, Pugalur Municipality, Velayuthampalayam Post, Pugalur (TK), Karur. Email: commr.pugalur@gmail.com	
Client Ref. /Date	Ref.No.647/2022-2/F1; Letter dated: 19.01.2023	
Report Handover to	Mr.Karthikeyan, S/O Ramasamy Gounder, D.No. 105/4, Pillayar Kovil Street, Kumaran Kudil, Punjai Thottakurichi, Pugalur, Karur.	
Plot Details	Ward No. 16, Punjaipugalur (North) Village, SF.No. 277/A1B, 278/2 Pugalur Municipality, Karur.	
Based on the inspection carried out on 24 th January 2023, 11.00 am by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.		
 N. Srinivasan 24/1/23	 V. Srinivasan 24/1/23	 24/1/23
Tested by – Mr. P. Mukesh & Mr. N. P. Srinivasan, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113. Seal



Inspection Report

Pugalur Municipal Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Ward No. 16, Punjaipugalur (North) Village, SF.No. 277/A1B, 278/2 Pugalur Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Ward No. 16, Punjaipugalur (North) Village, SF.No. 277/A1B, 278/2, Pugalur Municipality, Karur on 24th January 2023, 11.00 a.m.

The area of land having proposed residential layout is about 01.38 acre (5595 sqm). The proposed plots are 24 and allocated plots is also 22. Fig. 1 shows the approved residential layout.

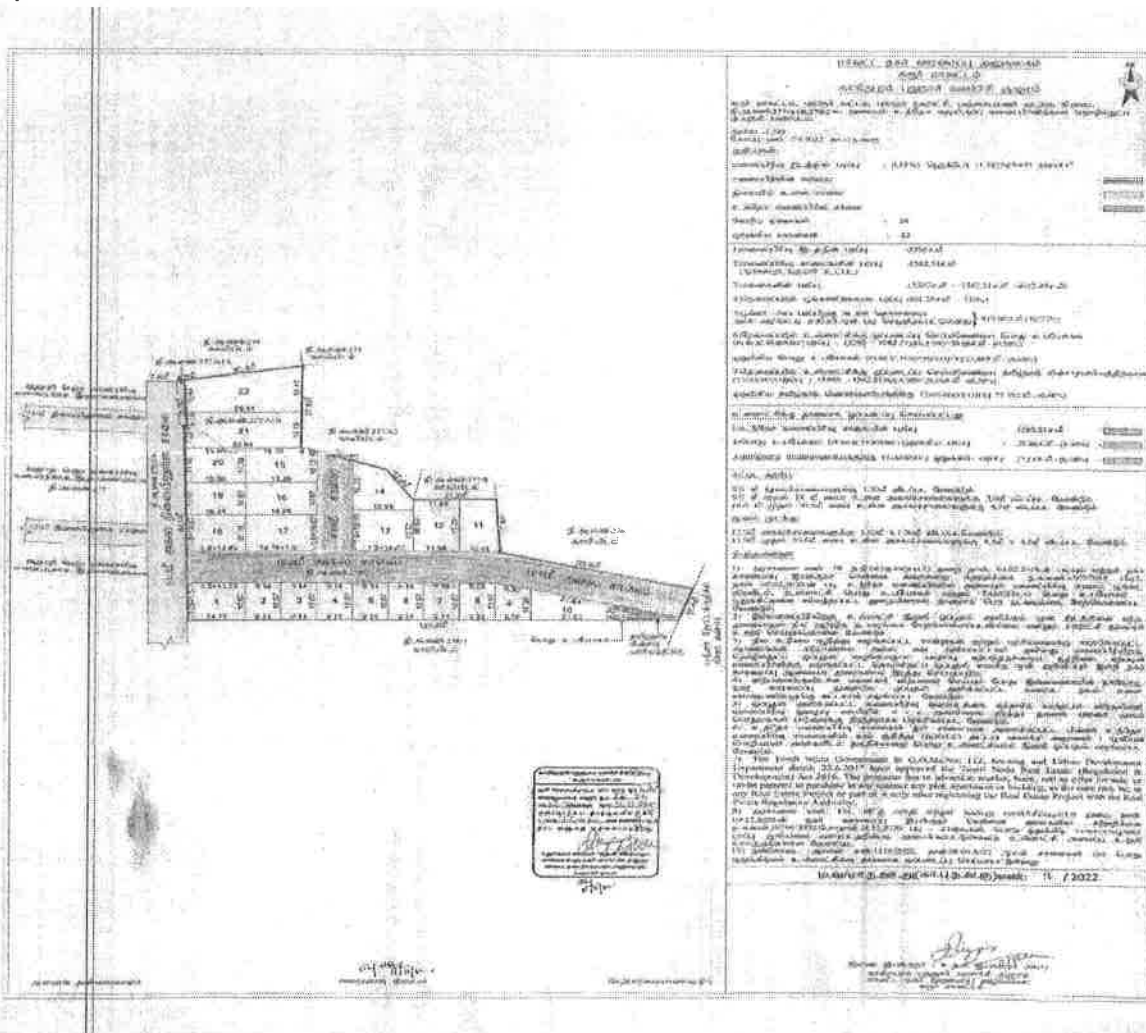


Fig. 1 Approved residential layout



The observations found during the inspection were listed below,

1. Roads

The plot consists of three different types of bituminous concrete roads having splay length of 2.5m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided.

Specifications	Type I	Type II	Type II
Width of the road	9.82 m	9.82 m	8.95 m
Formation width/Carriage way	7 m	7 m	5 m
Wet Mix (WM)	12 cm	12 cm	12 cm
Bituminous Concrete (BC)	3 cm	3 cm	3 cm



Fig. 2 Road width and cross section measurement

2. Storm water drains

Storm water drains were provided on one side (left) of the Type I road and both side of the Type II and III only having side wall width 21 cm, drainage width 38 cm and depth of the drain is about 37 cm.

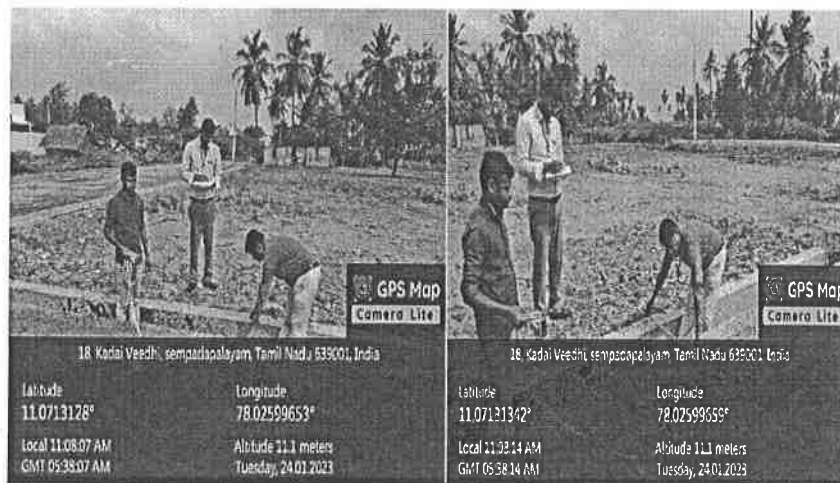


Fig. 3 Storm water drain measurement.



3. Culverts

Two Culverts were provided on the road junctions over the storm water drains having a width of 2.9 m and the thickness of culvert slab is found to be 160 mm.

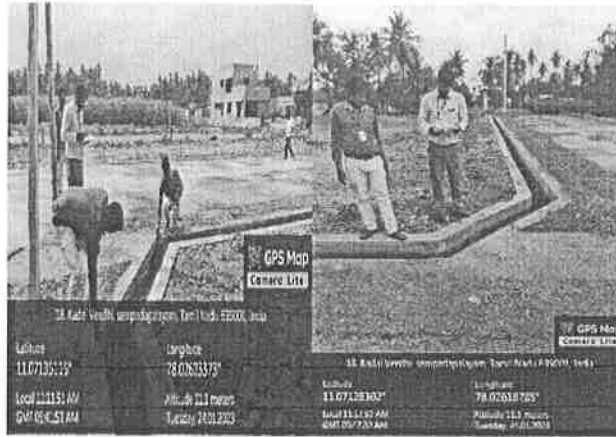


Fig. 4 Culvert measurement

4. Fencing of Park and reserved site

Chain link fencing arrangements are made and not executed with size of 2x2 inch with stone pillars at 3m intervals and the height of the pillar is observed about 5.5 feet. Reserved site allocated for public utility is 20.06 sq.m and for TANGEDCO is 20.06 sq.m as mentioned in the layout.

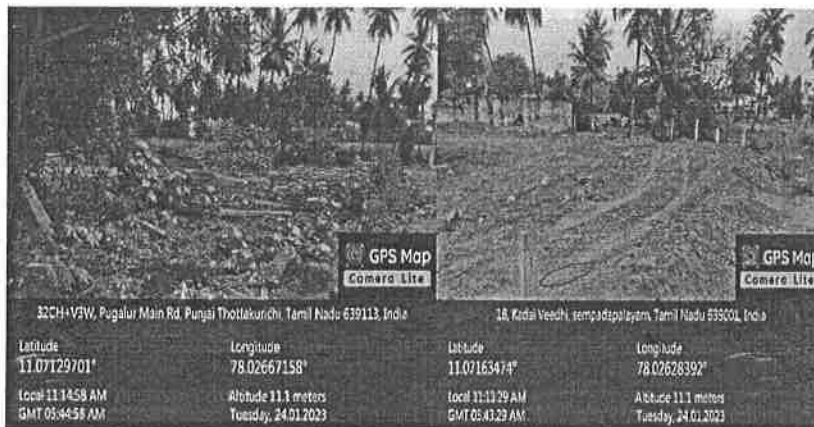


Fig. 5 Fencing Arrangements

5. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

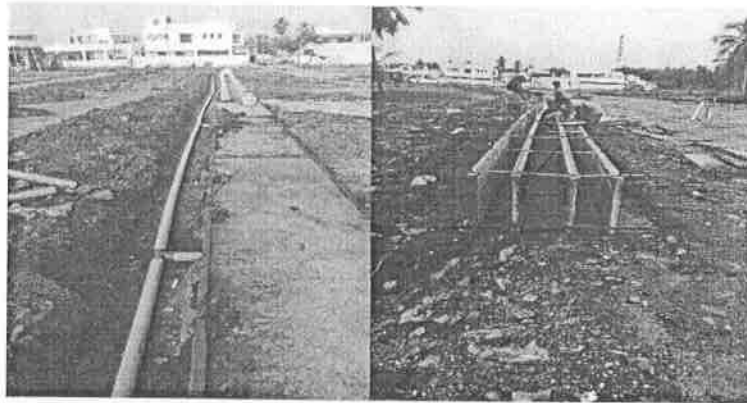


Fig. 6 Water supply Lines

6. Streetlight

Streetlights poles alone were provided on regular intervals on all the roads and EB connection payment document are provided for reference.

Transformer Installation and Distribution Transformer Details			
Sl. No.	Transformer Name	Capacity (KVA)	Location
1	Transformer 1	100	Location 1
2	Transformer 2	100	Location 2
3	Transformer 3	100	Location 3
4	Transformer 4	100	Location 4
5	Transformer 5	100	Location 5



Fig. 7 Provisions of streetlight pole

Prepared by
[Signature]
24/1/23

Verified by
[Signature]
24/1/23

Approved by
[Signature]
24/1/23
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113



M.K.UMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.

TAMIL NADU. Phone No. : 04324 270755, 272155

Re No: 36



Receipt

Ref. No. : 1947

Date : 24/01/2023

Rec. No. : 596/22-23

Account : COLLEGE A/

Payee Name : MR.K.Kaniraj

Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspecton Certificate	5000.00
	Total Amount	5000.00

24/01/2023 4:43:39 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 24-01-23

CLIENT DETAILS

Name of the Client	Mr. K. Kaniraj
Address of the Client	Municipality Engineer and Commissioner Pugalur Municipality Karur.
Mobile No.	9443238899
Email ID	commr.pugalur@gmail.com

SAMPLE DETAILS

Type of Sample given	-
No. of. Sample given	-
Name of the Test Requested	Third Party Inspection Certificate
Purpose of Testing	-
Test Report Hand over to	Mr. Karthikeyan

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Mr. M. Balachandar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: M. Balachandar

Consultancy Charges

Rs. 5000/-

Consultancy In-Charge

HoD/Civil

நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை

அனுப்புநர் :-

திரு. கு. கனிராஜ்,
ஆணையாளர்,
புகழூர் நகராட்சி,
வேலாயுதம்பாளையம் (அஞ்சல்),
புகழூர் வட்டம், கரூர் மாவட்டம் - 639 117.
மின்னஞ்சல் : commr.pugalur@gmail.com

பெறுநர் :-

முதல்வர்,
எம். குமாரசாமி பொறியியல் கல்லூரி,
தளவாபாளையம்,
கரூர்.

To
HOD/Civil
19/1/23

ந.க.எண். 647/2022/எப்1 நாள் : 19.01.2023.

ஐயா,

பொருள் : மனைப்பிரிவு - சேலம் மண்டலம் - கரூர் மாவட்டம் -
புகழூர் நகராட்சி - இந்நகராட்சிக்குட்பட்ட புன்செய்ப்புகழூர் (வடக்கு)
கிராமம் புல எண். 277/A1B, 278/2 இல் 1.38 ஏக்கர் பரப்பளவில்
அமையும் குடியிருப்பு மனைப்பிரிவில் உள்ள சாலை வசதிகள்,
மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர்
பகிர்மான குழாய் வசதிகள் அமைக்கப்பட்டது - தர ஆய்வு சான்று
பெற்று தரக்கோருதல் - தொடர்பாக.

- பார்வை : 1. சென்னை, நகராட்சிகளின் நிர்வாக இயக்குநர் அவர்களின்
சுற்றறிக்கை ந.க.எண். 12843/2022/டிபி-2 நாள். 20.10.2022.
2. தொடர்புடைய ஆவணங்கள்.

*_*_*_*_*_*

புகழூர் நகராட்சிக்குட்பட்ட வார்டு எண். 16, செம்படாபாளையம் பகுதியில்
புன்செய்ப்புகழூர் (வடக்கு) கிராமம், புல எண். 277/A1B, 278/2 இல் 1.38 ஏக்கர்
பரப்பளவில் அமையும் மனைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள சாலை வசதிகள்,
மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர் பகிர்மான குழாய் வசதிகள்
ஆகிய பணிகளுக்கு தர ஆய்வு செய்து (Third Party Inspection) சான்று பெற்று
வழங்குமாறு கனிவுடன் கேட்டுக்கொள்கிறேன்.

நகல் :

திரு. கார்த்திகேயன்
த/பெ. ராமசாமி கவுண்டர்,
கதவு எண். 105/4, பிள்ளையார் கோவில் தெரு,
குமரன்குடி, புஞ்சைத் தோட்டக்குறிச்சி,
புகழூர் வட்டம், கரூர் மாவட்டம்.

19/1/2023
ஆணையாளர்,
புகழூர் நகராட்சி.

19/1/2023



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT	
Report Ref. No: MKCE/CE/2022-23/35	DATE: 12.01.2023
Client Details	P.Subramani & CO, Engineering Contractors, Thindal, Erode.
Client Ref. /Date	Letter Dated: 10.01.2023
Report Handover to	Er.Yogeshwaran
Sample Details	Soil Sample – 5 KG
Purpose of the work	Basement Floor Construction.
Type of Test	Safe Bearing Capacity
Location	EID Sugar Factory

INDIRECT TEST USING DIRECT SHEAR:

OBSERVATION:

Proving Ring : 0.274
Constant Kg/Div

Preparation of Test

Specimen:

Volume of the mould / specimen (6x6x2.5) : 90 Wt. of Dry Sand/Soil taken (grams) : 180
Cross sectional Area - A (Cm²) : 36 Volume of Water added (ml) : 18
Rate of Strain Applied (mm/minute) : 3

Sl. No	Horizontal Displacement (d) (mm)	Corrected Area = $A \cdot (1 - \frac{\delta}{6})$	Normal Stress (Kg/Cm ²) = 0.5		Normal Stress (Kg/Cm ²) = 1.0			Normal Stress (Kg/Cm ²) = 1.5			
			Shear Load from Proving Ring		Shear Stress Kg/Cm ²	Shear Load from Proving Ring		Shear Stress Kg/Cm ²	Shear Load from Proving Ring		Shear Stress Kg/Cm ²
			Divisions	Kg		Divisions	Kg		Divisions	Kg	
1	0.5	35.70	5	1.42	0.04	10	2.83	0.08	25	6.85	0.19
2	1.0	35.40	13	3.76	0.11	19	5.73	0.16	44	12.06	0.34
3	1.5	35.10	17	5.00	0.14	22	6.45	0.18	53	14.52	0.41
4	2.0	34.80	22	6.35	0.18	27	7.80	0.22	62	16.99	0.49



M.KUMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



5	2.5	34.50	29	8.24	0.24	34	8.62	0.25	68	18.63	0.54
6	3.0	34.20	36	9.90	0.29	38	9.35	0.27	74	20.28	0.59
7	3.5	33.90	38	10.63	0.31	44	10.86	0.32	80	21.92	0.65
8	4.0	33.60	44	12.42	0.37	50	12.10	0.36	86	23.56	0.70
9	4.5	33.30	47	12.96	0.40	56	13.45	0.40	95	26.03	0.78
10	5.0	33.00	46	12.48	0.38	61	15.20	0.46	103	28.22	0.86
11	5.5	32.70	*	*	*	65	16.81	0.51	111	30.41	0.93
12	6.0	32.40	*	*	*	70	19.18	0.59	118	32.33	1.00
13	6.5	32.10	*	*	*	76	20.82	0.65	125	34.25	1.07
14	7.0	31.80	*	*	*	78	21.37	0.67	133	36.44	1.15
15	7.5	31.50	*	*	*	79	21.65	0.69	137	37.54	1.19

Sl. No	Max. Normal Stress (Kg/Cm ²)	Max. Shear Stress (Kg/Cm ²)
1	0.50	0.40
2	1.00	0.69
3	1.50	1.19
Results from Graph		
1	Angle of Internal Friction, ϕ	30°

As per IS: 6403-1981 Table 1 and Table 2, the bearing capacity factors, shape factors, depth factors and inclination factors are considered for calculating the net ultimate bearing capacity.



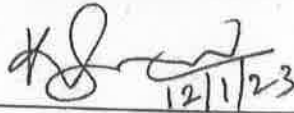

Result:

The Safe Bearing Capacity (SBC) of Soil is 320 kN/m² and the site is suitable for constructing basement floor.

*All the tests are performed based on IS: 2720 Part-13: 2009, IS: 6403-1981 codal provisions and specifications.

NOTE:

This report is given to the client based on the samples provided by them.

 12/01/2023	 12/01/23	 12/1/23
Tested by – Mr. S. Ramkumar, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
<p>If you require any clarification, please contact</p> <p>Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.</p>		



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Re. no: 35

Receipt

Ref. No. : 1854 Date : 12/01/2023
Rec. No. : 584/22-23 Account : COLLEGE A/C
Payee Name : Mr.P.Subramani
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	SAFE BEARING CAPACITY TEST	5000.00
	Total Amount	5000.00

12/01/2023 12:03:37 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 10/01/2028.

CLIENT DETAILS

Name of the Client	P. Subramani.
Address of the Client	P. Subramani & Co, Engineering Contractors, Thindal, Erode.
Mobile No.	9884229995
Email ID	

SAMPLE DETAILS

Type of Sample given	Soil.
No.of.Sample given	5 kg.
Name of the Test Requested	Safe Bearing Capacity.
Purpose of Testing	Floor Construction.
Test Report Hand over to	Mr. Yogeshwaran.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Yogeshwaran declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature:

Consultancy Charges	Rs. 5000/-		
Consultancy In-Charge		HoD/Civil	



M.KUMARASAMY
COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

**PROPOSED RESIDENTIAL LAYOUT (VALAR NAGAR) – THIRD PARTY INSPECTION
CERTIFICATE**

Report Ref. No: MKCE/CE/2022-23/34

DATE: 11.01.2023

Client Details
Mr.R.MANOHAR,
Municipality Commissioner i/c,
Kulithalai (TK), Karur. Email: commr.kulithalai@tn.gov.in

Client Ref. /Date
Ref.No.1524/2022/B2; Letter dated: 06.01.2023

Report Handover to
Mr.M.Muthukumar

Plot Details
Ward-C, Block-20, T.S.No.90/1A1,100/1 100/2 Vaigainallur (north) Village,
Kulithalai Municipality,
Karur.

Based on the inspection carried out on 10th January 2023, 03.00 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.

R. Vetturayasudharsanan
11/01/23

V. Jeyaraj
11/1/23

[Signature]
12/1/23

Tested by –Mr.
**R.Vetturayasudharsanan &
Mr. S. Ramkumar AP/Civil**

Verified by – HoD/Civil
**Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.**

Approved by - Principal
**PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113**

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



Inspection Report

Kulithalai Municipal Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Ward-C, Block-20, T.S.No.90/1A1,100/1 100/2 Vaigainallur (north) Village Kulithalai Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Ward-C, Block-20, T.S.No.90/1A1,100/1 100/2 Vaigainallur (north) Village Kulithalai Municipality, Karur on 10th January 2023, 03.00 p.m.

The area of land having proposed residential layout is about 1.575 acre (6373.7 sqm). The proposed plots are 25 and allocated plots is 25. Fig. 1 shows the approved residential layout.

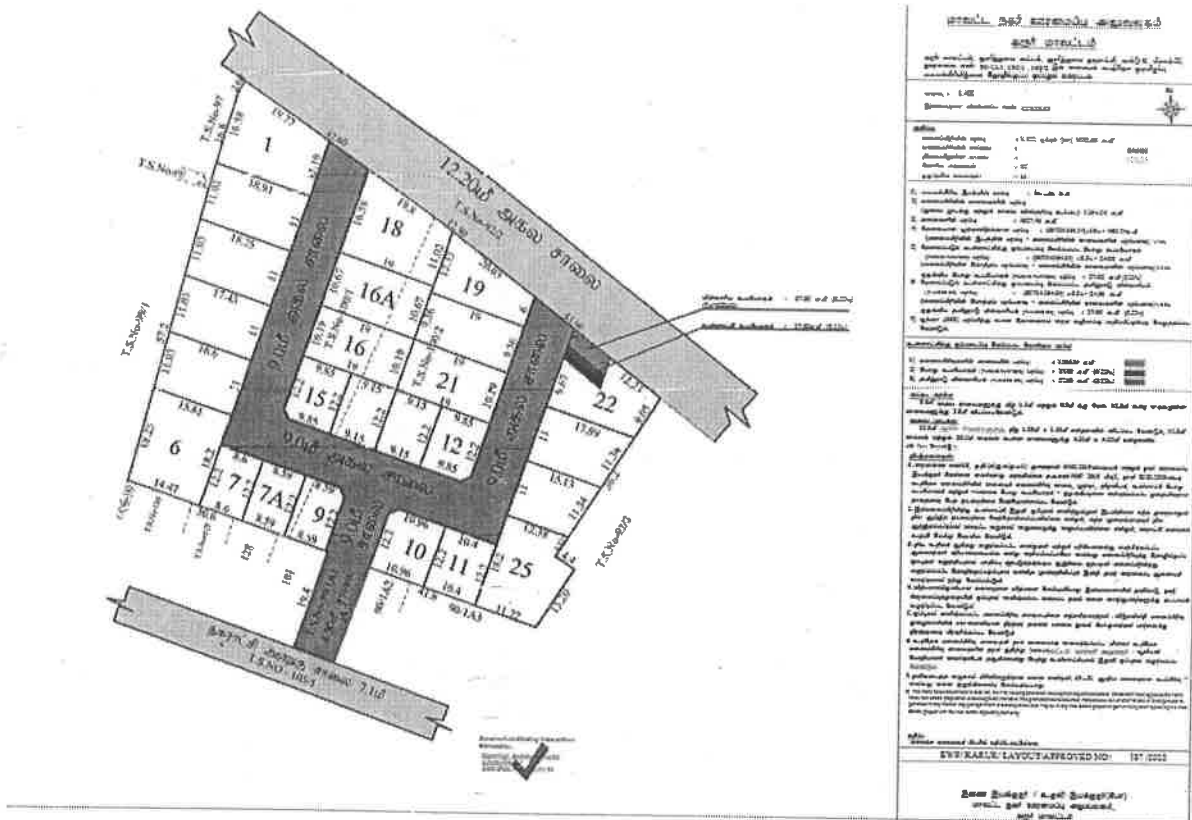


Fig. 1 Approved residential layout



The observations found during the inspection were listed below:

1. Roads

The plot consists of two different types of bituminous concrete roads. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I (Main)	Type II (Sub)
Width of the road	8.43 m	8.35 m
Formation width/Carriage way	6 m	6 m
Granular sub base (GSB)	6 cm	5 cm
Wet Mix (WM)	9 cm	4 cm
Bituminous Concrete (BC)	3 cm	3 cm



Fig. 2 Road width and cross section measurement

2. Storm water drains

Storm water drains were provided on both sides of the roads having side wall width 20 cm, drainage width 36 cm and drainage depth 45 cm.



Fig. 3 Storm water drain measurement



3. Compound wall and reserved site

Entire site area covered with compound wall of 5 feet height and reserved site allocated for public utility is 480.74 sq.m and for TANGEDCO is 27 sq.m as mentioned in the layout.

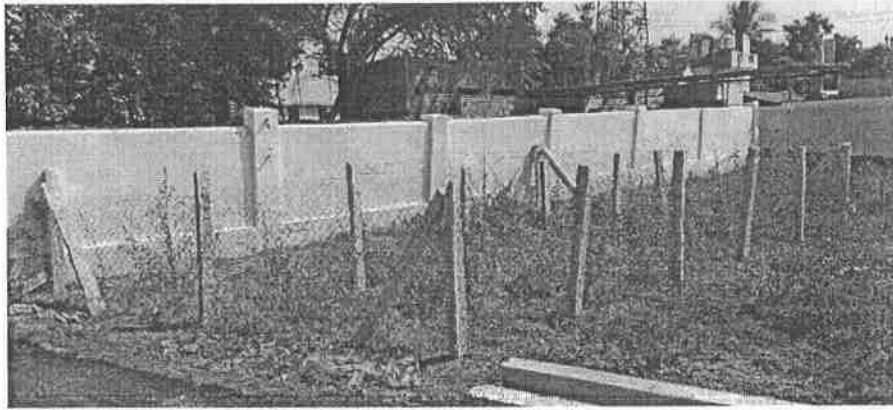


Fig.4 Fencing for reserved site

4. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

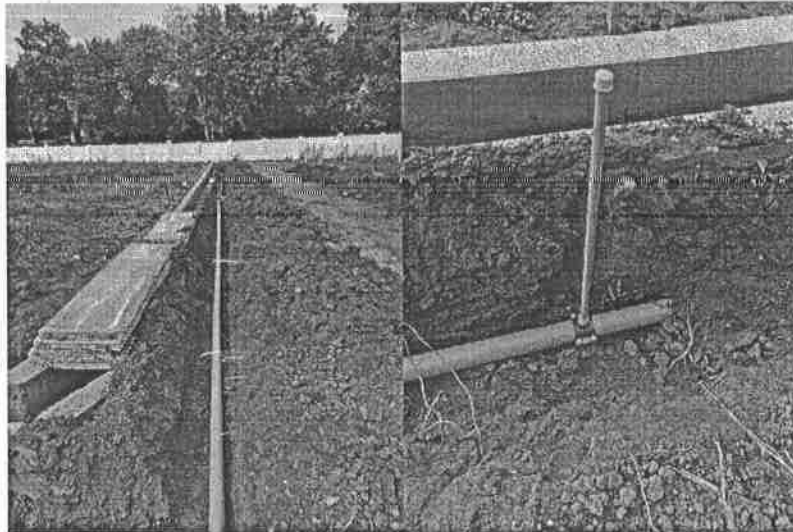


Fig. 5 Water supply line



5. Streetlight

Adequate streetlights were provided at the site.

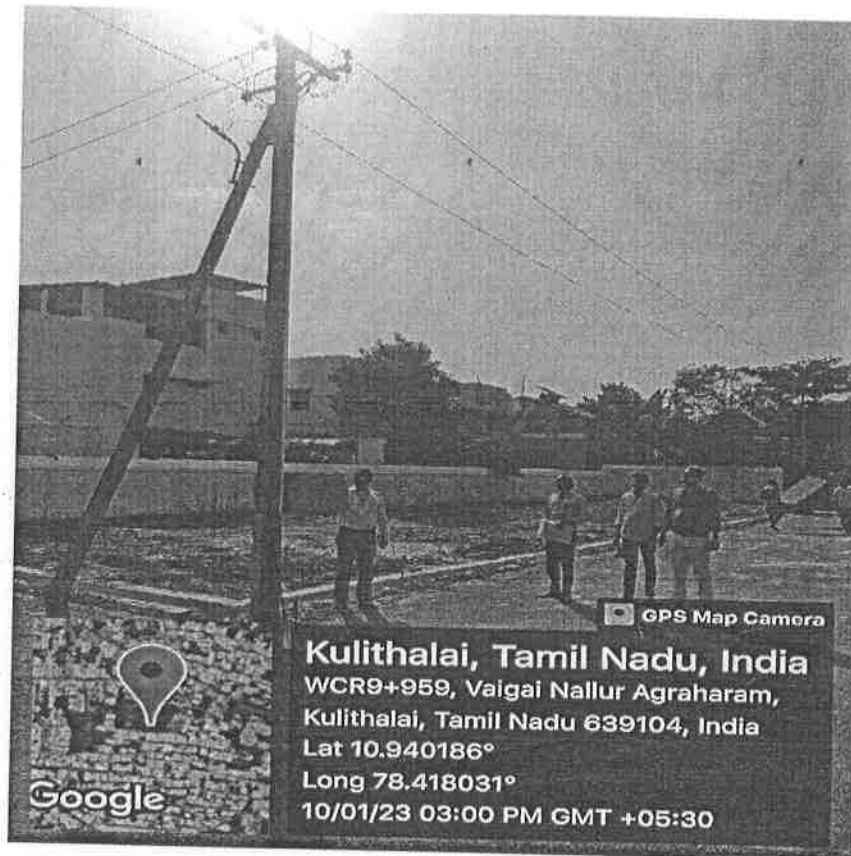


Fig. 6 Provisions of Powerlines

R. Arjun
11/1/23
Prepared by



V. J. J.
11/1/23
Verified by
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

[Signature]
12/1/23
Approved by
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 638 113



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Ac No: 24

Receipt

Ref. No. : 1849 Date : 12/01/2023
Rec. No. : 583/22-23 Account : COLLEGE A/C
Payee Name : Mr.R.Manohar
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection	5000.00
	Total Amount	5000.00

12/01/2023 10:10:22 AM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 10.01.2023

CLIENT DETAILS

Name of the Client	Mr. R. Manohar
Address of the Client	Municipality Engineer and Commissioner i/c Kulithalai. Karur.
Mobile No.	01328-222321
Email ID	Comms.kulithalai@tn.gov.in

SAMPLE DETAILS

Type of Sample given	-
No.of.Sample given	-
Name of the Test Requested	Third Party Inspection
Purpose of Testing	
Test Report Hand over to	Mr. M. Muthukumar

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We M. Muthukumar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: p. [Signature]

Consultancy Charges	5000 /-		
Consultancy In-Charge	<u>R. [Signature]</u>	HoD/Civil	<u>v.r. [Signature]</u> / 11/1/23

“நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை”

அனுப்புநர்-

திரு.ரா.மனோகர், பி.இ.,
நகராட்சி பொறியாளர் மற்றும் ஆணையர்(பொ),
குளித்தலை நகராட்சி,
குளித்தலை - 639 104.
கரூர் மாவட்டம்.
தொலைபேசி எண். 04323-222321
மின்னஞ்சல் - commr.kulithalai@tn.gov.in

பெறுநர்-

முதல்வர்,
எம்.குமாரசாமி பொறியியல் கல்லூரி,
தளவாபாளையம்,
கரூர்.

50 HOD/airM.
15/1/23

ந.க.எண்.1524/2022/பி2, நாள்-06.01.2023.

அய்யா, / அம்மையர்,

பொருள்- தரச்சான்று - கரூர் மாவட்டம் - குளித்தலை நகராட்சி -
வைகைநல்லூர் வடக்கு கிராமம் Ward-C, Block-20,
T.S.No.90/1A1, 100/1 100/2-ல் அமைந்துள்ள 1575
ஏக்கர் மனைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள சாலை,
மழைநீர் வடிகால், தெருவிளக்கு மற்றும் குடிநீர் பகிர்மான
குழாய் பதித்தல் - தர ஆய்வு சான்று வழங்க கோருதல் -
தொடர்பாக.

பார்வை- திரு.கே.சசில்குமார், 28/45, லெட்சுமி அம்மாள் லேஅவுட்,
லெட்சுமிபுரம், கோயம்புத்தூர் என்பவரின் கடிதம் நாள்-
02.01.2023.

குளித்தலை நகராட்சி எல்லைக்குட்பட்ட வைகைநல்லூர் வடக்கு கிராமம்
Ward-C, Block-20, T.S.No.90/1A1, 100/1 100/2-ல் அமைந்துள்ள 1575 ஏக்கர்
மனைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள சாலை, மழைநீர் வடிகால், தெருவிளக்கு மற்றும் குடிநீர்
பகிர்மான குழாய் வசதிகள் ஆகிய பணிகளுக்கான தர ஆய்வு செய்து, அதற்கான தரச்சான்று
வழங்குமாறு அன்புடன் கேட்டுக்கொள்ளப்படுகிறது.

JmeBun
06/01/2023
ஆணையர்(பொ),
குளித்தலை நகராட்சி.
Cee
6-1-23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/33		DATE: 09.01.2023
Client Details	Mr.Loganathan, Karur. Mobile: +91 9629130140.	
Client Ref. /Date	Letter Dated: 09.01.2023	
Report Handover to	Mr.Pragadheesh	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 04.12.2022 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 09.01.2023 Grade of Concrete : M25 Quantity Received : 1 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	For Construction Site.	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	603	26.80	107.20	26.80

Reference (According to IS-456:2000):



- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by – Mr. G. Balaji, AP/Civil	 Verified by – HoD/Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113 Seal

Re. No. 33



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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1815 Date : 09/01/2023
Rec. No. : 566/22-23 Account : COLLEGE A,
Payee Name : Mr.Loganathan
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Compression test	150.00
	Total Amount	150.00

09/01/2023 2:51:34 PM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 09/01/2023

CLIENT DETAILS

Name of the Client	Mr. Jaganathan
Address of the Client	Karur.
Mobile No.	9629130140
Email ID	construction.karur@gmail.com

SAMPLE DETAILS

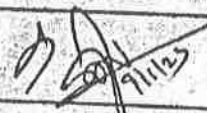
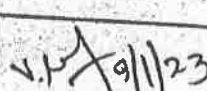
Type of Sample given	Concrete cube
No. of Sample given	01
Name of the Test Requested	Compression Test
Purpose of Testing	for site work
Test Report Hand over to	Mr. Prashadeesh R

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We R. Prashadeesh R declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: R. Prashadeesh R 9/1/23

Consultancy Charges	Rs. 150/-		
Consultancy In-Charge	 9/1/23	HoD/Civil	 9/1/23



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/32

DATE: 31.01.2023

Client Details

New Building,
Near Salem Bye-Pass Road, Karur -6.
Mobile: +91 8940913451.

Client Ref. /Date

Letter Dated: 31.01.2023

Report Handover to

Mr.K.Karthi

Sample Details

Type of Sample : Concrete Cube Date of Casting : 24.01.2023
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 31.01.2023
Grade of Concrete : M30 Quantity Received : 2
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

For Construction Site.

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	507	22.53	75.11	22.76
2	Sample A ₂	150x150x150	517	22.98	76.59	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Re No: 32

Receipt

Ref. No. : 2089 Date : 01/02/2023
Rec. No. : 615/22-23 Account : COLLEGE A/C
Payee Name : NEW BULIDING
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Cub test	300.00
	Total Amount	300.00

01/02/2023 3:46:54 PM


Cashier - NIRMALA K



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 01/02/23

CLIENT DETAILS

Name of the Client	New Building
Address of the Client	Salem bypass road, karur
Mobile No.	8940913451
Email ID	kkceivil333@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete cube
No. of. Sample given	2
Name of the Test Requested	Compression Test G.MB D.O.C: 25/1/23
Purpose of Testing	Footing mole.
Test Report Hand over to	Mr. k. karthi

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapiayam, Karur - 639 113.

I/We Mr. k. karthi declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]
01/02/23

Consultancy Charges

RS. 300/-

[Signature] 01/02/23

[Signature] 01/02/23

Consultancy In-Charge

HOD/Civil



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/31		DATE: 03.01.2023
Client Details	Mr.Vinoth, Karur. Mobile: +91 8778289966.	
Client Ref./Date	Letter Dated: 02.01.2023	
Report Handover to	Mr.Karthikeyan	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 28.11.2022 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 03.01.2023 Grade of Concrete : M20 Quantity Received : 2 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	For Construction Site.	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	536	23.82	119.11	27.31
2	Sample A ₂	150x150x150	693	30.80	154.00	

Reference (According to IS-456:2000):

✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113. Seal

Re. No: 3)



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TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1688

Date : 03/01/2023

Rec. No. : 547/22-23

Account : COLLEGE A/C

Payee Name : Mr.Vinoth

Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Concrete strength test	300.00
	Total Amount	300.00

03/01/2023 10:56:41 AM


Cashier - GAUTHAMAN

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**MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING****TEST REPORT**

Report Ref. No: MKCE/CE/2022-23/30

DATE: 10.01.2023

Client Details

SRI KURINJI BRICKS,No. 109/2, Theeran Nagar, Erode Main Road, Near IMA Hall, Atur Post,
Karur, Tamil Nadu – 693 002. Mobile: 79045 07150.Email: srikurinjibricks@gmail.com

Client Ref. /Date

Letter Dated: 10.01.2023

Report Handover to

SRI KURINJI BRICKS.

Sample Details

Type of Sample : Fly Ash Cement Brick

Size of the Sample: 225 x 100 x 70 mm

Date of Testing: 10.01.2023

Quantity Received: 3

Purpose of the work

For Construction.

Type of Test

COMPRESSIVE STRENGTH OF FLY ASH BRICK – BRICK TEST**RESULT:**

S.No.	Brick Sample	Size (mm)	Weight of Sample (kg)	Ultimate Compression Load (kN)	Compressive Strength of Fly Ash brick (kg/cm ²)	Average Compressive Strength of Fly Ash brick (kg/cm ²)
1	Sample 1 -Brown	225 x 100 x 70	3.245	272	123.27	130.22
2	Sample 2- Brown	225 x 100 x 70	3.465	248	112.40	
3	Sample 3- Brown	225 x 100 x 70	3.175	342	155.00	

Reference: (According to IS 12894: 2002) (Compressive Strength of bricks):

- ❖ Based on the test results the given brick samples were under **Class 12.5** Designation.

Cross Reference:

- ✓ 1st class brick is **105 kg/cm²**. 2. 2nd class brick is **70 kg/cm²**. 3. Common building brick is **35 kg/cm²**.
- 4. Fly Ash brick is **90 to 150 kg/cm²**

Remarks:

- ✓ The given brick samples attained the recommended average compressive strength. So, the **given samples are suitable for construction.**

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 10/01/23

CLIENT DETAILS

Name of the Client	Sri Kurinji Bricks
Address of the Client	No. 109/2, Theelan Nagar, Erode Main road, Near IMA Hall, Aturpost, Karur - 693 002
Mobile No.	8675224892
Email ID	Srikurijibricks@gmail.com

SAMPLE DETAILS

Type of Sample given	Fly ash Brick
No. of. Sample given	3 bricks
Name of the Test Requested	Compression Test FXBXD = 225X100X70mm
Purpose of Testing	For construction work
Test Report Hand over to	C. Mathivanan.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We C. Mathivanan declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: C. Mathivanan

Consultancy Charges	RS. 300/-
Consultancy In-Charge	<u>[Signature]</u> 10/1/23
	<u>[Signature]</u> 10/1/23
	HOD/Civil

Re-no: 30



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Receipt

Ref. No. : 1836 Date : 11/01/2023
Rec. No. : **579/22-23** Account : COLLEGE A/
Payee Name : **SRI KURINJI BRICKS**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	COMPRESSION TEST	300.00
	Total Amount	300.00

11/01/2023 10:51:02 AM

Cashier - GAUTHAMAN



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/29

DATE: 21.12.2022

Client Details

SRI KUMARAN AUTO FUELS,
OPP to green garden, manavadi, Karur -5.
Mobile: 9597390378, Email: kumareshk95@gmail.com

Client Ref. /Date

Letter Dated:19.12.2022

Report Handover to

Mr.M.Kumaresan

Sample Details

Type of Sample :Wire cut brick
Size of the Sample:230 x 105 x 75 mm
Quantity Received:3

Purpose of the work

For Construction Site.

Type of Test

WATER ABSORPTION OF BRICK – WATER ABSORPTION TEST

RESULT:

S.No	Brick Sample	Size In 'mm' (L x B x H)	Weight of oven dry bricks W_1 (kg)	Weight of water absorbed bricks W_2 (kg)	Water Absorption (%)	Average Water Absorption (%)
					$(W_2 - W_1) * 100$ W_1	
1	18/05/22/A1	230x105x75	3.410	3.720	9.09	10.41
2	19/05/22/A2	230x105x75	3.360	3.680	9.52	
3	21/05/22/A3	230x105x75	3.480	3.920	12.64	

Reference as per IS 1077 (1992):

✓ (Water Absorption of building bricks): Water absorption should not exceed 20%.

Remarks:

✓ The given brick samples are not exceeding the water absorption limit. So, the given samples are suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

[Signature]
21/12/22

Tested by – Mr. G. Balaji,
AP/Civil

[Signature]
22/12/22

Verified by – HoD/Civil

[Signature]

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



For report no: 26829



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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1550 Date : 19/12/2022
Rec. No. : 509/22-23 Account : COLLEGE A/C
Payee Name : SRI KUMARAN AOTO FUELS
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	WIRE CUT BRICK TEST	600.00
	Total Amount	600.00

19/12/2022 4:25:18 PM

Cashier - GAUTHAMIAN



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/28

DATE: 21.12.2022

Client Details

KRISHI READY MIX CONCRETE,
No.44 A, Thottakuruchi, Malayamman temple via,
Near riverroad, Punjal Thottakuruchi, Pugalur, Karur – 639 113.
Mobile: 9751153078.
Email: info@krishireadymix.com

Client Ref. /Date

Letter Dated: 30.11.2022

Report Handover to

Mr.C.Suriyakumar

Sample Details

Type of Sample: Cement Type/Grade of Cement: Dalmia(OPC 53)

Purpose of the work

For Construction

Type of Test

TEST ON CEMENT – Fineness, Consistency, Setting Time, Soundness, and Compressive Strength.

RESULT:

- 1. Fineness of Cement**
Based on the trails, the fineness of the given sample is 96% (Recommended: Not Less than 90% for OPC).
- 2. Consistency of Cement**
Based on the trails, the amount (%) of water required to produce a cement paste is 27% (26 to 33% for OPC).
- 3. Initial Setting Time of Cement**
Based on the trails, the initial setting time of the given sample is 25 minutes (30 minutes for OPC).
- 4. Final Setting Time of Cement**
Based on the trails, the final setting time of the given sample is 580 minutes (600 minutes for OPC).
- 5. Soundness**
Based on the trails, the elongation is 4mm (Standard specification limit: up to 10mm)
- 6. Compressive strength of cement**

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)-7 Days	Avg. Compressive strength (N/mm ²)	Remarks
1	Sample K ₁	70.6x70.6x70.6	210	42.13	43.13	Refer the below Table
2	Sample K ₂	70.6x70.6x70.6	205	41.12		
3	Sample K ₃	70.6x70.6x70.6	230	46.14		

Reference:

CEMENT TYPE	IS Codes	COMPRESSIVE STRENGTH (Mpa)		
		3 Days	7 Days	28 Days
OPC(33)	IS 269: 1989	16	22	33
OPC(43)	IS 8112: 1989	23	33	43
OPC(53)	12269: 1987	27	37	53

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy in-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/27

DATE: 21.12.2022

Client Details	KRISHI READY MIX CONCRETE, No.44 A,Thottakuruchi, Malayamman temple via, Near riverroad, Punjal Thottakuruchi, Pugalur, Karur – 639 113. Mobile: 9751153078. Email: info@krishireadymix.com	
Client Ref. /Date	Letter Dated: 30.11.2022	
Report Handover to	Mr.C.Suriyakumar	
Sample Details	Type of Sample: Cement	Type/Grade of Cement: Ultra-Tech(OPC 53)
Purpose of the work	For Construction	
Type of Test	TEST ON CEMENT – Fineness, Consistency, Settling Time, Soundness, and Compressive Strength.	

RESULT:

- Fineness of Cement**
Based on the trails, the fineness of the given sample is 95% (Recommended: Not Less than 90% for OPC).
- Consistency of Cement**
Based on the trails, the amount (%) of water required to produce a cement paste is 28%(26 to 33% for OPC).
- Initial Setting Time of Cement**
Based on the trails, the initial setting time of the given sample is 28minutes (30 minutes for OPC).
- Final Setting Time of Cement**
Based on the trails, the final setting time of the given sample is 594 minutes (600 minutes for OPC).
- Soundness**
Based on the trails, the elongation is 6mm (Standard specification limit: up to 10mm)
- Compressive strength of cement**

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)-7 Days	Avg. Compressive strength (N/mm ²)	Remarks
1	Sample K ₁	70.6x70.6x70.6	182	36.51	37.98	Refer the below Table
2	Sample K ₂	70.6x70.6x70.6	195	39.12		
3	Sample K ₃	70.6x70.6x70.6	191	38.31		

Reference:

CEMENT TYPE	IS Codes	COMPRESSIVE STRENGTH (Mpa)		
		3 Days	7 Days	28 Days
OPC(33)	IS 269: 1989	16	22	33
OPC(43)	IS 8112: 1989	23	33	43
OPC(63)	12269: 1987	27	37	53

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

For report NO: 27 028



M.KUMARASAMY COLLEGE OF ENGINEERING
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TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1560 Date : 22/12/2022
Rec. No. : 518/22-23 Account : COLLEGE A/
Payee Name : KRISHI READY MIX CONCRETE
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CEMENT TEST	3600.00
	Total Amount	3600.00

22/12/2022 11:18:15 AM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 30/11/2022

CLIENT DETAILS

Name of the Client	Krishi Ready mix Concrete
Address of the Client	Krishi Ready mix Concrete Thottakuruchi
Mobile No.	9942247816
Email ID	Suriyakumar9292@gmail.com

SAMPLE DETAILS

Type of Sample given	Cement
No. of Sample given	30kg.
Name of the Test Requested	1) Fineness test 2) Consistency 3) IST, FST 4) Soundness 5) Compressive strength D Dalmia OPC 53 3) Ultra tech OPC 53
Purpose of Testing	For AMC
Test Report Hand over to	Mr. C. Suriyakumar.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We C. Suriyakumar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: C. Suriyakumar

Consultancy Charges

Rs. 2600/-

Consultancy In-Charge

HOD/Civil



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/26		DATE: 19.12.2022
Client Details	SRI KUMARAN AUTO FUELS, OPP to green garden, manavadi, Karur -5. Mobile: 9597390378, Email: kumareshkkmk95@gmail.com	
Client Ref. /Date	Letter Dated:19.12.2022	
Report Handover to	Mr.M.Kumaresan	
Sample Details	Type of Sample :Wire cut brick Size of the Sample:230 x 105 x 75 mm Quantity Received:3	
Purpose of the work	For Construction Site.	
Type of Test	COMPRESSIVE STRENGTH OF BRICK – BRICK TEST	

RESULT:

S.No.	Brick Sample	Size in (mm) (L x B x H)	Weight (kg)	Ultimate Compression Load (kN)	Compression Strength (kg/cm ²)	Avg. Compressive strength (kg/cm ²)
1	Sample A ₁	230x105x75	3.330	350	147.78	140.46
2	Sample A ₂	230x105x75	3.270	268	113.16	
3	Sample A ₃	230x105x75	3.350	380	160.45	

Reference as per IS 1077 (1992):

- ✓ 1. 1st class brick is 105 kg/cm² 2. 2nd class brick is 70 kg/cm² 3. Common building brick is 35 kg/cm²
- ✓ 4. Wire cut brick is 100 to 200 kg/cm²

Remarks:

- ✓ The given brick samples are attained the recommended compressive strength. So, the given samples are suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





M. KUMARASAMY

COLLEGE OF ENGINEERING

THALAVAPALAYAM KARUR TAMILNADU

ESTABLISHED IN 1983

Thalavapalayam Karur Tamilnadu



For report NO: 26 & 29

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 19/12/22

CLIENT DETAILS

Name of the Client	Sri Kumaran Auto Fuels
Address of the Client	S.F. NO. 663/4, 664/2, OPP TO GREEN GARDEN, MANAVADI, KARUR.
Mobile No.	9597390378
Email ID	kumareshkmk95@gmail.com

SAMPLE DETAILS

Type of Sample given	Nive cut brick
No. of Sample given	6
Name of the Test Requested	1. Compression Test 2. Water absorption test
Purpose of Testing	for site work
Test Report Hand over to	Mr. M. Kumaresan.

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapiayam, Karur - 639 113.

I/We Kumaresan, M declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: M. Kumaresan

Consultancy Charges

Rs. 600/-

S. Anil Kumar
Consultancy i/c

N. Jayaram
19/12/22
Hop/civil



M.KUMARASAMY

COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University

ISO 9001:2015 & ISO 14001:2015 Certified Institution

AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/25

DATE: 19.12.2022

Client Details

SRI KUMARAN AUTO FUELS,

OPP to green garden, manavadi, Karur -5.

Mobile: 9597390378, Email: kumareshkmk95@gmail.com

Client Ref./Date

Letter Dated:19.12.2022

Report Handover to

Mr.M.Kumaresan

Sample Details

Type of Sample : Paver Block

Condition: Satisfactory

Size of the Sample : 250x115x80 mm

Type : Zig Zag

Grade of Block : M40

Quantity Received : 8

Purpose of the work

For site work

Type of Test

COMPRESSIVE STRENGTH OF PAVER BLOCK – PAVER BLOCK TEST

RESULT:

S.No.	Block Sample	Size (mm)	Area of the block (mm ²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm ²)	Corrected Compression Strength (N/mm ²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm ²)
1	17/11/22/B1	250x115x80	28750	6.200	1025000	35.65	42.07	41.46
2	19/11/22/B2	250x115x80	28750	6.230	985000	34.26	40.43	
3	20/11/22/B3	250x115x80	28750	6.230	1014000	35.27	41.62	
4	22/11/22/B4	250x115x80	28750	6.200	1056000	36.73	43.34	
5	24/11/22/B5	250x115x80	28750	6.330	982000	34.16	40.30	
6	26/11/22/B6	250x115x80	28750	5.960	1008000	35.06	41.37	
7	28/11/22/B7	250x115x80	28750	6.070	995000	34.61	40.84	
8	08/12/22/B8	250x115x80	28750	6.290	1018000	35.41	41.78	

Reference:

- ✓ As per **IS 15658: 2006**, The minimum average 28 Days Compressive Strength should be **40.41 N/mm²**.

Remarks:

- ✓ The given block samples are **attained the recommended average compressive strength**. So, the given paver block samples are **suitable for construction**.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No: 25



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1551 Date : 19/12/2022
Rec. No. : 510/22-23 Account : COLLEGE A/
Payee Name : SRI KUMARAN AOTO FUELS
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	PAVER BLOCK TEST	1200.00
	Total Amount	1200.00

19/12/2022 4:25:43 PM

Cashier - GAUTHAMAN



Re. No: 25

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 19/12/2022

CLIENT DETAILS

Name of the Client	Sri Kumaran Auto fuels
Address of the Client	SE.No. 663/4, 664/2, Opp. Eogreen garden manavadi, Karur
Mobile No.	9597390378
Email ID	kumareshkumar@gmail.com

SAMPLE DETAILS

Type of Sample given	Rever Block (2/3 day)
No. of Sample given	8
Name of the Test Requested	Compression Test
Purpose of Testing	for site work
Test Report Hand over to	M. Kumaresan

DECLARATION OF THE CLIENT

The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I, M. Kumaresan, M declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: M. Kumaresan

Consultancy Charges

Rs. 1200/-

M. Kumaresan
19/12/22
Consultancy fee

M. Kumaresan
19/12/22
Bodlain.



M.K.UMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RESIDENTIAL LAYOUT – THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/24

DATE: 14.12.2022

Client Details

Mr.K.Kaniraj,
Municipality Commissioner,
Pugalur Municipality, Velayuthampalayam Post,
Pugalur (TK), Karur. Email: commr.pugalur@gmail.com

Client Ref./Date

Ref.No.646/2022-2/F1; Letter dated: 30.11.2022

Report Handover to

Mrs.P.Mala,
D.No. 24, Kooththarikkara Theru,
Kaspa Karur Town,
Karur.

Plot Details

Ward No. 18, Punjaipugalur (North) Village,
SF.No. 579 / 18A & 580 / 1, 3, 5
Pugalur Municipality,
Karur.

Based on the inspection carried out on 13th December 2022, 02.30 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.

**Tested by – Mr. S. Ramkumar &
Mr. R. Vetturayasudharsanan,
AP/Civil**

Verified by – HoD/Civil

- Approved by - Principal

PRINCIPAL,

**M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113**



If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

Seal

M.KUMARASAMY COLLEGE OF ENGINEERING

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Inspection Report



Pugalur Municipal Commissioner in his letter cited under reference, had requested a third-party inspection certificate for the Proposed Residential Layout at Ward No. 18, Punjaipugalur (North) Village, SF.No. 579 / 18A & 580 / 1, 3, 5, Pugalur Municipality, Karur.

Based on the request, Dr.V.Senthilkumar, Professor and Head, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur along with a Faculty Team inspected the amenities provided such as roads, storm water drains, culverts, streetlights, etc. while segregation of land into residential plots in Ward No. 18, Punjaipugalur (North) Village, SF.No. 579 / 18A & 580 / 1, 3, 5, Pugalur Municipality, Karur on 13th December 2022, 02.30 p.m.

The area of land having proposed residential layout is about 3.2936 acre (13329 sqm). The proposed plots are 70 and allocated plots is 67. Fig. 1 shows the approved residential layout.

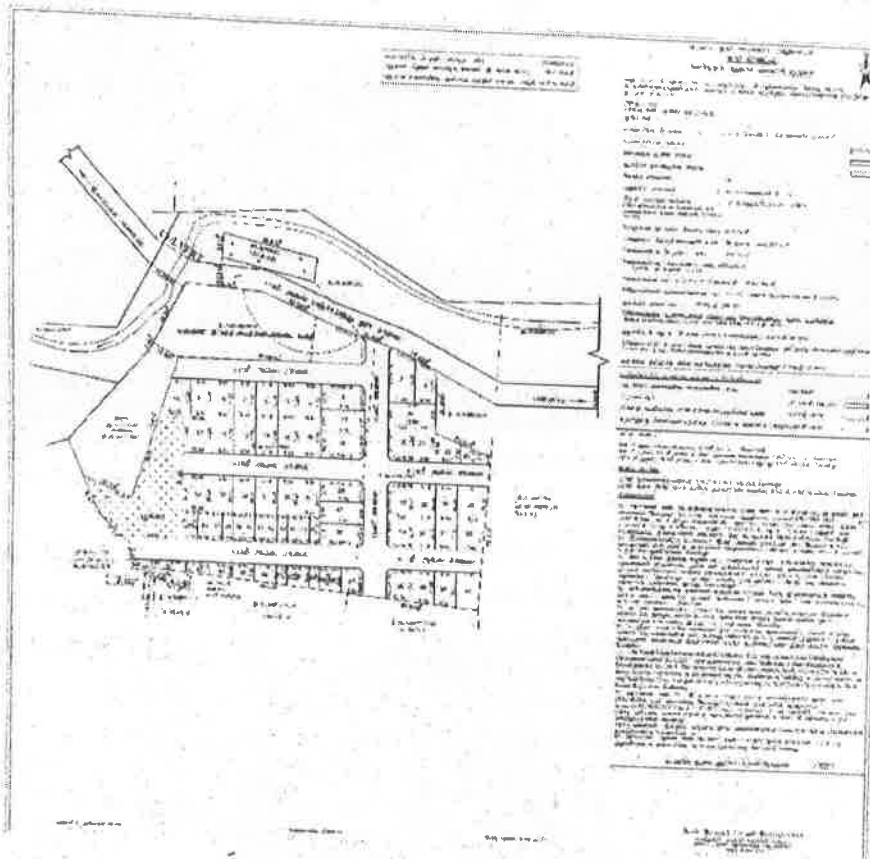


Fig. 1 Approved residential layout

6. Streetlight

Streetlights were not provided but power lines are provided at the site and connection has been requested and bill has been attached.



Fig. 6 Provisions of Powerlines

Prepared by

S. RAMKUMAR,
AP/CIVIL

Verified by

Dr. V. SENTHILKUMAR
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

Approved by



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155




Re: No. 24

Receipt

Ref. No. : 1521 Date : 14/12/2022
Rec. No. : 490/22-23 Account : COLLEGE A/C
Payee Name : Mrs P Mala
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Tird party inspection	5000.00
	Total Amount	5000.00

14/12/2022 3:29:30 PM


Cashier - NIRMALA K



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Thalavapalayam, Karur, Tamilnadu.



Re No: 24

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 9/12/22

CLIENT DETAILS

Name of the Client	Mr. K. Maniraj
Address of the Client	Municipality Commissioner, Pugalur (TK), Karur.
Mobile No.	-
Email ID	-

SAMPLE DETAILS

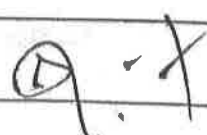
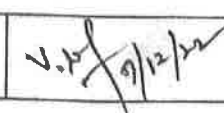
Type of Sample given	-
No. of Sample given	-
Name of the Test Requested	Third Party Inspection.
Purpose of Testing	-
Test Report Hand over to	Mrs. P. Mala.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We P. Mala declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: P. Mala

Consultancy Charges	Rs. 5000/-		
Consultancy In-Charge		HoD/Civil	



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/23

DATE: 08.12.2022

Client Details	AARTHI FLY ASH BRICK, SF.No. 289/2, Pudhupalayam (Vallipuram-Pallappati Via), Kutlamarai, Mohanur (Tk), Namakkal – 637 017. Mobile: 6382854686. Email: pnpravikumar46@gmail.com
Client Ref. /Date	Letter Dated: 07.12.2022
Report Handover to	Mr.S.Thirumalai
Sample Details	Type of Sample : Fly Ash Cement Brick Size of the Sample : 230 x 105 x 80 mm Date of Testing : 08.12.2022 Quantity Received : 3
Purpose of the work	For Construction Site.
Type of Test	COMPRESSIVE STRENGTH OF FLY ASH BRICK – BRICK TEST

RESULT:

S.No.	Brick Sample	Size (mm)	Weight of Sample (kg)	Ultimate Compression Load (kN)	Compressive Strength of Fly Ash brick (kgf/cm ²)	Average Compressive Strength of Fly Ash brick (kgf/cm ²)
1	Sample 1 - R ₁	230 x 105 x 80	3.282	250	105.56	102.74
2	Sample 1 - R ₂	230 x 105 x 80	3.425	205	86.56	
3	Sample 1 - R ₃	230 x 105 x 80	3.256	275	116.11	

Reference: (According to IS 12894: 2002) (Compressive Strength of bricks):

- ✓ 1st class brick is 105 kgf/cm². 2nd class brick is 70 kgf/cm². 3. Common building brick is 35 kgf/cm².
- 4. Fly Ash brick is 90 to 100 kgf/cm²

Remarks:

- ✓ The given brick samples are attained the recommended compressive strength of fly ash bricks. So, the given samples are suitable for construction and its under Class 10 brick category.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balaji.civil@mkce.ac.in | Mobile: +91 8870881307



Re. No: 23



M.KUMARASAMY COLLEGE OF ENGINEERING
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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1495 Date : 08/12/2022
Rec. No. : 472/22-23 Account : COLLEGE A/C
Payee Name : **AARTHI FLYASH BRICK**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	FLY ASH BRICK TEST	300.00
	Total Amount	300.00

08/12/2022 12:48:18 PM

Cashier - GAUTHAMAN



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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/22

DATE: 08.12.2022

Client Details

Krishi Ready Mix Concrete, No. 44 A, Thottakurichi, Malayamman Temple(via),
Near river road, PunjaiThottakuruchi(po), Pugalur(tk), Karur - 639113.
Mobile: 9751153078, Email: info@krishireadymix.com

Client Ref. /Date

Letter Dated: 02.12.2022

Report Handover to

Mr.C.Suryakumar

Sample Details

Coarse Aggregate - 20 mm (20 kg)

Purpose of the work

For RMC

Type of Test

Sieve Analysis (Fineless modulus), Specific gravity, Abrasion strength, Impact strength, Crushing strength

RESULT:

Coarse Aggregate 20 mm:

S.No.	Test	Sample 1 (20 mm)	Limiting Value
1	Fineless Modulus	5.86	5.5 to 8.0
2	Specific Gravity	2.69	2.5 to 3
3	Abrasion Strength	11.42 %	30 %
4	Impact Strength	37.42 %	30 - 45 % (Concrete used for non wearing purposes)
5	Crushing strength	19.82 %	30 %

*All the tests are performed based on IS: 2386 & IS: 383 codal provisions and specifications.

Remarks:

The given sample is suitable for concreting other than wearing purposes.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by -Mr. N.P.Srinivasan,
AP/Civil

Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/21	DATE: 08.12.2022
Client Details	Krishi Ready Mix Concrete, No. 44 A, Thottakurichi, Malayamman Temple(via), Near river road, PunjaiThottakuruchi(po), Pugalur(tk), Karur - 639113. Mobile: 9751153078, Email: info@krishireadymix.com
Client Ref. /Date	Letter Dated: 02,12.2022
Report Handover to	Mr.C.Suryakumar
Sample Details	Coarse Aggregate - 12 mm (20 kg)
Purpose of the work	For RMC
Type of Test	Sieve Analysis (Fineless modulus), Specific gravity, Abrasion strength, Impact strength, Crushing strength

RESULT:

Coarse Aggregate 20 mm:

S.No.	Test	Sample (12 mm)	Limiting Value
1	Fineless Modulus	5.12	5.5 to 8.0
2	Specific Gravity	2.41	2.5 to 3
3	Abrasion Strength	29.42 %	30 - 45 % (Concrete used for non wearing purposes)
4	Impact Strength	39.73 %	30 - 45 % (Concrete used for non wearing purposes)
5	Crushing strength	24.62 %	30 %


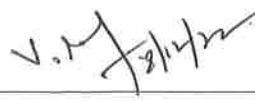

*All the tests are performed based on IS: 2386 & IS: 383 codal provisions and specifications.

Remarks:

The given sample is suitable for concreting other than wearing purposes.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by - Mr. N.P.Srinivasan, AP/Civil	Verified by - HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal

For report No: 21 022



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1494 Date : 08/12/2022
Rec. No. : 471/22-23 Account : COLLEGE A/C
Payee Name : KRISHI READY MIX CONCRETE
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	COARSE AGGREGATE TEST	4600.00
	Total Amount	4600.00

08/12/2022 10:20:38 AM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 2/12/22

CLIENT DETAILS

Name of the Client	Krishy ready mix concrete
Address of the Client	NO.46A, Thottakavichi, Malayamma Temple (RIA), Near river road, Pujari Thottakavichi (PO), Pusalur, Karur - 639113.
Mobile No.	9751153078
Email ID	info@krishyreadymix.com

SAMPLE DETAILS

Type of Sample given	Coarse aggregate (12mm, 20mm)
No. of. Sample given	30 kg (each)
Name of the Test Requested	1. Crushing strength 4. Sieve analysis 2. Abrasion strength 5. Specific gravity 3. Impact strength
Purpose of Testing	for RMC
Test Report Hand over to	Mr. C. Suriya Kumar

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapiayam, Karur - 639 113.

I/We C. Suriya Kumar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: C. Suriya Kumar

Consultancy Charges

RS. 4000/-

Consultancy In-Charge

HOD/Civil



M.KUMARASAMY COLLEGE OF ENGINEERING

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AICTE Approval No. 732-53-064(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/20

DATE: 08.12.2022

Client Details	Krishi Ready Mix Concrete, No. 44 A, Thottakurichi, Malayamman Temple(via), Near river road, Punjai Thottakuruchi(po), Pugalur(tk), Karur - 639113. Mobile: 9751153078 Email: info@krishireadymix.com
Client Ref. /Date	Letter Dated: 02.12.2022
Report Handover to	Mr.C.Suryakumar
Sample Details	M-Sand - 15 kg
Purpose of the work	For RMC
Type of Test	Sieve Analysis, Specific gravity, Water Absorption, Bulk Density

RESULT:

Sieve Analysis:

IS Sieve Designation	Cumulative Percent		Zone - I	Zone - II	Zone - III	Zone - IV
	Retained	Passing				
4.75 mm	0.1	99.9	90-100	90-100	90-100	95-100
2.36 mm	22.9	77.1	60-95	75-100	85-100	95-100
1.18 mm	61.7	38.3	30-70	55-90	75-100	90-100
600 microns	86.1	13.9	15-34	35-59	60-79	80-100
300 microns	88	12	5-20	8-30	12-40	15-50
150 microns	88.2	11.8	0-10	0-10	0-10	0-15

REMARKS: The tested sample satisfies the requirements of grading Zone - I as per IS: 383-2016



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Test Conducted	Results for M-Sand	Requirements as per IS Code
Fineness Modulus	2.53	2.0 - 4.0
Specific Gravity	2.35	2.5 - 2.9
water Absorption %	2.7 %	2.0 - 4.0
Bulk Density (g/cm ³)		
i) Loose	1.72	-
ii) Rodded	1.86	-

Reference:

- As per IS 383-2016

Remarks:

- The grading zone falls under **Zone I** (as per IS 383-2016)
- The **specific gravity** of the soil sample **does not lie within the range of 2.6 - 3.0**
- The water absorption lies within the range of 2.0 % - 4.0 %

The given sample can be used for making Concrete.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by - Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		 Seal

Re. No: 20



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1493 Date : 08/12/2022
Rec. No. : **470/22-23** Account : COLLEGE A/C
Payee Name : **KRISHI READY MIX CONCRETE**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	M. SAND TEST	1600.00
	Total Amount	1600.00

08/12/2022 10:20:06 AM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 2/12/22

CLIENT DETAILS

Name of the Client	Krishi ready mix concrete
Address of the Client	No. 47 A, Thottakwichi, Malayamman Temple (via), Near river road, Punjai Thottakwichi (PO), Pugalur, Karur - 639113.
Mobile No.	9751153018
Email ID	info@krishi ready mix. com

SAMPLE DETAILS

Type of Sample given	Fine aggregate - M-sand
No. of. Sample given	15 kg
Name of the Test Requested	1. Specific Gravity 4. Bulk-density 2. Sieve analysis 3. Water absorption
Purpose of Testing	for ready mix concrete
Test Report Hand over to	Mr. C. Suriya Kumar.

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapiayam, Karur - 639 113.

I/We C. Suriya Kumar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: C. S. K.

Consultancy Charges

Rs. 1600/-

Consultancy In-Charge

HOD/Civil



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING




PROPOSED RESIDENTIAL LAYOUT (Sri Ambal Avenue) – THIRD PARTY INSPECTION CERTIFICATE

Report Ref. No: MKCE/CE/2022-23/19

DATE: 05.12.2022

Client Details	Mr.K.Kaniraj, Municipality Commissioner, Pugalur Municipality, Velayuthampalayam Post, Pugalur (TK), Karur. Email: commr.pugalur@gmail.com
Client Ref. /Date	Ref.No.792/2022-2/F1; Letter dated: 22.11.2022
Report Handover to	Mrs.B.Senthamarai, W/O K.Balsamy, D.No. 48, Mettupalayam, East Thavittupalayam (PO), Manmangalam (TK), Karur.
Plot Details	Ward No. 18, Punjaipugalur (North) Village, SF.No. 334/1C, Pugalur Municipality, Karur.

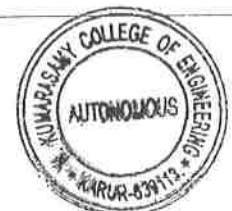
Based on the inspection carried out on 05th December 2022, 03.00 pm by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.

		
Report prepared by Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



The observations found during the inspection were listed below,

1. Roads

The plot consists of two different types of bituminous concrete roads having splay length of 2.5m at the junctions. The specifications of the bituminous roads as mentioned in Table 1.

Table 1. Observations at road provided

Specifications	Type I	Type II
Width of the road	9.75 m	8.76 m
Formation width/Carriage way	7.20 m	7.20 m
Granular sub base (GSB)	20 cm	20 cm
Wet Mix (WM)	13.5 cm	13.5 cm
Bituminous Concrete (BC)	2 cm	2 cm

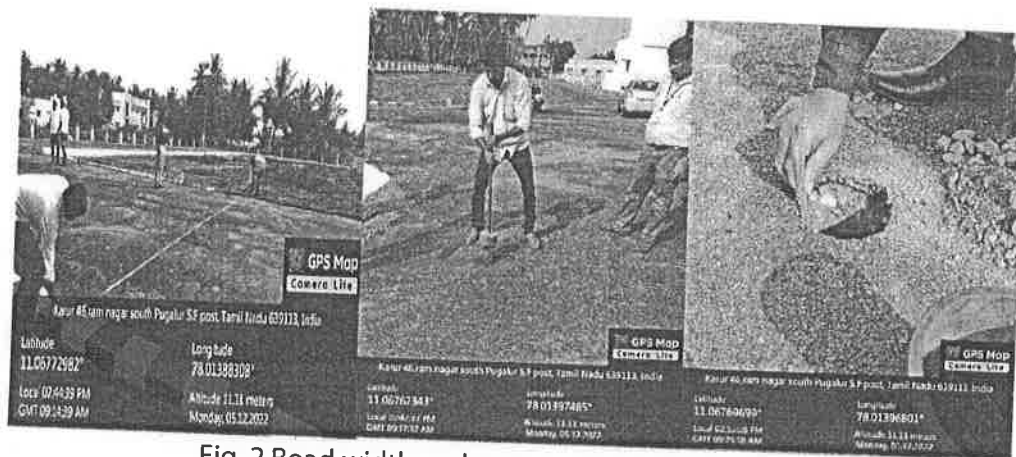


Fig. 2 Road width and cross section measurement

2. Storm water drains

Storm water drains were provided on one side (left) of the roads only having side wall width 23 cm, drainage width 30 cm and depth of the drain is about 45 cm.

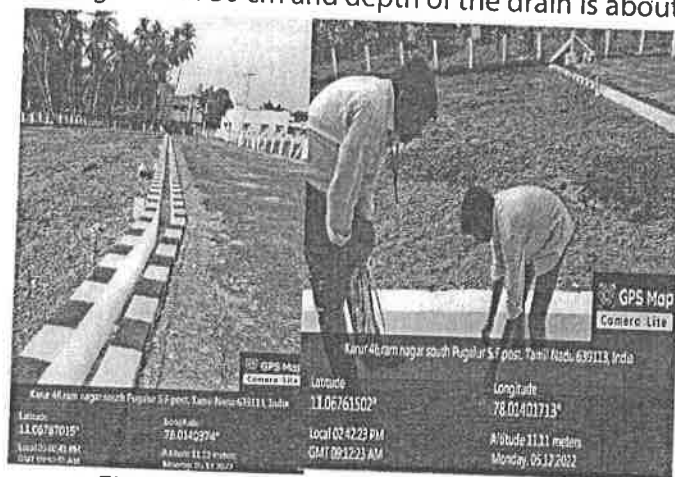


Fig. 3 Storm water drain measurement





3. Culverts

Culverts were provided on the road junctions over the storm water drains having a width of 0.77 m and the thickness of culvert slab is found to be 160 mm.



Fig. 3 Culvert measurement

4. Fencing of Park and reserved site

Chain link fencing are provided with size of 2x2 inch with stone pillars at 3m intervals and the height of the pillar is observed about 5.5 feet. Reserved site allocated for public utility is 12.53 sq.m and for TANGEDCO is 13.44 sq.m as mentioned in the layout.

5. Water supply

Water supply lines were laid and extended up to the public supply distribution limit.

6. Streetlight

Streetlights were provided on regular intervals on all the roads and were connected to the power grid.

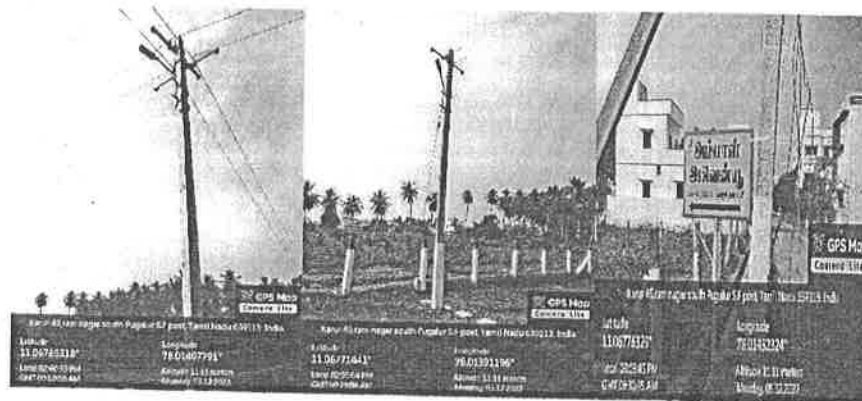


Fig. 4 Provisions of streetlight

Mr. G. Balaji
Prepared by
(Mr. G. Balaji
AP-civil).

V. S. J. 12/12/22
Verified by

Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113.

Mr. S. S. S. 12/12/22
Approved by
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Re. NO: 19



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1481 Date : 06/12/2022
Rec. No. : 461/22-23 Account : COLLEGE A/C
Payee Name : **Mr K Kaniraj**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third party inspection certificate	5000.00
	Total Amount	5000.00

06/12/2022 11:07:29 AM

Cashier - NIRMALA K



M.K.KUMARASAMY COLLEGE OF ENGINEERING

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DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/18		DATE:	05.12.2022
Client Details		RK Mess & Catering Service	
Client Ref. /Date	29.11.2022	Letter Dated	29.11.2022
Sample Collected date	29.11.2022	Sample received date	29.11.2022
Qty of sample	1 litre	Test commenced on:	30.11.2022
Sample Location	Karur	Test completed on:	02.12.2022
Report Handover to	Mr.M.Elangovan		
Purpose of the Work	Water testing for drinking purpose		


RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012
1	Odour	-	IS 3025 : Part 05	Acceptable	Acceptable
2	Taste	-	IS 3025 : Part 08	Acceptable	Acceptable
3	Turbidity	NTU	IS 3025 : Part 10	0.1	1
4	pH@ 25°C	-	IS 3025 : Part 11	7.4	6.5-8.5
6	Total dissolved solids	mg/L	IS 3025 : Part 16	273	500
7	Total Hardness	mg/L	IS 3025 : Part 21	567	600
8	Chloride	mg/L	IS 3025 : Part 32	165	250
9	Sulphate	mg/L	IS 3025 : Part 24	173	200

REMARKS: The Collected water sample characteristics are within the permissible limit and it is suitable for drinking purpose as per IS 10500: 2012 recommendation.

NOTE:

This report is given to the client based on the samples provided by them.

<p><i>J. S. K.</i> 05/12/22</p> <p>Tested by - Mrs.Raghavi.K , AP/Civil</p>	<p><i>V. S. J.</i> 15/12/22</p> <p>Verified By - HoD/ Civil</p>	<p><i>[Signature]</i> 15/12/22</p> <p>Approved by - Principal</p>
<p>If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajicivil@mkce.ac.in Mobile: +91 8870881397</p>		<p>Seal</p> 

Re. No: 18



M.KUMARASAMY COLLEGE OF ENGINEERING
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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1478 Date : 05/12/2022
Rec. No. : 458/22-23 Account : COLLEGE A/C
Payee Name : **RK MESS & CATERING SERVICE**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	WATER TEST	1000.00
	Total Amount	1000.00

05/12/2022 4:29:08 PM

Cashier - GAUTHAMAN



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COLLEGE OF ENGINEERING

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Thalavapalayam, Karur, Tamilnadu.

KR

Re. No: 18

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 29.11.2022

CLIENT DETAILS

Name of the Client	RK Mess & catering service
Address of the Client	Semmadai, Karur
Mobile No.	7373792692
Email ID	

SAMPLE DETAILS

Type of Sample given	Bore water
No. of. Sample given	1
Name of the Test Requested	TDS, pH, Hardness, chlorides, sulphates
Purpose of Testing	Drinking
Test Report Hand over to	Mr. M. Elangovan

DECLARATION OF THE CLIENT

To
The Principal,
M. Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Elangovan declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature:

Consultancy Charges	Rs. 1000/-		
Consultancy In-Charge	 29/11/22	HoD/Civil	



TEST REPORT

Report Ref. No: MKCE/CE/2022-23/17

DATE: 02.12.2022

Client Details	Mr. N.Muthuswami, Karur.
Client Ref. /Date	Letter Dated: 26.11.2022
Report Handover to	Mr. Karthikeyan
Sample Details	Sand - 10 kg
Purpose of the work	For Concrete Work
Type of Test	Sieve Analysis, Specific gravity, Compressive Strength Test

RESULT:

- The fineness modulus of the given soil sample is **FM = 2.6**
- The specific gravity of the given soil sample is **G = 2.63**
- The Compressive strength of the Concrete Cube M20(3 Days) = **6.5 N/mm²**

Reference:

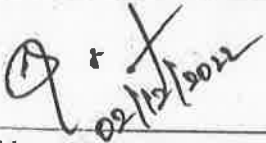
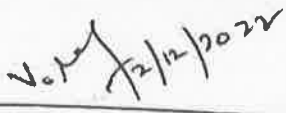
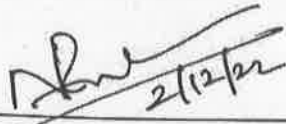

- As per **IS 383-2016, IS 456-2000**

Remarks:

- The grading zone falls under **Zone II** (as per IS 383-2016)
- The specific gravity of the soil sample lies within the range of **2.6 - 3.0**
- The concrete attained more than **30% strength after 3 days**(6 N/mm²).
- * As per the results obtained, the given sample is concluded as **River Sand** as per IS codal provisions.
- * **The given sample can be used for concrete works.**

NOTE:

This report is given to the client based on the samples provided by them.

 02/12/2022	 2/12/2022	 2/12/22
Tested by - Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Re. NO: 1A



GOVERNMENT OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113,
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1492 Date : 08/12/2022
Rec. No. : 469/22-23 Account : COLLEGE A/C
Payee Name : Mr.N.Muthuswami
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	M Sand Test	1000.00
	Total Amount	1000.00

08/12/2022 9:49:10 AM

Cashier - GAUTHAMAN



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/16

DATE: 26.11.2022

Client Details

Vnatpokki Interiors & Builders,
Velusampuram, Karur.
Mobile: +91 9940140310, Email: ernandhu2435@gmail.com

Client Ref./Date

Letter Dated: 26.11.2022

Report Handover to

Vnatpokki Interiors & Builders, Karur

Sample Details

Type of Sample : Concrete Cube Date of Casting : 15.11.2022
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 26.11.2022
Grade of Concrete : M25 Quantity Received : 1
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

For Construction Site.

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A2	150x150x150	732	32.57	162.66	32.57

Reference:

- ✓ Compressive Strength (16% In one day, 40% In 3 days, 65% In 7 days, 90 % In 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by – Mr. G. Balaji, AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering,
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/15

DATE: 26.11.2022

Client Details

Vaatpokki Interiors & Builders,
Velusampuram, Karur.
Mobile: +91 9940140310, Email: ernandhu2435@gmail.com

Client Ref. /Date

Letter Dated: 26.11.2022

Report Handover to

Vaatpokki Interiors & Builders, Karur

Sample Details

Type of Sample : Concrete Cube Date of Casting : 15.11.2022
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 26.11.2022
Grade of Concrete : M25 Quantity Received : 1
Age of Concrete : 7 days as mentioned by the client

Purpose of the work

For Construction Site.

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₂	150x150x150	734	32.62	163.11	32..62

Reference:


- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

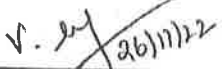
Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.


26/11/22
Tested by – Mr. G. Balaji, AP/Civil


26/11/22
Verified by – HoD/Civil


Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No. 15 & 16



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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1445 Date : 29/11/2022
Rec. No. : 444/22-23 Account : COLLEGE A/C
Payee Name : **VAAKPOKKI INTERIORS & BUILDERS**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CONCRETE CUBE	300.00
	Total Amount	300.00

29/11/2022 12:18:59 PM


Cashier - NIRMALA K



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/14		DATE: 25.11.2022
Client Details	Er. Subramani & CO, EID Parry, Pugalur. Mobile: +91 9942247816, Email: suriyakumar9292@gmail.com	
Client Ref. /Date	Letter Dated: 23.11.2022	
Report Handover to	Mr.C.Suriyakumar	
Sample Details	Type of Sample : Concrete Cube Date of Casting : 27.10.2022 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 25.11.2022 Grade of Concrete : M25 Quantity Received : 3 Age of Concrete : 28 days as mentioned by the client	
Purpose of the work	For Construction Site.	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST	

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	718	31.91	127.64	31.82
2	Sample A ₂	150x150x150	743	33.02	132.08	
3	Sample A ₃	150x150x150	687	30.53	122.13	

Reference:


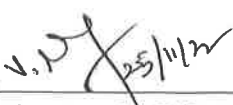


- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by – Mr. G. Balaji, AP/Civil	 Verified by – HoD/Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 23/11/20

CLIENT DETAILS

Name of the Client	Er. Subramani R CO
Address of the Client	E 1 D Pamy, Pugalur
Mobile No.	9942247816
Email ID	Suriyakumar9212@gmail.com

SAMPLE DETAILS

Type of Sample given	Concrete Cube
No. of. Sample given	3 No's
Name of the Test Requested	Compressive strength G. M05 D.O.C: 27/11/20
Purpose of Testing	for site work.
Test Report Hand over to	C. Suriyakumar

DECLARATION OF THE CLIENT

To
 The Principal,
 M.Kumarasamy College of Engineering,
 Thalavapiayam, Karur - 639 113.

I/We C. Suriyakumar declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: C. Suriyakumar

Consultancy Charges	RS. 150/-
Consultancy In-Charge	<u>[Signature]</u> 23/11/20
	HoD/Civil
	<u>[Signature]</u> 23/11/20



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AICTE Approval No. 732-53-064(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

Proposed Residential Layout Third Party Inspection Certificate

Report Ref. No: MKCE/CE/2022-23/ 13

DATE: 25.11.2022

Client Details

Mr. K. Kaniraj,
Municipality Commissioner,
Pugalur Municipality,
Karur.

Client Ref. /Date

Ref.No. 598/2022-2/F1; Letter Dated: 21.11.2022

Report Handover to

Mr. P. Jayachandran,
2/174, Aalamarathu Medu,
Thirukaduthurai,
Karur.

Plot Details

Ward No. 18,
Nanaparapu,
SF.No: 564/1A, 2, 3A, 4, 5A,
Pugalur Municipality,
Karur

Based on the inspection carried out on 24th November 2022, 10.00 a.m. by the faculty team at the proposed residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.

Report prepared by
Mr. R. Dineshkumar,
AP/Civil

Verified by
HoD/Civil

Approved by
Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajicivil@mkce.ac.in | Mobile: +91 8870881397.





The observations found during the inspection were listed below,

1. Roads

The plot consists of three different types of bituminous concrete roads with the specification as mentioned in Table 1.

Table 1. Observations at Roads provided

Width of Road	7.00 m	9.00 m	12.00 m
Formation Width / Carriage Way	4.7 m	5.6 m	7.3 m
Granular Sub Base (GSB)	20 cm	20 cm	20 cm
Wet Mis (WM)	8.5 cm	8.5 cm	8.5 cm
Bituminous Concrete (BC)	3 cm	3 cm	3 cm

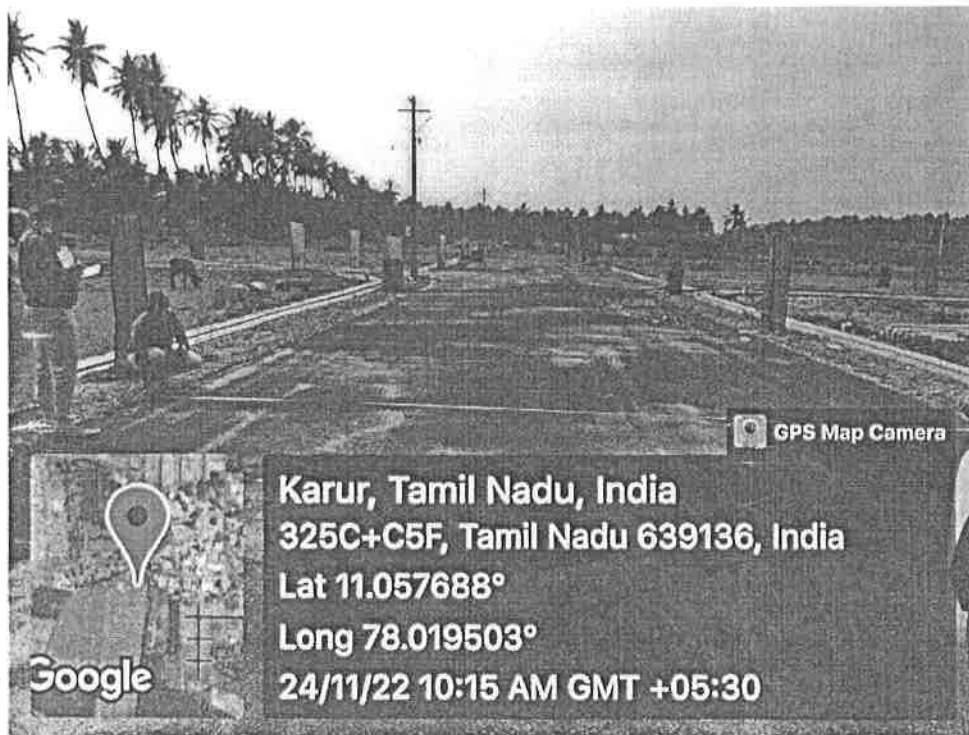


Fig. 2 Road Width Measurement



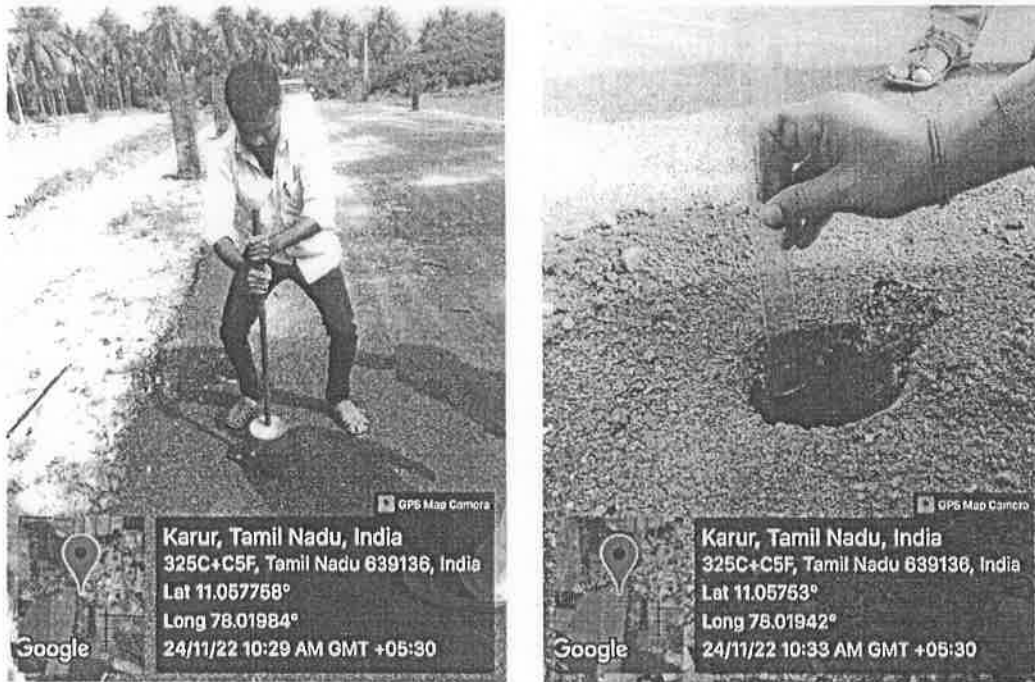


Fig. 3 Road cross section Measurement

2. Storm Water Drains

Storm water drains were provided on the either side of the roads having side wall width 25 cm and width of the drainage is about 75 cm.



Fig. 4 Storm Water Drains cross section Measurement





3. Culverts

Culverts were provided on the road junctions over the storm water drains having a width of 0.75 m and depth of the culvert slab is found to be 160 mm.

4. Park and Reserved Site

Reserved site allocated for public utility is 48.24 sqm and for TANGEDCO is 40.89 sqm as mentioned in the layout.

5. Water Supply

Water supply lines were laid and extended up to the public supply distribution limit.

6. Street Light

Street lights were provided on regular intervals on all the roads and were connected to the power grid.



Fig. 5 Street Light Provision

[Signature]
Prepared by
[R. DINESHKUMAR]
APCST-G/CMI

[Signature]
Verified by
Head of the Department
Department of Civil Engineering
M. Kumarasamy College of Engineering
(Autonomous) Karur - 639113,

[Signature]
Approved by
PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113



**Uniform guidelines for provision of basic infrastructures viz.,
Roads, Drains, Culverts, Fencing of park and reserved site, Water
supply line, UGSS and Street light for a new layout.**

1. Roads:

The width of right of way, carriage way and road shall be formed, complying to the specifications suitable to the site condition and finished with bituminous concrete as detailed below.

Road	Recommendation of the committee for type of road				
	7.00m	9.00m	12.00m	15.00m	18.00m
Width of road	7.00m	9.00m	12.00m	15.00m	18.00m
Formation width / carriage way	4.00m	6.00m	6.00m	9.00m	9.00m
Granular Sub Base (GSB)	20.00cm	20.00cm	20.00cm	20.00cm	20.00cm
Wet Mix (WM)	15.00cm	15.00cm	15.00cm	15.00cm	15.00cm
Dense Bituminous Macadam (DBM)	5.00cm	5.00cm	5.00cm	5.00cm	5.00cm
Bituminous Concrete (BC)	3.00cm	3.00cm	3.00cm	3.00cm	3.00cm

2. Drains:

The drains shall be constructed to the carrying capacity of Storm Water with the following specifications:-

Foundation made concrete of 1:4:8 for a minimum thickness of 10cm with side wall of M20 concrete on two sides having thickness of 20cm each side. Drain should be provided with proper gradient and slope to dispose of the run-off water into the existing Storm Water Drain.

3. Culverts:

RCC culverts shall be provided at every junction of the road in the layout.

4. Fencing of Park and Reserved site :

Minimum of chain link fencing of 2x2 inches size to be provided and tied with cement concrete pillars at 3.0m interval and the height of pillar shall not be less than 5 feet above ground level.

5. Water Supply:

The developer shall provide necessary water supply arrangements so as to connect with existing / proposed water supply network, including house service connection in consultation with the local body. This shall be done in all layouts, irrespective of the layout lies within the coverage area or outside the coverage area of existing protected water supply scheme of the local body.

6. UGSS:

If the layout lies within the coverage area of existing underground sewerage scheme, the developer shall provide necessary sewerage network in consultation with the local body. ***"For uncovered areas this provisions is not applicable"***.

7. Street Light:

The developer should remit the charges prescribed by the TANGEDCO or estimate prepared by the local body for provision such facilities in the layout either to the local body or to TANGEDCO as prescribed by licensing authority.

1. Certification by the third party:

The infrastructure facilities developed by the layout promoter shall be inspected and verified by the Municipal Engineer and third party namely nearest engineering college.

2. Up keep/Maintenance of Amenities, if provided by Developers:

1. If the amenities are provided by the developer, the maintenance period of Infrastructure such as roads and drains shall be of 5 years

(or) till 60% of the development in the layout took place, whichever occurs later.

2. The developer is solely responsible for up keep maintenance of the roads and drains till the completion of maintenance period.
3. The developer shall pay an amount of Rs. 1 lakh per acre / part of the extent of the layout as caution deposit either by cash or bank guarantee.
4. If the developer fails to maintain the amenities properly, the ULB shall maintain it and the cost incurred shall be collected from the layout developer or may be adjusted from the deposit collected.
5. The amount will be refunded to the developer or owner on expiry of maintenance period after proper inspection.


20/10/22
Director of Municipal Administration

2/2

S.001
20/10/22

நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை

77
Hodani
22/11/2022

அனுப்புநர் :-

திரு. கு. கனிராஜ்,
ஆணையாளர்,
புகழூர்நகராட்சி,
வேலாயுதம்பாளையம் (அஞ்சல்),
புகழூர்வட்டம், கரூர் மாவட்டம்- 639 117.
மின்னஞ்சல்: commr.pugalur@gmail.com

பெறுநர் :-

முதல்வர்,
எம். குமாரசாமிபொறியியல்கல்லூரி,
தளவாபாளையம்,
கரூர்.

ந.க.எண்.792/2022-2/எப்1. நாள் : 22.11.2022.

ஐயா,

பொருள் : மனைப்பிரிவு -சேலம்மண்டலம்-கரூர்மாவட்டம் -புகழூர்நகராட்சி -
இந்நகராட்சிக்குட்பட்ட புன்செய்ப்புகழூர் (வடக்கு) கிராமம் புல எண்.
334/1சி இல் 1.00 ஏக்கர் பரப்பளவில் அமையும் குடியிருப்பு
மனைப்பிரிவில் உள்ள சாலை வசதிகள், மழைநீர் வடிகால் வசதிகள்,
தெருவிளக்கு வசதிகள் மற்றும் குடிநீர் பகிர்மான குழாய் வசதிகள்
அமைக்கப்பட்டது - தர ஆய்வு சான்று பெற்று தரக்கோருதல் -
தொடர்பாக.

பார்வை : 1. சென்னை, நகராட்சிகளின் நிர்வாக இயக்குநர் அவர்களின்
சுற்றறிக்கை ந.க.எண். 12843/2022/டிபி-2நாள். 20.10.2022.
2. தொடர்புடையஆவணங்கள்.

*_*_*_*_*_*_*_*_*_*

புகழூர் நகராட்சிக்குட்பட்ட வார்டுஎண். 18, புன்செய்ப்புகழூர் (வடக்கு) கிராமம், புலஎண்.
334/1சில் 1.00 ஏக்கர் பரப்பளவில் அமையும் மனைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள
சாலைவசதிகள், மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர் பகிர்மான
குழாய் வசதிகள் ஆகிய பணிகளுக்கு தர ஆய்வு செய்து(Third Party Inspection) தர சான்று
வழங்குமாறு கனிவுடன் கேட்டுக்கொள்கிறேன்.

நகல் :

திருமதி. B.செந்தாமரை
க/பெ கே.பால்சாமி,
கதவுஎண். 48, மேட்டுப்பாளையம்,
கிழக்கு தவிட்டுப்பாளையம் (அ),
மண்மங்கலம் வட்டம், கரூர்மாவட்டம்.

ஆணையாளர்,
புகழூர்நகராட்சி.

22/11/2022

Re No: 13



M. N. SUBBARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PIN CODE - 635 111,
TAMIL NADU, Phone No. : 04324 276755, 272155

Receipt

Ref. No. : 1428 Date : 25/11/22
Rec. No. : 435/22-23 Account : COLLEGE
Payee Name : Mr. Kaniraj
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection Certificate	5000.00
	Total Amount	5000.00

25/11/2022 10:28:59 AM

Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 25.11.22.

CLIENT DETAILS

Name of the Client	Mr. K. Kanival, Municipality Commissioner, Pugalur Municipality
Address of the Client	Municipality Commissioner, Pugalur.
Mobile No.	
Email ID	

SAMPLE DETAILS

Type of Sample given	
No. of. Sample given	
Name of the Test Requested	Third party Inspection Certificate
Purpose of Testing	Proposed Residential layout Inspection
Test Report Hand over to	Mr. P. Jayachandran

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapiayam, Karur - 639 113.

I/we P JAYACHANDRAN declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature:

Consultancy Charges - RS. 5000/-

Consultancy In-Charge

V. Jay
25/11/22
HOD/Civil

நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை

அனுப்புநர் :-

திரு. கு. கனிராஜ்,
ஆணையாளர்,
புகழூர் நகராட்சி,
வேலாயுதம்பாளையம் (அஞ்சல்),
புகழூர் வட்டம், கரூர் மாவட்டம் - 639 117.
மின்னஞ்சல் : commr.pugalur@gmail.com

பெறுநர் :-

முதல்வர்,
எம். குமாரசாமி பொறியியல் கல்லூரி,
தளவாபாளையம்,
கரூர்.

ந.க.எண். 598/2022-2/எப்1. நாள் : 21.11.2022.

ஐயா,

பொருள் : மனைப்பிரிவு - சேலம் மண்டலம் - கரூர் மாவட்டம் -
புகழூர் நகராட்சி - இந்நகராட்சிக்குட்பட்ட புன்செய்ப்புகழூர் (தெற்கு)
கிராமம் புல எண். 564/1A, 2, 3A, 4, 5A இல் 2.35 ஏக்கர் பரப்பளவில்
அமையும் குடியிருப்பு மனைப்பிரிவில் உள்ள சாலை வசதிகள்,
மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர்
பகிர்மான குழாய் வசதிகள் அமைக்கப்பட்டது - தர ஆய்வு சான்று
பெற்று தரக்கோருதல் - தொடர்பாக.

பார்வை : 1. சென்னை, நகராட்சிகளின் நிர்வாக இயக்குநர் அவர்களின்
சுற்றறிக்கை ந.க.எண். 12843/2022/டிபி-2 நாள். 20.10.2022.
2. தொடர்புடைய ஆவணங்கள்.

*_*_*_*_*_*

புகழூர் நகராட்சிக்குட்பட்ட வார்டு எண். 18, நாணப்பரப்பு பகுதியில்
புன்செய்ப்புகழூர் (தெற்கு) கிராமம், புல எண். 564/1A, 2, 3A, 4, 5A இல் 2.35 ஏக்கர்
பரப்பளவில் அமையும் மனைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள சாலை வசதிகள்,
மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர் பகிர்மான குழாய் வசதிகள்
ஆகிய பணிகளுக்கு தர ஆய்வு செய்து (Third Party Inspection) சான்று பெற்று
வழங்குமாறு கனிவுடன் கேட்டுக்கொள்கிறேன்.

நகல் :

திரு. ப. ஜெயச்சந்திரன் மற்றும்
திரு. சி. தங்கவேல்,
கதவு எண். 2/174, ஆலமரத்துமேடு,
திருக்காட்டுத்துறை,
புகழூர் வட்டம், கரூர் மாவட்டம்.

ஆணையாளர்,
புகழூர் நகராட்சி.

21/11/2022



M.K.UMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/12	DATE: 02.11.2022
Client Details	SRI AMMAN HOLLOW BLOCKS, Velayuthampalayam to Erode main road, Muthanur – 639 117 . Mobile: 9944436425
Client Ref. /Date	Letter Dated: 02.11.2022
Report Handover to	Mr.R.Rajendrakumar
Sample Details	Type of Sample : Paver Block Condition : Satisfactory Size of the Sample : 250x115x80 mm Type : Zig Zag Grade of Block : M40 Quantity Received : 3
Purpose of the work	For construction work
Type of Test	COMPRESSIVE STRENGTH OF PAVER BLOCK – PAVER BLOCK TEST

RESULT:

S.No.	Block Sample	Size (mm)	Area of the block (mm ²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm ²)	Corrected Compression Strength (N/mm ²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm ²)
1	Sample A ₁	250x115x80	28750	5.600	981000	34.12	40.26	41.84
2	Sample A ₂	250x115x80	28750	5.400	1058000	36.80	43.42	

Reference:



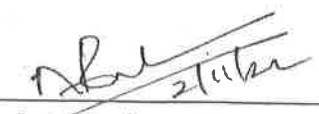

- ✓ As per **IS 15658: 2006**, The minimum average 28 Days Compressive Strength should be **40.41 N/mm²**.

Remarks:

- ✓ The given block samples are **attained the recommended average compressive strength**. So, the given paver block samples are **suitable for construction**.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by – Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Re NO:12



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1358 Date : 02/11/2022
Rec. No. : **391/22-23** Account : COLLEGE A/C
Payee Name : **SRI AMMAN HOLLOW BLOCKS**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Faver Block	500.00
	Total Amount	500.00

02/11/2022 9:55:09 AM


Cashier - NIRMALA K



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilnadu.

PC NO: 12 KR

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 01/11/2020

CLIENT DETAILS

Name of the Client	Sri Amman Hollow Blocks
Address of the Client	V. Palayam to Erode main Road Muthanur - 639113.
Mobile No.	99444 36425
Email ID	-

SAMPLE DETAILS

Type of Sample given	Paver Block	
No. of. Sample given	2	
Name of the Test Requested	Compression Test	Grade M40.
Purpose of Testing	for site work	
Test Report Hand over to	Rajendra kumar. R	

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Rajendra kumar. R declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: R. Rajendra

Consultancy Charges

Rs. 500/-
Rajendra kumar. R

Consultancy In-Charge

HOD/Civil



M.KUMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/11

DATE: 20.10.2022

Client Details

Vaatpokki Interiors & Builders,
Velusampuram, Karur.
Mobile: +91 9940140310, Email: ernandhu2435@gmail.com

Client Ref. /Date

Letter Dated:14.10.2022

Report Handover to

Vaatpokki Interiors & Builders, Karur

Sample Details

Type of Sample : Concrete Cube Date of Casting :04.10.2022
Size of the Sample :150 x 150 x 150 mm Date of Testing :14.10.2022
Grade of Concrete :M20 Quantity Received : 2
Age of Concrete :7 days as mentioned by the client

Purpose of the work

For Construction Site.

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. . Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	477	21.20	106	20.31
2	Sample A ₂	150x150x150	437	19.42	97.11	

Reference:

- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

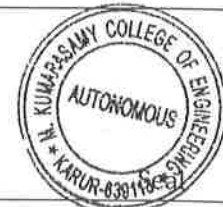
Tested by - Mr. G. Balaji, AP/Civil

Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajg.civil@mkce.ac.in | Mobile: +91 8870881397.





Re. NO: 11

M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 0432+ 270755, 272155



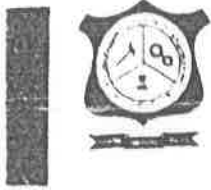
Receipt

Ref. No. : 1325 Date : 20/10/2022
Rec No. : **378/22-23** Account : COLLEGE A/
Payee Name : **Vaatpokki interiors & builders**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Compression Test	300.00
	Total Amount	300.00

20/10/2022 10:20:32 AM


Cashier - NIRMALA K



M.K.UMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by ARCI & Affiliated to Anna University

ISO 9001:2015 & ISO 14001:2015 Certified Institution

ARCI Approval No: 712/31/064(NDGF)/97 dt: 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCF/CE/2022-23/10

DATE: 12.10.2022

Client Details	Vaatpokki Interiors & Builders, Velusampuram, Karur. Mobile: +91 9940140310, Email: ernandhu2435@gmail.com
Letter Ref./Date	Letter Dated: 12.10.2022
Report Handover to	Vaatpokki Interiors & Builders, Karur
Sample Details	Type of Sample : Concrete Cube Date of Casting : 05.10.2022 Size of the Sample : 150 x 150 x 150 mm Date of Testing : 12.10.2022 Grade of Concrete : M20 Quantity Received : 2 Age of Concrete : 7 days as mentioned by the client
Purpose of the work	For Construction Site.
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT

S.No	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	398	17.68	88.44	15.15
2	Sample A ₂	150x150x150	284	12.62	63.11	

Reference:

- ✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90% in 14 days, 99% in 28 days).

Remarks:

- ✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by - Mr. G. Balaji, AP/Civil	Verified by - HOD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering, Email: balajicivil@mkce.ac.in Mobile: +91 8870881397.		

Re. No: 10



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 1282 Date : 13/10/2022
Rec. No. : 358/22-23 Account : COLLEGE A/C
Payee Name : VAATPOKKI INTERIORS & BUILDERS
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	COMPRESSION TEST	300.00
	Total Amount	300.00

13/10/2022 9:51:02 AM

Cashier - GAUTHAMAN



M.K.UMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/09

DATE: 07.10.2022

Client Details

SRI KUMARAN AUTO FUELS,

OPP to green garden, manauadi, Karur -5.

Mobile: 9597390378, Email: kumareshkmk95@gmail.com

Client Ref. /Date

Letter Dated: 07.10.2022

Report Handover to

Mr.M.Kumaresan

Sample Details

Type of Sample : Paver Block Condition : Satisfactory
Size of the Sample : 250x115x80 mm Type : Zig Zag
Grade of Block : **M40** Quantity Received : 3

Purpose of the work

For laying outside of petrol bunk

Type of Test

COMPRESSIVE STRENGTH OF PAVER BLOCK – PAVER BLOCK TEST

RESULT:

S.No.	Block Sample	Size (mm)	Area of the block (mm ²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm ²)	Corrected Compression Strength (N/mm ²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm ²)
1	Sample A ₁	250x115x80	28750	6.140	923000	32.75	38.65	42.45
2	Sample A ₂	250x115x80	28750	6.290	1075000	37.39	44.12	
3	Sample A ₃	250x115x80	28750	6.350	1105000	39.21	46.27	

Reference:

- ✓ As per **IS 15658: 2006**, The minimum average 28 Days Compressive Strength should be **40.41 N/mm²**.

Remarks:

- ✓ The given block samples are **attained the recommended average compressive strength**. So, the given paver block samples are **suitable for construction**.

NOTE:

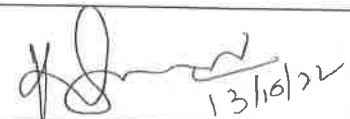
This report is given to the client based on the samples provided by them.


12/10/22

Tested by – Mr. G. Balaji, AP/Civil


13/10/22

Verified by – HoD/Civil


13/10/22

✓ Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig_civil@mkce.ac.in | Mobile: +91 8870881397.



Re. No. 09



M.KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1284 Date : 13/10/2022
Rec. No. : **360/22-23** Account : COLLEGE A/
Payee Name : **SRI KUMARAN AUTO FUELS**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	PAVER BLOCK TEST	300.00
	Total Amount	300.00

13/10/2022 9:53:04 AM

Cashier - GAUTHAMAN



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DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/08		DATE:	30.09.2022
Client Details		Mr.Venkatesh	
Client Ref. /Date:	27.09.2022	Letter Dated:	27.09.2022
Sample Collected date	27.09.2022	Sample received date	27.09.2022
Report Handover to		Mr.Venkatesh	
Purpose of the Work		Water testing for drinking purpose	
Qty. of sample	5 litre	Test commenced on:	28.09.2022
Sample Location	Bore Water Srinivasapuram, Karur	Test completed on:	30.09.2022

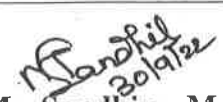

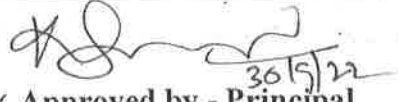
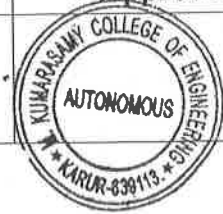
RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012 Acceptable limit
1	pH@ 25°C	NA	IS 3025: Part 11	8.1	6.5-8.5
2	Total dissolved solids	mg/L	IS 3025: Part 16	401	500
3	Total Hardness	mg/L	IS 3025: Part 21	315	200-600 (As per new code)
4	Total Alkalinity	mg/L	IS 3025: Part 23	73	200
5	Chloride	mg/L	IS 3025: Part 32	20	250
6	Sulphate	mg/L	IS 3025: Part 24	42	200
7	Fluoride	mg/L	IS 3025: Part 60	<0.2	1
8	Dissolved Oxygen	mg/L	IS 3025: Part 38	3.2	6.5-8

REMARKS: As per IS 10500: 2012 recommendation the collected water sample characteristics are within the permissible limit thus it can be used for drinking purpose.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by- Ms. Sandhiya .M, AP/Civil	 Verified By - HoD/ Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397		 Seal



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DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/07		DATE:	30.09.2022
Client Details		Mr.Venkatesh	
Client Ref. /Date:	27.09.2022	Letter Dated:	27.09.2022
Sample Collected date	27.09.2022	Sample received date	27.09.2022
Report Handover to		Mr.Venkatesh	
Purpose of the Work		Water testing for drinking purpose	
Qty. of sample	5 litre	Test commenced on:	28.09.2022
Sample Location	Corporation Water Srinivasapuram, Karur	Test completed on:	30.09.2022

RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012 Acceptable limit
1	pH@ 25°C	NA	IS 3025: Part 11	7.02	6.5-8.5
2	Total dissolved solids	mg/L	IS 3025: Part 16	345	500
3	Total Hardness	mg/L	IS 3025: Part 21	250	200-600 (As per new code)
4	Total Alkalinity	mg/L	IS 3025: Part 23	62	200
5	Chloride	mg/L	IS 3025: Part 32	10	250
6	Sulphate	mg/L	IS 3025: Part 24	40	200
7	Fluoride	mg/L	IS 3025: Part 60	<0.1	1
8	Dissolved Oxygen	mg/L	IS 3025: Part 38	3	6.5-8

REMARKS: As per IS 10500: 2012 recommendation the collected water sample characteristics are within the permissible limit thus it can be used for drinking purpose.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by- Ms. Sandhya .M, AP/Civil <i>Sandhya</i> 30/9/22	Verified By- HoD/ Civil <i>V. Venkatesh</i> 30/9/22	Approved by - Principal <i>[Signature]</i> 30/9/22
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397		Seal



M.KUMARASAMY COLLEGE OF ENGINEERING
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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 1220 Date : 30/09/2022
 Rec. No. : 338/22-23 Account : COLLEGE A/C
 Payee Name : Mr.Venkatesh
 Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Water Testing	2000.00
	Total Amount	2000.00

30/09/2022

4:18:40 PM

Cashier - GAUTHAMAN



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COLLEGE OF ENGINEERING
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Thalavapalayam, Karur, Tamilnadu.



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 27.09.22

CLIENT DETAILS

Name of the Client	Mrs. VENKATESH
Address of the Client	Srinivasa Puram Karur
Mobile No.	9384023296
Email ID	venkatvg98@gmail.com

SAMPLE DETAILS

Type of Sample given	Corporation Water, Bore Water
No. of. Sample given	2
Name of the Test Requested	TDS, pH, Hardness, Chlorides, Sulphates, DO Alkalinity
Purpose of Testing	Drinking water
Test Report Hand over to	Venkatesh

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Venkatesh declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: G. V. V. V.

Consultancy Charges	Rs. 2000/-		
Consultancy In-Charge	<u>Standil</u> <u>27/09/22</u>	HoD/Civil	<u>V.V.V. V.</u>



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/06

DATE: 29.09.2022

Client Details

SRI KUMARAN AUTO FUELS,
OPP to green garden, manauadi, Karur -5.
Mobile: 9597390378, Email: kumareshkmk95@gmail.com

Client Ref. /Date

Letter Dated:29.09.2022

Report Handover to

Mr.M.Kumaresan

Sample Details

Type of Sample :Paver Block Condition:Satisfactory
Size of the Sample :245x115x80mm Type :Zig Zag
Grade of Block :M40Quantity Received : 2

Purpose of the work

For laying outside of petrol bunk

Type of Test

COMPRESSIVE STRENGTH OF PAVER BLOCK- PAVER BLOCK TEST

RESULT:

S.No.	Block Sample	Size (mm)	Area of the block (mm ²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm ²)	Corrected Compression Strength (N/mm ²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm ²)
1	Sample A ₃	245x115x80	28175	5.370	905000	32.12	37.90	37.90

Reference:

- ✓ As per IS 15658: 2006, The minimum average 28 Days Compressive Strength should be 40.41 N/mm²,

Remarks:

- ✓ The given block samples are not attained the recommended average compressive strength. So, the given paver block samples are not suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

[Signature]
29/9/22

Tested by - Mr. G. Balaji, AP/Civil

[Signature]
30/9/22

Verified by - HoD/Civil

[Signature]
30/9/22
Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.





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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/05

DATE: 29.09.2022

Client Details	SRI KUMARAN AUTO FUELS, OPP to green garden, manauadi, Karur -5. Mobile: 9597390378, Email: kumareshkmk95@gmail.com
Client Ref. /Date	Letter Dated:29.09.2022
Report Handover to	Mr.M.Kumaresan
Sample Details	Type of Sample :Paver Block Condition:Satisfactory Size of the Sample :245x115x80mm Type :Zig Zag Grade of Block :M40Quantity Received : 1
Purpose of the work	For laying outside of petrol bunk
Type of Test	COMPRESSIVE STRENGTH OF PAVER BLOCK- PAVER BLOCK TEST

RESULT:

S.No.	Block Sample	Size (mm)	Area of the block (mm ²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm ²)	Corrected Compression Strength (N/mm ²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm ²)
1	Sample A ₁	245x115x80	28175	5.440	732000	25.98	30.65	30.65

Reference:

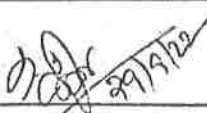
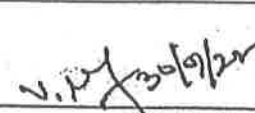

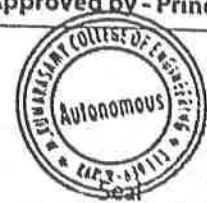
- ✓ As per IS 15658: 2006, The minimum average 28 Days Compressive Strength should be 40.41 N/mm².

Remarks:

- ✓ The given block samples are not attained the recommended average compressive strength. So, the given paver block samples are not suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

		
Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397.		

Re No: 05406



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THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 1283 Date : 13/10/2022
Rec. No. : **359/22-23** Account : COLLEGE A/
Payee Name : **SRI KUMARAN AUTO FUELS**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	COMPRESSION TEST	300.00
	Total Amount	300.00

13/10/2022 9:51:40 AM


Cashier - GAUTHAMAN



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/04

DATE: 09.09.2022

Client Details	SRI KURINJI BRICKS, No. 109/2, Theeran Nagar, Erode Main Road, Near IMA Hall, Atur Post, Karur, Tamil Nadu – 693 002. Mobile: 79045 07150. Email: srikurinjibricks@gmail.com
Client Ref. /Date	Letter Dated: 09.09.2022
Report Handover to	SRI KURINJI BRICKS.
Sample Details	Type of Sample : Fly Ash Cement Brick Size of the Sample : 225 x 100 x 70 mm Date of Testing : 09.09.2022 Quantity Received : 3
Purpose of the work	For Construction Site.
Type of Test	COMPRESSIVE STRENGTH OF FLY ASH BRICK – BRICK TEST

RESULT:

S.No.	Brick Sample	Size (mm)	Weight of Sample (kg)	Ultimate Compression Load (kN)	Compressive Strength of Fly Ash brick (kg/cm ²)	Average Compressive Strength of Fly Ash brick (kg/cm ²)
1	Sample 1 -Old	225 x 100 x 70	3.540	295	133.69	118.28
2	Sample 2- Old	225 x 100 x 70	3.340	212	96.08	
3	Sample 3- Old	225 x 100 x 70	3.460	276	125.08	

Reference: (According to IS 12894: 2002) (Compressive Strength of bricks):

❖ Based on the test results the given brick samples were under **Class 10** Designation.

Cross Reference:

- ✓ 1st class brick is 105 kg/cm². 2. 2nd class brick is 70 kg/cm². 3. Common building brick is 35 kg/cm².
- 4. Fly Ash brick is 90 to 150 kg/cm²

Remarks:

✓ The given brick samples attained the recommended average compressive strength. So, the given samples are suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajicivil@mkce.ac.in Mobile: 9138870881997. - 270755, 272155

Fax : 04324-272155



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/03		DATE: 09.09.2022
Client Details	SRI KURINJI BRICKS, No. 109/2, Theeran Nagar, Erode Main Road, Near IMA Hall, Atur Post, Karur, Tamil Nadu – 693 002. Mobile: 79045 07150. Email: srikurinji bricks@gmail.com	
Client Ref. /Date	Letter Dated: 09.09.2022	
Report Handover to	SRI KURINJI BRICKS.	
Sample Details	Type of Sample : Fly Ash Cement Brick Size of the Sample : 225 x 100 x 70 mm Date of Testing : 09.09.2022 Quantity Received : 3	
Purpose of the work	For Construction Site.	
Type of Test	COMPRESSIVE STRENGTH OF FLY ASH BRICK – BRICK TEST	

RESULT:

S.No.	Brick Sample	Size (mm)	Weight of Sample (kg)	Ultimate Compression Load (kN)	Compressive Strength of Fly Ash brick (kg/cm ²)	Average Compressive Strength of Fly Ash brick (kg/cm ²)
1	Sample 1 -New	225 x 100 x 70	3.380	241	109.22	115.87
2	Sample 2- New	225 x 100 x 70	3.600	244	110.58	
3	Sample 3- New	225 x 100 x 70	3.430	282	127.80	

Reference: (According to IS 12894: 2002) (Compressive Strength of bricks):

❖ Based on the test results the given brick samples were under Class 10 Designation.

Cross Reference:

- ✓ 1st class brick is 105 kg/cm². 2. 2nd class brick is 70 kg/cm². 3. Common building brick is 35 kg/cm².
- 4. Fly Ash brick is 90 to 150 kg/cm²

Remarks:

- ✓ The given brick samples attained the recommended average compressive strength. So, the given samples are suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajicivil@mkce.ac.in | Mobile: 3091387088, 199724 - 270755, 272155

Fax : 04324-272



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TIGALAYAPALAYAM, KARUR DIST. PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref No. : 1012 Date : 09/09/2022
Rec. No. : 306/22-23 Account : COLLEGE A/
Payee Name : Sri Kurinji Bricks
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Brick Test	600.00
	Total Amount	600.00

09/09/2022 3:45:12 PM

Cashier - GAUTHAMAN



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MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

Report Ref. No: MKCE/CE/2022-23/02

DATE: 29.08.2022

Client Details

Mr.Veeramani,
Palammalpuram,
Karur D.T. Mobile: 9629130140.

Client Ref. /Date

Letter Dated: 29.08.2022

Report Handover to

Saravanaa RMC, Karur

Sample Details

Type of Sample : Concrete Cube Date of Casting : 01.08.2022
Size of the Sample : 150 x 150 x 150 mm Date of Testing : 29.08.2022
Grade of Concrete : M20 Quantity Received : 2
Age of Concrete : 28 days as mentioned by the client

Purpose of the work

For Construction Site.

Type of Test

COMPRESSIVE STRENGTH OF CONCRETE – CUBE TEST

RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm ²)	% Strength Attained	Avg. Compressive strength (N/mm ²)
1	Sample A ₁	150x150x150	623	27.68	138.44	26.64
2	Sample A ₂	150x150x150	576	25.60	128	

Reference:


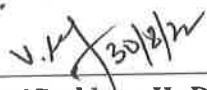
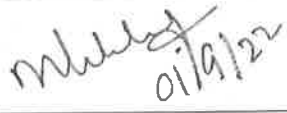
✓ Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 14 days, 99% in 28 days).

Remarks:

✓ The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 29/8/22	 30/8/22	 01/9/22
Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



Seal



M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)

THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155



Receipt

Ref. No. : 905 Date : 01/09/2022
Rec. No. : **280/22-23** Account : COLLEGE A/C
Payee Name : **Mr. Veeramani (Saravana RMC)**
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Compression Test	300.00
	Total Amount	300.00

Re. NO: 2

Cashier - GAUTHAMAN

01/09/2022 10:04:52 AM



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 29/8/22

CLIENT DETAILS

Name of the Client	Saravanaa RMC [Ms. Veeramani]
Address of the Client	Palammalpuram, leasue
Mobile No.	9629130160
Email ID	saravanaa_rmc@gmail.com

SAMPLE DETAILS


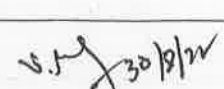
Type of Sample given	Concrete cube
No. of. Sample given	2
Name of the Test Requested	Compression test
Purpose of Testing	Site work.
Test Report Hand over to	Mr. Thiyasrajan.P

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Mr. Thiyasrajan.P declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: 

Consultancy Charges	RS. 200/-		
Consultancy In-Charge		HoD/Civil	



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AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT			
Report Ref. No: MKCE/CE/2022-23/01			DATE: 25.08.2022
Client Details		Mr.N.Muthuswami	
Client Ref. /Date:	22.08.2022	Letter Dated:	22.08.2022
Sample Collected date	22.08.2022	Sample received date	22.08.2022
Report Handover to		Mr.Santhosh	
Purpose of the Work		Water testing for construction	
Qty. of sample	1 litre	Test commenced on:	23.08.2022
Sample Location	Karur	Test completed on:	25.08.2022

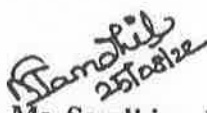
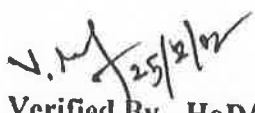
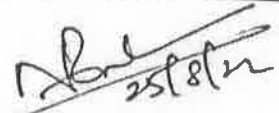

RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012 and IS 456:2000
1	Odour	-	IS 3025 : Part 05	Acceptable	Acceptable
2	Taste	-	IS 3025 : Part 08	Acceptable	Acceptable
3	pH@ 25°C	-	IS 3025 : Part 11	7.05	Greater than 6
4	Total Dissolved Solids	mg/L	IS 3025 : Part 16	450	500
5	Total Suspended Solids	mg/L	IS 3025 : Part 17	150	2000
6	Organic Solids	mg/L	IS 3025 : Part 18	100	200
7	Inorganic Solids	mg/L	IS 3025 : Part 18	1500	3000
8	Chloride	mg/L	IS 3025 : Part 32	90	500 for RCC & 2000 for PCC
9	Sulphate	mg/L	IS 3025 : Part 24	138	400

REMARKS: The Collected water sample characteristics are suitable for construction.

NOTE:

This report is given to the client based on the samples provided by them.

 Tested by- Ms. Sandhiya .M, AP/Civil	 Verified By - HoD/ Civil	 Approved by - Principal
If you require any clarification, please contact Consultancy in-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in Mobile: +91 8870881397		



Re. No: 01

M. KUMARASAMY COLLEGE OF ENGINEERING
(Autonomous)



THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
TAMIL NADU. Phone No. : 04324 270755, 272155

Receipt

Ref. No. : 865 Date : 25/08/2022
Rec. No. : 265/22-23 Account : COLLEGE A/
Payee Name : Mr. Muthuswami
Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Water Testing For Drinking & Construction	2000.00
	Total Amount	2000.00

25/08/2022 4:39:58 PM


Cashier - GAUTHAMAN



MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 22.08.2022

CLIENT DETAILS

Name of the Client	N. MUTHUSWAMI
Address of the Client	Karur
Mobile No.	9843055955
Email ID	—

SAMPLE DETAILS

Type of Sample given	Water Sample
No. of. Sample given	1
Name of the Test Requested	Water for drinking & construction
Purpose of Testing	Construction & drinking
Test Report Hand over to	Santhosh [9047095409] ✓

DECLARATION OF THE CLIENT

To
The Principal,
M.Kumarasamy College of Engineering,
Thalavapalayam, Karur - 639 113.

I/We Santhosh declare that the above given information and sample given is to my knowledge with assurance of good sampling techniques without any concealed material therein. I also undertake the results are not to be changed given by you.

Signature: [Signature]

Consultancy Charges	Rs. 2000/-		
Consultancy In-Charge	<u>[Signature]</u> 22/08/22 (Ms. M. SANDHYA)	HoD/Civil	<u>[Signature]</u> 25/8/22