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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

### 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-CSF



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

Mrs.S. Vandhana,

Manager



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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



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

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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:

Scheme: PLATINUM TRUST ACCOUNT

PAN:AAATM9584D

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	7	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.diegc.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 Ranking



New Account

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

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Pay M.KV	MARASAMY COLL	EYE OF	ENGINEER	INY	2	हो या उनके आदेश पर	or Order	
रुपये Rupees	SEVENTY THO	USAND	only.	अदा करें	× ₹	70,000/-		
A/c.No.	920020058211000	7					For KR INC	
	CABCA 123460							

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

Partner(s)/Authorised Signatory
Please sign above

#584954# 639211002C 123460# 29

#584955# 639211002# 123460# 29



## M.KUMARASAMY



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

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

Autonomous 639 NNS

Yours truly,



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

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

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,



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,



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



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

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

Autonomous 2

Yours truly,

www.mkce.ac.in





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,





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,



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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

Autonomous is

Yours truly,



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** 

Customer ID: 123021270 TAMIL NADU-INDIA IFSC Code: UTIB0000123 639113

MICR Code: 639211002 Nominee Registered:

Registered Mobile No :XXXXXX6377

Registered Email ID:

Scheme: PLATINUM TRUST ACCOUNT

PAN:AAATM9584D

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
0-03-2023		By Clg 605352 002 Karur		65000.00	1457813.62	2568
0-03-2023		SAK/CASH DEP/SAK337724096/123/SELF		316775.00	1774588.62	123
0-03-2023		CMS 123MKCO9192/CASH /		1633720.00	3408308.62	123
		TRANSACTION TOTAL	10301678.57	2957995.00		
		CLOSING BALANCE			3408308.6	2

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: SBIN0007771 SWIFT:

M. KVMARASAMY COLLEGE OF ENGINEERING RUPEES SEVENTY TWO THOUSAND ONLY

अवा करें

40660799115

CURRENT A/C

0523600001

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

51109706604

RAMC CLEAN ENERGY PRIVATE LIMITED

Please sign above

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

#944290# 639002003# 000937# 29

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

M. KUMARASAMY COLLEGE OF ENGINEERING

PARUPEES EIGHT THOUSAND ONLY

अदा करें

खा. तं. A'c No. 40660799115

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

51199706604

CURRENT A/C PREFIX: 0523600001

RAMC CLEAN ENERGY PRIVATE LIMITED

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

State Bank Of India (07771)-SIRUTHOZHIL BRANCH, KARUR 9 D 3 RAMAKRISINAPURAM
KARUR,KARUR 639001
Tel: 4324 230134 Fax: IFS Code: SBIN0007771 SWIFT;

M. KUMARASAMY COLLEGE OF ENGINEERING

RUPEES ONE LAKH TWENTY FOUR THOUSAND

40660799115

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

CURRENT A/C

51199706604

RAMC CLEAN ENERGY PRIVATE LIMITED

PREFIX: 0523600001

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

""944292" 639002003: 000937" 29





## 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.

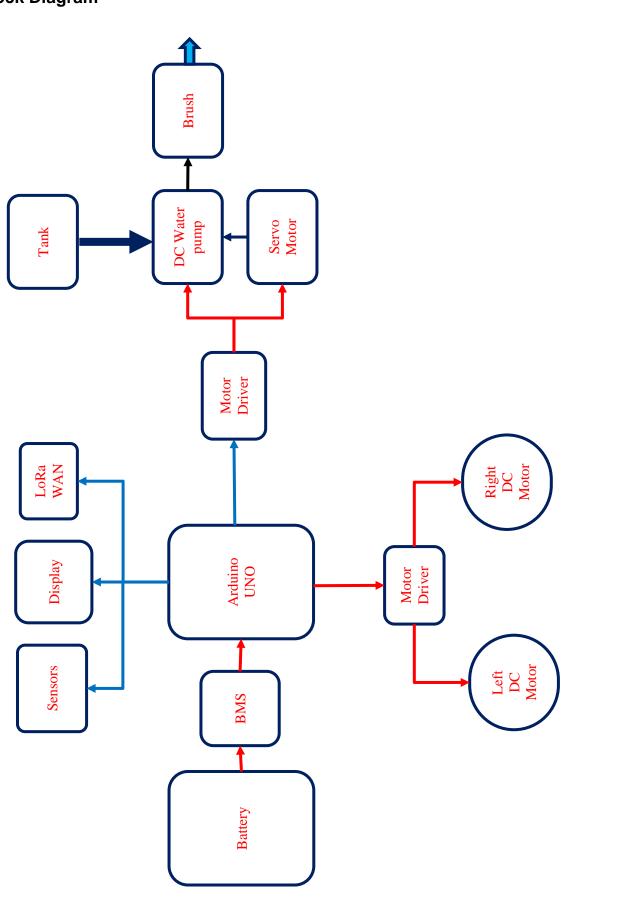
India receives annual sunshine of 2600 to 3200 hours per year and about 5,000 trillion kWh per year energy is incident over India's land area with most parts receiving 4-7 kWh per sq. m per day. Solar photovoltaic power can effectively be harnessed providing huge scalability in India.

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"**

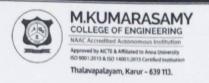
S.No	Component			No. of Units	Amount in Rs	
1	Roller Shock Absorber	RS PRO	1,500	2	3000	
2	LoRa WAN	UART Serial Module	6,200	1	6200	
3	Arduino	UNO	1,000	1	1000	
4	DC Motor	12V 60 RPM Gear Motor	4,500	6	27000	
5	Motor Driver	-	500	2	1000	
6	Servo motor	MG497	1,000	1	1000	
7	Display	OLED Screen	500	1	500	
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 co	st 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	





#### 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.



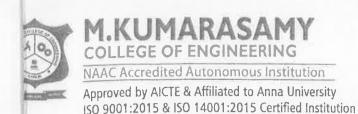


#### Conclusion

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 Enga.
M. Kumarasamy College Of Engineering
Karur-639 113.





02-11-2022

From

The Head of the department,

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

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 isrecognized 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., E.G.B.I.C.L., D. Litt., (USA), Professor & Hoad

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

alapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

www.mkce.ac.in



No.127-128, Main Road, Thalayapalayam, Karur - 639 113, Tamilnadu.



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., & There

Manager,

KR Renewable Private Ltd.,

Karur





### 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



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	Rs. 53,000
		Drone	
2	7	Implementation of drone	Rs. 65,000
		development	
3		Prototype	Rs. 67,000
		development	
		TOTAL	Rs. 1,85,000

Thanking You,

Place: Karur

Yours faithfully,

M.B.A., P.G.B.I.C.L., D.Litt., (USA),

M.B.A.,P.G.B.I.C.L., D.Litt., (USA), Professor & Head,

Dent of Electronics and Corporation Engagew. mkce.ac.in

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 27



No.127-128, Main Road, Thalayapalayam, 839 113, Tamilnadu.



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,

8 - (Var.,

~15...,

Manager,

KR Renewable Private Ltd..

Karur





## 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



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 andteam 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.O., M.B.A., P.G. B.I.C.L., D.LIII., (USA),

Professor & Head, Dept.of Electronics and Communication Engg., M.Kumaretomy College of Engineering, Kerur - 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





# IKUMARASAMY COLLEGE OF ENGINEERING

biat Holder :- -

MAIN ROAD THALAVAPALAYAM

NEAR POULTRY FARM

KARUR

TAMIL NADU-INDIA

639113

gegistered Mobile No :XXXXXX6377

Registered Email ID:

Scheme :PLATINUM TRUST ACCOUNT

Customer ID: 123021270 IFSC Code: UTIB0000123 MICR Code: 639211002

PAN: AAATM9584D

Nominee Registered:

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

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		OPENING BALANCE			10751992.19	
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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 selected the amount marked as lien, if any. Hence the closing balance displayed may not be the effective available balance. For any further tarifications, please contact the Branch.

शारतीय स्टेट वेंक State Bank Of India

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08







#### 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:

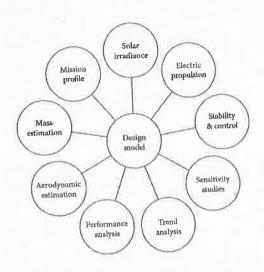


Figure 1 Solar-powered drone design elements.

# 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 theorical drone model.

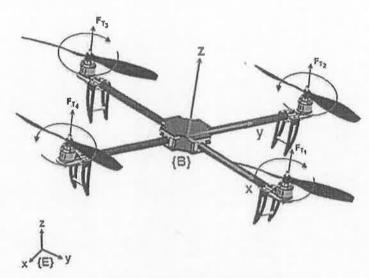


Figure 2 Theorical model

Where:

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

FTi: 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.

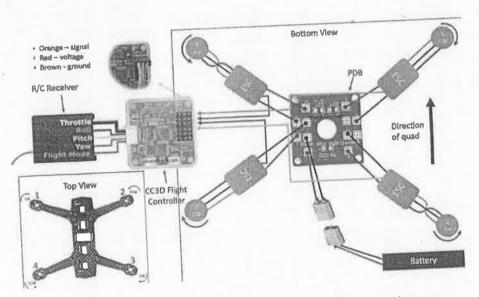


Figure 3 Solar Powered Drone Circuit Diagram

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.

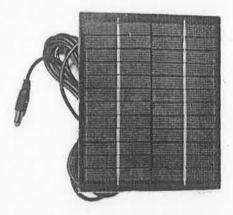


Figure 4 Solar Panels for Drone

# Power Management System

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

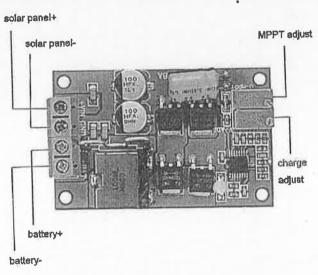


Figure 5 Solar Charge Controller

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.

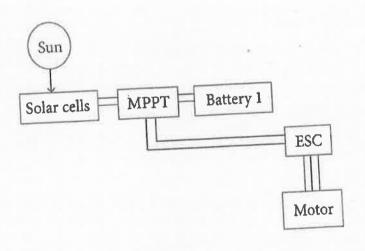


Figure 5 Battery Eliminator Circuit

# **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.

$$W_{TOmax} = W_{Struct} + W_{Batt} + W_{Solar} + W_{Electric} + W_{Ctrl} + W_{Pay-Max}$$

$$W_{TOmax} = W_{Empty} + W_{Pay Max}$$

$$(1)$$

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.

$$W_{\text{Empty}} = 0.79 \times b^{18.9012} S^{-9.4755} A R^{-9.4558} W^{0.99}_{\text{Tomax}} ----- (3)$$

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.

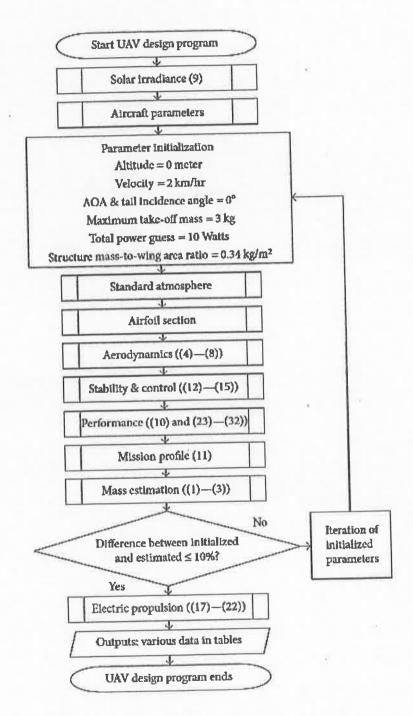
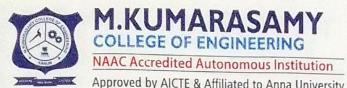


Figure 6 Design algorithm flowchart for drone.





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

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 to 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 lead of the Department loop M. Kumarasamy College of Engineering

(Autonomous) Thalavapalayam - Karur.

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

www.mkre.ac.in



# 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,

Authorised Signatory.

Phone No.: 04324 - 270357 / 270457

firmal kramakrishnancleanenergy@gmail.com







Date: 05.10.2022

From

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

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

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.

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

www.mkce.ac.in







#### 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.

Pisone No. : 04324 - 270357 / 270457 Email: kramakrishnancleanenergy@gmail.com

# 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,

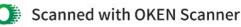
Head of the Department

For K. Romakrishnan Clean Energy Private Limited

Authorised Signatory.

Phone No.: 04324 - 270357 / 270457

Email: kramakrishnancleanenergy@gmail.com







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

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 Conege of Engineering

(Autonomous)
Thalavapalayam - Karur.

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457







#### 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 Internations Technology

M. Kumarasanny Conege 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,

Authorisad Signatory.

Phone No.: 04324 - 270357 / 270457

Email: kramakrishnancleanenergy@gmail.com



भारतीय स्टंट बेंक State Bank Of India (07771)-SIRUTHOZHIL BRANCH, KARUR 9 D 3 RAMAKRISHNAPURAM KARUR,KARUR 639001 Tel : 4324 230134 Fax: IFS Code : SBIN0007771 SWIFT :

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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,

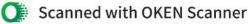
Yours faithfully,

Head of the Department

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

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

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MY. KUMARASAMY COLLEGE OF ENGINEERING

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CURRENT A/C PREFIX: 0523600001

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M/S K RAMAKRISHNAN CLEAN ENERGY PVT LTD

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

#463567# 634005003#; 000505#, 54





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,

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

www.mkce.ac.in



भारतीय स्टेट बेक (07771) SIRUTHOZHIL BRANCH, KARUR 9 D 3 RAMAKRISHNAPURAM KARUR KAR

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LUMARASAMY COLLEGE OF ENGINEERING

को या उनके आदेश पर OR ORDER

POURTY TWO THOUSAND

ONLY अदा करें

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CURRENT A/C PREFIX: 0523600001

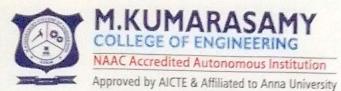
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M/S K RAMAKRISHNAN CLEAN ENERGY PVT LTD

HCITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

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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: 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

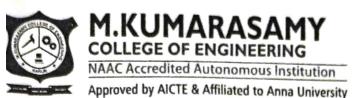
Head of the Department Department of Information Technology M. Kumarasamy College of Engineering (Autonomous)

Thalavapalayam - Karur.

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

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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

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. Aaccredited 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 foe 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

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

Manager





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

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	65000
	PV Panel	

Thanking You,

Yours singerely,

Head of The Department Department of Mechanical Engineering M.Kumarasamy College of Engineer

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

KARUR 639 113



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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

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,

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:

$$\frac{\partial y_i}{\partial x_i} = 0 \tag{1}$$

Momentum Equation:

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

**Energy Equation:** 

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

$$E_h = t\Omega_g H \tag{4}$$

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

$$E_t = \theta_g \beta_c H \tag{5}$$

Where,  $\theta_g$  is taken as transmittance of the glass cover and  $\beta_c$  is defined as coefficient of absorption of the PV cell.

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

$$E_{pv} = \eta_{pv} t \theta_g H \tag{6}$$

However, the thermal energy E<sub>th</sub> that the photovoltaic cell generates can be represented as

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

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 <sup>3</sup> )	Thermal conductivity (W/mK)	Specific heat Capacity (J/kgK)
Glass	3000	1.8	500
EVA	960	0.35	2090
	ell 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 an 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 <sup>2</sup>
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 10 Section with the section of the

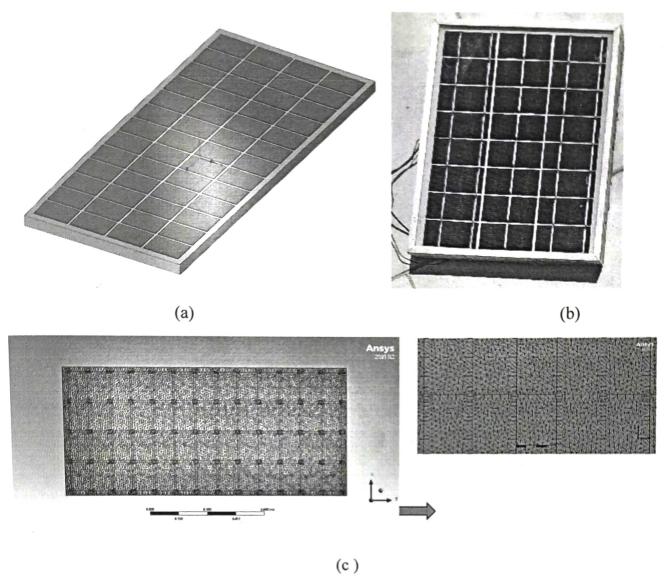


Figure 1 (a) Solid Model of PV Panel, (b) Actual photograph of PV panel, (c) Grid (Mesh) model of PV Panel

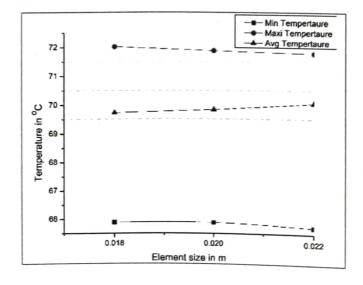


Figure 2 Grid Independence test

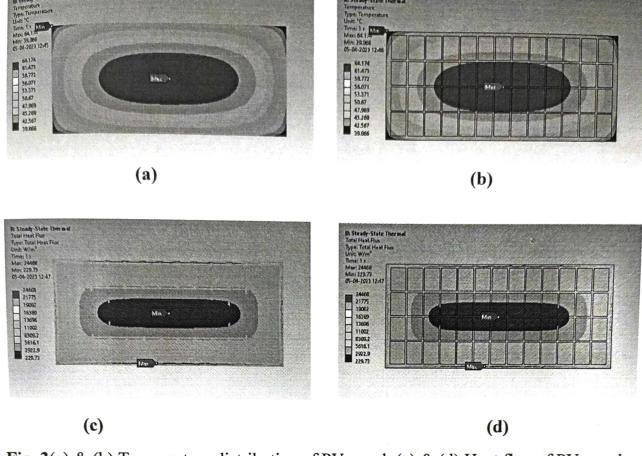


Fig. 3(a) & (b) Temperature distribution of PV panel, (c) & (d) Heat flux of PV panel

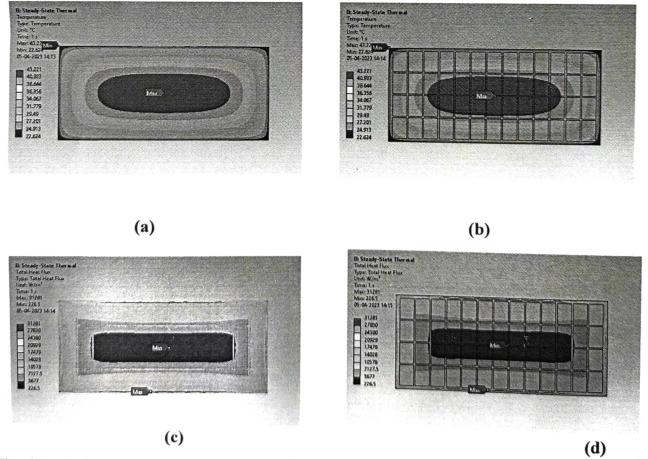


Fig. 4 (a) & (b)Temperature distribution of water cooled PV at peak irradiation (c) & (d)Heat flux of PV panel when water cooled at peak irradiation

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/m² and 229.73 W/m², 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/m² and 226.5 W/m², respectively.

## 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

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

KARUR (639 113)

भारतीय स्टेट बैंक State Bank Of India

(07771)-SME SIRUTHOZHIL BRANCH, KARUR 9 D 3 RAMAKRISHNAPURAM KARUR KARUR 639001 Tel : 4324 230134 Fax : 230305 IFS Code : SBIN0007771 SWIFT :

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KRV GREEN PRIVATE LIMITED

Please sign above

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# 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



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





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	70000
	Wind Turbines  Design and Investigation on Wind Turbine Blade	57000
2	Using ANSYS	100000
	Total Amount	127000

Thanking You,

College of Energy Per College of Energy Per

Yours sinterely,

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

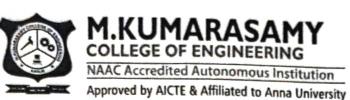
With reference of your letter on 05.10.2022 and Discussion, we accept your cost estimation to do the following consultancy work.

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

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





ISO 9001:2015 & ISO 14001:2015 Certified Institution 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,

**Nechanical** 

Yours sincerely.

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

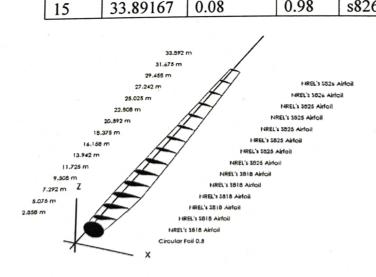
### Computational Fluid Dynamic Analysis of 1.5 MW Wind Turbines

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 tim

	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				

0.98

s826



0.08

33.89167

Fig 1 Airfoil distribution along the span of blade

## KRV GREEN PRIVATE LIMITED



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

RARUR G39 113

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	State	Bank	Of	India

(07771)-SME SIRUTHOZHIL BRANCH, KARUR 9 D 3 RAMAKRISHNAPURAM KARUR,KARUR 639001 Tel : 4324 230134 Fax : 230305 IFS Code : SBIN0007

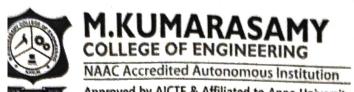
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Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

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,

HOD/Mechanical

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

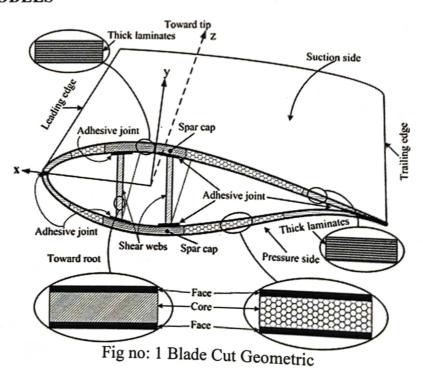
### DESIGN AND INVESTIGATION ON WIND TURBINE BLADE USING ANSYS

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



## 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

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

RARUR CONTROL TO THE PRIVATE OF THE

भारतीय स्टेट बेंक State Bank Of India (07771)-SME SIRUTHOZHIL BRANCH, KARUR 9 D 3 RAMAKRISHNAPURAM KARUR,KARUR 639001 Tel : 4324 230134 Fax : 230305 IFS Code : SBIN0007771 SWIFT :

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Criteria	Criteria-VI – Governance, Leadership and Management
<b>Key Indicator</b>	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.

**SUMMARY SHEET** 

#### **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 non-teaching faculty	
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	View Document



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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	F. X.
Report Ref. No: MKCE/CE	E/2022-23/ <b>CTL-01</b>	DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaith Email: Chairmanmkce@gmail.com Mobile: 9842498377	nottakurichi, Karur – 639113
Client Ref. /Date	Letter Dated: 03.12.2022	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type: Design Mix Required for M10 Grade	e a la l
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 <sup>3</sup>	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/m³)	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

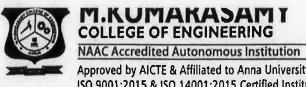
Approved by Principal

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

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

Fax: 04324-272

mkce.ac.in



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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

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

#### **Test Data for Materials:**

ot 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 <sup>3</sup> (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m <sup>3</sup>	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/m³)	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.

M.K.G.E. TINGE OF CONTROL OF CONT

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457





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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

500	TEST REPORT		
Report Ref. No: MKCE/CE	E/2022-23/ <b>CTL-03</b>	DATE: 02.01.2023	
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaitl Email: Chairmanmkce@gmail.com Mobile: 9842498377	hottakurichi, Karur – 639113	
Client Ref. /Date	Letter Dated: 03.12.2022		
Report Handover to	Ramakrishna Poultry Farm		
Sample Details	Type: Design Mix Required for M20 Grad	le de la companya de	
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/m <sup>3</sup>	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/m³)	383	753	1065	197
By Volume	.1	1.97	2.78	0.50

NOTE:

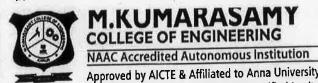
This report is given to the client based on the samples provided by them.

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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.





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### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

V 1	TI	EST REPORT			
Report Ref. No: MKCE/CE	/2022-23/ <b>CTL-04</b>		DATE: 02.01.2023		
Client Details	Ramakrishna Poultry	avapalayam, Punjaithottakurich :e@gmail.com	ni, Karur – 639113		
Client Ref. /Date	Letter Dated: 03.12.2	Letter Dated: 03.12.2022			
Report Handover to		Ramakrishna Poultry Farm			
Sample Details	Type: Design Mix Re	quired for M25 Grade			
Purpose of the work	For Construction Site.				
Type of Test	Concrete - Mix Desi	ign			
Test Data for Materials:					
	1405	Specific Gravity of	3 15 (Test IS: 2720)		

Test	Data	tor	materials:	
			-i-u-stine	

Grade Designation	ade Designation M25		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 <sup>3</sup> (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m <sup>3</sup>	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/m³)	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.



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/C	E/2022-23/ <b>CTL-05</b>	DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjait Email: Chairmanmkce@gmail.com Mobile: 9842498377	thottakurichi, Karur – 639113
Client Ref. /Date	Letter Dated: 03.12.2022	PARTIES TO THE PARTIES
Report Handover to	Ramakrishna Poultry Farm	The state of the s
Sample Details	Type: Design Mix Required for M30 Grad	de
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 S in IS 456:2000) Water Absorption of Fine		0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m <sup>3</sup>	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/m³)	374	734	1185	3.74	146
By Volume	1	1.96	3.17	1 %	0.39

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

Verified by - HoD/Civil

Tested by Mr. G. Balaji, AP/Civil

Approved by - Principal

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering.

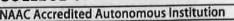
Email: balajig.civil@mkce.ac.in |Mobile: +91 8870881397.

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

Fax: 04324-272457



#### M.KUMARASAMY COLLEGE OF ENGINEERING



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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	The state of the s
Report Ref. No: MKCE/CE	/2022-23/H <b>EL-01</b>	DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottaku Email: Chairmanmkce@gmail.com Mobile: 9842498377	richi, Karur – 639113
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 Grastrength, Abrasion Value.	avity, Impact Value, Crushing

#### **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	
2	Specific Gravity	2.48	2.62	2.5 - 3.0	The river complete outtoble
3	Impact Value	18.74 %	16.36 %	20 %	The given sample is suitable for construction works.
4	Crushing Value	22.86 %	19.58 %	30 %	
5	Abrasion Value	14.26%	12.9 %	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.

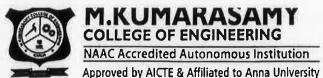
Tested by – Mr. G.Balaji, AP/Civil

Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> [Mobile: +91 8870881397.





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

V - 44 64 12 1	TEST REPORT	
Report Ref. No: MKCE/CE/	2022-23/ <b>HEL-02</b>	DATE: 02.01.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithottal Email: Chairmanmkce@gmail.com Mobile: 9842498377	kurichi, Karur – 639113
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 G strength, Abrasion Value.	Gravity, Impact Value, Crushing

#### **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	to the second party of
2	Specific Gravity	2.52	2.56	2.5 - 3.0	Gertleman .
3	Impact Value	18.52 %	18.16 %	20 %	The given sample is suitable for construction works.
4	Crushing Value	21.42 %	21.84 %	30 %	Tor construction works.
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.

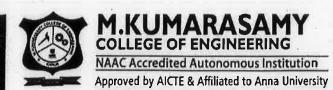
Tested by - Mr. G.Balaji, AP/Civil

Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

 Seal NA C.E.





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/C	E/2022-23/ <b>SL-01</b>	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	

#### l'est Results:

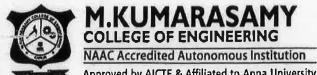
Sl. No	Max. Normal Stress (Kg/Cm <sup>2</sup> )	Max. Shear Stress (Kg/Cm <sup>2</sup> )
1	0.50	0.38
2	1.00	0.69
3	1.50	1.19
	Results from	Graph
1	1 Angle of Internal Friction F <sup>o</sup>	
2	Cohesion C Kg/Cm <sup>2</sup>	

#### Result:

The Safe Bearing Capacity (SBC) of Soil is 247 kN/m<sup>2</sup>

\*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.	The Asset Land
D offer	2.15/2/11/29	AS -d
Tested by – Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please cont Consultancy In-Charge, Department of Civ Email: balajig.civil@mkce.ac.in  Mobile: +	M.K.C.E.	





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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

NEW Y	TEST REPORT	44
Report Ref. No: MKCE/C	E/2022-23/ <b>SL-02</b>	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/Cm²)	Max. Shear Stress (Kg/Cm <sup>2</sup> )
1	0.50	0.36
2	1.00	0.66
3	1.50	1.15
	Results from	Graph
1	Angle of Internal Friction F <sup>o</sup> 3	
2	Cohesion C Kg/Cm <sup>2</sup>	

#### Result:

The Safe Bearing Capacity (SBC) of Soil is 245 kN/m<sup>2</sup>

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

#### NOTE:

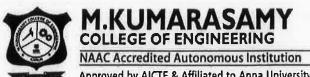
This report is given to the client based on the samples provided by them.

Tested by – Mr. S. Ramkumar,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.





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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	E/2022-23/ <b>SL-03</b>	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.	4
Type of Test	Direct Shear Test	

#### **Test Results:**

Sl. No	Max. Normal Stress (Kg/Cm²)	Max. Shear Stress (Kg/Cm <sup>2</sup> )
1	0.50	0.39
2	1.00	0.69
3	1.50	1.19
	Results from	Graph
1	Angle of Internal Friction F <sup>0</sup> 3	
2	Cohesion C Kg/Cm <sup>2</sup>	

#### Result:

The Safe Bearing Capacity (SBC) of Soil is 247 kN/m<sup>2</sup>

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

#### NUTE:

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

Tested by – Mr. S. Ramkumar, AP/Civil

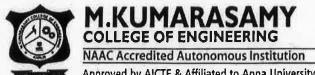
Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

M.K.C.E. KARUR.



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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	E/2022-23/ <b>SL-04</b>	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/Cm²)	Max. Shear Stress (Kg/Cm <sup>2</sup> )	
1	0.50	0.38	
2	1.00	0.67	
3	1.50	1.24	
	Results from	Graph	
9 1	Angle of Internal Friction F	70 3	8.00
2	2 Cohesion C Kg/Cm <sup>2</sup>		0

#### Result:

The Safe Bearing Capacity (SBC) of Soil is 251 kN/m<sup>2</sup>

\*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

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

M.K.G.E. KARUR.



#### 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

 $E\text{-}mail: chairmanmkce@gmail.com\ ,\ Mobile: 9842498377$ 

**Aim of the Work:** To find the shortest radial distance from RAMAKRISHNA POULTRY FARMto 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 FARMand 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 ba	sed on the samples provided by them.	* ()d=
Tested by - Mr. P. Mukesh, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please Consultancy In-Charge, Department Email: <u>balajig.civil@mkce.ac.in</u>  Mob	Sealings of CIV	





#### **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, Thalavapala Karur – 639113. Email: chairmann Mobile No: 9842498377.		
Client Ref. /Date:	28.12.2022	Letter Dated:	02.12.20	122
Sample Collected date	28.12.2022	Sample received date	28.12.2022	
Report Handover to	<b>9</b>	Ramakrishana Poultry Farm 79, Main Road, Thalavapala Karur – 639113. Email: chairmann 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
41	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

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397

Approved by - Principal

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## 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

Rer To.

: 801/22-23

Account

COLLEGE A/C

Payee Name

RAMAKRISHNA POULTRY PRIVATE LIMITED

Payment Type

Regular

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

29/03/2023

9:41:52 AM

Cashier - GAUTH





#### MKCE CONSULTANCY SERVICES **DEPARTMENT OF CIVIL ENGINEERING**

Date: 02/12/2022

#### **CLIENT DETAILS**

Name of the Client	Ramaknishna poultry Parm,	
Address of the Client	79, Main road, -thalavapalayam, lognir.	
Mobile No.	9842498377	
Email ID	Quairman nkee@ 8mail.com.	
	SAMPLE DETAILS	
Type of Sample given	Concrete mix, Soil, Mater, Aggregate test (complete), Land	
No. of. Sample given	mea wrempat	
Name of the Test Requested	Mix dasign, matertest, SBC, Aggregate test Complete) Distance Survey	
Purpose of Testing	For life work.	
Test Report Hand over to	Ramakrishua pouly tarm,	
DECLARATION OF THE CLIENT		
To The Principal, M.Kumarasamy College of Engineer Thalavaplayam, Karur - 639 113.	ring,	
sample given is to my knowledge v	declare that the above given information and with assurance of good sampling techniques without any concealed e results are not to be changed given by you.  Signature:	
Consultancy Charges	Rs 61,000 -	

## Consolidation

- i) CT 1ab 15000 |-
- 2) H/w lab- 100001-
- 8) Surrey lab 10000/-
- 4) Soil lab 20000 |-
- 5) EE 1000 60001-61,000



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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/CI	E/2022-23/ <b>CTL-06</b>	DATE: 16.03.2023	
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaith Email: Chairmanmkce@gmail.com Mobile: 9842498377	nottakurichi, Karur – 639113	
Client Ref. /Date	Letter Dated: 15.02.2023		
Report Handover to	Ramakrishna Poultry Farm		
Sample Details	Type: Design Mix Required for M10 Grad	le l	
Purpose of the work	For Construction Site.		
Type of Test	Concrete - Mix Design		

#### **Test Data for Materials:**

Grade Designation	ade Designation M10 Specific G		3.15 (Test IS: 2720)
TVNG AT LAMONT I ' - I		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 <sup>3</sup>	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/m³)	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. Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155

Fax: 04324-272457 Seal



## COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

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

#### Test Data for Materials

L Data Ioi Materiais.				
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		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 <sup>3</sup> (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)	
Maximum Cement Content	450 kg/m <sup>3</sup>	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/m³)	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

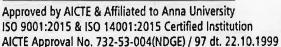
Approved by - Principal

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



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### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/CE	-/2022-23/ <b>CTL-08</b>	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaith Email: Chairmanmkce@gmail.com Mobile: 9842498377	nottakurichi, Karur – 639113
Client Ref. /Date	Letter Dated: 15.02.2023	
Report Handover to	Ramakrishna Poultry Farm	to the second se
Sample Details	Type: Design Mix Required for M20 Grad	e
Purpose of the work	For Construction Site.	And a law or
Type of Test	Concrete – Mix Design	manufactured to the second

### **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/m <sup>3</sup>	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/m³)	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.

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# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/CE	:/2022-23/ <b>CTL-09</b>	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaith Email: Chairmanmkce@gmail.com Mobile: 9842498377	nottakurichi, Karur – 639113
Client Ref. /Date	Letter Dated: 15.02.2023	-66.61
Report Handover to	Ramakrishna Poultry Farm	Andrew Committee of the
Sample Details	Type: Design Mix Required for M25 Grade	e la
Purpose of the work	For Construction Site.	
Type of Test	Concrete - Mix Design	

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/m <sup>3</sup>	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/m³)	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

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	E/2022-23/ <b>CTL-10</b>	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaitho Email: Chairmanmkce@gmail.com Mobile: 9842498377	ottakurichi, Karur – 639113
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:	To V	1 1 30
	Specific Gravi	ty of

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/m <sup>3</sup>	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/m³)	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-

ax: 04324-272457 Seal



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### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

. 75	TEST REPORT	
Report Ref. No: MKCE/CE	E/2022-23/ <b>CTL-11</b>	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithotta Email: Chairmanmkce@gmail.com Mobile: 9842498377	akurichi, Karur – 639113
Client Ref. /Date	Letter Dated: 15.02.2023	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type of Sample:CementGrade of Cement: B	harathi Ultra-Fast
Purpose of the work	For Construction Site.	
Type of Test	TEST ON CEMENT – Fineness, Consistency, Strength.	Setting Time and Compressive

### **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/mm²)	Avg. Compressive strength (N/mm²)	Remarks
1	Sample A <sub>1</sub>	70.6x70.6x70.6	162	32.50		Refer the
2	Sample A <sub>2</sub>	70.6x70.6x70.6	178	35.71	34.03	below
3	Sample A <sub>3</sub>	70.6x70.6x70.6	169	33.90		Table

### Reference:

CEMENT	10.0.1	COMPR	ESSIVE STRE	NGTH (Mpa)
TYPE	IS Codes	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

vil

Verified by - HoD/Civil

Δr

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.
Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> [Mobile: +91 8870881397.

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-2724



# 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		
7/2022-23/ <b>CTL-12</b>	DATE: 16.03.2023	
Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithotta Email: Chairmanmkce@gmail.com Mobile: 9842498377	kurichi, Karur – 639113	
Letter Dated: 15.02.2023		
Ramakrishna Poultry Farm		
	ACO Supre grade	
For Construction Site.	e and the same of	
TEST ON CEMENT - Fineness, Consistency, Se Strength.	etting Time and Compressive	
	79, Main Road, Thalavapalayam, Punjaithotta Email: Chairmanmkce@gmail.com Mobile: 9842498377  Letter Dated: 15.02.2023  Ramakrishna Poultry Farm  Type of Sample:CementGrade of Cement: RAM For Construction Site.  TEST ON CEMENT – Fineness, Consistency, Se	

### 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 28 minutes (30 minutes for OPC).

4. Final Setting Time of Cement

Based on the trails the final setting time of the given sample is 560 minutes (600 minutes for OPC).

5. Compressive strength of cement

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load(kN)	Compression Strength (N/mm²)	Avg. Compressive strength (N/mm²)	Remarks
1	Sample A <sub>1</sub>	70.6x70.6x70.6	182	36.51		Refer the
2	Sample A <sub>2</sub>	70.6x70.6x70.6	175	35.10	35.77	below
3	Sample A <sub>3</sub>	70.6x70.6x70.6	178	35.70		Table

### Reference:

CEMENT	IS Codes	COMPRESSIVE STRENGTH (Mpa)			
TYPE	18 Codes	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	

<u>NOTE:</u>

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.



### 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/CI	E/2022-23/ <b>CTL-13</b>	DATE: 16.03.2023	
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithot Email: Chairmanmkce@gmail.com Mobile: 9842498377	ttakurichi, Karur – 639113	
Client Ref. /Date	Letter Dated: 15.02.2023		
Report Handover to	Ramakrishna Poultry Farm		
Sample Details	Type of Sample:CementGrade of Cement: P	riya Cement	
Purpose of the work	For Construction Site.		
Type of Test	TEST ON CEMENT - Fineness, Consistency, Strength.	Setting Time and Compressive	

### **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 is565minutes (600 minutes for OPC).

5. Compressive strength of cement

S.No.	Mortar Cube Sample	Size (mm)	Ultimate Compression Load(kN)	Compression Strength (N/mm²)	Avg. Compressive strength (N/mm²)	Remarks
1	Sample A <sub>1</sub>	70.6x70.6x70.6	167	33.50		Refer the
2	Sample A <sub>2</sub>	70.6x70.6x70.6	170	34.11	33.77	below
3	Sample A <sub>3</sub>	70.6x70.6x70.6	168	33.71		Table

Reference:

CEMENT	10.0-4	COM	IPRESSIVE ( (Mpa)	
TYPE	IS Codes	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

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

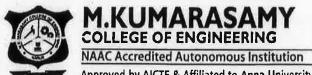
Verified by - HoD/Civil

Tested by - Mr. G. Balaji, AP/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/CI	E/2022-23/CTL-14		DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Email: Chairmanmkce@gmail.co Mobile: 9842498377	Punjaithottakurichi, K m	arur – 639113
Cliont Ref. /Date	Letter Dated: 15.02.2023		
Report Handover to	Ramakrishna Poultry Farm		The second
Sample Details	Type of Sample:Cement	Grade of Cement: D	almia
Purpose of the work	For Construction Site.		
Type of Test	TEST ON CEMENT – Fineness, Co Strength.	nsistency, Setting Tim	e and Compressive

### **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/mm²)	Avg. Compressive strength (N/mm <sup>2</sup> )	Remarks
1	Sample A <sub>1</sub>	70.6x70.6x70.6	178	35.71		Refer the
2	Sample A <sub>2</sub>	70.6x70.6x70.6	184	36.92	36.78	below
3	Sample A <sub>3</sub>	70.6x70.6x70.6	188	37.72		Table

### Reference:

CEMENT	IS Codes	COMPRESSIVE STREM (Mpa)		
TYPE	13 Codes	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

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

Tested by - Mr. G. Balaji, AP/Civil

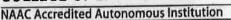
Verified by

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



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



MKCF CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/CE	E/2022-23/ <b>CTL-15</b>	DATE: 16.03.2023
Client Details	Ramakrishna Poultry Farm,	Punjaithottakurichi, Karur – 639113 n
Client Ref. /Date	Letter Dated: 15.02.2023	
Report Handover to	Ramakrishna Poultry Farm	
Sample Details	Type of Sample:Cement Gra	ade of Cement: Ambuja
Purpose of the work	For Construction Site.	
Type of Test	TEST ON CEMENT – Fineness, Cor Strength.	nsistency, Setting Time and Compressive

### **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/mm²)	Avg. Compressive strength (N/mm²)	Remarks
1	Sample A <sub>1</sub>	70.6x70.6x70.6	150	30.09		Refer the
2	Sample A <sub>2</sub>	70.6x70.6x70.6	148	29.69	29.56	below Table
3	Sample A <sub>3</sub>	70.6x70.6x70.6	144.	28.89	nk x dates	Table

### Reference:

CEMENT		COM	PRESSIVE : (Mpa	STRENGTH )
TYPE	IS Codes	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.

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Warified by - HOD/C

Dr. 74/3/28

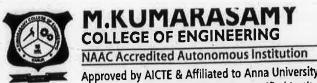
Tested by - Mr. G. Balaji, AP/Civil

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		2.012.2	
Report Ref. No: MKCE/CE	/2022-23/ <b>HEL-04</b>		DATE: 16.03.2023	
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Email: Chairmanmkce@gmail.co Mobile: 9842498377		Karur – 639113	
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 Modul strength, Abrasion Value.	us), Specific Gravity,	Impact Value, Crushing	

### **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	
2	Specific Gravity	2.52	2.56	2.5 - 3.0	The given sample is suitable for construction works.
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.

Total his Mr. 6 Palaii

Tested by - Mr. G.Balaji, AP/Civil ~. M 16/3/23

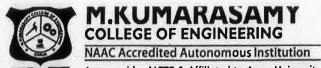
Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

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

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457





### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/CE	/2022-23/ <b>HEL-03</b>	DATE: 16.03.2023		
Client Details	Ramakrishna Poultry Farm, 79, Main Road, Thalavapalayam, Punjaithott Email: Chairmanmkce@gmail.com Mobile: 9842498377	akurichi, Karur – 639113		
Client Ref. /Date	Letter Dated: 15.02.2023			
Report Handover to	Ramakrishna Poultry Farm			
Sample Details	Coarse Aggregate (20 mm)			
Source	Thirumalai Bluemettals, 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. ivo.	Test	Trial 1	Trial 2	Limiting Value	Remarks
1	Fineness	5.83	5.70	5.5 - 8.0	
2	Specific Gravity	2.50	2.71	2.5 - 3.0	
3	Impact Value	18.75 %	16.26%	20 %	The given sample is suitable for construction works.
4	Crushing Value	22.76 %	19.40 %	30 %	Tor construction works.
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, Verified by - HoD/Civil Approved by - Principal AP/Civil 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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### 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 FARMto Cauvery River by taking observation at different locations along the Cauvery river Global Positioning System – GARMIN instrument.

**Date of Survey** : 16.03.2023

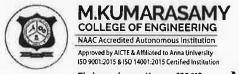
**Survey Location**: GPS Survey was conducted between at site belonging to RAMAKRISHNA POULTRY FARM and locations along the Cauvery River.

The distance survey details given in the following table:

### **Dying Division:**

S.No.	Location	Lattitude	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 ba	sed on the samples provided by them	
Moderat	V.PX	Al de
Tested by - Mr. P. Mukesh, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please Consultancy In-Charge, Department of Email: balajig.civil@mkce.ac.in  Mob	of Civil Engineering.	M.K.C.E. Seal



Thalavapalayam, Karur - 639 113.

### MKCE CONSULTANCY SERVICES

		TEST REPORT		
Report Ref. No: MKCE/	CE/2022-23/EL 02		DATE:	16.03.2023
Client Details		Ramakrishana Poultry Farm, 79, Main Road, Thalavapala Karur – 639113. Email: <u>chairmanm</u> Mobile No: 9842498377.		
Client Ref. /Date:	10.03.2023	Letter Dated:	15.02.20	23
Sample Collected date	10.03.2023	Sample received date	10.03.20	23
Report Handover to		Ramakrishana Poultry Farm 79, Main Road, Thalavapalayam, Punjaithottakurich Karur – 639113. Email: <a href="mailto:chairmanmkce@gmail.com">chairmanmkce@gmail.com</a> Mobile No: 9842498377		
Purpose of the Work		Water testing for construction		
Qty. of sample	1 litre	Test commenced on:	14.03.20	23
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

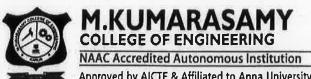
Verified By - HoD/ Civil

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

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

Approved by - Principal





# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
керогt Ref. No: MKCE/C	E/2022-23/ <b>SL-05</b>	DATE: 24.03.2023	
Client Details	Ramakrishna Poultry Farm, 79, Main road, Thalavapalayam, Punjaithottakuric E-mail: chairmanmkce@gmail.com, Mobile: 9842		
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:

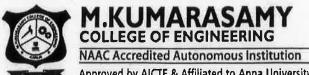
Sl. No	Max. Normal Stress (Kg/Cm²)	Max. Shear Stress (Kg/Cm <sup>2</sup> )
1	0.50	0.38
2	1.00	0.69
3	1.50	1.19
	Results from	Graph
1	Angle of Internal Friction 1	F° 36.00
2	Cohesion C Kg/Cm <sup>2</sup>	0

### Result:

The Safe Bearing Capacity (SBC) of Soil is 247 kN/m<sup>2</sup>

\*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.	
@ 24/3/23	a hopelalas	Br. 124/3/28
Tested by – Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please cont Consultancy In-Charge, Department of Civ Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a>  Mobile: +	il Engineering.	M.K.C.E.





### MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT				
Report Ref. No: MKCE/C	E/2022-23/ <b>SL-06</b>	DATE: 24.03.2023			
Client Details	Ramakrishna Poultry Farm, 79, Main road, Thalavapalayam, Punjaithottakurichi E-mail: chairmanmkce@gmail.com, Mobile: 98424				
Client Ref. /Date	Letter Dated: 15.02,2023				
Report Handover to	Ramakrishna Poultry Farm	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 <sup>2</sup> )	Max. Shear Stress (Kg/Cm <sup>2</sup> )		
1	0.50	0.36		
2 1.00		0.66		
3	1.50	1.15		
	Results from	Graph		
10 1	Angle of Internal Friction I	34.00		
2 Cohesion C Kg/Cm <sup>2</sup>				

### Result:

The Safe Bearing Capacity (SBC) of Soil is 245 kN/m<sup>2</sup>

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

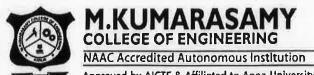
N	O	T	E	:

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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397. M.K.C.E. KARUR.





### MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/CI	eport Ref. No: MKCE/CE/2022-23/SL-07 DATE:			
Client Details	Ramakrishna Poultry Farm, 79, Main road, Thalavapalayam, Punjaithottakurichi, E-mail: chairmanmkce@gmail.com, Mobile: 984249	-		
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 Kesults:

SI. No	Max. Normal Stress (Kg/Cm²)  Max. Shear Stress (Kg/Cm²)		
1	0.50	0.39	
2	1.00	0.69	
3	1.50	1.19	
	Results from	Graph	
1 Angle of Internal Friction F <sup>o</sup>		36.00	
2	0		

### Result:

The Safe Bearing Capacity (SBC) of Soil is 247 kN/m<sup>2</sup>

\*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.

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

7 7/18/23 July Brunday!

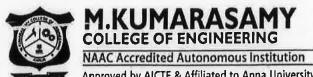
Tested by – Mr. S. Ramkumar,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact
Consultancy In-Charge, Department of Civil Engineering.

M.K.C.E. F. KARUR.





### MKCE CONSULTANCY SERVICES – DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT				
Report Ref. No: MKCE/Cl	Leport Ref. No: MKCE/CE/2022-23/SL-08				
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.	N -90			
Type of Test	Direct Shear Test				

### **Test Results:**

Sl. No	Max. Normal Stress (Kg/Cm²)	Max. Shear Stress (Kg/Cm <sup>2</sup> )		
1	0.50	0.38		
2	1.00 0.67			
3	1.50	1.24		
	Results from	Graph		
1	Angle of Internal Friction I	38.00		
2	2 Cohesion C Kg/Cm <sup>2</sup>			

### Result:

The Safe Bearing Capacity (SBC) of Soil is 251 kN/m<sup>2</sup>

\*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

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> |Mobile: +91 8870881397. M.K.C.E. KARUR. Seal



# 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.)
i	CUNSULTANCY FEES	78500.00
	DD No. : 000489	
	Total Amount	78500.00

29/03/2023

9:49:36 AM

Cashier - GAUTHA



KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 15 02/23

### **CLIENT DETAILS**

Name of the Client	Ramakrishna Doully Parm,				
Address of the Client	Ramakrishna poulty Parm, 19, Main mad, thalavaralayam, learns. 639.113				
Mobile No.	9842498377				
Email ID	chairman micia smail. um				
	SAMPLE DETAILS				
Type of Sample given	Coment, Soil, mater, land survey, concrete Mix				
No. of. Sample given					
Name of the Test Requested	Cement Test (complete), SBC, survey (land measurement), mix design, tratectest.				
Purpose of Testing	for sixe work				
Test Report Hand over to	Ramakiishna poulty farm,				
DECLARATION OF THE CLIENT					
To The Principal, M.Kumarasamy College of Engineeri Thalavaplayam, Karur - 639 113.	ng,				
sample given is to my knowledge w material therein. I also undertake the	declare that the above given information and ith assurance of good sampling techniques without any concealed results are not to be changed given by you.  Signature				
Consultancy Charges	Rs. 78,500/				
Consultancy In-Charge	HoD/Civil ~ Market				

# Consdidation

- D CT lab 22500 |-
- 2) H/w lab 15000/-
- 3) Survey lab 15000/
- 4) Soil lab 2000/\_
- 5) EE 1 ab 6000/-

78,500/- 900/19014

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# M.KUMARASAMY



Approved by AICTE & Affiliated to Anna University ISO 9001 2015 & ISD 14001:2015 Certified rentation AICTE Approvativo, 737-53-004(NDIGE) 7-97-dc, 22 10 (1995)



# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	100000000000000000000000000000000000000
Report Ref. No: MKCE/C	E/2022-23/ <b>151</b>	DATE: 06.06.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	277121 00.00.2020
Client Ref. /Date	Letter Dated: 02.06.2023	
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	Quantity Received: 2
Purpose of the work	Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	- CURF 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 <sub>1</sub>	150x150x150	8.565	525	23.33	77.78	
2	Sample E <sub>2</sub>	150x150x150	8.440	560	24.89	82.96	24.11

### 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 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







MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	E/2022-23/ <b>150</b>	DATE: 06.06.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	37.1.2.00.00.2020
Client Ref. /Date	Letter Dated: 03.06.2023	
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 : 14 days as mentioned	Quantity Received: 2
Purpose of the work	Tie Beam	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	- CURF 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 F <sub>1</sub>	150x150x150	8.580	684	30.40	>100	
2	Sample F <sub>2</sub>	150x150x150	8.445	625	27.78	92.59	29.09

### 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:

rhis 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 Brincipal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> [Mobile: +91 8870881397.



## M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)





### 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

# MKCF CONSULTANCY SERVICES

## DEPARTMENT OF CIVIL ENGINEERING

Date: 02/06/2023

CLIENT DETAILS

Near Salem Bye-pass mad, learner-b

New Building

8940913451

SAMPLE DETAILS

Name of the Client

Address of the Client

Mobile No.

Email ID

Type of Sample given	Concrete cube
No. of. Sample given	2 +2 (3/6/23)
Name of the Test Requested	CT
Purpose of Testing	tor Coulumn & rie Beam woule
Test Report Hand over to	Mr. A. Jearthi
DECLARATION OF THE CLIENT	
The Principal, M.Kumarasamy College of Engineeri Thalavaplayam, Karur - 639 113.  I We k karthi to my knowledge with assurance of gundertake the results are not to be college.	declare that the above given information and sample given is
Consultancy Charges	Rs. 600/-
Consultancy In-Charge	HoD/Civil 7.1/6/6/23





### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

PROPOSED R	ESIDENTIAL LAYOUT- THIRD PARTY INSPECTI	ON 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<sup>nd</sup> 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.

S. S/M=16/23	1 / 3/4/25	Barrel 16/23
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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a>   Mobile: +91 8870881397.		Seal

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



### **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. 221/1A1Pugalur (TK), Karur on 02<sup>nd</sup> 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.

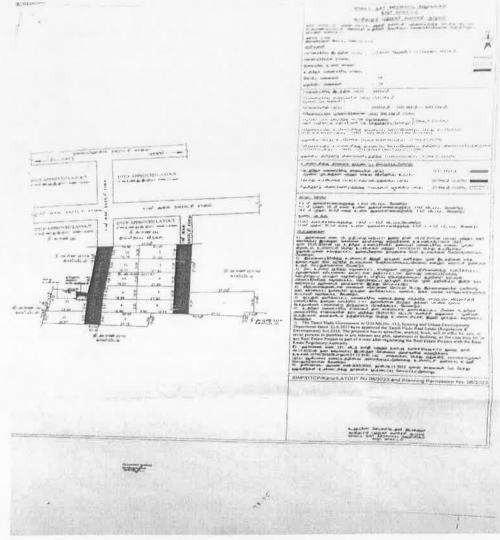


Fig. 1 Approved residential layout





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

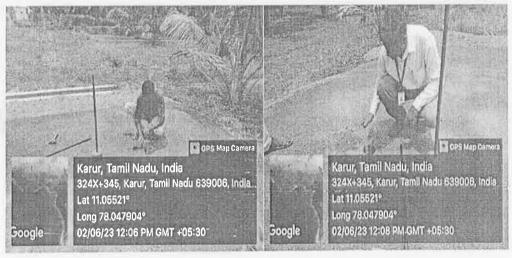


Fig. 2 Road width and cross section measurement

### 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.

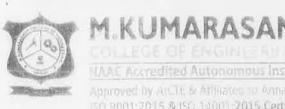






Fig. 3 Storm water drain measurement.

### 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



# M.KUMARASAMY

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### 4. Water supply

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

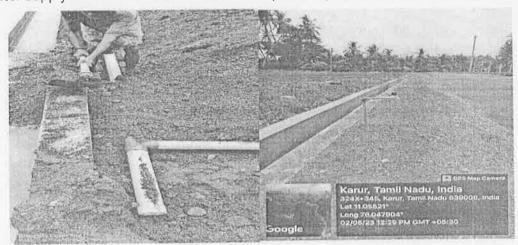


Fig. 5 Water line layout

### 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.

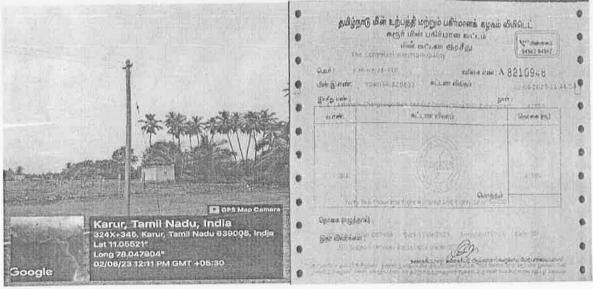


Fig. 6 Receipt for TNEB Connection

S. My (6) 23 Prepared by Verified by

KARUR - 639 113.

Approved by



# M.KUMARASAMY COLLEGE OF ENGINEERING

GE OF ENGINEERING
mous)

(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





# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 05-06-2023

### **CLIENT DETAILS**

Mr. K. Kaniro
Pugadur Municipality Kerrur Dt
95979 14011

### 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. Maragestrenvalli

	3		
DECLARATION OF THE CLIENT			
То			
The Principal,			
M.Kumarasamy College of Enginee	ering,		
Thalavaplayam, Karur - 639 113.			
1/We Mrs. C Marage	Mayalli declare th	at the above given informa	ation and sample given
is to my knowledge with assurance	e of good sampling tecl	nniques without any conce	aled material therein. I
also undertake the results are not	to be changed given by	you.	OF
		Sig	mature: A
			V
Consultancy Charges	7.00		
Gonsartancy Ghanges	1000/-		
Consultancy In-Charge	A.V	II D (C: 1)	15/1
Consultancy in-Charge	1 1 1 1	HoD/Civil	201



# M.KUMARASAMY

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

11000	sed Residential Layout Third Party Inspection	
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.

2 Milion	J. 15 (11/2)	AS Cheles
Report prepared by  Mr. R.Dineshkumar,  Assistant Professor(Sr.G)/Civil	Verified by HoD/Civil	Approved by Principal
If you require any clarification, please cor	ntact	(Autonomous)
Consultancy In-Charge, Department of Cir Email: <u>balajig.civil@mkce.ac.in</u>  Mobile: +	vil Engineering. 91 8870881397.	Seal



KR

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**

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 reads, storm water drains, culverts, street lights, etc while segregation of land into residential plots in SF.No: 643/1A 1B, Kannivadi Town Panchayat, Tirupuron 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.

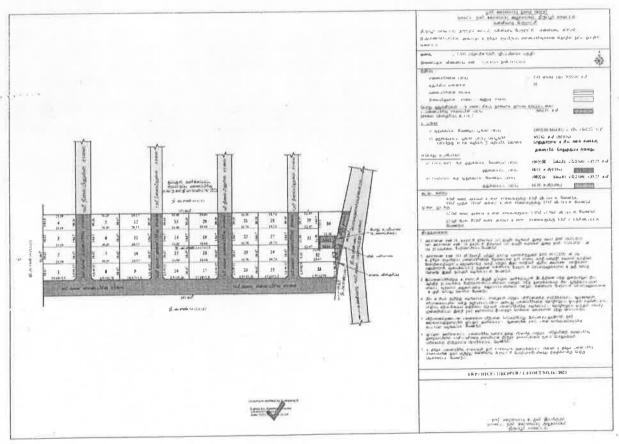


Fig.1 - Approved Residential Layout



Page | 1





The observations found during the inspection were listed below,

### 1. Roads

The plot consists of three type's ofbituminous 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



Page | 2





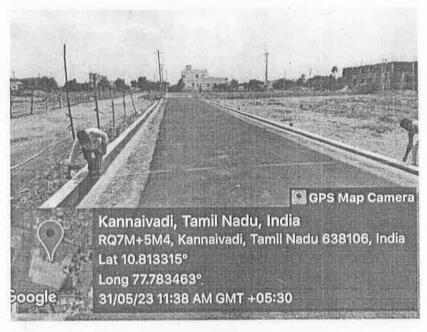


Fig. 3 Road width Measurement

### 2. Strom Water Drains

Strom 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 Strom Water Drains cross section Measurement





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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

### 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

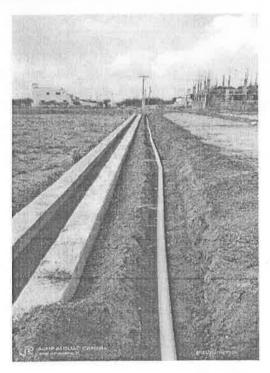
Reserved site allocated for park is 652.62 sqm, public utility is 48.01 sqm and for TANGEDCO is 44.39 sqm as mentioned in the layout.

### 5. Fence

Diamond fencing of size 0.121 sqm along with stone pillars of  $0.2 \times 0.1$  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.



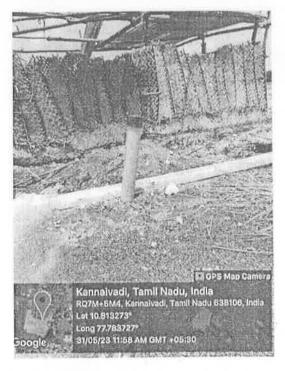


Fig. 4 Water Supply provision



Page | 4





## 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

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

Verified by

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

Approved by

Autonomous

Page | 5

Thalavapalayam, Karur, Tamiinadu.

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 2/6 | 2023

**CLIENT DETAILS** 

SHEWI DETAILS				
Name of the Client	Mr. A. Balacundas			
	Executive Officer,			
Address of the Client	Kannivadi Povon Ranchayat			
Mobile No.	9043639677			
Email ID				

Type of Sample given

Mc.of.Sample given

Name of the Test Requested

Purpose of Testing

Test Report Hand over to

Mr. M. Muhaidaen Abdul Lanke.

#### **DECLARATION OF THE CLIENT**

1	0	

The Principal,

M.Kumarasamy College of Engineering,

Thalavaplayam, Karur - 639 113.

I/We Muhaileen Abdulled 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.

Consultancy Charges

Rs. 7,000/

Seven Thousand only

Consultancy In-Charge

HoD/Civil



### M.KUMARASAMY COLLEGE OF ENGINEERING







#### Receipt

Ref. No.

361

Date

02/06/202

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

நூள்: 17.05.2023

அய்யா,

பொருள் :

மனைப்பிரிவு – பேரூராட்சிகள் நிர்வாகம் – திருப்பூர் மாவட்டம் – கன்னிவாடி பேரூராட்சி – சா்வே எண் 643/1A1B-ல் மனைப்பிரிவு ஏற்படுத்தியுள்ளது – ஆய்வு செய்து அறிக்கை

தர கோருதல் – சார்பாக.

பார்வை:

தொடர்புடைய ஆவணங்கள்.

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

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

> > கண்ணினாடி பேருப்பட்சி சி Beloui ominero

<u>நகல்</u>

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







## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	r CIVIL ENGINEERING
Report Ref. No. MKCE/C	E/2022-23/ <b>147</b>	DATE: 20.07
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DATE: 30.05.2023
Client Ref. /Date	Letter Dated: 29.05.2023	
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 : 14 days as mentioned	Date of Casting : 15.05.2023 Date of Testing : 29.05.2023 Quantity Received : 2
Purpose of the work	Column Work	, 2001K
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	OUDE Trop

#### 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 G <sub>1</sub>	150x150x150	8.465	612	27.20	90.67	(W/IIIII)
2	Sample G <sub>2</sub>	150x150x150	8.445	704		90.07	29.18
	- Lpic 02	100/100/130	0.445	701	31.16	>100	£9.10

### 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. W1 (01116)



Name of the Client



## MKCE CONSULTANCY SERVICES

## DEPARTMENT OF CIVIL ENGINEERING

Date: 29/3/23

CLIENT DETAILS

Near Salem Bye-poss mad, banno.

New Building

Address of the Client						
Mobile No.	294091345					
Email ID	Le civil 333@ Smail. wm					
	SAMPLE DETAILS					
Type of Sample given	Concele whe					
No. of. Sample given	2					
Name of the Test Requested	CT Doc: 15/5/23					
Purpose of Testing	Column House					
est Report Hand over to	k. Certhi					
DECLARATION OF THE CLIENT	•					
To The Principal, M.Kumarasamy College of Engineeri Thalavaplayam, Karur - 639 113.	ng,					
I/We K. Kalk to my knowledge with assurance of g undertake the results are not to be cl	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also nanged given by you.  Signature:					
Consultancy Charges	Rs.300/-					
Consultancy In-Charge	HoD/Civil SY 29/5/Y					

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



Combined with Report No. 14 136

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	E/2022-23/ <b>146</b>	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 7 days as mentioned	Quantity Received : 2
Purpose of the work	Tie Beam	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	E – 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 F <sub>1</sub>	150x150x150	8.435	586	26.04	86.81	
2	Sample F <sub>2</sub>	150x150x150	8.465	601	26.71	89.04	26.38

#### 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

Juny 30/8/2

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.





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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

## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	OF CIVIL ENGINEERING
Report Ref. No: MKCE/CI	E/2022-23/ <b>145</b>	
Client Details	MCS, No. C-29, First Floor, 11 <sup>th</sup> Cross, West Thillai Mobile: 8778033566	DATE: 15.05.2023 Nagar, Trichy-620018.
Client Ref. /Date	Letter Dated: 17.04.2023	A
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 Ch	
Type of Test	Concrete - Mix Design	annei)
Material Source	All the materials have been received from Sar	Ditto
est Data for Motorials	Sar	avana 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)		irming to Specific Gravity of	
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/m <sup>3</sup>	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 (ky/m³)	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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample F <sub>1</sub>	150x150x150	8.410	575	25.56	85.18	
2	Sample F <sub>2</sub>	150x150x150	8.435	591	26.27	87.55	26.19
3	Sample F <sub>3</sub>	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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample G <sub>1</sub>	150x150x150	8.650	798	35.47	>100	
2	Sample G <sub>2</sub>	150x150x150	8.470	842	37.42	>100	36.52
3	Sample G <sub>3</sub>	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.

#### NUTE:

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

D Die 15/27	2.56/29/5/23	Bh 30/8/20
Tested by Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, pleas Consultancy In-Charge, Department Email: balajig.civil@mkce.ac.in  Mob	of Civil Engineering.	Autonomous (1)





#### 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 <sup>th</sup> Cross, West Thill	ai 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/m <sup>3</sup> (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/m³)	337	674	1120	197
By Volume	1	2	3.32	0.57



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The concrete cubes (150 mm x 150 mm) 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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	150x150x150	8.395	348	15.47	>100	(W/IIIII)
2	Sample A <sub>2</sub>	150x150x150	8.465	361	16.04	>100	15.04
3	Sample A <sub>3</sub>	150x150x150	8.420	320	14.22	94.81	15.24

Compressive Strength of Concrete Cubes (28 Days)

Specimen Details:

No. ot. 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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample B <sub>1</sub>	150x150x150	8.350	488	21.69	>100	(iviiii)
2	Sample B <sub>2</sub>	150x150x150	8.370	485	21.56	>100	21.41
3	Sample B <sub>3</sub>	150x150x150	8.320	472	20.98	>100	Z1.41

### 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).
- 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.

1000	7 70 /20/2/23	Bhun 20/0/25		
Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal		
If you require any clarification, pleas	se contact	STAT COLLEGE		
Consultancy In-Charge, Department Email: <u>balajig.civil@mkce.ac.in</u>  Mol	Autonomous)			







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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT	
-/2022-23/ <b>143</b>	DATE: 15.05.2023
MCS, No. C-29, First Floor, 11 <sup>th</sup> Cross, West Thilla	
Letter Dated: 17.04.2023	
Mr. V.Saravanan	
Type: Design Mix Required for M20 Grade	
	Channel)
Concrete - Mix Design	
All the materials have been received from Sa	aravana DMC Karur
	MCS, No. C-29, First Floor, 11 <sup>th</sup> Cross, West Thilla Mobile: 8778033566 Letter Dated: 17.04.2023 Mr. V.Saravanan Type: Design Mix Required for M20 Grade For Construction Site (Site Name: Pugalur 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 <sup>3</sup> (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m <sup>3</sup>	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:

#### rable 1:

Volume of Concrete	Cement	Fine Aggregate	Coarse Aggregate	Water	
By Weight (kg/m³)	383	753	1065	197	
By Volume	1	1.97	2.78	0.50	



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The concrete cubes (150mm  $\times$  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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	150x150x150	8.475	435	19.33	96.66	
2	Sample A <sub>2</sub>	150x150x150	8.560	448	19.91	99.55	19.91
3	Sample A <sub>3</sub>	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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample B <sub>1</sub>	150x150x150	8.450	654	29.07	>100	
2	Sample B <sub>2</sub>	150x150x150	8.470	622	27.64	>100	28.25
3	Sample B <sub>3</sub>	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

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

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





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	7/2022-23/ <b>142</b>	DATE: 15.05.2023		
Client Details	MCS, No. C-29, First Floor, 11 <sup>th</sup> Cross, West Thi 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: Pugalui	r Channel)		
ype 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/m <sup>3</sup> (as per Table 5 in IS 456:2000)	Water Absorption of Fine Aggregate	0.5 % (Test IS: 2386)
Maximum Cement Content	450 kg/m <sup>3</sup>	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/m³)	315	781	1198	3.15	142
By Volume	1	2.47	3.80	1 %	0.45





The concrete cubes (150mm  $\times$  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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample F <sub>1</sub>	150x150x150	8.670	482	21.42	85.68	A STATE OF THE PARTY OF THE PAR
2	Sample F <sub>2</sub>	150x150x150	8.455	497	22.09	88.35	22.09
3	Sample F <sub>3</sub>	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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample G <sub>1</sub>	150x150x150	8.550	712	31.64	>100	Mark Contract Z
2	Sample G <sub>2</sub>	150x150x150	8.570	748	33.24	>100	32.36
3	Sample G <sub>3</sub>	150x150x150	8.620	724	32.18	>100	02.00

#### 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).
- 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.

J. Dorach	works por	Homen 30 18 hr
Tested by - Mr. G. Balaji, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, pleas Consultancy In-Charge, Department	4	
Email: balajig.civil@mkce.ac.in  Mob	Seal	

### M.KUMARASAVY C FOR OF PNOTIFERING



(MELC | EMBLA) THALAVAMALAYAM, KAKE (DT), PINCODE - 639 1 3. TAMIL NADE, Phone No. : 04326 270755, 272155

#### Receipt

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# MKCF CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 04) 05/2023

#### CLIENT DETAILS

Name of the Client	MCS
Address of the Client	No. C-29 PPrst Flour, 1th wors, west thillai Nagar, michy - 620018.
	Site Name : Pugales Olannel
Mobile No.	8778033566
Email ID	

#### SAMPLE DETAILS

	<u> </u>
Type of Sample given	Cement, FA, CA, Admixture
No. of. Sample given	Marcials for 4 Mix design
Name of the Test Requested	Mix Design, of M15, M20, M25, M30
Purpose of Testing	Considere Mix design for fugaler channel.
Test Report Hand over to	V. Saxavanan

#### DECLARATION OF THE CLIENT

То

The Principal,

M.Kumarasamy College of Engineering,

Thalavaplayam, Karur - 639 113.

I/We Y. Saraman 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:

	4		Signature. 1
	(2000 + 3000	4 3000 430	(00)
Consultancy Charges	Rs. 12000]_		
Consultancy In-Charge	2000	HoD/Civil	4. July rally



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/	/2022-23/141	DATE: 29.05.2023		
Client Details	Ponni concrete, New Bye pass Road, Param Mobile: 8825929378	nathi velur, Namakkal (Dt).		
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	Cumulative Percent		Zone – I	Zone – II	Zone – III	Zone – IV
Designation	Retained			Zone n	20110 111	2000 11
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/cm³)	1.68	







Reference CTE 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: balaiig.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	/2022-23/140	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	Cumulative Percent		Zone – I	Zone – II	Zone – III	Zone – IV	
Designation	Retained	Passing	Zone - 1	Zone - n	Zone - m	Zone - IV	
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/cm³)	1.72	(#≡



# M.KUMARASAMY COLLEGE OF ENGINEERING

### NAAC Accredited Autonomous Institution

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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

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

#### AMKODIO ONSUBTENCANSORVICOS 22. DEPERTMENT 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, Parama Mobile : 8825929378	athi velur, Namakkal (Dt).			
Client Ref. /Date	Letter Dated: 24.05.2023	Letter Dated: 24.05.2023			
Report Handover to	Ponni concrete				
Sample Details	Coarse Aggregate (20 mm)				
Source	Pon Vinayaga Crushers, Karur.	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	
2	Specific Gravity	2.52	2.56	2.5 - 3.0	_, , , , , , , , , , , , , , , , , , ,
3	Impact Value	18.52 %	18.16 %	20 %	The given sample is suitable for construction works.
4	Crushing Value	21.42 %	21.84 %	30 %	Tor construction works.
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.

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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
кероrt 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	
2	Specific Gravity	2.48	2.62	2.5 - 3.0	
3	Impact Value	18.74 %	16.36 %	20 %	The given sample is suitable for construction works.
4	Crushing Value	22.86 %	19.58 %	30 %	lor construction works.
5	Abrasion Value	14.26%	12.9 %	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.

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

1 0		
O F JETOS	2,10/29/5/23	Bhurtaloles
Tested by -Mr. S. Ramkumar, AP/Civil	Verified by - HoD/Civil	Approved by - Principal
If you require any clarification, please  Consultancy In-Charge, Department of	(Autonomous)	







NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 1400 MENGE COLONISHILITAINCY SERVICES 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 v	velur, Namakkal	(Dt)
Client Ref. /Date:	24.05.2023	Letter Dated:	24.05.20	)23
Sample Collected date	2405.2023	Sample received date	2405.2023	
Report Handover to		Ponni Concrete, Paramathi v	elur, Namakkal	(Dt)
Purpose of the Work		Water testing for construction	on	
Qty. of sample	1 litre	Test commenced on:	26.05.20	)23
Sample Location	Ponni Concrete	Test completed on:	26.05.20	)23

#### 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	рН@ 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.

S. J [ W 29/5/23

Tested by- Dr.S.Sethuraman AP/Civil

Verified By - HoD/ Civil

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering.

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

Approved by - Principal

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



## M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

THALAVAPALAYAM, KARUTA (DT), PINCODE 1830 1.4. TAMIL NABU. Phone No. 104324 270755 272150:

#### Receipt

Rus. No.

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Date

30/05/202

price No.

176/23-24

Account

: COLLEGE

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Ponni Concrete

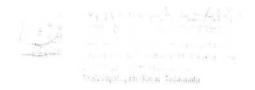
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Cashier - VIRMALI II





### MKCF 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, paramathineour, Namabled CDH
Mobile No.	8825929378
Email ID	

#### SAMPLE DETAILS

Type of Sample given	Coarse Aggregate, fine aggregate, water		
No. of. Sample given	-		
Name of the Test Requested	Pineness Moduling whyshing wayshing specific granly, abrasion #M,BD.  Impact value value	Water Total & snapendy all tests	
Purpose of Testing	Por construction & RMC NOV	<b>k</b> ,	
est Report Hand over to	Ponni Con crete		

#### DECLARATION OF THE CLIENT

To

The Principal,

M.Kumarasamy College of Engineering,

Thalavaplayam, Karur - 639 113.

1/We 61 COPYA 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: 9770
Consultancy Charges	(2300+9 Rs. 8700)-	2300+1600+1600 -	+906)
Consultancy In-Charge	2000 2000	HoD/CiviI	1. 18 3 x x x x x



COLLEGE OF ENGINEERING



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## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT				
Report Ref. No: MKCE/CE	7/2022-23/ <b>136</b>	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Date of Casting : 15.04.2023  Date of Testing : 15.05.2023  Quantity Received : 2  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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample F <sub>1</sub>	150x150x150	8.670	731	32.49	>100	32.00
2	Sample F <sub>2</sub>	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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> [Mobile: +91 8870881397.





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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

## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT				
Report Ref. No: MKCE/CE	/2022-23/ <b>135</b>	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Date of Casting : 23.04.2023 Date of Testing : 23.05.2023 Quantity Received : 2 d 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 F <sub>1</sub>	150x150x150	8.440	736	32.71	>100	32.31
2	Sample F <sub>2</sub>	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/ <b>134</b>	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned	Date of Casting : 09.05.2023  Date of Testing : 23.05.2023  Quantity Received : 2  d by the client				
Purpose of the work	Column Work	9				
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 F <sub>1</sub>	150x150x150	8.475	612	27.20	90.67	02.50
2	Sample F <sub>2</sub>	150x150x150	8.560	638	28.36	94.52	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



### MIKUMARASAMY COLL SGE OF ENGINEERING



THALAVAPOLAYAM ROBLES (DZ), PINCEDE - 839 112. TAMEL NADIL Phone No. 04324 270755, 271255

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Report No: 136 & 148

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# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 15 5 23

CLIENT DETAILS

Name of the Client	New Building					
Address of the Client	Near edem Bye-pais roal, legour-to					
Mobile No.	8940913451					
Email ID	lak diri) 333@ Somil rom					
	SAMPLE DETAILS					
Type of Sample given	Concrete cube					
No. of. Sample given	2 +2 (16/5/23)					
Name of the Test Requested	CT DOL: 15/4/23 DOU. 9/5/23					
Purpose of Testing	Tie Beam work					
Test Report Hand over to	K. Karthi					
DECLARATION OF THE CLIENT						
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.  I/Wek. banki to my knowledge with assurance of go undertake the results are not to be characters.	declare that the above given information and sample given is					
4	Signature					
Consultancy Charges	Rs. 300/- + 300/- 3 Rs. 600/-					
Consultancy In-Charge	HoD/Civil 2.1(28)					

## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 22/5/23

	<u>DEP</u>	ARTMENT OF CO.
		CLIENT DETAILS
		New Building
Na	me of the Client	New Building Near Salem Bye-pass road, banub.
A	ddress of the Client	
1		E940913451
1	Mobile No.	KK civil 333 @ Bmail. Wm
	Email ID	SAMPLE DETAILS
r	do given	Concrete cub e
1	Type of Sample given	2+2
	No. of. Sample given	CT   DOC: 915/23 DOC: 23.14/28
	Name of the Test Requested	CT   DOC: 915/23 0
	Name of the	
Jr. w	Purpose of Testing	for column Holl.
Q	Test Report Hand over to	k, karthi
	DECLARATION OF THE CLIE	<u>NT</u>
	[ -3	
	The Principal, M.Kumarasamy College of Er	ngineering, 113.  Left that the above given information and sample given

Thalavaplayam, Karur - 639 113.

Supergraphy of the Temporals

declare that the above given information and sample given to my knowledge with assurance of good sampling techniques without any concealed material therein. I also the second size that the results are not to be changed size. Signature: A Weh undertake the results are not to be changed given by you.

Rs. 300[-+ 300]- > 600 -HoD/Civil 1.25 (20)5 Consultancy Charges Consultancy In-Charge









#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RE	SIDENTIAL LAYOUT- THIRD PARTY INSPECTI	ON 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 16<sup>th</sup>May 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

Observed by - Mr. P. Mukesh, AP/Civil

Verified by - HoD/Civi

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

UppidamangalamMunicipalityExecutive 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 16<sup>th</sup>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.

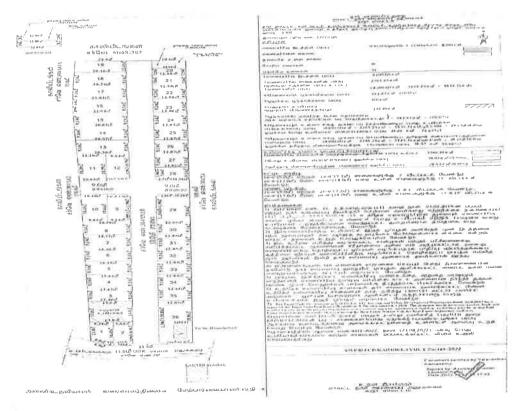


Fig. 1 Approved residential layout





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





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

#### 2. Culverts and Storm water drains

Storm water drains were provided on Type I & II roadhaving 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  $120 \times 90 \text{mm}$  with stone pillars at 2.56 m intervals and the height of the pillar is observed about 1.56 m having size of  $150 \times 110 \text{ mm}$ . Reserved site allocated for public utility is 38.03 sq.m, park 583.47 sq.m and for TANGEDCO is 38.67 sq.m as mentioned in the layout.

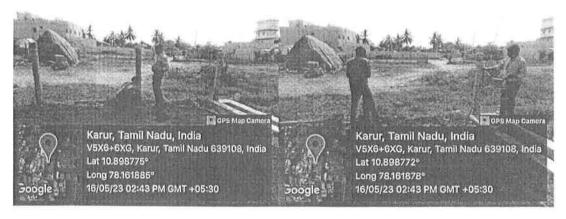


Fig. 4 Fencing measurement



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

#### 4. Water supply

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

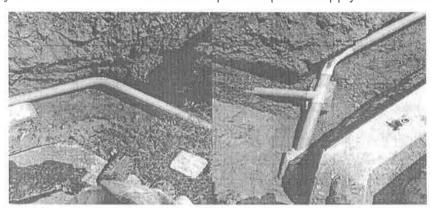


Fig. 5 Water line layout

#### 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.

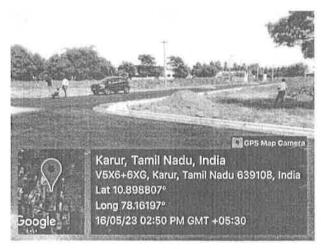




Fig. 6 Receipt for TNEB Connection

Nutanonous

Verified by

Approved by

PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM.

KARUR - 639 113

அகுப் புதல்)

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

முதல்வா் அவா்கள், 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 அலுவலிக்கிற உப்பிடமங்கலம் பேரூராட்சி, கரூர் மாவட்டம்.

நகல்:-

1. கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களுக்கு பணிந்து சமாப்பிக்கப்படுகிறது.

2. திண்டுக்கல் மண்டல பேரூராட்சிகளின் உதவி இயக்குநா் அவா்களுக்கு பணிந்து சமா்ப்பிக்கப்படுகிறது.



## 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/

Payce Name

Third Party Inspection

Payment Type

Regular

S.No	Particulars	Amount(Rs.)
	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

முதல்வா் அவா்கள், குமாரசாமி பொறியியல் கல்லூாி, 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 அலுவலாக ம உப்பிடமங்கலம் பேரூராட்சி, கரூர் மாவட்டம்.

நகல்:-

 கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களுக்கு பணிந்து சமர்ப்பிக்கப்படுகிறது.

2. திண்டுக்கல் மண்டல பேரூராட்சிகளின் உதவி இயக்குநர் அவர்களுக்கு பணிந்து சமா்ப்பிக்கப்படுகிறது.





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 RE	SIDENTIAL LAYOUT- THIRD PARTY INSPE	CTION CERTIFICATE
Report Ref. No: MKCE/	CE/2022-23/ <b>132</b>	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 11th May 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.JM 3.5.23

Observed by -Dr.S.Sethuraman AP/Civil

Department Head of the Department of Civil Engineering
Calabamy College of Engineering
Calabamy College of Engineering
Approved by - Principal (Autonomous) Karur

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering.

Email: balajiq civil@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&7APugalur (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 11<sup>th</sup>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.

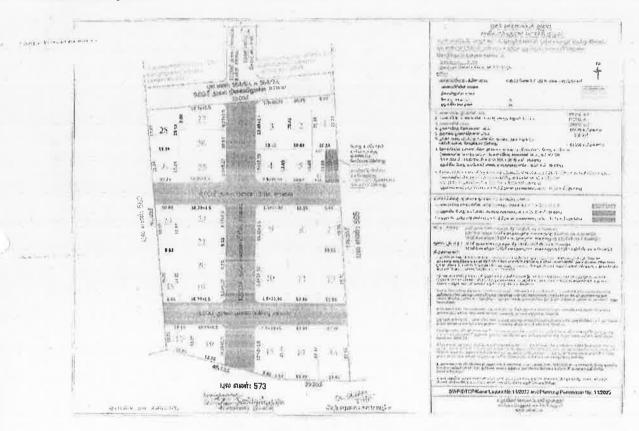
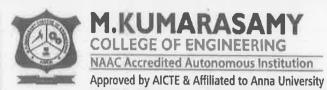


Fig. 1 Approved residential layout





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

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.

Tunal	T II
турет	Type II
11.53 m	8.39 m
7.58 m	5.42 m
20 cm	20 cm
8 cm	8.5 cm
5 cm	5 cm
	7.58 m 20 cm 8 cm



Fig. 2 Road width and cross section measurement

#### 2. Sulverts 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.



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



Karur, Tamil Nadu, India
326C+C5F, Tamil Nadu, 639136, India
Lat 11.056408°
Long 78.019127°
11/05/23 04-18 PM GMT +05:30

A Karur, Tamil Nadu, India
325C+C5F, Tamil Nadu 639136, India
Lat 11.056328°
Long 78.019231°
11/05/23 04-18 PM GMT +05:30

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. 4Park and reserved site





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

#### 4. Water supply

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

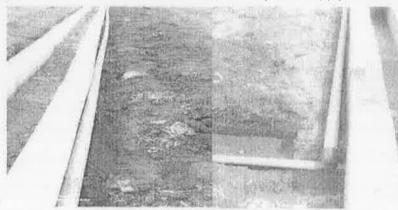


Fig. 5 Water line layout

#### 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

Prepared by

Verified by

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

Approved by

Autonomous

PRINCIPAL,

M. Kumerasamy College of Engineering, THALAVAPALAYAM, CONTENTO

KARUR - 639 113

Thalavapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324 2457

www.mkce.ac.in



#### 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
24	Total Amount	7000.00

16/05/2023

10:34:48 AM

Cashier - NIRMALA K





### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RES	SIDENTIAL LAYOUT- THIRD PARTY INSPECTION O	ERTIFICATE	
Report Ref. No: MKCE/	CE/2022-23/ <b>131</b>	DATE: 12.05.2	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 ro Pugalur (TK), Karur - 638312.	ad	
Plot Details	PunjaiPugalur (South), SF.No. 564/6B, Pugalur, Karur.		

Based on the inspection carried out on 11th May 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.

R-47/3/5/2

Observed by -Mr.R.Vetturayasudharsanan, AP/Civil

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 assumy College of Engineering

Approved by - Principal

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

Sea







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 11<sup>th</sup>May 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.

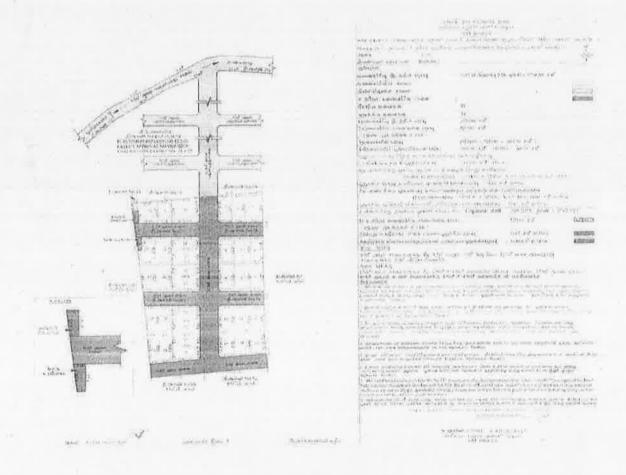


Fig. 1 Approved residential layout



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

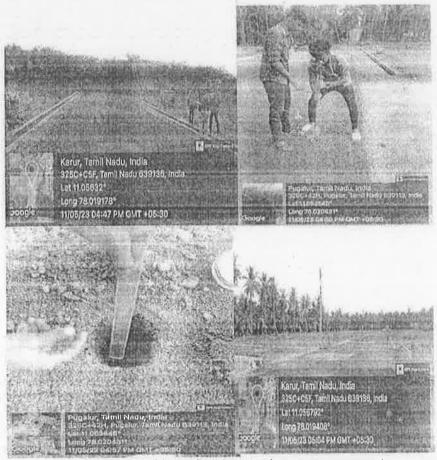
The observations found during the inspection were listed below,

#### 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







#### 2. Culverts and Storm water drains

Storm water drains were provided on bothsideof the roadshaving an average side wall thickness of 0.21 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



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

#### 4. Water supply

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

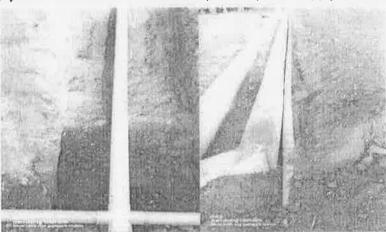


Fig. 5 Water line layout

#### 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.



Autonomous

Fig. 6 Receipt for TNEB Connection

Prepared by

Department of Civil Engineering

Approved by

PRINCIPAL, Kumarasamy College of Engineering,
(Autonomous) Karur - 639113,
THALAVAPALAYAM, COULTERO

MARUR - 639 113

Thalavapalayam, Karur, Tamiinadu, India - 639113. Phone : 04324 - 270755, 272155 Fax 64324272457

www.mkce.ac.in



### 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



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 R	ESIDENTIAL LAYOUT - THIRD PARTY INSPECTION	ON CERTIFICATE	
Report Ref. No: MKCE/		DATE: 12.05.2023	
	Mrs.C.Banu Jayarani,		
Client Details	Executive Officer,		
Olichi Details	Uppidamangalam Municipality,		
	Karur (Dt).		
Client Ref. /Date	Ref.No.111/2023; Letter dated: 08.05.2023		
	Mrs.Jothilakshmi and Three Members,		
Report Handover to	D.No. 1/19, Punnam,		
	Pugalur (TK), Karur - 638312.		
	Uppidamangalam Keelpagam Village,		
Plot Details	SF.No. 1321/B1,B2,		
	Uppidamangalam Municipality,		
	Karur.		

Based on the inspection carried out on 10<sup>th</sup> 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.

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.		Autonomous Seal



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. 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 10<sup>th</sup> 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  $2.59\frac{1}{2}$  acre (10500 sq.m). The proposed plots are 45 and allocated plots is also 13. Fig. 1 shows the approved residential layout.

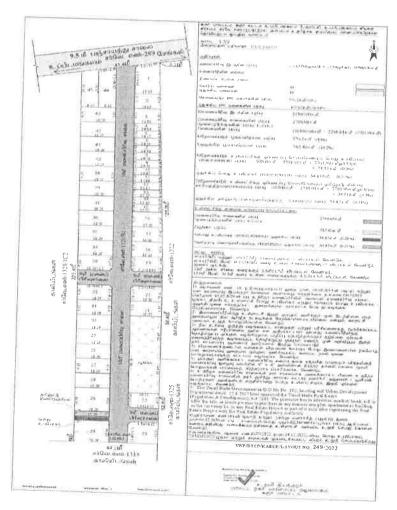


Fig. 1 Approved residential layout





The observations found during the inspection were listed below,

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

#### 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	Туре І	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





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#### 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.

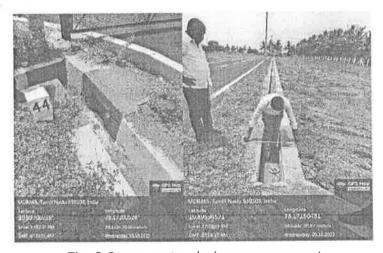


Fig. 3 Storm water drain measurement

#### 3. Fancing of Park and reserved site

Chain link fencing are provided with size of  $4.13 \times 3.93$  inch with stone pillars at 3.1 m intervals and the height of the pillar is observed about 1.59 m having size of  $150 \times 80 \text{ mm}$ . 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.

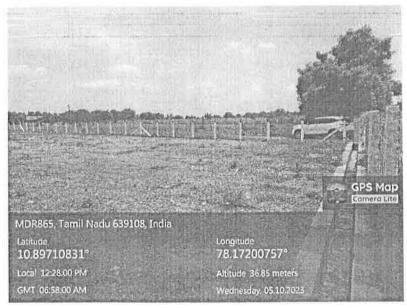


Fig. 4 Fencing measurement





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#### 4. Water supply

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

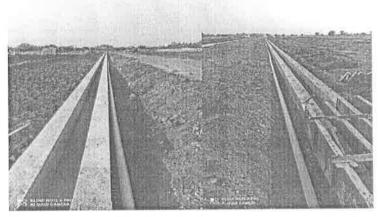


Fig. 5 Water line layout

### 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.

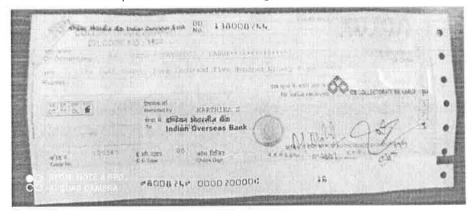


Fig. 6 Receipt for TNEB Connection

Prepared by

(Mg. G. Balgji/Ap-civil)

ر کراچاری کی Verified by



Approved by

Thates op degree in a majoration of

Name of the Client

#### MKCE CONSULTANCY SERVICES

### DEPARTMENT OF CIVIL ENGINEERING

Date: 12/5/23

CLIENT DETAILS

Mrs. C. Banu Jayarani

Address of the Client	Executive officer appidamangaram Municipality
Mobile No.	109 mr 94433 02023
Email ID	144330208
4 4	CAMPLE DETAIL C
Type of Comple given	SAMPLE DETAILS
Type of Sample given	
No. of. Sample given	
Name of the Test Requested	Third Party Inespection
Purpose of Testing	
Test Report Hand over to	MRS. Jothilalchni 23 others
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.	g,
to my knowledge with assurance of go undertake the results are not to be cha	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also anged given by you.  Signature:
Consultancy Charges	R8.7000
Consultancy In-Charge	HoD/Civil V. Photo



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

Payee Name

Third Party Inspection

Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Consultancy	7000.06
		c
	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

முதல்வா் அவா்கள், குமாரசாமி பொறியியல் கல்லூரி, தளவாபாளையம், தோட்டக்குறிச்சி.

> உப்பிடமங்கலம் பேரூராட்சி, ஜு. கரூர் மாவட்டம்.

#### 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.

நகல்:-

1. கரூர் மாவட்ட நகர்ஊரமைப்பு உதவி இயக்குநர் அவர்களுக்கு பணிந்து சமர்ப்பிக்கப்படுகிறது.

2. திண்டுக்கல் மண்டல பேரூராட்சிகளின் உதவி இயக்குநா் அவா்களுக்கு பணிந்து சமா்ப்பிக்கப்படுகிறது.





Approved by AICTE & Affiliated to Anna University 150 3001:2015 & 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/C	E/2022-23/ <b>129</b>	DATE
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DATE: 11.05.2023
Client Ref. /Date	Letter Dated: 08.05.2023	
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 : 14days as mentioned	Date of Casting : 23.04.2023 Date of Testing : 10.05.2023 Quantity Received : 2 by the client
Purpose of the work	Column Work	,
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	- CURE TECT

#### 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	
1	Sample F <sub>1</sub>	150x150x150	8.380	628	27.04		(N/mm²)	
2	Sample F <sub>2</sub>	150,150,150		020	27.91	93.04		
	Gample F <sub>2</sub>	150x150x150	8.440	676	30.04	>100	28.98	

#### 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

#### 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

If you require any clarification, please contact

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





### **M.KUMARASAMY**



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/C	E/2022-23/ <b>128</b>	DATE: 11.05.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DATE: 11.03.2023
Client Ref. /Date	Letter Dated: 08.05.2023	
Report Handover to	Mr.K.Karthi	
Sample Details	Size of the Sample: 150 x 150 x 150 mm	Pate of Casting : 10.04.2023 Pate of Testing : 10.05.2023 Quantity Received : 2 By the client
Purpose of the work	Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE -	CURE 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 F <sub>1</sub>	150x150x150	8.420	681	30.27	>100	(iv/iiiii)
2	Sample F <sub>2</sub>	150x150x150	0.460		00.27	>100	30.51
	ourripie 12	13071307130	8.460	692	30.76	>100	30.51

### 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

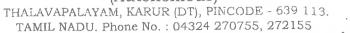
Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in |Mobile: +91 8870881397. Autonomous

Report NO: 1284129



### M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)





#### Receipt

Ref. No.

273

Date

11/05/202

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

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 08/05/23

#### CLIENT DETAILS

KKUNI 333@ 8mall.com

SAMPLE DETAILS

Near Salem Eye-pass good, Kagur-6

New Building

8940913451

Name of the Client

Address of the Client

Mobile No.

Email ID

Type of Sample given	Con crefe cube					
No. of. Sample given	4 (212)					
Name of the Test Requested	CT					
Purpose of Testing	cokemo work					
Test Report Hand over to	MR. K. Nouthi					
DECLARATION OF THE CLIENT						
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/Wek_loouth  to my knowledge with assurance of go undertake the results are not to be cha	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also anged given by you.					
	Signature: Addle					
Consultancy Charges	Rs. 600  -					
Consultancy In-Charge	HoD/Civil V. Mysps					









#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	4
Report Ref. No: MKCE/CE	E/2022-23/ <b>127</b>	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	2
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Quantity Received : 5
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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample D <sub>1</sub>	150x150x150	8.420	681	30.27	>100	
2	Sample D <sub>2</sub>	150x150x150	8.360	692	30.76	>100	
3	Sample D <sub>3</sub>	150x150x150	8.385	675	30.00	100	30.62
4	Sample D <sub>4</sub>	150x150x150	8.425	696	30.93	>100	
5	Sample D <sub>5</sub>	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.KUMARASAMY



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/ <b>126</b>	DATE: 04.05.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	1 2 1 3 1 3 1 3 1 3 2 3
Client Ref. /Date	Letter Dated: 02.05.2023	
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 : 28 days as mentioned	Quantity Received: 2
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	- CUBF 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 <sub>1</sub>	150x150x150	8.400	676	30.04	>100	( willing
2	Sample E <sub>2</sub>	150x150x150	8.360	691	30.71	>100	30.38

#### 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: <u>balajig.civil@mkce.ac.in</u> [Mobile: +91 8870881397.



## M.KUMARASAMY



Extend Remarking Joint Canada Institut at.

Approved by AICLE & ARRIVATEd to Anna Victorially
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/ <b>125</b>	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 7 days as mentioned	Quantity Received : 2
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 <sub>1</sub>	150x150x150	8.200	495	22.00	73.33	01.10
2	Sample E <sub>2</sub>	150x150x150	7.960	456	20.27	67.56	21.13

#### 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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> [Mobile: +91 8870881397.



Re. NO: 125, 126, 127



### M.KUMARASAMY COLLEGE OF ENGINEERING







#### Receipt

Ref. No.

246

Date

05/05/202

Rec. No.

98/23-24

Account

COLLEGE

Payee Name

**NEW BUILDING** 

Payment Type

Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	1350.00
	P	
	Total Amount	1350.00

05/05/2023

10:56:34 AM

Cashier - GAUTHAMAN



## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 02/05/23

CLIENT DETAILS Name of the Client New Building Near Sajem Bye-pass road, kanir-b Address of the Client Mobile No. 8940913451 Email ID E|curil 333@ Smail wm SAMPLE DETAILS Type of Sample given Congete who No. of. Sample given (2+2+5) 23/4/23 09 Name of the Test Requested Purpose of Testing For Column, footing Molle 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. Consultancy Charges Consultancy In-Charge HoD/Civil



### **M.KUMARASAM**



Approved by AUJE as a tribated to Anna University iSO 9001-2015 & ISO 14001-2015 Certified institution 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/C	E/2022-23/ <b>124</b>	D	ATE: 02.05.2023		
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		2.00.2020		
Client Ref. /Date	Letter Dated: 29.04.2023				
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 : 14 days as mentioned	Quantity Rece	g 29.04.2023		
Purpose of the work	Tie Beam Work				
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE - CUBE TEST				
DECIII T.		TODE IL	-		

#### 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 C <sub>1</sub>	150x150x150	8.340	612	27.20	90.67	
2	Sample C <sub>2</sub>	150x150x150	8.520	626	27.82	92.74	27.51

#### 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

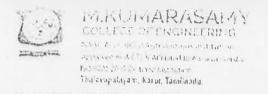
Approved by - Principal

Autenomou Seal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

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



Name of the Client

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 29/4/2-3

CLIENT DETAILS

New Building

Address of the Client	Near Salem Bre-pass opad, Icanu.				
Mobile No.	894091345)				
Email ID	KX CÊVI) B33 A Smail. WM				
	SAMPLE DETAILS				
Type of Sample given					
No. of. Sample given	2				
Name of the Test Requested	CT				
Purpose of Testing	for Tie Beary				
Test Report Hand over to	K. Carthi				
DECLARATION OF THE CLIENT					
The Principal,  Minkumarasamy College of Engineeri  Thalavaplayam, Karur - 639 113.  I/We Rowledge with assurance of andertake the results are not to be constant.	declare that the above given information and sample given is				
Consultancy Charges	Rs. 3001-				
Consultancy In-Charge	HoD/Civil J. P. OSIMAS				
N					



## 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

Payce Name

: NEW BUILDING

Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
ENJESTE S	Total Amount	300.00

02/05/2023 3:35:32 PM Cashier - GA





AFCTE Approval No. 732-53-004(NDGE) / 97 dt. 22,10,1999

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENG

	TEST REPORT	
Report Ref. No: MKCE/C	DATE: 28.04.2023	
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	20.04.2020
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 Quantity Received : 3	k Date of Testing: 28.04.2023
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/cm²)	Average Compressive Strength of Fly Ash brick
1	Sample 1 -R <sub>1</sub>	220 x 95 x 70	3.420	166	80.99	(kg/cm²)
2	Sample 1- R <sub>2</sub>	220 x 95 x 70	3.640	187	91.24	
3	Sample 1- R <sub>3</sub>	220 x 95 x 70	3.310	196	95.63	89.29

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/cm<sup>2</sup>4. Fly Ash brick is 125 to 150 kg/cm<sup>2</sup>

## 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

Autonomou

Approved by - Principal COLLEGE

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

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



## M.KUM RASAV FOLLEGE OF ENGINEERING

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

## Receipt

Ec. Ive.

207

Date

29/44 2023

87723-24

COLL BAN

Faver Name

NEW BUILDING

Fayment Type Regular

S.No	Particulars	Amount(Rs.)
1	BRICK TEST	300.00
		2

Total Arounds

360 )1

29/ - 2023 1007/03/00 32





# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 20/0/23 CLIENT DETAILS Name of the Client New Building Neer Salen Bye-pastropad, Camir-6 Address of the Client Mobile No. 8940913951 KICCIN 333 @ Small 6m Email ID SAMPLE DETAILS Type of Sample given No. of. Sample given 07 Name of the Test Requested Na Purpose of Testing Pur. Site Worle est Report Hand over to Tes 1c. Karthi DECLARATION OF THE CLIENT DEC То The Principal, The i M.Kumarasamy College of Engineering, M.Ko Thalavaplayam, Karur - 639 113. lina 1/We 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 undertake the results are not to be changed given by you. Consultancy Charges Cons Rs. 300/ Consultancy In-Charge HoD/Civil





NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Appe 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 ENGINEEDING

Report Ref, No: MKCE/C	TEST REPORT		101112	LIVING
Client Details	Cogipro Design and Construction, Near Rasi Apartment, Chinnandan Kovil, K. Mobile: +91 9698711733			28.04.2023
Client Ref. /Date	Letter Dated: 27.04.2023			
Report Handover to	Cogipro Design and Construction			
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M20 Age of Concrete : 21 days as mentioned	Date of Cas Date of Tes	ting	: 05.04.2023 : 28.04.2023
Purpose of the work	For Site Work (Sankaraa Apartment)	a by the client		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE OUD-		<del></del>

#### RESULT:

S.No.	Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength
1	Sample C <sub>1</sub>	150x150x150	8.675	632	00.00		$(N/mm^2)$
2	Sample C <sub>2</sub>	150x150x150	8.340		28.09	>100	
3	Sample C <sub>3</sub>	150x150x150		719	31.96	>100	
4			8.465	705	31.33	>100	20.00
	Sample C <sub>4</sub>	150x150x150	8.440	708			30.66
5	Sample C <sub>5</sub>	150x150x150	8.320		31.47	>100	
			0.320	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).

✓ 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.

Total Janes

Tested by – Mr. G. Balaji, AP/Civil V. P. Jag/4/29

Verified by - HoD/Civil

18 29/4/23

Approved by - Principal

Autonomous

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |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.

228

Date

29/04/2023

750.00

Fec. No.

88/23-24

Account

COLLEGE A/

Payer Name

COGIPRO DESIGN AND CONSTRUCTION

Fayment Type

Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	750 00
	Total Amount	

71/0- 2023 3114:01 A

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# MKCF CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 27/4/23

CLIENT DETAILS

Name of the Client	Cogipro Design and Construction		
Address of the Client	Negr Rasi Apartment, Chinnandan Honi, lagour		
Mobile No.	969871733		
Email ID			
	SAMPLE DETAILS		
Type of Sample given	Conurete whe		
No. of. Sample given	5		
Name of the Test Requested	CT Doc: 5/4/23		
Purpose of Testing	for Aparment woule		
rest Report Hand over to	Costpro degliga & construction,		
DECLARATION OF THE CLIENT	1 Jipin 1951 ( Constitution,		
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/We M. Sum to my knowledge with assurance of go undertake the results are not to be cha	declare that the above given information and sample given is		
	Signature:		
Consultancy Charges	R8. 750/		
Consultancy In-Charge	HoD/Civil N. M. Darky		





NANC Accredited Autonomous Institution

ISO 0001:2015 & ISO 14001:2015 Certified institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

Report Ref. No: MKCE/CE	/2022-23/121	DATE: 27.04.2023	
	Mr.K.Kaniraj,	V	
Client Details	Municipality Commissioner,		
Charle Details	Pugalur Municipality, Velayuthampalayam,		
r, 81	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<sup>th</sup> 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.

(D) 599 Jours	V. M22/423	of Salutin
Observed by – Mr. S. Ramkumar, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, please of Consultancy In-Charge, Department of Email: balajig.civil@mkce.ac.in  Mobile:	Civil Engineering.	Autonomous Seal





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## **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 26<sup>th</sup> 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.

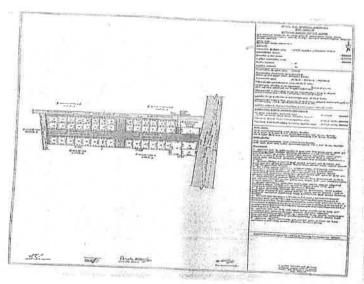


Fig. 1 Approved residential layout







MAAC 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

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

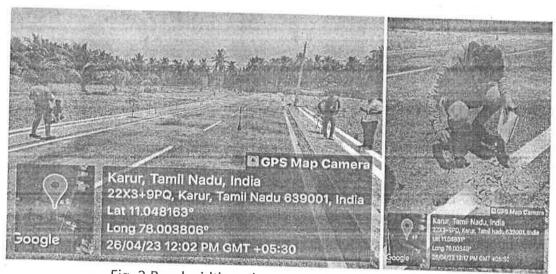


Fig. 2 Road width and cross section measurement







Approved by AGTE & Affiliated is, Arma University (80-9001.3015 & 150-14001.2015 Certified institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

## 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







province. In: At 71 & 4 (filtrer to Ann. 2 dimension ISO 9001:2015 & ISO 14001:2015 Certified institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

## 4. Fencing of Park and reserved site

Fencing is not done in the site and reserved site is provided for TANGEDCO and Public utilities.

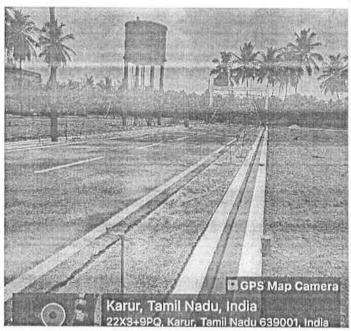


Fig. 5 Provision of Fencing

## 5. Water supply

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

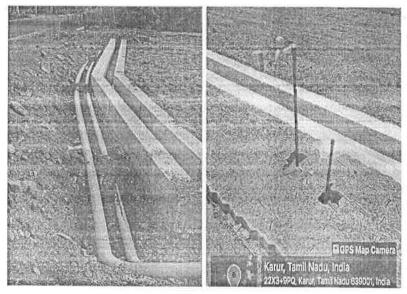


Fig. 6 Pipeline Connection





# REMINIMENSALMY



150 9001:2015 & ISO 14001:2015 Certified institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

## 6. Streetlight

Streetlights were not provided at the site but connection request has been submitted and payment has been done.



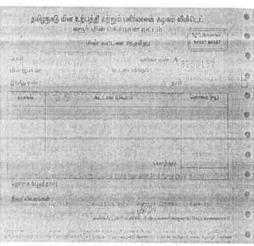


Fig. 7 Provisions of Powerlines & Streetlights

Prepared by

Verified by
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.





## M.KUMARASAMY COLLEGE OF ENGINEERING





## Receipt

Ref. No.

218

Date

27/04/202

Rec. No.

81/23-24

Account

COLLEGE 1

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 - GAUT







Name of the Client

Address of the Client

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 26/04/2023

**CLIENT DETAILS** 

Mr. Dusaikumasasamy. No.12. AVS & AVR Colony,

	Kaens.	
Mobile No.	9443165614	
Email ID	g-max.	
	SAMPLE DETAILS	
Type of Sample given	pose.	
No.of.Sample given	.=	
Name of the Test Requested	Third Party In	spection.
Purpose of Testing		
Test Report Hand over to	Mr. Dusa kumasasan	A11
DECLARATION OF THE CLIENT	THE PARTY NAMED AND ASSESSED TO THE PARTY NAMED ASSESSED TO THE PARTY NAMED AND ASSESSED TO THE PARTY NAMED AS	
To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We	DUU Saliiliilii lechnidiide withdi	iven information and sample given ut any concealed material therein. I Signature:
Consultancy Charges	Rs. 5000/-	
Consultancy In-Charge	D'its	HoD/Civil 4.1/22/1/17
	29141	





NRAC Accredited Autonomous institution
Approved by AICTE & Afflicated 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 RES	SIDENTIAL LAYOUT - THIRD PARTY INSPECT	ION CERTIFICATE			
Report Ref. No: MKCE/0		DATE: 26.04.2023			
	Mr.K.Kaniraj,				
Client Details	Municipality Commissioner,				
Oliciti Detalis	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	3			
	Mr.S.Jayavelu,				
Report Handover to	D.No. 11, Member Ramasamy Street,				
Troport Handover to	Kandhampalayam,				
	Pugalur (TK), Karur.				
	Ward No. 06, Punjaipugalur (North) Village,				
Plot Details	SF.No. 162/2A2B2,				
Tiot Botano	Pugalur Municipality,				
	Karur.				

Based on the inspection carried out on 26<sup>th</sup> 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,	0. K/26/M2	AS - 27/4/25
AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, ple Consultancy In-Charge, Departme Email: balajig.civil@mkce.ac.in  M	ent of Civil Engineering.	Autonomous Seal





IntAC Decredited national plantages
Approved by AICTS & Affiliated to Asse University
ISCI-9001-2015 & ISO 14001:2015 Certified Institution
AICTS Approval No. 732-53-004(NDGS) / 97 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.

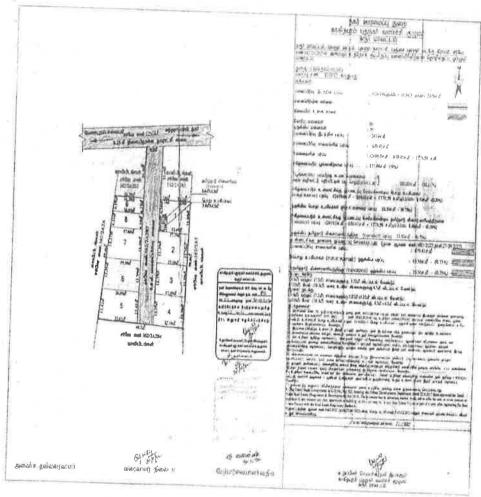


Fig. 1 Approved residential layout







Augured by AKTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001;2015 Certified Institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1939

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

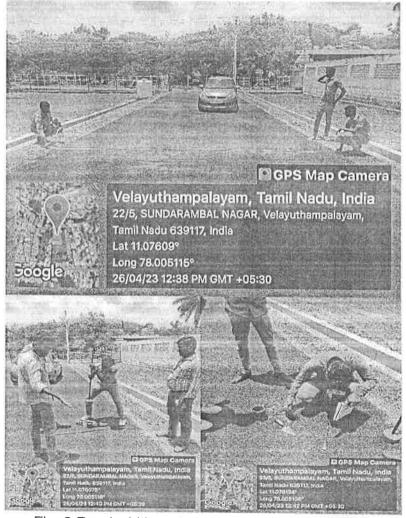


Fig. 2 Road width and cross section measurement







Approved by ALCTA & APPlicated to Acids University (SD 9001 2015 & ISO 14001-2015 Condited Instructor AlCTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

## 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.

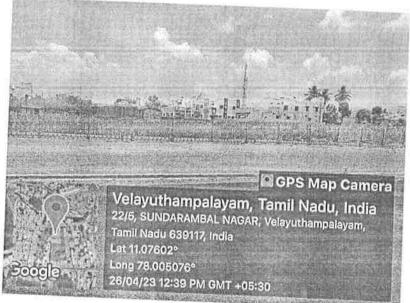




Fig. 4 Fencing measurement

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Autoriomoi





Approved by (No. 1 & NEW MED 42 Many Line 2019) ISO 900112015 & ISO 1400112015 Certified restriction 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

Streetlights and electric posts were not provided on 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 streetlight.

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			1-000	500					ILLES.					
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150 9001:2015 & ISC 14001:2015 Certified Institution AICTE Approval No. 732-53-00411101-- 97 dt. 22.10.1909

Fig. 6 Receipt for TNEB Connection

Prepared by

CMY. G. Balai Ap-avii)

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

THALAVAPALAYAM,

Approved by

KARUR - 639 113



# Re. No: 120



# M.KUMARASAMY COLLEGE OF ENGINEERING





## Receipt

Ref. No.

217

Date

27/04/202

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
2. 2.		a
	Total Amount	5000.00

27/04/2023

3:09:22 PM

Cashier - GAU



# MKCE CONSULTANCY SERVICES

## DEPARTMENT OF CIVIL ENGINEERING

Date: 26/04/23

1...

CLIENT DETAILS

Name of the Client	MR. K. Kanisaj
Address of the Client	Muni copality Commissioner, Pusatur Municipality, Pusatur (Th.), Icamr.
Mobile No.	9719 9791942609
Email ID	Commr. Pugatur @Bmail, Leb
	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	0
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.  I/#e Mr Vigyacume to my knowledge with assurance of go	declare that the above given information and sample given is
undertake the results are not to be ch	anged given by you.
Consultancy Charges	Rs. 5000/
Consultancy In-Charge	HoD/Civil J. 15 Holly



KR

FUC

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

E-TATOE GOILD	OLIMICI S	ERVICES - DEPARTMENT C	F CIVIL ENGINEERING
Propo	sed Residen	tial Layout Third Party Inspe	ection Certificate
Report Ref. No: MKCE/CE	DATE: 26.04.2023		
Client Details	Executiv Velur To Namakka	wn Panchayat,	
Client Ref. /Date	Ref. No. 4	27/2023; Letter Dated: 06.02.20	23
Report Handover to	Mr.K.P.M 213, Kup Velur, Namakka	puchipalayam,	10 
Plot Details	SF.No: 37 Melmuga Punjai Ed Velur Tov Namakka	m, ayar, vn panchayat,	Ş
Based on the in residential layout for the preport.	spection carrie	ed out on 26 <sup>th</sup> April 2023, 10.00 a. asic amenities, the observations	m. by the faculty team at the proposed found were provided in the enclosed
2 Sofyn		N.14 25/19/23	Bhumpoblyles
Report prepared b Mr. R. Dineshkuma AP/Civil	Approved by Principal		
If you require any clarificati Consultancy In-Charge, Dep Email: <u>balajig.civil@mkce.ac</u>	artment of Civi	il Engineering.	Autonomous) Seal





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**

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.

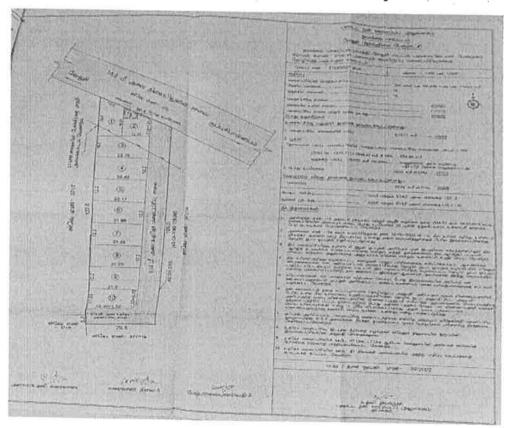


Fig.1 - Approved Residential Layout







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



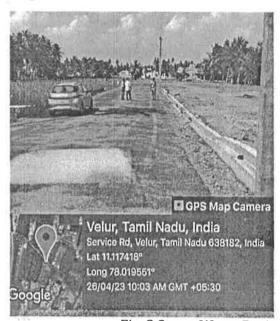




ISO 9001:2015 & ISO 14001:2015 Certified Institution
AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

## 2. Strom Water Drains

Strom 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.



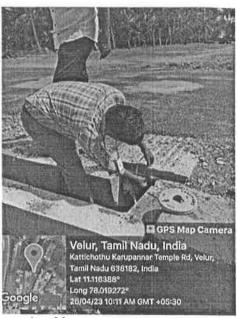


Fig. 3 Strom Water Drains cross section Measurement

#### 3. Culverts

Culverts were provided on the road junctions over the strom 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.







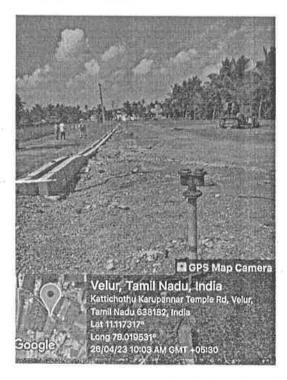
Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999



Fig. 4 Fence provision

## 6. Water Supply

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



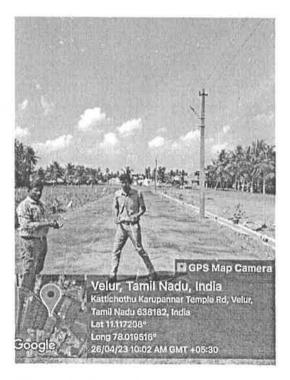


Fig. 6 Water Supply and Street Light provision







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## 7. Street Light

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

Prepared by

Verified by

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

Approved by





Name of the Client

Address of the Client



(Secretary SIV Regions)

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

FOC.

Date: 26.4.23

**CLIENT DETAILS** 

Velus,

Namakkal

Executive Officer, Yell Toon Prochayat

Mobile No.	4842711636
Email ID	
	SAMPLE DETAILS
Type of Sample given	
No. of. Sample given	
Name of the Test Requested	Third Ruty Inspection.
Purpose of Testing	
Test Report Hand over to	Mr.K.P. Nani, 213, Kuppuchipalayam, Kelu.
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/We	g,  declare that the above given information and sample given is ood sampling techniques without any concealed material therein. I also
undertake the results are not to be ch	anged given by you.
	Signature:
Consultancy Charges	Five Thousand only
Consultancy In-Charge	HoD/Civil 1. Mayer





Approved by ACTE & Milliand to Arma 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/C	DE/2022-23/ <b>118</b>		DATE	: 25.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		DATE	25.04.2023
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 : 14 days as mentioned	Quantity R	sting	: 10.04.2023 : 24.04.2023
Purpose of the work	Column Work	, , , ,		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE CURE	TEOT	

## **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
1	Sample C <sub>1</sub>	150x150x150	8.675	662	29,42	00.07	(N/mm²)
2	Sample C <sub>2</sub>	150x150x150	8.340	695	30.89	98.07	30.16

# 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 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

10000- 12519/2

ır you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. Approved by - Principal

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MAAC Accredited Autonomous Institution
Approved by AlcTe is efficient in rune University
ISO 9001:2015 & ISO (4001:2015 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/0	CE/2022-23/117		DATE	E: 25.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		Ditte	20.04.2023
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	Date of Cas Date of Tes Quantity Re by the client	sting eceived	: 15.04.2023 : 24.04.2023
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/mm²)	% Strength Attained	Avg. Compressive strength
1	Sample C <sub>1</sub>	150x150x150	8.395	592	26.31	07.70	(N/mm²)
2	Sample Co	150x150x150	0.005		20.31	87.70	20.40
	Cumpic O <sub>2</sub>	13021302130	8.665	586	26.04	86.81	26.18

# 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 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

iomonetul

Seal

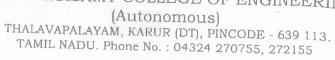
If you require any clarification, please contact

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

Re. NO: 117,118



# M.KUMARASAMY COLLEGE OF ENGINEERING





## Receipt

Ref. No.

204

Date

25/04/202:

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 - GAUT

Malarap dejeri kami Tanging ta

Name of the Client

Address of the Client

# MKCF CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 24/4/23

CLIENT DETAILS

Near Salem Bye-pass mad, lawr-6

New Building

Mobile No.	0.0.
Mobile No.	8940913457
Email ID	KILCINI 1833@ Smail.com
	SAMPLE DETAILS
Type of Sample given	Concrete cube
No. of. Sample given	4
Name of the Test Requested	Or Dioc:10/6/03; 15/6/63
Purpose of Testing	Tie bean, telenn.
Test Report Hand over to	Tie bean, telenn. A. Icarthi
DECLARATION OF THE CLIENT	
The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/We	declare that the above given information and sample given is
Consultancy Charges	R8.600/
Consultancy In-Charge	Hod/Civil U. Sar/Kls
	VV





Approximately AlCTE & Additional of Ages Marketing ISO 9001 2015 & ISO 14001:2015 Certified Institution AICTE Approval No. 732-53-004(NDGE) 7 97 dt. 22.10.1999

# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	1:			
Report Ref. No: MKCE/C	E/2022-23/116	D.A	TE: 24.04.2023		
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	1 0			
Client Ref. /Date	Letter Dated: 21.04.2023				
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 : 28 days as mentioned	Date of Casting Date of Testing Quantity Rece d by the client	g : 21.04.2023		
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 C <sub>1</sub>	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:

#### 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

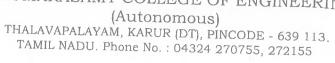
If you require any clarification, please contact

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

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



# M.KUMARASAMY COLLEGE OF ENGINEERING





## 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 - GAUTH

Tellerapsing of these Territories

Name of the Client

Address of the Client

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 21/4/23

CLIENT DETAILS

Near Salem Byepass mad Icanir-6

New Building

Mobile No.	8940913451						
Email ID	Ecció 333@ Smail.com						
	SAMPLE DETAILS						
Type of Sample given	Conneje whe						
No. of. Sample given							
Name of the Test Requested	CG DOC: 29 1723						
Purpose of Testing	Foothy Mile						
Test Report Hand over to	t. Couth:						
DECLARATION OF THE CLIENT							
To The Principal, M.Kumarasamy College of Engineeri Thalavaplayam, Karur - 639 113.							
to my knowledge with assurance of undertake the results are not to be cl	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also hanged given by you.  Signature:						
Consultancy Charges	Ris. 150/						
Consultancy In-Charge	HoD/Civil 4.1/4/13						





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: MKC	E/CE/2022-23/115		DATE: 26.04.2023
Client Details	Shree Renga Polymers, Unit-2, SF.No. 111/1, Kakkavadi Village, Kakk Email: info@shreerengapolymers.com Phone: +91 - 4324 - 250160.	kavadi (PO), Karu	1
Client Ref. /Date	Letter Dated: 24.04.2023		
Report Handover to	Shree Renga Polymers		
Sample Details	Type of Sample : Paver Block Size of the Sample : 130mm Side length Grade of Block : M25	Condition Type Quantity Re	: Satisfactory : Hexagon :ceived : 3
Purpose of the work	For laying		
Type of Test	COMPRESSIVE STRENGTH OF PAVER BL	OCK – PAVER B	LOCK TEST
DEGULT.			

#### **RESULT:**

S.No.	Block Sample	Side Length (mm)	Area of the block (mm²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm²)	Average Corrected Compression Strength
1	Sample A <sub>1</sub>	130	44850	5.428	1564	34.87	37.72 N/mm <sup>2</sup>
2	Sample A <sub>2</sub>	130	44850	5.370	1840	41.02	or
3	Sample A <sub>3</sub>	130	44850	5.460	1672	37.27	384.63 kg/cm <sup>2</sup>

#### Reference:

✓ As per IS 15658: 2006, The minimum average 28 Days Compressive Strength should be above 25 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.

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



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/C	E/2022-23/ <b>114</b>	DA	TE: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 7 days as mentioned	Quantity Receiv	20.04.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TES	T

#### 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 C <sub>1</sub>	150x150x150	8.360	585	26.00	86.67	
2	Sample C <sub>2</sub>	150x150x150	8.440	560	24.89	82.96	25.44

#### 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.

sted by - Mr. G. Balai

Tested by – Mr. G. Balaji, AP/Civil

N. 1- ( 20/14/2)

Verified by - HoD/Civil

Brum Yallylas

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

Autonomous Seal



NAAC Accredited Autonomous Institution

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# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/1 <b>13</b>	DA	ATE: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentione	Date of Castin Date of Testin Quantity Rece d by the client	g 20.04.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	ETE – CUBE TE	ST

#### 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 B <sub>1</sub>	150x150x150	8.460	685	30.44	>100	30.56
2	Sample B <sub>2</sub>			690	30,67	>100	30.50

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





# M.KUMARASAMY

COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/ <b>112</b>		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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentione	Date of Cast Date of Test Quantity Red d by the client	ing : 20.04.2023 ceived : 3
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE – CUBE 1	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 B <sub>1</sub>	150x150x150	8.585	721	32.04	>100	
2	Sample B <sub>2</sub>	150x150x150	8.670	718	31.91	>100	32.22
3	Sample B <sub>3</sub>	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.

#### NOIE:

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



Tested by – Mr. G. Balaji, AP/Civil ~ H/2014/23

Verified by - HoD/Civil

B 114/23

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.

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

The later department of the Tennishada

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 20/4/23

CLIENT DETAILS Name of the Client New Building Near Salem Bye-pass road, Icanus-6 Address of the Client Mobile No. 8940913451 Email ID KKEEN 333 @ Smail.com SAMPLE DETAILS Type of Sample given Convete cube No. of. Sample given (3+2+2) DOC 243/23, P/4/23, 10/6/23 Name of the Test Requested Purpose of Testing FOOTING WOLL Test Report Hand over to K Karthi DECLARATION OF THE CLIENT To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113. 1/We L. Carri 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. Consultancy Charges Rs. 1050 -Consultancy In-Charge HoD/Civil



# M.KUMARASAMY

NAAC Accredited Autonomous Institution

COLLEGE OF ENGINEERING

KR

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/C	E/2022-23/ <b>111</b>	DAT	E: 19.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	y	f a
Client Ref. /Date	Letter Dated: 18.04.2023		
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 : 14 days as mentioned	Quantity Receive	
Purpose of the work	Footing Work	9	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 <sub>1</sub>	150x150x150	8.585	681	30.27	>100	
2	Sample A <sub>2</sub>	150x150x150	8.670	602	26.76	89.19	
3	Sample A <sub>3</sub>	150x150x150	8.345	645	28.67	95.56	29.48
4	Sample A <sub>4</sub>	150x150x150	8.785	685	30.44	>100	
5	Sample A <sub>5</sub>	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

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Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> [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.

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 - GAÙ

Thalacopologan Farm Temilianda

Name of the Client

# 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 mad, Karur b
Mobile No.	8940913451
Email ID	KKuni 333 @ 8mail, com
	SAMPLE DETAILS
Type of Sample given	Con gete cube
No. of. Sample given	05
Name of the Test Requested	CT, Doc: 3/4/23
Purpose of Testing	Pooting work.
Jest Report Hand over to	k. leaffi
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/Wek - Karth\ to my knowledge with assurance of go undertake the results are not to be cha	declare that the above given information and sample given is od sampling techniques without any concealed material therein. I also nged given by you.
	Signature: 2 Louk
Consultancy Charges	Rs. 7501-
Consultancy In-Charge	HoD/Civil AND



# M.KUMARASAMY



NAAC Accredited Autonomous Institution

approved by AUTE & Affilliand to Anna University 150 9001 2015 8 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/0	DE/2022-23/ <b>110</b>		DATE	E: 13.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.			1.10101.2020
Client Ref. /Date	Letter Dated: 13.04.2023			
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 : 28 days as mentioned	Date of Ca Date of Te Quantity F	esting Receive	: 16.03.2023 : 13.04.2023 d : 1
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TF - CURE	TEQT	

#### **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 <sub>1</sub>	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 BULLET O

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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# M.KUMARASAMY



#### NAAC Accredited Autonomous Institution

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### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/C	E/2022-23/ <b>109</b>		DATE	: 13.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	У О		2
Client Ref. /Date	Letter Dated: 11.04.2023			
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 : 7 days as mentioned	.Quantity F	esting Received	: 04.03.2023 : 11.04.2023 d : 2
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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)
** ** ** *** *** *** **	Sample A <sub>1</sub>	150x150x150	8.670	492	21.87	72.89	
2	Sample A <sub>2</sub>	150x150x150	8.530	515	22.89	76.30	22.38

#### 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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

Seal





Approved by ACTE & 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 ENGINEE

	TEST REPORT			
Report Ref. No: MKCE/0	DE/2022-23/108		DATE	. 12.01.0000
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	K 2	DATE	: 13.04.2023
Client Ref. /Date	Letter Dated: 11.04.2023			
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 : 7 days as mentioned	Quantity Re	sting eceived	: 03.04.2023 : 11.04.2023 : 5
Purpose of the work	Footing and Column Work	, , , , , , , , , , , , , , , , , , , ,		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE CURE	TEOT	
RESULT:	- THE TOTAL CONCRE	IE-CORF	IEST	

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 <sub>1</sub>	150x150x150	8.420	485	21.56	71.85	(IV/IIIII )
2	Sample A <sub>2</sub>	150x150x150	8.670	466			1
3	Sample A <sub>3</sub>	150x150x150			20.71	69.04	
_			8.480	420	18.67	62.22	21.10
4	Sample A <sub>4</sub>	150x150x150	8.565	491	21.82		21.10
5	Sample A <sub>5</sub>	150x150x150			41.02	72.74	
		130X130X150	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

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



(Autonomous)
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

<b>O</b>	Particulars	Amount(Rs.)
1	CUBE TEST	1200.00
	Total Amount	1200.00

17 4/2023

9:51:31 AM

Cashier - GAUTHAMAN



Name of the Client



## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 11/4/23

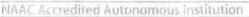
### CLIENT DETAILS

Name of the Client	New Building, Carry				
Address of the Client	Near Salem Bye-pass mad, loans-6				
Mobile No.	8940913451				
Email ID	KK 4vil333@ 8m ail.60m.				
	SAMPLE DETAILS				
Type of Sample given	Concate lube				
No. of. Sample given	15+2+1 => 8 nols				
Name of the Test Requested	Compression Test M30. (1) (1) (1) (1) (1)				
Purpose of Testing	Pooting & column work				
Test Report Hand over to	Ma. K. Kauthi				
DECLARATION OF THE CLIENT					
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/Wek_karul  to my knowledge with assurance of go undertake the results are not to be cha	declare that the above given information and sample given is od sampling techniques without any concealed material therein. I also inged given by you.				
	Signature Certy				
Consultancy Charges	Rs. (200)				
Consultancy In-Charge	HoD/Civil Notalman				



# M.KUMARASAMY

CAULTON DY ENGINEER INC



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



MKCF CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/CE	E/2022-23/ <b>107</b>		DATE:	08.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	Q		
Client Ref. /Date	Letter Dated: 06.04.2023			
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 : 28 days as mentioned	Date of Ca Date of To Quantity F d by the clie	esting Received	: 09.03.2023 : 06.04.2023 : 2
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUB	E 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 <sub>1</sub>	150x150x150	8.870	705	31.33	>100	31.48
2	Sample A <sub>2</sub>	150x150x150	8.640	712	31.64	>100	31.40

### 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 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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.



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/CI	E/2022-23/ <b>106</b>	DA:	TE: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned	Quantity Recei	06.04.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TES	ST .

#### **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 <sub>1</sub>	150x150x150	8.670	595	26.44	88.15	
2	Sample A <sub>1</sub>	150x150x150	8.440	612	27.20	90.67	27.44
3	Sample A <sub>1</sub>	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).

✓ 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: <u>balajig.civil@mkce.ac.in</u> |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.

: 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
0.			
	- 7 1		
	Total Amount		750.00

11/04/2023

10:54:20 AM

Cashier - GAUTH

Name of the Client

**Consultancy In-Charge** 

NAAC Accredited Autonomous Institution Approved by AICTE & Affiliated to Anna University ISO 9001;2015 Certified Institution Thalavapalayam, Karur, Tamilaadu.

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

**CLIENT DETAILS** 

New Building

Date: Objoy 123

Address of the Client	Near Galen Byepassood, barr.					
Mobile No.	8940913457					
Email ID	Kicaini 3330 Emqilcom					
	SAMPLE DETAILS					
Type of Sample given	Concrete cube					
No. of. Sample given	5					
Name of the Test Requested	et 22(2)-3 (4/3)23					
Purpose of Testing	Footing boile					
Test Report Hand over to	Mr. K. Karthi					
DELLARATION OF THE CLIENT						
To I'he Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.						
I/We	declare that the above given information and sample given is od sampling techniques without any concealed material therein. I also nged given by you.  Signature:					
Consultancy Charges	Rs. 750/					

HoD/Civil



# JMARASAMY

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Arma 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/CI	E/2022-23/ <b>105</b>		DATE:	06.04.2023
Client Details	Tmt.R.Selvi, Block Development Officer (Block Panchaya Mobile: +91 9659893366.	at), Paramat	hi.	
Client Ref. /Date	Letter Dated: 05.04.2023			
Report Handover to	Mr.Kuppusamy			
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M25 Age of Concrete : 28 days as mentioned	Date of Ca Date of Te Quantity F d by the clie	esting Received	: 04.03.2023 : 05.04.2023 I : 3
Purpose of the work	Construction of New Sub Room New Building	ng		8
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE	ETEST	Q.

#### 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 <sub>1</sub>	150x150x150	8.680	602	26.76	>100	
2	Sample A <sub>2</sub>	150x150x150	8.610	498	22.13	88.53	25.54
3	Sample A <sub>3</sub>	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. Fmail: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.



2e. No: 109



# 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/(

Payee Name

Tmt.R.Selvi

Payment Type

: Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	450.00
		2
	Total Amount	450.00

06/04/2023

12:18:22 PM

Cashier - GA



Name of the Client

Address of the Client

#### M.KUMARASAMY COLLEGE OF ENGINEERING

NAAC Acceptance Antomicos institution Approximações in Administro Amo University ISD 9001 7015 Cearling Institution Thalavapafayam, Karur, Tamilinado Re. No 109

Block development officer, (Block panchagrat)



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 05 04/23

**CLIENT DETAILS** 

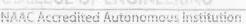
12 - paramathi, temr.

TMt. R. Selvi

Mobile No.	9659893366.	
Email ID	-	
	SAMPLE DETAILS	
Type of Sample given	Concrete whe	
No. of. Sample given	3	
Name of the Test Requested	Compression Test	DOC? O'408123
Purpose of Testing	Construction of New s	
Test Report Hand over to	Mr. kuppusany	O .
DECLARATION OF THE CLIENT	Sal Sal	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	Ţ,	
I/We Cuppy Sam to my knowledge with assurance of go undertake the results are not to be cha	declare that the above gived sampling techniques without a nged given by you.	ven information and sample given is ny concealed material therein. I also  Signature:
Consultancy Charges	Rs. 4509-	2.Buttube - D. A.
Consultancy In-Charge	HoD STENS	/Civil



## M.KUMARASAMY COLLEGE OF ENGINEERING



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

**(1-4)	TEST REPORT			
Report Ref. No: MKCE/CE/	/2022-23/104		DATE: 05.0	04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	1)	2	,
Client Ref. /Date	Letter Dated: 31.03.2023			
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 : 14 days as mentioned	Date of Cas Date of Tes Quantity Re by the client	ting : 3 ceived : 1	6.03.2023 0.03.2023
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE	TEST	X-

#### **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 <sub>1</sub>	150x150x150	8.480	678	30.13	>100	30.13

#### Poforance (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.

rested 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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. Approved by - Principal





## M.KUMARASAMY COLLEGE OF ENGINEERING

E OF ENGINEERING
ous)

(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/(

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



Re. NO: 104



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENCINEEDING

ate: 31803

DEPARTMENT OF CIVIL ENGINEERING

# CLIENT DETAILS Name of the Client Building Near Salem Bya-pass road, learner Address of the Client 9565.893366, 894091345) Mobile No. Email ID 100 civil 3330, 8mall, 6m SAMPLE DETAILS Type of Sample given Concrete cube No. of. Sample given 0) Compossion Test Name of the Test Requested Purpose of Testing For tooky woul. Test Report Hand over to Mr. K. lcarthi DECLARATION OF THE CLIENT To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113

I/We_ k leadh to my knowledge with assurance of g undertake the results are not to be cl	good sampling technique	the above given informates without any conceale	ation and sample given is ed material therein. I also
			Signature: de, laut
Consultancy Charges	RB. 150/		4.
Consultancy In-Charge	3.00	HoD/Civil	N. N. + 1/4/2
			1



# 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/C	E/2022-23/ <b>103</b>	DA	ATE: 03.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	Mo	
Client Ref. /Date	Letter Dated: 31.03.2023		
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 : 28 days as mentioned	Date of Castin Date of Testin Quantity Rece I by the client	g : 03.04.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TE	ST

#### 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 <sub>1</sub>	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 Day of walls

Tested by – Mr. G. Balaji, AP/Civil

V. N 3/4/23

Verified by - HoD/Civil

July 2/4/12

Approved by - Principal

If you require any clarification, please contact

Coกรับใสาเตร In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397.



KR

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

====1	TEST REPORT			
Report Ref. No: MKCE/C	E/2022-23/ <b>102</b>		DATE	: 03.04.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	34)		*
Client Ref. /Date	Letter Dated: 31.03.2023			
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	Date of Cas Date of Tes Quantity Re by the client	ting	: 24.03.2023 : 03.04.2023 : 1
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE – CUBE 1	FST	

#### **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 <sub>1</sub>	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).

#### NOTE:

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

Tested by – Mr. G. Balaji, AP/Civil 1,15 /3/H/23

Verified by - HoD/Civil

Jun 3/4/25

Approved by - Principal

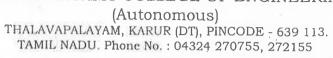
If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

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



# M.KUMARASAMY COLLEGE OF ENGINEERING





#### 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 - GAUT



Name of the Client

Thalavapalayam, Karur, Tamilnadu,

Re: No: 1091



## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 31/3/23

CLIENT DETAILS

Building

Address of the Client	Mear Salem Byepass road
Mobile No.	
Mobile 140.	E940913451
Email ID	Elleri 333@ Small.com
	SAMPLE DETAILS
Type of Sample given	Concrete cube
No. of. Sample given	141
Name of the Test Requested	Compression (RS)   DOC: 24/3/23   3/3/23
V E	May (1)
Purpose of Testing	Pooking work.
Test Report Hand over to	le learthi
<b>DECLARATION OF THE CLIENT</b>	
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.	ng,
I/We	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also nanged given by you.  Signature.
Consultancy Charges	R8. 200/
Consultancy In-Charge	HoD/Civil ~ 3/3/23



# M.KUMARASAMY

DOLLEGE OF ENGINEERING

AAC 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/C	E/2022-23/ <b>101</b>	4	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M20 Age of Concrete : 7 days as mentioned	Quantity Re	sting : 28.03.2023
Purpose of the work	Roof Concrete		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 <sub>1</sub>	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.

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

If you require any clarification, please contact

Coกรินก์เลาcy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL,

W. Kumarasamy College of Engineering,

THALAVAPALAYAM,

KARUR - 639 113

Seal



## 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
	2.5	
	Total Amount	150.00

30/03/2023

11:59:36 AM<sup>-</sup>

Cashier - GAUTH



Name of the Client

Approved by ARTH'S Affiliated to Are a University ISO 9001:2015 Certified Institution Thalavapalayam, Karur, Tamilinadu.

## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 28 3 123

CLIENT DETAILS

Mr. S. Glocal Raj

Address of the Client	Sembada palayam, basu.
Mobile No.	99860 42466
Email ID	gokulraj. Stris@ Amail. Lom
	SAMPLE DETAILS
Type of Sample given	Con crete rube
No. of. Sample given	
Name of the Test Requested	Compression Test
Purpose of Testing	for Roof Congele
Test Report Hand over to	For Roof Concrete  S. Golm Raj
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineeri Thalavaplayam, Karur - 639 113.  I/WeS. Land I  to my knowledge with assurance of undertake the results are not to be constant.	declare that the above given information and sample given is
Consultancy Charges	Rs. 150/
Consultancy In-Charge	HoD/Civil V. L. 125023





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/ <b>100</b>	D	ATE: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 7 days as mentioned	Date of Castir Date of Testir Quantity Rece by the client	ng : 29.03.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TE	EST

#### **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 <sub>1</sub>	150x150x150	8.680	519	23.07	76.89	20.00
2	Sample A <sub>2</sub>	150x150x150	8.610	421	18.71	62.37	20.89

#### 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.

Approved by - Principal Verified by - HoD/Civil AP/Civil OLLEGEO 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/2022-23/99		DATE: 30.03.20	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned	Date of Casting : 15.02  Date of Testing : 29.03  Quantity Received : 1  d 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 <sub>1</sub>	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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397.



Ro. No. 601



### 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
		V.
	Total Amount	450.00

30/03/2023

12:00:06 PM

Cashier - GAUTHAMAN



Name of the Client

Re. NO: 99, 100

KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 29/3/23

CLIENT DETAILS

New Building

Address of the Client	Near Salem bye-p	265 Road, Kan	ur-6		
Mobile No.	8940913457				
Email ID	KICCIVI) 333@ Smail. Lon				
	SAMPLE DETAILS				
Type of Sample given	Concrete Cabe				
No. of. Sample given	3 (241)				
Name of the Test Requested	Compression test	Dloc: 2	22/3/23		
Purpose of Testing	Proting Would		e i		
Test Report Hand over to	Pooling Would	1			
DECLARATION OF THE CLIENT	/wes(1)(1)				
To The Principal, M.Kumarasamy College of Engineer Thalavaplayam, Karur - 639 113.  I/We Lathi to my knowledge with assurance of undertake the results are not to be o	declare that the abo	lout any concealed	ion and sample given is I material therein. I also		
Consultancy Charges	Res. 2001—	7 · 3			
Consultancy In-Charge	Opping on >	HoD/Civil	J. W. 1		



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/C	E/2022-23/ <b>98</b>	DATE	E: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Quantity Receive	: 26.02.2023 : 27.03.2023 d : 1
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 A₁	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, Verified by -- HoD/Civil Approved by - Principal AP/Civil

If you require any clarification, please contact

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

PRINCHAGE M. Kumarasamy College THALAVAPAL! KARUS 639 ..



# M.KUMARASAMY

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

.m. X1	TEST REPORT		
Report Ref. No: MKCE/CI	=/2022-23/ <b>97</b>	DATE	E: 25.03.2023
Client Details	New Bullding, 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentione	Date of Casting Date of Testing Quantity Receive d by the client	; 25.02.2023 ; 25.03.2023 ed ; 2
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TES	

#### **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 <sub>1</sub>	150x150x150	8.580	644	28.62	95.41	30.87
2	Sample A <sub>1</sub>	150x150x150	8.710	745	33.11	>100	30.07

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.

D 0000	N. M 27/3/23	Bh 428/3/23
Teeted by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, pleas Consultancy In-Charge, Department Email: balajig.civil@mkce.ac.in  Mol	t of Civil Engineering.	PRINCIPAL, M. Kumarasamy College of Total LAVAPALA  **UR - 639 : Seal



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NAAC Accredited Autonomous Institution

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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/ <b>96</b>	DATE	E: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned	Quantity Receive	
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE – CUBE TEST	

#### RESULT:

C.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 <sub>1</sub>	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.

D. 2765	2-4/22/3/23	Som 128/3/23
Tested by Anr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, pleas	e contact	M. Kumarasamy College of Engineerings.
Consultancy In-Charge, Department Email: balajig.civil@mkce.ac.in  Mob	THALAVADALAYAM, KARI', -639 113	
		Spal

Re No: about 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



Name of the Client



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 27/3/23

**CLIENT DETAILS** 

New Building

Address of the Client	Negr Salem	Bye-pass mad,	leasures		
<u> </u>			3		
Mobile No.	8940913451	3	<		
Email ID	KK cívil 333@ 8mail.com				
	SAMPLE DETA				
Type of Sample given	Concrete whe	- 11	a >		
No. of. Sample given	[+2+]	70			
Name of the Test Requested	Compression Test				
Purpose of Testing	for footing work	,			
Test Report Hand over to	t. karthi				
ECLARATION OF THE CLIENT		T <sub>V</sub>			
To The Principal, M.Kumarasamy College of Engineer, Thalavaplayam, Karur - 639 113.  I/\text{We} \times \times \text{Kasku}\text{to my knowledge with assurance of undertake the results are not to be constant.}	declare that the	s without any conceal	nation and sample given is led material therein. I also		
Consultancy Charges	As. 600)—				
Consultancy In-Charge	1000/37	HoD/Civil	N. N/27/3/25		



### M.KUMAKASAMY COLLEGE OF ENGINEERING

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## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

# PROPOSED RESIDENTIAL LAYOUT (Seenivasan Nagar) – THIRD PARTY INSPECTION

Report Ref. No: MKCE/CE,	/2022-23/95	DATE: 25.03.2023
Client Details	Ms Ranu Jovarani	
Client Ref. /Date Ref.No.63/2023; Letter dated: 17.03.2023		and the same of the same
Report Handover to	S.Sureshkumar, S.Sathishkumar, S.Radhakrishnan, S.P	rakash, G.Parasuraman
Plot Details	SF.No. 961/1, 961/2, 965/2, 965/3A Seenivasan Naga Uppidamangalam Panchayat, Karur.	To a wind a consideral

residential layout for the provision of basic amenities, the observations found were provided in the enclosed report.

A 5/3/23	V.1- (25/2/2)	Banny 25/3/21
Tested by – Mr. S. Ramkumar & Mr. N.P.Srinivasan, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
lf you require any clarification, please Consultancy In-Charge, Department c		Autonomous Ser
Email: <u>balajig.civil@mkce.ac.in</u>  Mobile	e: +91 8870881397.	Seal



## COLLEGE OF ENGINEERING

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**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 23<sup>rd</sup> 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.

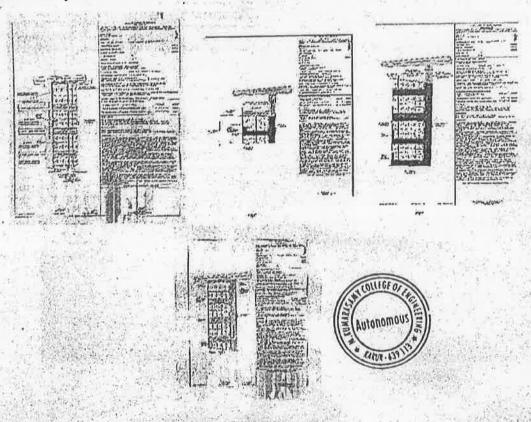
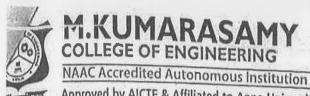


Fig. 1 Approved residential layout



R

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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

Type I (Main)	Type II (Sub)	
	8.815 m	
	5.14 m	
12 cm	12 cm	
8 cm '	8 cm	
3 cm	3 cm	
	8 cm '	

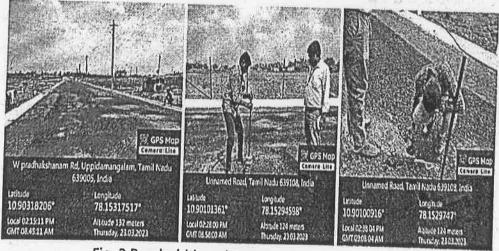


Fig. 2 Road width and cross section measurement





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#### 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





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#### 4. Fencing of Park and reserved site

Fencing is done in the site with Steel type and reserved site is also provided for TANGEDCO.

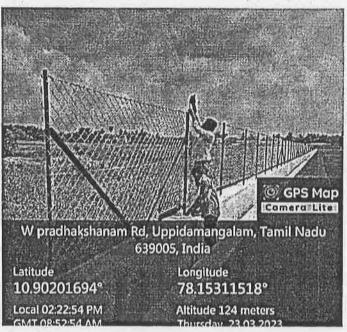


Fig. 5 Provision of Fencing

#### 5. Water supply

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

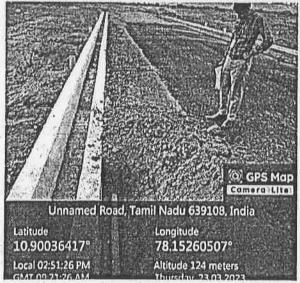


Fig. 6 Pipelina Connection



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6. Streetlight

Streetlights were provided at the site at several locations.

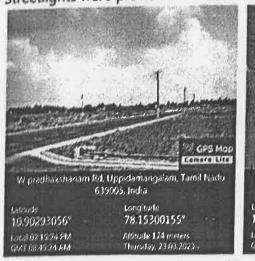




Fig. 7 Provisions of Powerlines & Streetlights

Prepared by

Verified by

Approved by





## 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
- 1	Total Amount	7000.00

25/03/2023 4:55:50 PM

Cashier - GAUTHAMAN



M.KUMARASAM COLLEGE OF ENGINEERING NAC Accredited Autonomous Institution
Approved by ACTE & Affiliated to Anna University
ISO 9001:2015 Certified Institution
Thalavapalayam, Karur, Tamilaadu.

### MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

	CLIENT DETAILS	A START	Date: 17/3/23.
Name of the Client	S-Sureshkuman &	S. Sathis how	imas.
Address of the Client	Uppidamangalam,		
Mobile No.	9678473 96775	345887	
Email ID		- 6	
	SAMPLE DETAILS		
Type of Sample given		P	
No.of.Sample given		A	
water the second			
Name of the Test Requested	Third Party	Drapection	Certificate.
Purpose of Testing		74, 148 <b>0</b> VI. 17 F	
Test Report Hand over to	L. Range Hosen		
DECLARATION OF THE CLIENT	K. Rajasekasan.	1 1 2 1 2	Victorial Indiana
To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.			
I/We <u>K. Rajase kasax</u> is to my knowledge with assurance of g also undertake the results are not to be	2000 sampling techniques	without any cor	icealed material therein. I
			Signature: Leftyndin
Consultancy Charges	Rs. 7000/-		
Consultancy In-Charge	0+	HoD/Civ	11 17. 12 / 24/2/22



### M.KUMARASAMY COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/ <b>94</b>	DATE	: 24.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	ΩII - W	
Client Ref. /Date	Letter Dated: 23.03.2023		
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	Quantity Receive	: 16.03.2023 : 24.03.2023 d : 1
Purpose of the work	Column Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TEST	300

#### **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 <sub>1</sub>	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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL,

M. Kumarasamy Collage of Engineering,

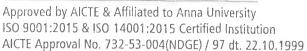
THALAVAPALAYAM.

KARUR - 639 113



# KUMARASAMY







MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL

	TEST REPORT	
Report Ref. No: MKCE/0	DE/2022-23/ <b>93</b>	DATE
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6, Mobile: +91 8940913451.	DATE: 24.03.2023
Client Ref. /Date	Letter Dated: 23.03.2023	
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 : 28 days as mentioned	Quantity Received * 1
Purpose of the work	Footing, Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE CURE 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
1	Sample A <sub>1</sub>	150x150x150	9.670	744			(N/mm²)
	oumple / th	13071307130	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.

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



# .KUMARASAMY

NAAC Accredited Autonomous Institution

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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

MICOL	TEST REPORT			
TO E No. MVCE/CE			DATE:	24.03.2023
Report Ref. No: MKCE/CE	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	š	*	:1
Client Ref. /Date	Letter Dated: 23.03.2023			
Report Handover to	Mr.K.Karthi		) 4!	; 09.03.2023
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned	Date of C Date of T Quantity d by the cl	esting Received	: 24.03.2023
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	ETE – CUE	BE 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)
		150x150x150		711	31.60	>100	30.29
1	Outriple 1				28.98	96.59	30.23
2	Sample A <sub>2</sub>	150x150x150	8.480	652	20.90	30.00	

## 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.

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

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

R2. NO: avay 199



## 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
		100.00
	Total Amount	600.00

24/03/2023

11:32:16 AM

Cashier - GAUTHAMAN



Name of the Client

Re No: 100,000 100

## MKCE CONSULTANCY SERVICES

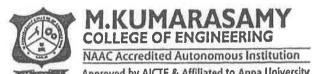
### DEPARTMENT OF CIVIL ENGINEERING

Date: 23/3/29

New Bail dlag

Wear Salem Bye-pass mad

Address of the Client	
	kaguer-6
Mobile No.	8940913451
Email ID	Elcuri 1933 @ 8mail.10m
	SAMPLE DETAILS
Type of Sample given	Convere cube
No. of. Sample given	Ψ"
Name of the Test Requested	Compression Text 23/2/23   9/3/23   6/3/23   0   0   0   0   0
Purpose of Testing	for Pooting, whom work
Test Report Hand over to	Mr. K. Kanri
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.	g,
I/We k. March, to my knowledge with assurance of go undertake the results are not to be characteristics.	declare that the above given information and sample given in sood sampling techniques without any concealed material therein. I also anged given by you.  Signature:
Consultancy Charges	Rs. 600/
Consultancy In-Charge	HoD/Civil 5.15 (2) 3/23





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/C	E/2022-23/91	DAT	E: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Quantity Received	: 22.02.2023 : 23 .03,2023 d : 1
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 <sub>1</sub>	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 areattained 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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. Autonomous





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT				
Report Ref. No: MKCE/CE/2022-23/89 DATE: 24.03.2					
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	Size of the Sample : 150 x 150 x 150 mm	luantity Received : 1			
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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1,	Sample A <sub>3</sub>	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).

✓ The given cube samples areattained 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: <u>balajiq.civil@mkce.ac.in</u> [Mobile: +91 8870881397. Wilder of The College of the College

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

www.mkce.ac.in



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/C	DA	TE: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentione	Quantity Receive	: 23 .03.2023			
Purpose of the work	Column Work					
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE - CUBE TEST					

#### RESULT:

S.No.	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 A₂	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 areattained 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. Balali,

AP/CIVII

Vorified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balajig.clvil@mkce.ac.ln |Mobile: +91 8870881397.

10111610

Re No. 88,89,01



## 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



**Consultancy In-Charge** 



Re. No. 88,89 A1

HoD/Civil

### MKCE CONSULTANCY SERVICES

#### DEPARTMENT OF CIVIL ENGINEERING

Date: 23 3 23

	CLIENT DETAILS (22/3/23)
Name of the Client	New Building
Address of the Client	Near Salem Bye pass road, Karur-6
Mobile No.	8940913457
Email ID	KKLEVI 333@ Smail. Lom
	SAMPLE DETAILS
Type of Sample given	& Concrete use
No. of. Sample given	\$ (1+1+1)
Name of the Test Requested	Compression Test 22/2/25/DOC (3) M30
Purpose of Testing	Roohing Would
Test Report Hand over to	Ma dr. Kartai
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	B,
I/We to my knowledge with assurance of go undertake the results are not to be cha	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also anged given by you.
27	Signature:
Consultancy Charges	R8. 450)—





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT					
Report Ref. No: MKCE/CE/2022-23/85 DATE: 14.03.20						
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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M20Quantity Receive Age of Concrete : 28 days as mentioned	Date of Testinged: 1				
Purpose of the work	Column Work					
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	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 D <sub>2</sub>	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:

. 40 400

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

Tested by – Mr. G. Balaji,

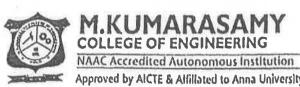
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

 Autonomous ...





Approved by AICTE & Alfillated 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/C	E/2022-23/84	DA	TE: 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M20Quantity Received Age of Concrete : 28 days as mentioned	d:1	: 03.02.2023 : 14.03.2023		
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 D <sub>1</sub>	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 isnot suitable for construction.

#### NOTE:

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

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

If you require any clarification, please contact

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



Name of the Client

Address of the Client

Type of Sample given

Mo. of. Sample given

Name of the Test Requested

Mobile No.

Email ID

KR

BO 1410. 84188

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 4/3/23

D.O.C: 3/2/23

**CLIENT DETAILS** 

Mr. Vinoth

8778289966

Concrete cube

Compression Test

2 (141)

SAMPLE DETAILS

Karur-6

		G: Mrs
		G: Mrs stengte
Purpose of Testing	Roof Concrete	***
Test Report Hand over to	Roof Concrete Kauthikegan, k.	
DECLARATION OF THE CLIENT	, 0	•
The Principal, M.Kumarasamy College of Engineer, Thalavaplayam, Karur - 639 113.  I/We	declare that the abo	ve given information and sample given is out any concealed material therein. I also
	*	Signature: L Oslev
Consultancy Charges	Rs.300/-	
Consultancy In-Charge	200 HORE	HoD/Civil a May 3/2

Pe . 10: 6H 185



## 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
		0
	Total Amount	300.00

14/03/2023

12:00:51 PM

Cashier - GAUHAMAN





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	E/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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentione	Quantity Received : 1
Purpose of the work	Beit beam work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 F <sub>1</sub>	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 areattained 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.

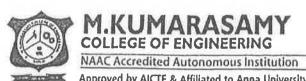
Tested by – Mr. G. Balaji,
AP/Civil

Verified by – HoD/Civil

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajiq.civil@mkce.ac.in</u> |Mobile: +91 8870881397.





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/C	E/2022-23/86	DATE: 14.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	3.1121 11100.2020
Client Ref. /Date	Letter Dated: 13.03.2023	
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 : 28 days as mentioned	Quantity Received : 1
Purpose of the work	Column Work	•
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE'- CURF TEST

#### RESULT:

S.No.	Cube Sample	Size (mm)	(kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample E <sub>1</sub>	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).

✓ The given cube samples areattained 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

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> [Mobile: +91 8870881397. Approved by - Principal



AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10,1999



	LTANCY SERVICES – DEPARTMENT O TEST REPORT		
Report Ref. No: MKCE/C		Ti	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Quantity Rece	ing : 13.03.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CURE T	FST

#### 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 D <sub>1</sub>	150x150x150	8.670	651	28.93	96.44	(100000)
2	Sample D <sub>2</sub>	150x150x150	8.540	780	34.67	>100	31.80

#### Reference (According to IS-456:2000):

Compressive Strength (16% in one day, 40% in 3 days, 65% in 7 days, 90 % in 1'4 days, 99% in 28 days). Remarks:

The given cube samples areattained 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. Balall, Verified by - HoD/CIvil Approved by - Principal AP/CIVII If you require any clarification, please contact

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







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/C	E/2022-23/ <b>82</b>	DATE: 14.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DPS:
Client Ref. /Date	Letter Dated: 13.03.2023	
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 : 14 days as mentione	Date of Casting : 26.02.2023 Date of Testing : 13.03.2023 Quantity Received : 1 d by the client
Purpose of the work	Footing Work	ja .
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE – 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 D <sub>1</sub>	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.

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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. M. Kumerasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113

PRINCIPAL,

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
		23 1
		- 12
	P3 4 4 A	
	Total Amount	750.00

14/03/2023 12:00:16 PM

Cashier - GAUTHAMAN



Name of the Client

Re. No. 82,83,86,87 10

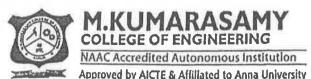
# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 13/3/2-3

CLIENT DETAILS

New Building

Address of the Client	Near salem Bye-pass mad, leasur-6,
Mobile No.	8940918451
Email ID	Elcuri1239@gmail.com
(d ====	SAMPLE DETAILS
Type of Sample given	Convere cube
No. of. Sample given	4-1
Name of the Test Requested	Compression rest   D.oc   D.oc   26/2/23   12/2/23   12/2/23   12/2/23   12/2/23
Purpose of Testing	Rooting work
est Report Hand over to	K. Karthi
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.  I/Wek. karki to my knowledge with assurance of g undertake the results are not to be ch	declare that the above given information and sample given is
Consultancy Charges	A8. 750/—
Consultancy In-Charge	d. And Hod/Civil ~ 1/43/23





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/C	E/2022-23/80	11	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned	Quantity Rece	ng : 10.03.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBF TO	FST

#### RESULT:

S.No.	Sample	Size (mm)	(kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
_ I _	Sample D <sub>1</sub>	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 areattained 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.

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

www.mkce.ac.in

Near Salem Bye-pass road, banur-6





Name of the Client

Address of the Client

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 11/3/03

CLIENT DETAILS

New Building

Mobile No.	£94691845J
Email ID	KK civil 332@ 8mail.wm
2.5 MITTER - 1	SAMPLE DETAILS
Type of Sample given	Concrete cube
No. of. Sample given	1+)
Name of the Test Requested	Compression Test Doc = 25/2123
Purpose of Testing	footing water
Test Report Hand over to	t. Karthi
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	
I/We	
	Signature: A doubt
Consultancy Charges	78. 300  -
Consultancy In-Charge	HoD/Civil N. My 3/27



## 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





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	CE/2022-23/ <b>79</b>	DATE: 11.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	j 165
Client Ref. /Date	Letter Dated: 10.03.2023	
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	Quantity Received 1
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBF 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 D <sub>1</sub>	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).

✓ 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,

Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

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

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

Seal



## M.KUMARASAMY COLLEGE OF ENGINEERING

K

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

### Receipt

Ref. No.

2415

Date

13/03/202:

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
		3
-		
	Total Amount	150.00

13/03/2023

12:15:11 PM

Cashier - GAUTHAMAN



Name of the Client



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 10/3/23

### **CLIENT DETAILS**

New Building

Address of the Client	Near Salem	Bye-pass boal,	canu-b
Mobile No.	6940913451		
Email ID	KK Civil 333 @	2 8mail.com	4
and a succession of the succes	SAMPLE DETAIL	<u>.S</u>	*
Type of Sample given	Concrete whe	3	
No. of. Sample given	1	w	
Name of the Test Requested	Compression Tes	+ Doc: 33	23 M30
Purpose of Testing	Footing more.		24
est Report Hand over to	K. Karth:	*	-
DECLARATION OF THE CLIENT	10	· · · · · · · · · · · · · · · · · · ·	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	*	e above given informat	ion and sample given is
to my knowledge with assurance of go undertake the results are not to be cha	od sampling techniques	without any concealed	material therein. I also
		Sij	gnature: Konshi
Consultancy Charges	Pis 150/		4
Consultancy In-Charge	cos chris	HoD/Civil	1.15/13/27





### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	E/2022-23/7 <b>8</b>	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentione	Quantity Received : 1
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 D <sub>3</sub>	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 areattained 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, Approved by - Prihcipal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balaig.civil@mkce.ac.in">balaig.civil@mkce.ac.in</a> [Mobile: +91 8870881397.

Landing Self Co.





ISO 9001:2015 & ISO 14001:2015 Certifled 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/C	E/2022-23/77	DAT	E: 11.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		200 - 200 -
Client Ref. /Date	Letter Dated: 08.03.2023		
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 : 28 days as mentioned	Quantity Received	: 07.02.2023 : 08.03.2023 d : 1
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE'- 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 D <sub>2</sub>	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 areattained 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

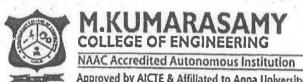
Approved by - Principal

if you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

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

COLLIGIO





# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/76	DATE:	11.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	1 27.1 -	11100.2.020
Client Ref. /Date	Letter Dated: 08.03.2023		
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	Date of Casting Date of Testing Quantity Received: by the client	: 26.02.2023 : 09.03.2023 1
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 D.	150x150x150	0.000	=0.0			(willing)
	Carriple D2	13021302130	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).

✓ The given cube samples areattained 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: <u>balajiq.civil@mkce.ac.in</u> |Mobile: +91 8870881397. Autonomous Autonomous



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/C	E/2022-23/ <b>75</b>	DATE: 07.03.2023
Client Details	Mr.N.Vinoth, Salem Bye-Pass Road, Karur -6. Mobile: +91 9843086906, Email: vimalnathle	
Client Ref. /Date	Letter Dated: 06.03.2023	
Report Handover to	Mr.N.Vinoth	
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M20 Age of Concrete : 28 days as mentioned	Quantity Received: 1
Purpose of the work	Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 D <sub>1</sub>	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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

RENO:



## M.KUMARASAMY COLLEGE OF ENGINEERING



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

### Receipt

Ref. No.

2368

Date

08/03/202:

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 - GAU'

ISO 9001:2015 Certified Institution Thalavapalayam, Karur, Tamilnadu. Re. NO: 15

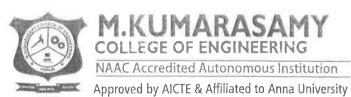


# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 6/3/23

### CLIENT DETAILS

Name of the Client	N. Vinoth
Address of the Client	Salem Byemss soad, barnir.
Mobile No.	984308690b
Email ID	vimalnatakn@gonail.com
	SAMPLE DETAILS
Type of Sample given	Congete cube
No. of. Sample given	01
Name of the Test Requested	Compression Test Doc: 3/2/03
Purpose of Testing	Site Work
Test Report Hand over to	Mr. Saban'nathan,
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineers Thalavaplayam, Karur - 639 113.  I/Weto my knowledge with assurance of undertake the results are not to be constant.	declare that the above given information and sample given is
	Digitality Aller
Consultancy Charges	Rg 150)
Consultancy In-Charge	HoD/Civil V/2/3/25





## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/C	E/2022-23/ <b>74</b>		DATE	: 07.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	*		. 07.03.2023
Client Ref. /Date	Letter Dated: 07.03.2023			
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	Date of Cas Date of Tes Quantity Re by the client	sting eceived	: 26.02.2023 : 07.03.2023 I : 1
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TF - CURE	TEGT	

### KESULT:

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 D <sub>1</sub>	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:

### 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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397.

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





### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/73	DA	ATE: 07.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		
Cilent Ref. /Date	Letter Dated: 07.03,2023		
Report Handover to	Mr.K.Karthi	- the state of the	
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentione	Quantity Receive	g : 07.03.2023
Purpose of the work	Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TES	ST

### 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 D <sub>1</sub>	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 areattained 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.

17 July 8 37 5

Tested by - Mr. G. Balaji, AP/Civil 1. 1/8/3/23

Verified by - HoD/Civil

Approved by - Principal

If you require any clarification, please contact

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



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/C	E/2022-23/ <b>72</b>		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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 9 days as mentioned	Quantity Red	ting	: 25.02.2023 : 07.03.2023 : 1
Purpose of the work	Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE T	FST	

### **RESULT:**

S.No.	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 D <sub>1</sub>	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).

✓ 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

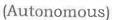
If you require any clarification, please contact

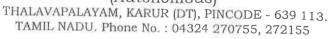
Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> [Mobile: +91 8870881397. Autonomous Seal

# Re. No: 70,73,74,76,77,78



## M.KUMARASAMY COLLEGE OF ENGINEERING







### Receipt

Ref. No.

2369

Date

08/03/202:

Rec. No.

722/22-23

Account

COLLEGE A

Payee Name

NEW BUILDING

Payment Type

Regular

S.No	Particula	rs	Amount(Rs.)
1	CUBE TEST		900.00
		ť	
	Total Amount		900.00

08/03/2023

10:15:56 AM

Cashier - GAUTHAM



Name of the Client



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 07/03/23

CLIENT DETAILS

New Building

Address of the Client	Near Salem By	e-pass no	ab, kovini	<i>-</i> -'6
Mobile No.	8940913451			
Email ID	kk Unil 333@ g	mall.com		
S. S.	SAMPLE DETAILS			
Type of Sample given	Complete Cube			¥
No. of. Sample given	\$ 6 C1+3+9	)		
	Compression Trest	Doc	Dbc	DOC
Name of the Test Requested	Compression Trest	26/2/23	612123	25/2/23
			M36 (in	dividual report
Purpose of Testing	Rooting fronk			
Test Report Hand over to	k. karthi	15.		
DECLARATION OF THE CLIENT	1.X 1.2. 97.907.			
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/We karthi to my knowledge with assurance of go undertake the results are not to be cha	declare that the	above given in without any cor	ncealed mat	nd sample given is erial therein. I also ure:
			10	
Consultancy Charges	Rs. 900/-			
Consultancy In-Charge	1 de la	HoD/Civi	1 ~ ~	m/2/3/27





### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT	
022-23/71	DATE: 03.03.2023
New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	4
Letter Dated: 03.03.2023	M = 0 M
Mr.K.Karthi	
Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned	Quantity Received : 2
For Site Work	A 15
COMPRESSIVE STRENGTH OF CONCRE	TE – CUBE TEST
	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.  Letter Dated: 03.03.2023  Mr.K.Karthi  Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentioned For Site Work

### **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 D <sub>1</sub>	150x150x150	8.800	632	28.09	93.63	00.70
2	Sample D <sub>2</sub>	150x150x150	8.600	662	29.42	98.07	28.76

### 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.

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

Tested by – Mr. G. Balaji, AP/Civil

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

W. Kumarasamy Coliege of Engineering, THALAVAPALAYAM, KARUR = 639 113

Seal



### 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
	=	
	: en	
	а	17
	Total Amount	300.00

03/03/2023

2:56:55 PM

Cashier - GALTHAMAN



Name of the Client



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 08/03/23

**CLIENT DETAILS** 

New Building

Address of the Client	Near Salem By	e-pass mad, kapurs	6
Mobile No.	8940913457		
Email ID	kkavil 823@ om	nail. com	
29	SAMPLE DETAILS	·	
Type of Sample given	Concrete cube	1 1	
No. of. Sample given	2	elf	V. 76
Name of the Test Requested	Compression Test	Doc: 1972/23	:-
Purpose of Testing	Site Work	> >	Я
est Report Hand over to	K. Carki		<u></u>
DECLARATION OF THE CLIENT		7.00	
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.  I/We kortu  to my knowledge with assurance of go undertake the results are not to be cha	declare that the above	ve given information and out any concealed mater Signatur	rial therein. I also
Consultancy Charges	\$13 300 F		8
Consultancy In-Charge	2 Johns	HoD/Civil #	1,1/337





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/C	CE/2022-23/ <b>70</b>		DATE	: 02.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		DAIL	. 02.03.2023
Olient Ref. /Date	Letter Dated: 02.03.2023		10.1	
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 : 28 days as mentioned	Quantity Re	sting eceived	: 02.02.2023 : 02.03.2023 : 1
Purpose of the work	For Column Work	•		
Type of Test	COMPRESSIVE STRENGTH OF CONCRET	F - CURE	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
1	Sample D₁	150x150x150	0.210	700			(N/mm²)
	Campic D <sub>1</sub>	13001300130	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).

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

NUIE:

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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397. PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal



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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

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	CIVIL ENGINEERING
Report Ref. No: MKCE/C	E/2022-23/ <b>69</b>	DATE: 02.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DATE: 02.03.2023
Client Ref. /Date	Letter Dated: 02.03.2023	U.
Report Handover to	Mr.K.Karthi	
Sample Details	Size of the Sample : 150 x 150 x 150 mm	Quantity Received + 2
Purpose of the work	For Column & Footing Work	9
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	E _ CURE 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 D <sub>1</sub>	150x150x150	9.070	511	22.71	75.70	(14/111111)
2	Sample D <sub>2</sub>	150x150x150	8.890	496	22.04	73.48	22.38

### 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 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

п you require any clarification, please contact

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

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |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.

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



Name of the Client

Address of the Client

Mobile No.

Email ID

Thalavapalayam, Karur, Tamilnadu.

Re. NO: 691



## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 02/3/23

**CLIENT DETAILS** 

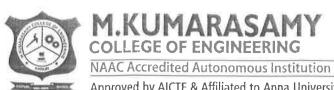
Building

Near Salem Bye-pass road, learn-6.

Now

8940913451

Email ID	KK C(vi) 333 @ gmail.com
11	SAMPLE DETAILS
Type of Sample given	Concrete Lube
No. of. Sample given	2+1:
Name of the Test Requested	Compression Test  DOC - 3/2/0-3  DOC - 3/2/0-3  DOC - 3/2/0-3
Purpose of Testing	Pooking, Column
Test Report Hand over to	Pooking, Column Kilcangeri
ECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	
to my knowledge with assurance of a undertake the results are not to be ch	good sampling to shall say to given in the morniauton and sample given is
	Signature: J. Joude
Consultancy Charges	Rs. 450)-
Consultancy In-Charge	HoD/Civil 1 23372
¥ 100 €	





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/0	DE/2022-23/68		DATE	: 02.03.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	,= ·		1
Client Ref. /Date	Letter Dated: 01.03.2023			).
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 : 28 days as mentioned	Quantity R	sting eceived	: 01.02.2023 : 01.03.2023 I : 3.
Purpose of the work	For Footing Work	•	+0	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CURE	TFCT	

### **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 D <sub>1</sub>	150x150x150	8.280	685	30.44	>100	(**************************************
2	Sample D <sub>2</sub>	150x150x150	8.450	735	32.67	>100	31.29
3	Sample D <sub>3</sub>	150x150x150	8.340	692	30.76	>100	31.29

### 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, Verified by - HoD/Civil AP/Civil Approved by - Principal 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 - 639 113

Seal





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	F CIVIL ENGINEERING
Report Ref. No: MKCE/0	CE/2022-23/67	
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DATE: 02.03.2023
Client Ref. /Date	Letter Dated: 01.03.2023	
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	Date of Casting : 22.02.2023 Date of Testing : 01.03.2023 Quantity Received : 3 by the client
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE CUPE 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
1	Sample D <sub>1</sub>	150x150x150	8.240	458	20.20	07.0-	(N/mm²)
2	Sample D <sub>2</sub>	150x150x150			20.36	67.85	
				524	23.29	77.63	21.45
3	Sample D₃	150x150x150	8.890	466	20.71	69.04	21.45

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

3/3/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. M. Kumarasamy College of Engineering, THALAVAPALAYAM,

KARUR - 639 113

Seal

Re.No: 67,68



# M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)
THALAVAPALAYAM KARUR (DT), PINCODE, 639 113.
TAMIL NADU, Phone No. 04324 270,756, 272155



Ref. No.

2327

Date

01/03/2023

Rec. No.

695/22-23

Account

COLLEGE A/(

Payee Name

NEW BULIDING

Payment Type

Regular

0 1			
S.No	b	Particulars	Amount(Rs.)
1	CUBE TEST		900.00
	Total Amount		900.00

01/03/2023 + 12:23:55 PM

Cashier - GAUTH MAN



Name of the Client

Address of the Client

Mobile No.

Email ID

Re. No: 1816

Near Jalen Bye-pass socie, I cam-6



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 01/03/2023

CLIENT DETAILS

New Building

8940913457

SAMPLE DETAILS

ka chi 333a Smail com

Type of Sample given	Consele cube
No. of. Sample given	442-313
Name of the Test Requested	Compression rest Dioc - 22/43 /12/23 (3)
Purpose of Testing	Pooling will
Test Report Hand over to	fr. Lann
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/Wek	declare that the above given information and sample given is od sampling techniques without any concealed material the win. It is
Consultancy Charges	Rs 900)
Consultancy In-Charge	HoD/Civil 13/13/13





MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	CIVIL ENGINEERING			
Report Ref. No: MKCE/C	CE/2022-23/66	1			
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DATE: 01.03.2023			
Client Ref. /Date	Letter Dated: 27.02.2023				
Report Handover to	Mr.K.Karthi				
Sample Details	Grade of Consent 150 x 150 x 150 mm	Date of Casting : 12.02.2023 Date of Testing : 27.02.2023 Quantity Received : 4			
Purpose of the work	For Footing Work	, and short			
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
1	Sample D₁	150x150x150	8.083	684	30.40	>400	(N/mm²)
2	Sample D <sub>2</sub>	150x150x150	8.522	700		>100	
3				700	31.11	>100	6:
3	Sample D <sub>3</sub>	150x150x150	8.450	729	32.40	>100	31.32
4	Sample D <sub>4</sub>	150x150x150	8.470	700		-100	
	22 7 10 10		0.470	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).

✓ 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: <u>balajig.civil@mkce.ac.in</u> |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/0	DE/2022-23/ <b>65</b>		DATE	7.04	
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	*	DATE	E: 01.03.2023	
Client Ref. /Date	Letter Dated: 27.02.2023				
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 : 28 days as mentioned	Date of Ca Date of Te Quantity R	sting eceived	: 29.01.2023 : 27.02.2023 d : 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/mm²)	% Strength Attained	Avg. Compressive strength
1	Sample D <sub>1</sub>	150x150x150	8.540	727	32.31	h 400	(N/mm²)
2	Sample Do	150x150x150	0.040		32.31	>100	04.00
80 = -	Gampie D2		8.610	812	36.09	>100	34.20

## 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).

✓ 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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR • 639 113
Seal



# M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE 1, 639 (1/3)
TAMIL NADW Phone No. 04824 270755 -272155

Receipt

Ref. No.

2330

01/03/2023

Rec. No.

698/22-23

Accommi

COLLEGE A

Payee Name Payment Type

NEW BUILDING

Regular

S.No Particulars Amount(Rs.) CUBE TEST 900.00 Total Amount 900.00

4:05:29 PM

Ofshier GAUTHAM



Name of the Client

Address of the Client

Mobile No.

RENOI 15/1

Near Salem Bye-pass boad, Kanr-b



ISO 9001:2015 Certified Institution Thalavapalayam, Karur, Tamilinadu.

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 27/02/23

**CLIENT DETAILS** 

New Building

8940913451

Email ID	Civissa @gmail.a	ο <b>Υ</b> ) ,				
X	SAMPLE DETAILS	9.7				
Type of Sample given	Concrete cube	VV.	· ·			
No. of. Sample given	4+2		· c .			
Name of the Test Requested	Compression Teat	Pol:29/1123 (D) Mso	12/2/23 P M30			
Purpose of Testing	Poorting	in the	1			
Test Report Hand over to	ts. Karthi					
<b>DECLARATION OF THE CLIENT</b>						
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.		9 -a 1				
I/We kearth 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/		e vii			
Consultancy In-Charge	000	HoD/Civil	0.13 3/2			



# M.KUMARASAM COLLEGE OF ENGINEERING

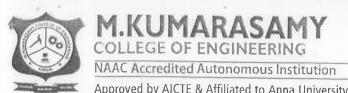
NAAC Accredited Autonomous Institution

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



Report Ref. No: MKCE/0	CE/2022-23/ <b>64</b>	DATE: 24.02.2023
	Mr.K.Kaniraj,	4
Oli t D - t - !! -	Municipality Commissioner,	Ω 0
Client Details	Pugalur Municipality, Velayuthampalayam Post,	
* v	Pugalur (TK), Karur. Email: commr.pugalur@gm	nail.com
Client Ref. /Date	Ref.No.12/2022-F1; Letter dated: 17.02.2023	
6	Mr.S.Navaneethakrishnan,	
Dan auf Hau dii ya ta	D.No. 45, Sakthi Nila Garden,	
Report Handover to	Vadivelampalayam,	
	Pugalur (TK), Karur.	
	Ward No. 18, Punjaipugalur (North) Village,	
Plet Details	SF.No. 579/18C & 579/18D,	
Plot Details	Pugalur Municipality,	
	Karur.	
Based on the insp	pection carried out on 24 <sup>th</sup> February 2023, 11.30 am	by the faculty team a

Checked by –  Mr. G. Balaji, AP/Civil  Mr.R.Vetturayasudharsanan,  AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, ple Consultancy In-Charge, Departmental: baiajig.civil@mkce.ac.in	AUTONOMOUS Seal	



R

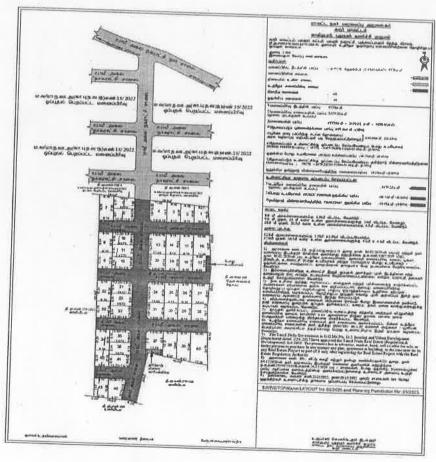
Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

### Inspection Report

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.



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Fig. 1 Approved residential layout



# M.KUMARASAMY COLLEGE OF ENGINEERING

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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	Туре І	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



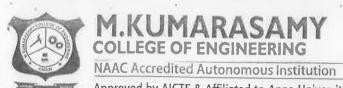
Fig. 2 Road width and cross section measurement

### 2. Storm water drains

Storm water drains were provided on both the sideof the roadshaving 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



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### 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.

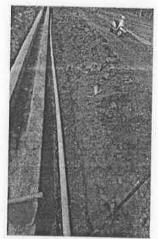


Fig. 6 Water line layout

### 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.



Fig. 7 Receipt for TNEB Connection

A copy out 2/2 3 month atos

Prepared by

Verified by

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

Hamlashm,

Approved by

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



# M.KUMARASAMY COLLEGE OF ENGINEERING

R

(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
9			
İ			
1			
	Total Amount		5000.00

24/02/2023

3:57:58 PM

Cashier - GAUTHAMAN



Name of the Client

KR

## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

24/02/23 Date:

**CLIENT DETAILS** 

Name of the Client	Ma. K. Kanîraj
Address of the Client	Municipality Commissioner, Pygalar (Tr), Kann.
Mobile No.	99422-84440
Email ID	Commy Pugalur @ Smail. com
	SAMPLE DETAILS
Type of Sample given	
No. of. Sample given	
Name of the Test Requested	Third party Inspection
8 * 1 * * * * * * * * * * * * * * * * *	
Purpose of Testing	
Test Report Hand over to	Me. Navaneorna buikhnan. S
DECLARATION OF THE CLIENT	The state of the s
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	
I/We Navaneshakrishn to my knowledge with assurance of go undertake the results are not to be cha	declare that the above given information and sample given is od sampling techniques without any concealed material therein. I also inged given by you.
W W	Signature, V Col
Consultancy Charges	Bs. 5000/-
Consultancy In-Charge	HoD/Civil 25 24/2/27





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

Deport D. C.N. 1940	TEST REPORT	F CIVIL ENGINEERING
Report Ref. No: MKCE/0		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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Quantity Received 1
Purpose of the work	For Footing Work	- by the onem
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TF _ CURE 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
1	Sample D₁	150x150x150	0.540				$(N/mm^2)$
	Campio B1	19071307130	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.

A 0 2012/23

Tested by – Mr. G. Balaji, AP/Civil 1.12/24/2/23

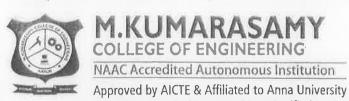
Verified by - HoD/Civil

Approved by Principal

TARUR-839

If you require any clarification, please contact

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



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/C	E/2022-23/ <b>62</b>		DATE: 24.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	e	
Client Ref. /Date	Letter Dated: 24.02.2023		
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	Quantity Re	ting : 24.02.2023
Purpose of the work	For Column Work		6
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE 1	EST

## **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 D <sub>1</sub>	150x150x150	8.892	517	22.98	76.59	
2	Sample D <sub>2</sub>	150x150x150	8.446	459	20.40	68.00	21.69

#### 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.





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

### Receipt

f. No.

-

Date

24/02/2023

Rec. No.

678/22-23

'Account

COLLEGE A/C

Payee Name

NEW BUILDING

Payment Type

Regular

S.No	Particulars .	Amount(Rs.)
1	CUBE TEST	450.00
9		
•	Total Amount	450.00

4

24/02/2023

3:59:23 PM

Cashier - GAUTHAMAN

Thalavapalayam, Karur, Tamilnadu.

Name of the Client

Re. No: 12165



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 242/23

**CLIENT DETAILS** 

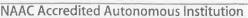
New

Building

Address of the Client	Near Salem Bye-po	iss boad, kanny	-6
Mobile No.	894091845)		
Email ID	KKedvil 833@ om	Q) (000	
1	SAMPLE DETAILS	GII. (2017)	-
Type of Sample given	Concrete cube		
No. of. Sample given	2+1		
9	Compression Test	D.oc: 17/21 22	
Name of the Test Requested		- Column (B)	D. O. C - 27/1/23
F 11 g)	Compression Trest	M30	fooling ()
Purpose of Testing	Blum & Johns	Work	
Test Report Hand over to	to carthi		
DECLARATION OF THE CLIENT			
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.	g,	8	
I/We k. kauki to my knowledge with assurance of go undertake the results are not to be cha	JUU SAIIIIIIIIU TECHNIMIIGE WIIFK	out any concealed m	a and sample given is aterial therein. I also
Consultancy Charges	Rs. 4501	e e	¥
Consultancy In-Charge	20 January	HoD/Civil -4	Expersion.
14.5	12		5 / 5 /



# COLLEGE OF ENGINEERING



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

# H	TEST REPORT			
Report Ref. No: MKCE/CI	=/2022-23/61		DATE	: 24.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.			1102.2020
Client Ref. /Date	Letter Dated: 23.02.2023			
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 : 14 days as mentioned	Quantity R	esting eceived	: 09.01.2023 : 24.02.2023 d : 4
Purpose of the work	For Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TF CURE	TEST	1

## 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
1	Sample D <sub>1</sub>	150x150x150	8.525	677	30.08	>100	(N/mm²)
2	Sample D <sub>2</sub>	150x150x150	8.440	714	31.73		
3	Sample D <sub>3</sub>	150x150x150	8.760			>100	29.98
4				659	29.28	97.63	20.00
4	Sample D <sub>4</sub>	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

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.KUMARASAM



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 EN

	TEST REPORT	F CIVIL ENGINEERING
Report Ref. No: MKCE/C	E/2022-23/ <b>60</b>	DATE OF S
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DATE: 24.02.2023
Client Ref. /Date	Letter Dated: 23.02.2023	.0
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 : 28 days as mentioned	Quantity Received 2
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE CURE TOOT

### 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
1	Sample D <sub>1</sub>	150x150x150	8.089	729	22.40		(N/mm²)
- 2	Sample D <sub>2</sub>	150x150x150			32.40	>100	
		130x130x150	8.524	731	32.49	>100	32.44

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

## 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.



(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/(

Payee Name

**NEW BUILDING** 

Payment Type :

: Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	900.00
	Ang.	
10	y <sub>0</sub>	
i	Total Amount	900.00

24/Q2/2023 4:00:36 PM

Cashier - GAUTHAMAN



Name of the Client

Mobile No.

Address of the Client



Re Number boyal

New Jalem Bye-pass road, kann b

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

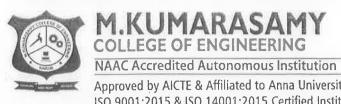
Date: 232/23

**CLIENT DETAILS** 

New Building

8940913451

Email ID	KIECINI 233@	om all. way	
	SAMPLE DETAI		
Type of Sample given	Concrete cube	X I I	£
No. of. Sample given	4+2	<del></del>	1) S
Name of the Test Requested	Compression 78	DOL-26)  M20	1123 DOC-9/2/23 M20
Purpose of Testing	Pooting	8	
Test Report Hand over to	Mrck. Karthi		
DECLARATION OF THE CLIENT	15		
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	5,		
I/We <u>K. Karks</u> to my knowledge with assurance of go undertake the results are not to be cha	ion sammindi tecumiana	s without any concealed	ion and sample given is I material therein. I also
Consultancy Charges	Rs. 900)		
Consultancy In-Charge	20 34262	HoD/Civil	v. May 2/23
*	7		





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/C	E/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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentioned	Date of Ca Date of Te Quantity R	esting deceived	: 25.01.2023 : 23.02.2023 d : 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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample D <sub>1</sub>	150x150x150	8.400	742	32.97	>100	( )
2	Sample D <sub>2</sub>	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).

✓ 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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397.



R

(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/(

Payee Name

NEW BUILDING

Payment Type

Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
e alle	7	
		" -
4	Total Amount	300.00

24/02/2023 4:01:23 PM

Cashier - GAUTHAMA



Name of the Client

KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 28/2/23

**CLIENT DETAILS** 

New Building

Address of the Client	wedr Salam Bye-pa	is onad, kamr-b
Address of the Cheft	27 90	* ·
	13	
Mobile No.	8940913451	
Email ID	KK civil 333 @ Amai	l.tom
	SAMPLE DETAILS	
Type of Sample given	Concrete case	
No. of. Sample given	2_	
Name of the Test Requested	Compression rest	D.oc: 271123 M30
X		
Purpose of Testing	Footing	* * *
Test Report Hand over to	Mr. K. Karthi	
DECLARATION OF THE CLIENT		1
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	5,	a · · · · · · · · · · · · · · · · · · ·
I/We K,karth to my knowledge with assurance of go undertake the results are not to be cha	declare that the abov od sampling techniques witho nged given by you.	e given information and sample given is ut any concealed material therein. I also Signature:
Consultancy Charges	Rs. 3001	9 -
Consultancy In-Charge	000 2710 P3	HoD/Civil 24/2/2)
	V .	1111





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/0	DE/2022-23/58	DATE: 22.02.2023			
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	4			
Client Ref. /Date	Letter Dated: 21.02.2023				
Report Handover to	Mr.K.Karthi				
Gampie Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm. Grade of Concrete : <b>M30</b> Age of Concrete : 28 days as mentioned	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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)	
1	Sample D <sub>1</sub>	150x150x150	8.310	587	26.09	86.96	(14/111111)	
2	Sample D <sub>2</sub>	150x150x150	8.240	648	28.80	96.00	27.44	

# 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).

✓ 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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113

Seal





(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/(

Payee Name

**NEW BUILDING** 

Payment Type : Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
make.		
6	Total Amount	300.00

24/02/2023 4:00:57 PM

Cashier - GAUTHAMAN



Name of the Client

Address of the Client

Thalavapalayam, Karur, Tamilnadu.

KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

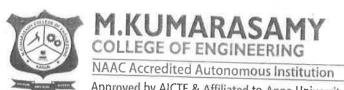
Date: 21/2/23

**CLIENT DETAILS** 

Nega Salam Bye-pass Road, leasur-6

New Building

8940913457  KK Cirl 333 @ gmail.wm  SAMPLE DETAILS  Concrete whe
SAMPLE DETAILS
SAMPLE DETAILS
Concrete cube
The state of the s
2
Compression Test Doc: 29/1123 M30
Footing No ele
Mrs. K. kayel
declare that the above given information and sample given is ood sampling techniques without any concealed material therein. I also anged given by you.
Rs. 3001-
HoD/Civil 29 24/27
)

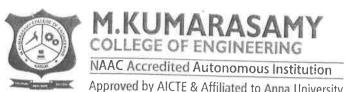




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# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

MRCECO	NSULTAN	CY SERVICES – DEPARTMENT O	F CIVIL ENGINEE	RING		
PROPOSED	RESIDENT	TAL LAYOUT - THIRD PARTY IN	SPECTION CERT	IFICATE		
Report Ref. No: MKCE/CE/20	)22-23/57			DATE: 24.02.2023		
	Mr.K.	Caniraj,	- 4			
Client Details		pality Commissioner,				
	Pugalu	r Municipality, Velayuthampalayam	Post			
	Pugalur (TK), Karur Email: commr.pugalur@gmail.com					
Client Ref. /Date	Ref.No.	1187/2022/F1; Letter dated: 10.02.2	023			
<u> </u>	Mr.M.	Gunasekaran and Suresh,				
Report Handover to	D.No. 3	/37, Karaipalayam,				
		nur Post,				
	Pugalu	r, Karur.				
	Ward N	o. 16, Sembadapalayam, Punjaipug	alur (North) Village			
Plot Details	SF.No. 278/3A,3C					
		Pugalur Municipality,				
	Karur.					
residential layout for the pro-	vision of bas	out on 21stFebruary 2023, 3.00 pm sic amenities, the observations foun	d were provided in	the enclosed report.		
Tested by Mr. D. Mulsosh G		32.	100000	my24/1/13		
Tested by – Mr. P. Mukesh 8		Verified by ~ HoD/Civil				
P. Srinivasan, AP/Civi		ii	Approved	by - Principal		
f you require any clarification	, please con	tact	A MUIO	EGE OF C		
Consultancy In-Charge, Depar	tment of Civ	/il Engineering	OTUM E	HOMOUS)		
mail: balajig.civil@mkce.ac.in		=				
	16	0 9		IR-630113		
			L	Seal		





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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. 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 21stFebruary2023, 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.

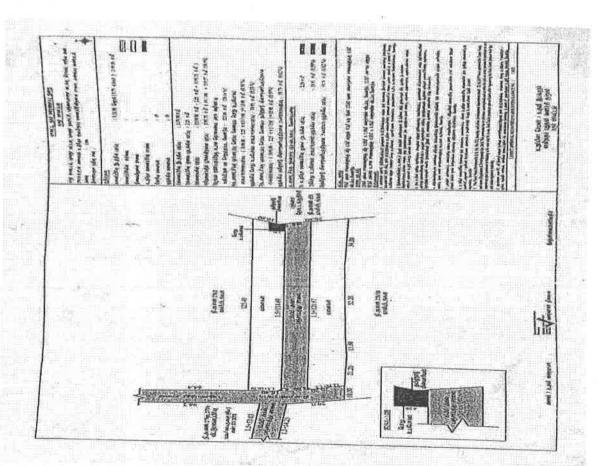


Fig. 1 Approved residential layout



R

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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.

	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 bothsidesof the roadhaving side wall width 23 cm, drainage width 40 cm and depth of the drain is about 42 cm.

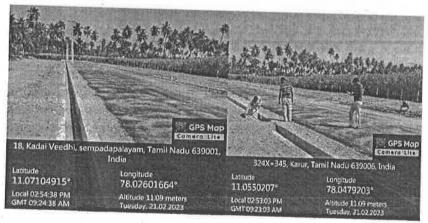


Fig. 3 Storm water drain measurement.

R

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#### 3. Culverts

Culverts were provided with splay length of 3.35 m on the road junctions over the storm water drainshaving a width of 0.77 m and the thickness of culvert slab is found to be 145 mm.



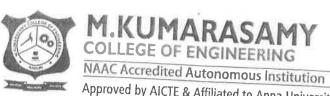
Fig. 4 Culvert measurement

#### 4. Fencing of Park and reserved site

Chain link fencingis 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



KR

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# 5. Water supply

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

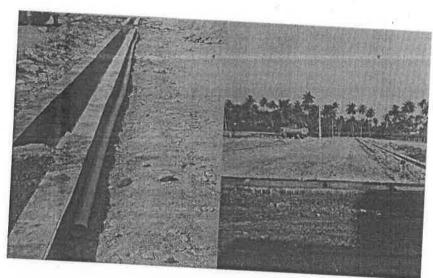


Fig. 6 Water supply Lines

# 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

Prepared by

Verified by

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

Approved by

M. Kumarasaway Doden - J. Englineering. THALAVAPALAYAM,

KARUR - 639 113

# Re. NO: 5%



# 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

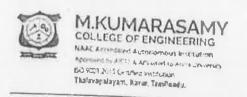
Mr.K.Kaniraj

Payment Type

Regular

S.No	Part	ticulars		A	mount(Rs.)
1	Third Party Inspection	on Survey	-144	- Address	5000,00
33500	Total Amount		*		5000.00

24/02/2023 2:53:19 PM Cashier - GAUZHAMAN



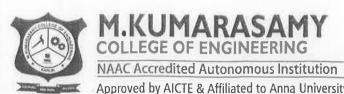
The second second



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 21/02/23

Name (c) (c)	CLIENT DETAILS				
Name of the Client	Mr. K. Kani Raj				
Address of the Client	Manager/commissioner Pugalur, velayaudhampalayam(Post), Pugalur, Karur-639117				
Mobile No.	9842456155				
Email ID	Commr. Pugalur@gmail.com				
	SAMPLE DETAILS				
Type of Sample given	The state of the s				
No. of. Sample given	-				
Name of the Test Requested	Third parky Inspection - Surrey				
Purpose of Testing	-				
Test Report Hand over to	oort Hand over to Mr. M. Grunasekaran				
DECLARATION OF THE CLIENT					
To The Principal, M.Kumarasamy College of Enginee Thalavaplayam, Karur - 639 113.  I/WeMrCures to my knowledge with assurance of undertake the results are not to be	declare that the above given information and sample given				
Consultancy Charges	R\$ 5000/-				
Consultancy In-Charge	HoD/Civil V.1 - July 23				
And a settle processor of	M.K.G.E. M.K.G.E. M.K. KARUR.				



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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

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

<u> </u>	TEST REPORT					
Report Ref. No: MKCE/C	E/2022-23/ <b>56</b>	4	DATE	E: 21.02.2023		
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	10	37(11)	21.02.2023		
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 : 14 days as mentioned	Date of C Date of T Quantity by the cli	esting Received	: 06.02.2023 : 20.02.2023 d : 3		
Purpose of the work	For Footing Work			2		
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
1	Sample D₁	150x150x150	8.592	638	28.36	04.50	(N/mm²)
2.	Sample D <sub>2</sub>	150x150x150	8.446	689		94.52	
3				009	30.62	>100	28.95
	Sample D <sub>3</sub>	150x150x150	8.427	627	27.87	92.89	

# Reference (According to IS-456:2000):

#### 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

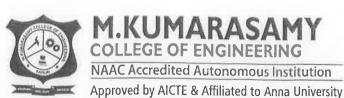
Approved by – Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. Approved by - Principal

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

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



KR

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/0	DE/2022-23/55	DATE: 21.02.2023		
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	1		
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	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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample D <sub>1</sub>	150x150x150	8.386	610	27.11	90.37	(IIIIIIII)
2	Sample D <sub>2</sub>	150x150x150	8.273	578			26,40
		1 10 150		370	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.

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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR • 639 113
Seal

Re No: 45140



# M.KUMARASAMY COLLEGE OF ENGINEERING

ING R

(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

BERNAN AMERICA	· 杨霞空放。	Particulars	Amount(Rs.)
T	CUBE TEST		750.00
		*	
		8 - 100	

21/02/2023 11:04:05 AM

Cashier - GAUTHAMAN



Name of the Client



Re No. 55,56

Salem Bye-pass Road, Kasue-6

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 20/2/23

# CLIENT DETAILS

New Building

Near

Address of the Client			
Mobile No.	8940913451	<u> </u>	
Email ID	KIL civil 333 @gm	nail.lom	
	SAMPLE DETAILS		
Type of Sample given	Concrete cube		
No. of, Sample given	5 (3+2)		
Name of the Test Requested	CompressionTest	D.o.c. 12/2/23 12/2/23 130	D.oc: 612123 M30
Purpose of Testing	Pooting Work.		
Test Report Hand over to	Pooling Worl.  Mr k. Karthl		-
DECLARATION OF THE CLIENT			
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.	g,		
I/We k barthi to my knowledge with assurance of g undertake the results are not to be ch		vithout any concealed	
	W/ /21	Sig	natme
Consultancy Charges	Rs. 750/-	Jig	natine.



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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

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT				
Report Ref. No: MKCE/C	E/2022-23/54	DATE: 16.02.2023			
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	1			
Client Ref. /Date	Letter Dated: 16.02.2023				
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 : 14 days as mentione	Quantity Received : 1			
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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample D₁	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.

Tooled by Mr. C. Poleii

Tested by – Mr. G. Balaji, AP/Civil 1 1- July 23

Verified by - HoD/Civil

Show 916/1/23

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.

COLLEGE OF THE MATTON OMOUS SEE





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/C	E/2022-23/ <b>53</b>	DATE: 16.02.2023				
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	R.				
Client Ref: /Date	Letter Dated: 16.02.2023					
Report Handover to	Mr.K.Karthi					
Sample Details	Size of the Sample : 150 x 150 x 150 mm	Date of Casting : 09.02.2023  Date of Testing : 16.02.2023  Quantity Received : 4  by the client				
Purpose of the work	For Footing Work					
Typo 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 D <sub>1</sub>	150x150x150	8.620	615	27.33	91.11	
2	Sample D <sub>2</sub>	150x150x150	8.680	582	25.87	86.22	
3	Sample D <sub>3</sub>	150x150x150	8.800	518	23.02	76.74	25.01
4	Sample D <sub>4</sub>	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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.







# (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
pela C	A DE SANTA	
		F
	Total Amount	750.00

16/02/2023

4:08:51 PM

61

Cashier - GAUTHAMAN



Re. No. 4354

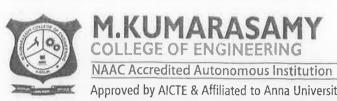
KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 16/2/23

**CLIENT DETAILS** 

Name of the Client	New Building
Address of the Client	Idem Bye-Pass road, karn-6
Mobile No.	E940913451
Email ID	KKCivil 333@ Smail. Lom
	SAMPLE DETAILS
Type of Sample given	Concrete cube
No. of. Sample given	4+)
Name of the Test Requested	Comp ression Test   G. M20 Rooting D Column. D Doc. 9/2/23 Doc - 2/2/23
Purpose of Testing	Por Josephine & Column Morn
Test Report Hand over to	Mr.k. Karti
<b>DECLARATION OF THE CLIENT</b>	
The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.  I/We	declare that the above given information and sample given is ood sampling techniques without any concealed material therein. I also
Consultancy Charges	Rs. 750)—
Consultancy In-Charge	HoD/Civil 4.1/14/20



KR

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	TOTAL ENGINEERING				
Report Ref. No: MKCE/C	DE/2022-23/ <b>52</b>	DATE: 14.02.2023				
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	D/ (12. 14.02.2025				
Client Ref. /Date	Letter Dated: 14.02.2023					
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 : 14 days as mentione	Quantity Received : 3				
Purpose of the work	For Site Work	9				
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 ,09	Sample D₁	150x150x150	8.520	576	25.60	85.33	(Willia)
2	Sample D <sub>2</sub>	150x150x150	8.550	604	26.84	89.48	26.33
3	Sample D <sub>3</sub>	150x150x150	8.590	597	26.53	88.44	20.33

# 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. (200)

Tested by – Mr. G. Balaji, AP/Civil 1.2 July 292

Verified by - HoD/Civil

Show \$16/2/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.







(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
post.			- ·
Anna Anna a	Total Amount		450.00

16/02/2023 4:08:29 PM

Cashier - GAUTHAMAN



Name of the Client

Address of the Client

KR

ReNo. 50

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

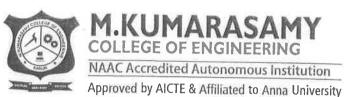
Date: 142123

**CLIENT DETAILS** 

Salem Byepass good, Hami-b

New Building

Mobile No.	8940913451		
Email ID	Ke airi 333@	Smail, wm	
	SAMPLE DETAI	LS	
Type of Sample given	Concrete cub	2	
No. of. Sample given	3		
Name of the Test Requested	Compression Tes.	DOL- Sie	0 1/2/23 -Mul.
Purpose of Testing	for Site would		-
Test Report Hand over to	tor Site would k. leasts		
DECLARATION OF THE CLIENT			
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.  I/Wek_byth.		na zhovo givon informat	tion and sample given is
to my knowledge with assurance of g	ou sampling technique	s without any concealed	non and sample given is I material therein. I also
undertake the results are not to be ch	anged given by you.		gnature: North
Consultancy Charges	Rs.2150)_		
Consultancy In-Charge	Jali.	HoD/Civil	v. Muly
	1/2/2/20		



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# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT				
Report Ref. No: MKCE/CE	E/2022-23/51		DATE:	13.02.2023	
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	4		*	
Client Ref. /Date	Letter Dated: 13.02.2023				
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	Quantity R	esting eceived	: 06.02.2023 : 13.02.2023 : 3	
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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample D <sub>1</sub>	150x150x150	8.496	542	24.09	80.30	(2000)
2	Sample D <sub>2</sub>	150x150x150	8.509	513	22.80	76.00	23 30
3	Sample D <sub>3</sub>	150x150x150	8.765	517	22.98	76.59	23.39

# 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.

h 000 000

Tested by – Mr. G. Balaji, AP/Civil 1. 12 / 3/2/23

Verified by – HoD/Civil

Dhum 13/2/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113.

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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

# MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/C	E/2022-23/50		DATE:	: 13.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	y d' •		1
Client Ref. /Date	Letter Dated: 13.02.2023			
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 : 14 days as mentione	Quantity R	esting Received	: 29.01.2023 : 13.02.2023 I : 2
Purpose of the work	For Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 D <sub>1</sub>	150x150x150	8.374	509	22.62	75.41	24.07	
2	Sample D <sub>2</sub>	150x150x150	8.553	574	25.51	85.04	24.07	

#### 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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> |Mobile: +91 8870881397.

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

Seal



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



Ref. No.

2233

Date

13/02/20:

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



Name of the Client

RE. NO: 50,57

KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 12/2/23

**CLIENT DETAILS** 

New Building

Address of the Client	Near Salem Bye-pass road, Camr-6.
Mobile No.	8940913451
Email ID	lekic civil obje grail.com
	SAMPLE DETAILS
Type of Sample given	Con Crete Cube
No. of. Sample given	3+2
Name of the Test Requested	Compression Test   Doc:   Doc   Doc   6/2/23   29/1/23   3/20
Purpose of Testing	Por footing wark
Test Report Hand over to	10. Icarthi
ELARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineerii Thalavaplayam, Karur - 639 113.	ng,
I/We <u>K. karth</u> to my knowledge with assurance of g undertake the results are not to be ch	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also nanged given by you.  Signature:
Consultancy Charges	RS. 750
Consultancy In-Charge	HoD/Civil V 1/12/01/23



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CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT			
Report Ref. No: MKCE/CE	E/2022-23/ <b>49</b>		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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentione	Quantity F	esting Received	: 27.01.2023 : 10.02.2023   : 1
Purpose of the work	For Footing Work			<u> </u>
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	ETE - CUB	E 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 D <sub>1</sub>	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, Approved by - Principal Verified by - HoD/Civil AP/Civil

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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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

#### MKCF CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

*	TEST REPORT	
Report Ref. No: MKCE/CI	E/2022 <b>-2</b> 3/ <b>48</b>	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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : <b>M30</b> Age of Concrete : 28 days as mentione	Quantity Received : 3
Purpose of the work	For Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - 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 D <sub>1</sub>	150x150x150	8.620	591	26.27	87.56	
2	Sample D <sub>2</sub>	150x150x150	8.460	623	27.69	92.30	26.84
3	Sample D <sub>3</sub>	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
S. Saray	1. 2 Kislalas	Bham Mapins

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL,
... Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 113.
Seal

Re. NO. 48149



# 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 - d



Address of the Client



Re 190' 48,49

## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

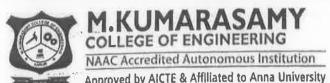
Date: 10/2/23

**CLIENT DETAILS** 

Salem bye-pass road, karm-6

New Building

Mobile No.	8940913451	
Email ID	/	
	KK avil 333@ gma	1. Lon
	SAMPLE DETAILS	
Type of Sample given	Con crete cube	1
No. of. Sample given	3+1	
Name of the Test Requested	Compression Test	G1: M30 Poeling -01   Column -03 DOC: 27/1123   DOC: 14/1123
Purpose of Testing	for pooring & Co	
Test Report Hand over to	Mr. K. K. asithi	x **
ECLARATION OF THE CLIENT		
To The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.	, ,	
I/WeMr. K. Karth to my knowledge with assurance of go undertake the results are not to be cha	declare that the about od sampling techniques withough mged given by you.	ye given information and sample given is out any concealed material therein. I also Signature:
Consultancy Charges	Rs. 6001-	
Consultancy In-Charge	D CONTY I	HoD/Civil 1. No Septers





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/C	E/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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 7 days as mentioned	Date of Casting : 02.02.2023 Date of Testing : 09.02.2023 Quantity Received : 1 I by the client
Purpose of the work	For Column Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TEST

#### RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample D <sub>1</sub>	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:

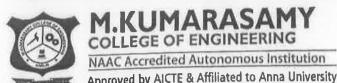
This report is given to the client based on the samples provided by them.

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



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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

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

· ***	TEST REPORT	
Report Ref. No: MKCE/C	E/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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 14 days as mentione	Quantity Received: 2
Purpose of the work	For Footing Work	* .
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CURE 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 D <sub>1</sub>	150x150x150	8.280	646	28.71	95.70	(20211111)
2	Sample D <sub>2</sub>	150x150x150	8.535	050		90.70	28,80
og ne	Cample D2	13021302130	0.000	650	28.81	96.30	20.00

#### 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.

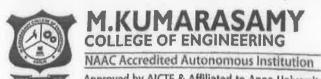
Email: balajig.civil@mkce.ac.in | Mobile: +91 8870881397.

Approved by – Principal

PRINCIPAL, Kumarasamy College of Engineering.

THALAVAPALAYAM, KARUR - 639 113

Seal





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

E/2022-23/45	DATE	: 08.02.2023
New Building, Near Salem Bye-Pass Road, Karur -8. Mobile: +91 8940913451	JUANE	00.02.2023
Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30	Date of Casting Date of Testing Quantity Received	: 12.01.2023 : 08.02.2023 : 3
For Footing Work	d by the client	
COMPRESSIVE STRENGTH OF CONCRET	TE CUIDE TEST	
	IEST REPORT  E/2022-23/45  New Building, Near Salem Bye-Pass Road, Karur -8. Mobile: +91 8940913451.  Letter Dated: 08.02.2023  Mr.K.Karthi  Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 28 days as mentione  For Footing Work	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.  Letter Dated: 08.02.2023  Mr.K.Karthi  Type of Sample : Concrete Cube Date of Casting Size of the Sample : 150 x 150 x 150 mm Date of Testing Grade of Concrete : M30 Quantity Received Age of Concrete : 28 days as mentioned by the client

#### RESULT:

S.No.	Cube Sample	Size (mm)	Weight of the sample (kg)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	
î	Sample D <sub>1</sub>	150x150x150		712		ritamed	$(N/mm^2)$
2	Sample D <sub>2</sub>				31.64	>100	
3				695	30.89	>100	24.06
3	Sample D <sub>3</sub>	150x150x150	8.465	689	30.62	>100	31.05

### 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

### Remarks:

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

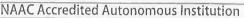
#### NOTE:

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

Tested by - Mr. G. Balaji, Verified by - HoD/Civil AP/Civil Approved by - Principal If you require any clarification, please contact

PRINCIPAL, Consultancy In-Charge, Department of Civil Engineering. Kumarasamy College of Engineering Fmail: balajig.civil@mkce.ac.in |Mobile: +91 8870881397. TRALAVAPALAYAM, KARUR - 639 113 Seal





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/C	E/2022-23/ <b>44</b>	DATE: 08.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451	DATE: 00.02.2023
Client Ref. /Date	Letter Dated: 08.02.2023	
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 : 14 days as mentione	Quantity Received : 2
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CURE TEST

#### REGULT:

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 8	Sample D <sub>1</sub>	150x150x150	8.385	709	31.51	>100	(147,111111)
2	Sample Da	150x150x150	8.290				30.49
		100/100/100	0.290	663	29.47	98.22	00.43

#### 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

7. Halalas

Verified by - HoD/Civil

Em 10/2/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |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/C	E/2022-23/ <b>43</b>	DATE	E: 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		v -
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	Quantity Receive	: 01.02.2023 : 08.02.2023 d : 6
Purpose of the work	For Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TEST	
page page page and a second			

#### 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 D <sub>1</sub>	150x150x150	8.235	519	23.07	76.89	
2	Sample D <sub>2</sub>	150x150x150	8.145	435	19.33	64.44	
3	Sample D <sub>3</sub>	150x150x150	8.485	522	23.20	77.33	
4	Sample D <sub>4</sub>	150x150x150	8.240	350	15.56	51.85	20.87
5	Sample D <sub>5</sub>	150x150x150	8.380	481	21.38	71.26	
O b	Sample D <sub>6</sub>	150x150x150	8.490	510	22.67	75.56	

#### Reference (According to IS-456:2000):

#### Remarks:

#### NOTE:

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

A 0 8 8 90 7

Tested by – Mr. G. Balaji, AP/Civil 1.15/9/2/23

Verified by - HoD/Civil

B 10/2/23

Approved by - Principal

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM,

KARUR - 639 113 Seal

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

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

<sup>√</sup> The given cube samples are attained the recommended compressive strength. So, the given mix is suitable for construction.



# COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERI

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/ <b>42</b>	DATI	E: 07.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	DAII	07.02.2023
Client Ref. /Date	Letter Dated: 07.02.2023		
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 : 14 days as mentione	Date of Casting Date of Testing Quantity Received by the client	: 24.01.2023 : 07.02.2023 d : 2
Purpose of the work	For Footing Work		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TF - CURE 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
1	Sample D <sub>1</sub>	150x150x150	8.325	609	27.07	00.00	(N/mm²)
2	Sample D.	150x150x150			27.07	90.22	07.00
	Cample D <sub>2</sub>	130X130X150	8.440	623	27.69	92.22	27.38

## 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

#### Remarks:

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

#### 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

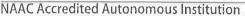
Consultancy In-Charge, Department of Civil Engineering. Email: balajig.civil@mkce.ac.in |Mobile: +91 8870881397. PRINCIPAL.

M. Kumarasamy Coilege of Engineering, THALAVAPALAYAM,

KARUR - 639 113

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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/CI	E/2022-23/ <b>41</b>	DATE: 07.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	7,102,12020
Client Ref. /Date	Letter Dated: 07.02.2023	
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 : 10 days as mentione	Date of Casting : 29.01.2023 Date of Testing : 07.02.2023 Quantity Received : 2 ed by the client
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE – CUBF TFST

#### **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 D <sub>1</sub>	150x150x150	8.420	585	26.00	86.66	(**************************************
2	Sample D <sub>2</sub>	150x150x150	8.525	647	28.76	95.85	27.38

#### 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,

l ested by – Mr. G. Balaji, AP/Civil 4. 8 / a/2/2

Verified by - HoD/Civil

Shund whis

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113

Seal





(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/(

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

Re NO: 46,47



## M.KUMARASAMY COLLEGE OF ENGINEERING



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

#### 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
	· ·	
1	3.	
		, ^ .
	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/(

Payee Name

NEW BUILDING

Payment Type

Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	1650.00
0	Total Amount	1650.00

10/02/2023 9:55:17 AM

Cashier - GAUTHAMAA



Address of the Client

Mobile No.

Email ID



DeNo: 41,40

## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 7/2/23

CLIENT DETAILS

Salem bye-pass road, learnb.

New Building

894091345

Email ID	12kcevil 333@ gmail com
	SAMPLE DETAILS
Type of Sample given	concufe abbe
No. of. Sample given	2+2
Name of the Test Requested	Bompression Test N. D.Oc., 24/1/23 MSO 14 days. HI D.OC: 29/1/23, M30 (10/7)
Purpose of Testing	Pooling work
Test Report Hand over to	Mr. K. Kauthi
DECLARATION OF THE CLIENT	
The Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/We Louth  to my knowledge with assurance of gundertake the results are not to be che	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also hanged given by you.
Consultancy Charges	Rs. 600/
Consultancy In-Charge	HoD/Civil 4.1/9/23
×	



Address of the Client

Type of Sample given

Mobile No.

**Email ID** 



Re. NO: 43,44, 45

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 8 2 23

**CLIENT DETAILS** 

Salem bye-pass mad, kanvib

New Building

8940913451

SAMPLE DETAILS

Concule luse

Icic civils@ Amail com

No. of. Sample given	11	
Name of the Test Requested	· CompressionTest	$\begin{array}{c} 1335 \rightarrow D0c - 12/1123 & M30 \\ 1305 \rightarrow D0c - 25/1123 & M30 \\ 1305 \rightarrow D0c - 12/23 \rightarrow M30 \end{array}$
	*	4365 > DX - 12/23 -> M30
Purpose of Testing	Rotig Worle	
Test Report Hand over to	Make Lanki	81
DECLARATION OF THE CLIENT		
M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/We	declare that the a	above given information and sample given is rithout any concealed material therein. I also
	•	Signature: b
Consultancy Charges	Rs. 1650/	
Consultancy In-Charge	Day Mores	HoD/Civil 4.1/9/2/23
N The state of the		



Address of the Client



Re. NO. 47.48

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 9/2/23

**CLIENT DETAILS** 

Salam Bye-pass mad, kanv-6

New Building

Mobile No.	894091345
Email ID	KKciil 333@gmail, com
	SAMPLE DETAILS
Type of Comple since	MARIAN DISTAND
Type of Sample given	Con were whe
No. of. Sample given	3
Name of the Test Requested	25 > DOC: 26/1/23 - M30
	150 DOC: 2/2/4-M30
Purpose of Testing	Proting Donly Columnwale.
Test Report Hand over to	Mr. K. Karth!
<b>DECLARATION OF THE CLIENT</b>	
To The Principal, M.Kumarasamy College of Engineeri Thalavaplayam, Karur - 639 113.  I/We	declare that the above given information and sample given is
	Signature: Le houth
Consultancy Charges	P.s. 450) -
Consultancy In-Charge	HoD/Civil J. Hapter
£	



NAAC Accredited Autonomous Institution

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MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT		
Report Ref. No: MKCE/C	E/2022-23/40		DATE: 06.02.2023
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.		5.112, 00.02.2023
Client Ref. /Date	Letter Dated: 03.02.2023		
Report Handover to	Mr.K.Karthi		7
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	Date of Cas Date of Tes Quantity Re	ting : 03.02.2023
Purpose of the work	For Footing Work	אוס טווטות	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE_CURE	FOT

#### **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
1	Sample D <sub>1</sub>	150x150x150	8.320	477	21,20	70.00	(N/mm²)
2	Sample D.	150x150x150	0.540			70.66	04.04
4 171	ourripic D <sub>2</sub>		8.510	506	22.49	74.96	21.84

#### 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.

Topied by Mr. G. Polett

Tosted by - Mr. G. Balaji, AP/Civil 1.9 fly23

Verified by - HoD/Civil

Brun 16/2/23

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajiq.civil@mkce.ac.in</u> |Mobile: +91 8870881397. M.K.C.E. KARUR.





(Autonomous)
THALAVAPA! AYAM, 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

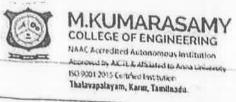
Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	300.00
0		-
		9 ×
	Total Amount	300.00

06/02/2023

1:19:04 PM

Cashier - GAUTHAMAN

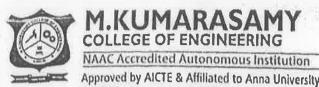


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# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Y	CLIENT DETAILS
Name of the Client	New Building
Address of the Client	Salem Bye-pass road, kagua-b.
Mobile No.	8940913451
Email ID	KK civil 3330 gmail.com
¥	SAMPLE DETAILS
Type of Sample given	Concrete cube
No. of. Sample given	02
Name of the Test Requested	Compression Test M20 D.O.L: 27/01/23
Purpose of Testing	Pooting Work
Test Report Hand over to	MR, k. lauthi
DECLARATION OF THE CLIENT	A CIE. LOSCINI
To The Principal, M.Kumarasamy College of Engineer Thalavaplayam, Karur - 639 113.  I/WeHa.k.lath to my knowledge with assurance of undertake the results are not to be	
De trocker	Signature: Le luatily
Consultancy Charges	Rs. 300/-
(C, A ; 1) 31	2. h/3/3/2003



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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

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/C	E/2022-23/39	DATE: 06.02.2023
Cilent 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 Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M30 Age of Concrete : 7 days as mentioned	Date of Casting : 26.01.2023 Date of Testing : 02.02.2023 Quantity Received : 1 by the client
Purpose of the work	For Footing Work	
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TF - CURF 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 C <sub>1</sub>	150x150x150	8.240	498	25.29	73.77	(remin)

#### 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.





(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

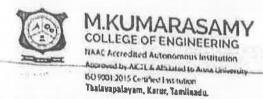
Regular

S.No	Particulars	Amount(Rs.)
1	CUBE TEST	150.00
	Total Amount	150.00

06/92/2023

1:19:21 PM

Cashier - GAUTHAM



KR

REND'39

## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 02 02 23

Non- Col Cu	CLIENT DETAILS
Name of the Client	New Building
Address of the Client	Jalem Bye-Pass Road, baus-6
Mobile No.	8940913451
Email ID	KE Civil 3330 Amail. 40m
	SAMPLE DETAILS
Type of Sample given	Concrete whe
No. of. Sample given	
Name of the Test Requested	Conpression Test   M30/poc 26-01-2023
Purpose of Testing	Pooting Work
Test Report Hand over to	MA. E. KayAS
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering, inaiavaplayam, Karur - 639 113.  I/WeMa_k coth  to my knowledge with assurance of good undertake the results are not to be char	declare that the above given information and sample given is
	. Signature: Little
Consultancy Charges	Prs. 150/
Evapelt may he share	TO A VALUE OF THE PROPERTY OF



KR

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	E/2022-23/ <b>38</b>	(4)	DATE:	01.02.2023
Client Details	Vaatpokki Interiors & Builders, Velusamypuram, Karur. Mobile: +91 9940 140310	4		
Client Ref. /Date	Letter Dated: 01.02.2023			
Report Handover to	Mr.R.Nandhakumar			
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M20 Age of Concrete : 21 days as mentione	Quantity	esting Received	: 12.01.2023 : 01.02.2023 ! : 3
Purpose of the work	For Footing Work			
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	ETE – CUB	E 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 <sub>1</sub>	150x150x150	8.320	538	23.91	>100	
2	Sample A <sub>2</sub>	150x150x150	8.380	546	24.27	>100	23.80
3	Sample A <sub>3</sub>	150x150x150	8.450	523	23.24	>100	<u> </u>

#### 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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397.







## (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
1000		
10		
	Total Amount	450.00

01/02/2023

3:45:04 PM

Cashier - NIRMALA K



Thalavapalayam, Karur, Tamiinadu.

Re. NO: 38 1

MKCE CONSULTANCY SERVICES
DEPARTMENT OF CIVIL ENGINEERING

Date: 01/02/23

#### **CLIENT DETAILS**

Name of the Client	Yaatpokki Interiors & Build	tere
Address of the Client	Velusany puram, kanus -6.	
Mobile No.	9940140310	х "
Email ID	siva que gmail Long	
	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
Purpose of Testing	for like Work	
Test Report Hand over to	Hr. R. Nandhaleu mor	
DECLARATION OF THE CLIENT		
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.		
to my knowledge with assurance of g undertake the results are not to be ch	declare that the above given in ood sampling techniques without any coanged given by you.	nformation and sample given is ncealed material therein. I also
5	F	Signature: p. Oproblem
Consultancy Charges	R2. 4501-	3.2/12/23
Consultancy In-Charge	HoD/Giv	11



NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certifled 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/C	E/2022-23/37	DATE	: 01.02,2023	
Client Details	New Building, Near Salem Bye-Pass Road, Karur -6. Mobile: +91 8940913451.	X		
Client Ref. /Date	Letter Dated: 01.02.2023			
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	Quantity Received	: 25.01.2023 : 01.02.2023 I : 2	
Purpose of the work	For Footing Work			
rype 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 B <sub>1</sub>	150x150x150	8.480	569	25.29	84.29	00.40	
2	Sample B <sub>2</sub>	150x150x150	8.500	607	26.98	90.00	26.13	

#### 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/CIVII

ann Iras

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> [Mobile: +91 8870881397,

Approved by - Principal





(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
i		
and the second		
	Total Amount	300.00

01/02/2023

3:46:22 PM

Cashier - NIRMALA K



Address of the Client

KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 31/01/23

**CLIENT DETAILS** 

SALEM BYPASS ROAD, KARUR-6

NEW BULLDENUT

Mobile No.	1248 140418			
Email ID	kkun138303	mail.com.		
	SAMPLE DETAI	LS		
Type of Sample given	Cube Cionne	te)		
No. of. Sample given	2/			
Name of the Test Requested	Compression	Test   A day A: Mg D.O.C:	1 2411/23	
Purpose of Testing	For site more	<u></u>		
Test Report Hand over to	Mile Karthi			
DECLARATION OF THE CLIENT			P	
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.	g,			
I/We_ Kilkarika to my knowledge with assurance of go undertake the results are not to be ch		ne above given informa s without any conceale	tion and sample given is d material therein. I also	
		S	ignature: Live MAX	
Consultancy Charges	RB. 300)_		1.1	
Consultancy In-Charge	del que	HoD/Civil	1 18/31/123	
	// 1		A	



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#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

		TIAL LAYOUT - THIRD PARTY INS					
Report Ref. No: MKCE/CE/	2022-23/36		DATE: 24.01.2023				
	Mr.K	.Kaniraj,					
Client Details	Muni	Municipality Commissioner,					
Cheffe Details	Puga	Pugalur Municipality, Velayuthampalayam Post,					
	Puga	lur (TK), Karur. Email: <u>commr.pugalur@</u>	gmail.com				
Client Ref. /Date	Ref.N	o.647/2022-2/F1; Letter dated: 19.01.2	023				
8	Mr.K	arthikeyan,					
	S/O R	amasamy Gounder,					
Report Handover to	D.No. 105/4, Pillayar Kovil Street,						
	Kumaran Kudil, Punjai Thottakurichi,						
	Pugalur, Karur.						
	Ward No. 16, Punjaipugalur (North) Village,						
Plot Details	SF.No. 277/A1B, 278/2						
· iot betails	Pugalur Municipality,						
	Karur.						
			by the faculty team at the proposed d were provided in the enclosed report.				
N Le Existe		J. Set 24/1/23	Bonney 11)23				
Tested by – Mr. P. Mukesh & Mr. N. P. Srinivasan, AP/Civil		Verified by – HoD/Civil	Approved by - Principal				

Seal

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

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

#### **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 24<sup>th</sup> 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.

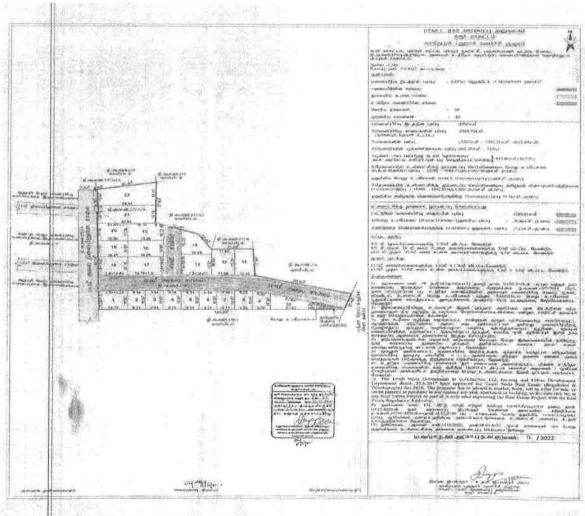


Fig. 1 Approved residential layout



# M.KUMARASAMY

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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

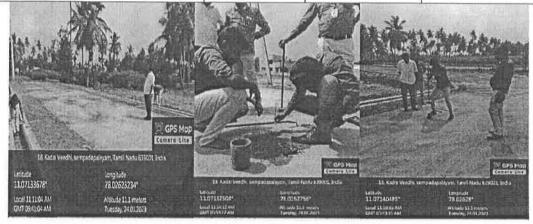


Fig. 2 Road width and cross section measurement

#### 2. Strom water drains

Strom 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.

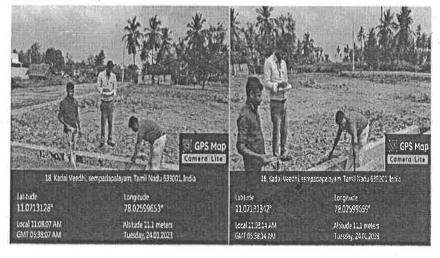


Fig. 3 Strom water drain measurement.



# M.KUMARASAMY

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#### 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.

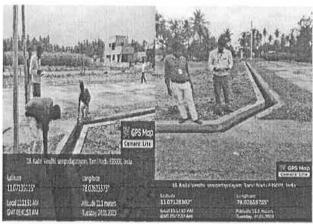


Fig. 4 Culvert measurement

#### 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.

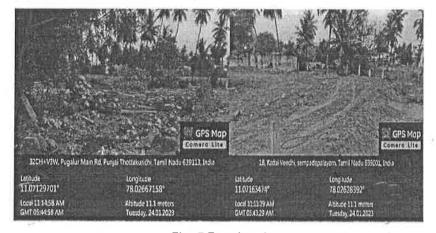


Fig. 5 Fencing Arrangements

#### 5. Water supply

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



# M.KUMARASAMY

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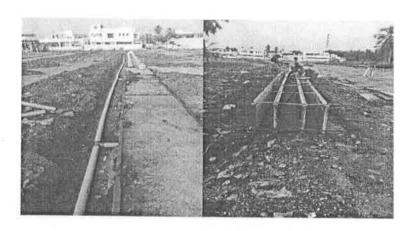


Fig. 6 Water supply Lines

#### 6. Streetlight

Streetlights poles alone were provided on regular intervals on all the roads and EB connection payment document are provided for reference.





Fig. 7 Provisions of streetlight pole

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へりよりかり Verified by

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





#### 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	Par	ticulars		Amount(Rs.)
1	Third Party Inspect	on Certificate	2. 2. 18.	5000.00
	vi		6	
	7	O. C.		
	Ĭ.			
		series :		100
	Total Amount		4	5000.00
			3.70	

24/01/2023

4:43:39 PM

Cashier - GAU





Re No: 36

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 24-01.23

**CLIENT DETAILS** 

Address of the Client  Municipality Engineer and Commissioner Pugalur Municipality Karur.  Mobile No. 9443238899  Email ID Commy. pugalur@gmail. com  SAMPLE DETAILS  Type of Sample given  No. of. Sample given  Name of the Test Requested  Third Parky Inspection Certificate  Purpose of Testing  Test Report Hand over to  Mr. Karthikeyan  DECLARATION OF THE CLIENT  To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balachandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.D.  Consultancy Charges  Rs. 5000		
Mobile No.  9443238899  Email ID  Commy. 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,  Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balarhandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.O.  Consultancy Charges  Ps. 5000	Name of the Client	
Mobile No.  Email ID  Commy. 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, Thalavaplayam, Karur - 639 113.  1/We Mr. M. Balchandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.O.  Consultancy Charges  Rs. 5000	Address of the Client	Municipality Engineer and Commissioner Pugalux Municipality Karux
Type of Sample given  No. of. Sample given  Name of the Test Requested  Third Parky Inspection Certificate  Purpose of Testing  Test Report Hand over to  Mr. Karkhikeyan  DECLARATION OF THE CLIENT  To  The Principal,  M.Kumarasamy College of Engineering,  Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balachandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.O.  Consultancy Charges  \$\mathbb{\text{Q}} \text{ 5000} \rightarrow  Consultancy Charges	Mobile No.	
Type of Sample given  No. of. Sample given  Name of the Test Requested  Third Parky Inspection Certificate  Purpose of Testing  Test Report Hand over to  Mr. Karkhikeyan  DECLARATION OF THE CLIENT  To  The Principal,  M.Kumarasamy College of Engineering,  Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balachandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.O.  Consultancy Charges  \$\mathbb{\text{Q}} \text{ 5000} \rightarrow  Consultancy Charges	Email ID	Commr. pugalur@gmail. com
No. of. Sample given  Name of the Test Requested  Third Parky Inspection Certificate  Purpose of Testing  Test Report Hand over to  Mr. Karthikeyan  DECLARATION OF THE CLIENT  To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balahandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.O.  Consultancy Charges  Rs. 5000		
Name of the Test Requested  Third Parky Inspection Certificate  Purpose of Testing  Test Report Hand over to  Mr. Karthikeyan  DECLARATION OF THE CLIENT  To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balachandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Consultancy Charges  Rs. 5000	Type of Sample given	
Purpose of Testing  Test Report Hand over to Mr. Karthikeyan  DECLARATION OF THE CLIENT  To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balachandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.D.  Consultancy Charges  La. 5000	No. of. Sample given	
Test Report Hand over to  Mr. Karthikeyan  DECLARATION OF THE CLIENT  To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balahanar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.D.  Consultancy Charges	Name of the Test Requested	Third Party Inspection Certificate
DECLARATION OF THE CLIENT  To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balackandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.D.  Consultancy Charges	Purpose of Testing	See Section 1
To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.  I/We Mr. M. Balachanar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M.D.  Consultancy Charges	Test Report Hand over to	Mr. Karthikeyan
The Principal,  M. Kumarasamy College of Engineering,  Thalavaplayam, Karur - 639 113.  I/We_Mr. M. Balachandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.  Signature: M. Da lachandar declare that the above given information and sample to my knowledge with assurance of good sampling techniques without any concealed material there undertake the results are not to be changed given by you.		
Consultancy In Change	The Principal, M.Kumarasamy College of Engineering	g,
Consultancy Charges Rs. 5000	The state of the s	you sampling techniques without any concealed material theme!
Consultancy In Chause		Signature: M. Nalechy
Consultancy In-Charge	Consultancy Charges	Rs. 5000 /-
HoD/Civil	Consultancy In-Charge	HoD/Civil

### நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை

கரூர்.

அனுப்புநர் :--

திரு. கு. கனிராஜ்,

ஆணையாளர்,

புகழேர் நகராட்சி,

வேலாயுதம்பாளையம் ( அஞ்சல்),

புகழூர் வட்டம், கரூர் மாவட்டம் – 639 117.

மின்னஞ்சல் : commr.pugalur@gmail.com

பெறுநர்:– முதல்வர், எம். குமாரசாமி பொறியியல் கல்னூரி, தளவாபாளையம்,

Биф: 19.01.2023.

ந.க.எண். 647/2022/எப்1 நாள் : 19.0

ஐயா,

பொருள்: மணைப்பிரிவு – சேலம் மண்டலம் – கரூர் மாவட்டம் – புகழூர் நகராட்சி – இந்நகராட்சிக்குட்பட்ட புன்செய்ப்புகழூர் (வடக்கு) கிராமம் புல எண். 277/A1B, 278/2 இல் 1.38 ஏக்கர் பரப்பளவில் அமையும் குடியிருப்பு மணைப்பிரிவில் உள்ள சாலை வசதிகள், மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர் பகிர்மான குழாய் வசதிகள் அமைக்கப்பட்டது – தர ஆய்வு சான்று பெற்று தரக்கோருதல் – தொடர்பாக.

பார்வை :

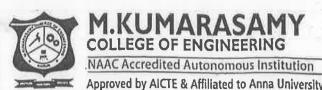
- சென்னை, நகராட்சிகளின் நிர்வாக இயக்குநர் அவர்களின் சுற்றறிக்கை ந.க.எண். 12843/2022/டிபி–2 நாள். 20.10.2022.
- 2. தொடர்புடைய ஆவணங்கள்.

\*\_\*\_\*\_\*\_\*\_\*

புகமூர் நகராட்சிக்குட்பட்ட வார்டு ठाळंज. 16, செம்படாபாளையம் பகுதியில் புண்செய்ப்புகழேர் (வடக்கு) கிராமம், 277/A1B, புல ठाळेंज. 278/2 இல் 1.38 பரப்பளவில் அமையும் மணைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள சாலை வசதிகள், மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர் பகிர்மான குழாய் வசதிகள் பணிகளுக்கு ஆகிய ஆய்வு செய்து (Third **Party** Inspection) சான்று பெற்று வழங்குமாறு கனிவுடன் கேட்டுக்கொள்கிறேன்.

நகல் :

திரு. கார்த்திகேயன் த/பெ. ராமசாமி கவுண்டர், கதவு எண். 105/4, பிள்ளையார் கோவில் தெரு, குமரன்குடில், புஞ்சைத் தோட்டக்குறிச்சி, புகழூர் வட்டம், கரூர் மாவட்டம். ஆணையாள்க். புகழூர் நகராட்சி.



KR

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### .... MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	WE
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	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sample Details	Soil Sample – 5 KG	* ***
Purpose of the work	Basement Floor Construction.	X 11 2
Type of Test	Safe Bearing Capacity	Pu J
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

18

Rate of Strain Applied

. 3

(ml)

(mm/minute)

	Horizonta	Correc	(Kg	Normal Stress $(Kg/Cm^2) = 0.5$ Shear Load		Normal Stress (Kg/Cm <sup>2</sup> ) = 1.0				rmal Sti /Cm²) =	
SI. No	No Displace A ment (d) A	Displace ment (d) A*(1- Ring   Ring   Divisio	rea= from Prov	from Proving Ring		Shear from P Rin	roving	Shear Stress	Shear from P	Load roving	Shear Stress
			Kg	Kg Kg/ Cm <sup>2</sup>	Divisio ns	Kg	Kg/ Cm <sup>2</sup>	Divisio	Kg	Kg/ Cm <sup>2</sup>	
1	0.5	35.70	5	1,42	0.04	10	2.83	0.00	ns	7	2 0 10
2	1.0	35.40	13	3.76	0.11	19		80.0	25	6.85	0.19
3	1.5	35.10	17	5.00			5.73	0.16	44	12.06	0.34
4.	2.0	34.80			0.14	22	6.45	0.18	53	14.52	0.41
		J1.0U	22	6.35	0.18	27	7.80	0,22	62	1600	0.40



# COLLEGE OF ENGINEERING

NAAC Accredited Autonomous Institution

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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
Tie :	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/Cm²)	Max. Shear Stress (Kg/Cm <sup>2</sup> )		
1	0.50	0.40		
2	1.00	0.69		
3	1.50	1.19		
	Results from	Graph		
1 Angle of Internal Friction, o				

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 preformed 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.

Tested by - Mr. S. Ramkumar,

AP/Civil

- 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.

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
		1
		2.5
		40 ×
	Total Amount	5000.00

12/01/2023

12:03:37 PM

Cashier - GAUTHAMAN





Re. No. 85

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 10/01/2028. CLIENT DETAILS Name of the Client P. Subramani. P. Subramant & Co, Address of the Client Engineering Contractors, Thindali Erode Mobile No. 9384229995 **Email ID** SAMPLE DETAILS Type of Sample given Soil. No.of.Sample given Safe Bearing Capacity. Name of the Test Requested **Purpose of Testing** Floor Construction. rest Report Hand over to Mr. Yogeshwasan. DECLARATION OF THE CLIENT To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113. I/We \frac{\frac{1}{2000} \frac{1}{2000} \frac{1}{2 also undertake the results are not to be changed given by you. Signature; Consultancy Charges Ps. 5000/-Consultancy In-Charge HoD/Civil



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

Kulithalai Municipality,

Karur.

MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

PROPOSED RES	SIDENTIAL LAYOUT (VALAR NAGAR) – THIRD P CERTIFICATE	ARTY INSPECTION
Report Ref. No: MKCI		DATE: 11.01.2023
Client Details	Mr.R.MANOHAR,  Municipality Commissioner i/c,  Kulithalai (TK), Karur. Email: commr.kulithalai@tn.gov.i	
Client Ref. /Date	Ref.No.1524/2022/B2; Letter dated: 06.01.2023	П
Report Handover to	Mr.M.Muthukumar	

Ward-C, Block-20, T.S.No.90/1A1,100/1 100/2 Vaigainallur (north) Village,

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.

Plot Details

Tested by -Mr.

R.Vetturayasudharsanan &

Mr. S. Ramkumar AP/Civil

Verified by - HoD/Civil

Head of the Department

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

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

Approved by - Principal PRINCIPAL.

Department of Civil Engineering M. Kumarasamy College of Engineering
M. Kumarasamy College of Engineering
THAL AVADAL AVAM THALAVAPALAYAM,

KARUR - 639 113

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 10<sup>th</sup> 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.

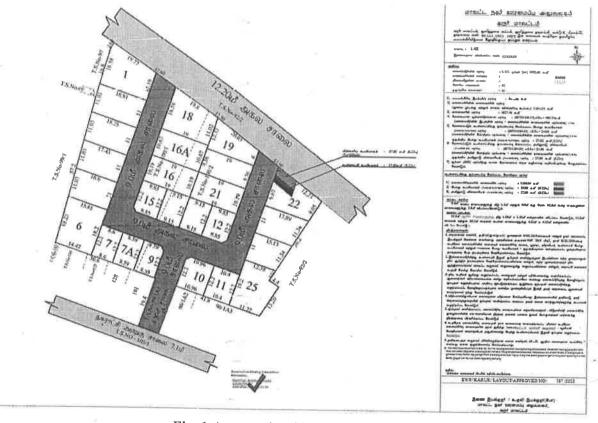


Fig. 1 Approved residential layout





The observations found during the inspection were listed below:

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

#### 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



KR

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#### 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.

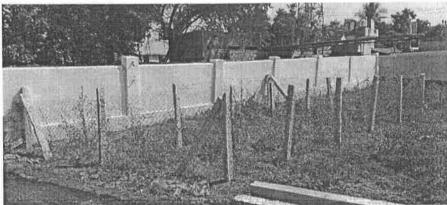


Fig.4 Fencing for reserved site

#### 4. Water supply

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

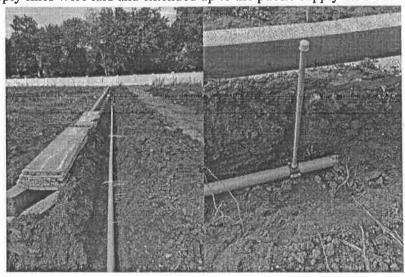


Fig. 5 Water supply line



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#### 5. Streetlight

Adequate streetlights were provided at the site.

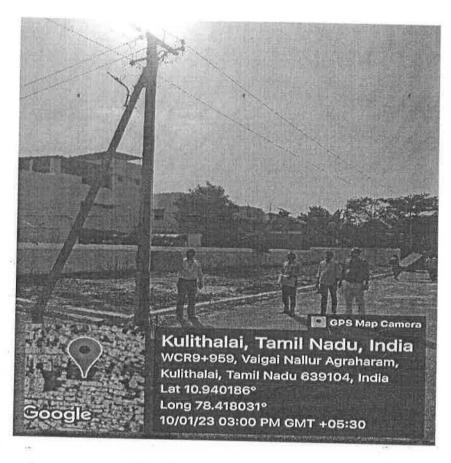


Fig. 6 Provisions of Powerlines

Prepared by



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 - 638 113

HE NO:34



# M.KUMARASAMY COLLEGE OF ENGINEERING



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

### 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
	- Train	
	Total Amount	5000.00

12/01/2023

10:10:22 AM

Cashier - GAUTHAMAN





Re No. 34

# 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 1/2 kulithabai. Lanur.
Mobile No.	04328-222321
Email ID	Commo, bulithelai @ In. 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. Muthikimar
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113.	pt (1)
is to my knowledge with assurance of go also undertake the results are not to be o	declare that the above given information and sample given bod sampling techniques without any concealed material therein. I hanged given by you.
T	Signature: M. Cury
Consultancy Charges	5000 /_
Consultancy In-Charge	P. Aym HoD/Civil 1. 1/2/2

"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–

முதல்வா், எம்.குமாரசாமி பொறியியல் கல்லூாி, தளவாபாளையம், கரூா்.

<u>ந.க.எண்.1524/2022/பி2, நாள்-0</u>601.2023.

அய்யா, / அம்மையீர்,

பொருள்– தரச்சான்று – கரூர் மாவட்டம் – குளித்தலை நகராட்சி – வைகைநல்லூர் வடக்கு கிராமம் Ward-C, Block-20, T.S.No.90/1A1, 100/1 100/2–ல் அமைந்துள்ள 1.575 ஏக்கர் மனைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள சாலை, மழைநீர் வடிகால், தெருவிளக்கு மற்றும் குடிநீர் பகிர்மான குழாய் பதித்தல் – தர ஆய்வு சான்று வழங்க கோருதல் – தொடர்பாக.

பார்வை – திரு.கே.சுசில்குமார், 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 1.575 ஏக்கர் மனைப்பிரிவில் மேற்கொள்ளப்பட்டுள்ள சாலை, மழைநீர் வடிகால், தெருவிளக்கு மற்றும் குடிநீர் பகிர்மான குழாய் வசதிகள் ஆகிய பணிகளுக்கான தர ஆய்வு செய்து, அதற்கான தரச்சான்று வழங்குமாறு அன்புடன் கேட்டுக்கொள்ளப்படுகிறது.

ஆணையர்(பொ), சுளித்தலை நகராட்சி.



# M.KUMARASAMY

COLLEGE OF PHOREEPING

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/CI	E/2022-23/ <b>33</b>	DATE	E: 09.01.2023
Client Details	Mr.Loganathan, Karur. Mobile: +91 9629130140.		Į#
Glient Ref. /Date	Letter Dated: 09.01.2023		
Report Handover to	Mr.Pragadheesh		
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M25 Age of Concrete : 28 days as mentione	Quantity Receive	
Purpose of the work	For Construction Site.		e late
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE TEST	-

#### RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	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: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397. PRINCIPAL, M. Kumarasamy College of Engineering, THALAVAPALAYAM, KARUR - 639 113

Seal

# Re. No. 33



# M.KUMARASAMY COLLEGE OF ENGINEERING

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



Ref. No.

1815

Date

09/01/2023

Rec. No.

566/22-23

Account

COLLEGE A

Payee Name

Mr.Loganathan

Payment Type

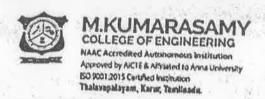
Regular

S.No	Particulars		Amount(Rs.)
1	Compression test		150.00
			A
		26 0	
3.1	Total Amount	N .	150.00

09/01/2023

2:51:34 PM

FTHAMAN Cashier - GA



Name of the Client



Range 33

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

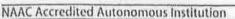
CLIENT DETAILS

Date: 09/01/2023

Name of the Client	Mr. Joganathan
Address of the Client	Icagus.
Mobile No.	9629130140
Email ID	
	construction, kasus @ gradit com
Type of Sample given	Concrete une
No. of. Sample given	DI
Name of the Test Requested	Compression Test
Purpose of Testing	for site work
Test Report Hand over to	M1. Prasha deash R
DECLARATION OF THE CLIENT	T CONTRACTOR OF THE CONTRACTOR
To The Principal, M.Kumarasamy College of Engineer Thalavaplayam, Karur - 639 113. I/WeR. Dom La Reil o my knowledge with assurance of ndertake the results are not to be c	declare that the above given information
nsultancy Charges	Rs.150)
Consultancy In-Charge	HoD/Civil 4 V alul23



# M.KUMARASAMY COLLEGE OF ENGINEERING



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/C	E/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		<del></del>
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	Quantity Rec	ng : 31.01.2023
Purpose of the work	For Construction Site.		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TF - CURE TE	EST

#### RESULT:

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	strength
1	Sample A <sub>1</sub>	150x150x150	507	22.53	75.11	(N/mm²)
2	Sample A <sub>2</sub>	150x150x150	517	22.98	76.59	22.76

Reference (According to IS-456:2000):

#### 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.

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

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <u>balajiq.civil@mkce.ac.in</u> |Mobile; +91 8870881397.

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



# M.KUMARASAMY COLLEGE OF ENGINEERING



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

## Receipt

Ref. No.

: 2089

Date

01/02/2023

Rec. No.

: 615/22-23

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

3:46:54 PM

Cashier - NIRMALA K



Approved by AKCTE & Afterlated to Anna University ISO 9001:2015 Certifien Institution Thalavapalayam, Karur, Tamiliaadu.



### MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

00100100

	Date: Ollogies
Name of the Client	CLIENT DETAILS
Name of the dient	New Builang
Address of the Client	Salen by epass mad, leanunts
ridaress of the diferit	
Mobile No.	8940913451
Email ID	
	Execus 333@ Amail con SAMPLE DETAILS
Type of Comple given	
Type of Sample given	Converte cube
No. of. Sample given	2
	^
Name of the Test Requested	Compression Teet G. Maso D.O. C. 25/1/23
••• •• • •	D.O. c. 25/1/23
Purpose of Testing	Footing troute.
Test Report Hand over to	Mr. k. kauthi
DECLARATION OF THE CLIENT	N .
To The Principal,	
M.Kumarasamy College of Engineerin	g,
Thalavaplayam, Karur - 639 113.	
I/We Mr. K. Karth	declare that the above given information and sample given is
to my knowledge with assurance of g	000 Sampling techniques without any concealed material therein I also
undertake the results are not to be ch	anged given by you.
	Signature: Coloria 3
,	
Consultancy Charges	
	Rs. 300/-
Consultancy In-Charge	HoD/Civil

HoD/Civil





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/20	)22-23/ <b>31</b>		DATE: 03.01.2023
	Mr.Vinoth,		
Client Details	Karur.		
	Mobile: +91 8778289966		
Client Ref.*/Date	Letter Dated: 02.01.2023 *		•
Report Handover to	Mr.Karthikeyan	97	18
	Type of Sample : Concrete Cube	Date of Cas	ting : 28.11.2022
Cample Dataile	Size of the Sample 🖫 150 x 150 x 150 mm	Date of Tes	ting : 03.01.2023
Sample Details	Grade of Concrete : M20	Quantity Re	ceived : 2
- 7 - W	Age of Concrete : 28 days as mentione	d by the clier	nt
Purpose of the work	For Construction Site.		
Type of Test	COMPRESSIVE STRENGTH OF CONCRE	TE - CUBE	TEST

#### **RESULT:**

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	150x150x150	536	23.82	119.11	
2	Sample A <sub>2</sub>	150x150x150	693	30.80	154.00	27.31

#### 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).

#### <u>Remarks:</u>

✓ 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.

0.00003/01/29	4 1 / 3/1/23	3/1/23
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
If you require any clarification, pleas	e contact	PRINCIPAL, M. Kumarasamy College of Engineering
Consultancy In-Charge, Department Email: balajig.civil@mkce.ac.in		THALAVAPALAYAM, KARUR - 639 113 Seal



M.KUMARASAMY COLLEGE OF ENGINEERING (Autonomous)

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

#### Receipt

Ref. No.

1688

Date

: 03/01/2023

Rec. No.

547/22-23

Account

: COLLEGE A/C

Payce Name

: Mr.Vinoth

Payment Type

Regular

S.No	Particulars	Amount(Rs.)
1	Concrete strength test	300.00
w.		

03/01/2023 10:56:41 AM

Cashier - GAUTHAMAN





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/2	022-23/ <b>30</b>	DATE: 10.01.2023
Client Details	SRI KURINJI BRICKS, No. 109/2, Theeran Nagar, Erode Main Road, Ne Karur, Tamil Nadu – 693 002. Mobile: 79045 071 Email: <u>srikurinjibričks@gmail.com</u>	·
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 Quantity Received: 3	Date of Testing: 10.01.2023
Purpose of the work	For Construction.	* *
Type of Test	COMPRESSIVE STRENGTH OF FLY ASH BRICK	C – BRICK TEST
RESULT:		

S.No.	Brick Sample	Size (mm)	Weight of Sample (kg)	Ultimate Compression Load (kN)	Compressive Strength of Fly Ash brick (kg/cm²)	Average Compressive Strength of Fly Ash brick (kg/cm²)
1	Sample 1 -Brown	225 x 100 x 70	3.245	272	123.27	
2	Sample 2- Brown	225 x 100 x 70	3.465	248	112.40	130.22
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:**

✓ 1<sup>st</sup> class brick is **105 kg/cm<sup>2</sup>**. 2. 2<sup>nd</sup> class brick is **70 kg/cm<sup>2</sup>**. 3. Common building brick is **35 kg/cm<sup>2</sup>**.

4. Fly Ash brick is 90 to 150 kg/cm<sup>2</sup>

#### 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 \dagged 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 Chilege of Engineering THALAVAPALAYAM. KARUR - 630 113

Seal





COLLEGE OF ENGINEERING
NAME Accredited Actionomous institution
Accredity Accidentation Auditable
S090012015 Confee Institution
Thalavapalayam, Karur, Tamiinadu.

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 10/01/23

#### CLIENT DETAILS

Nagar, Erode Main road, expost, Icagus - 693 002 gmall.com
gmall.com
gmall, com
to to
FXBXD = 325X100XTOMM
vork
3546

I/We\_\_\_\_\_\_ 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: Offul

**Consultancy Charges** 

RS. 300/-

1 Drignes

4.15/10/1/23

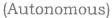
Consultancy In-Charge

HoD/Civil

Re No:30



## M.KUMARASAMY COLLEGE OF ENGINEERING







#### 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
		e 4
=	Total Amount	300.00

11/01/2023

10:51:02 AM

Cashier - GAUTHAMAN



### M.KUMAKASAMY 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/C	E/2022-23/29	DATE: 21.12.2022				
Client Details	SRI KUMARAN AUTO FUELS, OPP to green garden, manavadi, Karur -5. Mobile: 9597390378, Email: kumareshkmk95@	×				
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 <sub>1</sub> (kg)	Weight of water absorbed bricks W <sub>2</sub> (kg)	Water Absorption (%) (W <sub>2</sub> -W <sub>1</sub> ) *100	Average Water Absorption (%)
1	18/05/22/A1	230x105x75	2.440		W <sub>1</sub>	(7-7)
•			3.410	3.720	9.09	
2	19/05/22/A2	230x105x75	3.360	3.680	9.52	40.44
11 S - 150	21/05/22/A3	230x105x75	3.480	3.920	12.64	10.41

### 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.

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



(Autonomous)
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/

Payer Maine

SRI KUMARAN AOTO FUELS

Payment Type

Regular

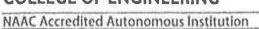
S.No	Particulars	Amount(Rs.)
1	WIRE CUT BRICK TEST	600.00
	Total Amount	600.00

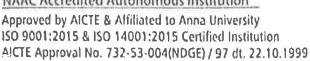
19/12/2022 4:25:18 PM

Cashier - GAUTHAMAN



### M.KUMAKASAMY **COLLEGE OF ENGINEERING**







## 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 ten Near riverroad, Punjai Thottakuruchi, Pug Mobile: 9751153078. Email: info@krishireadymix.com	nple yla.	
Client Ref. /Date	Letter Dated: 30.11.2022		
Report Handover to	Mr.C.Suriyakumar		
Sample Dotails		rade of Cement: Dalmia(OPC 53)	
Purpose of the work	For Construction	add of Getherit. Dailylla (OPC 53)	
ype of Test  TEST ON CEMENT – Fineness, Consistency, Setting Time, Soundness, and Compressive Strength.			
RESULT:			

**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/mm²)-7 Days	Avg. Compressive strength (N/mm²)	Remarks
1	Sample K <sub>1</sub>	70.6x70.6x70.6	210	42.13	(tulinit)	
2	Sample K <sub>2</sub>	70.6x70.6x70.6	205	41.12	43,13	Refer the
3	Sample K <sub>3</sub>	70.6x70.6x70.6	230	46.14	43,13	below Table

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

NOTE:

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

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

If you require any clarification, please contact

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





### M.KUMARASAMY COLLEGE OF ENGINEERING





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 REF	PORT			
Report Ref. No: MKCE/CE/	2022-23/27		DATE: 21.12.2022		
FERREIT - Senith INC	KRISHI READY MIX CONCR	ETE.			
	No.44 A,Thottakuruchi, Malay				
Client Details	Near riverroad, Punjai Thottakuruchi, Pugalur, Karur – 639 113, Mobile: 9751153078.				
	Email: info@krishireadymix.co	m			
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 – Finenes Compressive Strength.	s, Consistency, Setting Tim	e,Soundness, and		

**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).

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 594 minutes (600 minutes for OPC).

5. Soundness

Based on the trails, the elongation is 6mm (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/mm²)-7 Days	Avg. Compressive strength (N/mm²)	Remarks
1	Sample K <sub>1</sub>	70.6x70.6x70.6	182	36.51		
2	Sample K <sub>2</sub>	70.6x70.6x70.6	195	39.12	37.98	Refer the below Table
3	Sample K <sub>3</sub>	70.6x70.6x70.6	191	38.31		

#### Reference:

CEMENT	IS Codes	COMPRESSIVE STRENGTH (Mps			
TYPE		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. Balall, AP/Civil

Verified by - HoD/Civil

Approved by - Principa

If you require any clarification, please contact

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



# M.KUMARASAMY COLLEGE OF ENGINEERING



(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 639 113.
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 - GAUTTIMAN



Approved by ACII, & Afrikated to Area Laviencesy ISO 9001-2015 Cember Institution Thalavapalayam, Kierur, Tamilhadu.



For Report No: 21 &28

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 30/11/2022

	CLIENT DETAILS
Name of the Client	
Address of the Client	Krishi Ready mix Concrete  Krishi Ready mix Concrete  Thorra kuruchi
Mobile No.	9942247816
Email ID	Suriyakumar 9292@gmil-com
	SAMPLE DETAILS
Type of Sample given	Cement
No. of. Sample given	30ly.
Name of the Test Requested	Differences feet D. Dalmia opc 53 2) Consistany 2) Other tech opc 53 3) IST FST. 4) Soundhers 5) Compressive strength
Purpose of Testing	For AML
Test Report Hand over to	Mg. C. Swiggkeny.
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasamy College of Engineer Thalavaplayam, Karur - 639 113.  I/WeC Lury' 19 1/2 to my knowledge with assurance of undertake the results are not to be	declare that the above given information and sample given is
	. Signature:
Consultancy Charges	Rs. 2600/-
Consultancy In-Charge	



### 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. 732-53-064(NDGE) / 97 dt. 22.10.1999

#### MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ref. No: MKCE/CE/2	2022-23/ <b>26</b>	DATE: 19.12.2022
Client Details	SRI KUMARAN AUTO FUELS,  OPP to green garden, manavadi, Karur -5.  Mobile: 9597390378, Email: kumareshkmk95@gma	ail.com
Client Ref. /Date	Letter Dated:19.12.2022	71
Report Handover to	Mr.M.Kumaresan	h &
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 TE	ST

#### **RESULT:**

S.No.	Brick Sample	Size in (mm) (L x B x H)	Weight (kg)	Ultimate Compression Load (kN)	Compression Strength (kg/cm²)	Avg. Compressive strength (kg/cm²)
1	Sample A <sub>1</sub>	230x105x75	3.330	350	147.78	
2	Sample A <sub>2</sub>	230x105x75	3.270	268	113.16	140.46
3	Sample A <sub>3</sub>	230x105x75	3.350	380	160.45	S #1

#### Reference as per IS 1077 (1992):

- ✓ 1. 1st class brick is 105 kg/cm $^2$  2. 2nd class brick is 70 kg/cm $^2$  3. Common building brick is 35 kg/cm $^2$
- √ 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

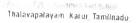
If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.





M.KUMARASAMY





For report No: 26 & 29

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 19/12/22

CLIENT DETAILS Name of the Client Sai kumaran Auto Fuels S.F. NO. 663/4, 664/2, OPP to green garden, Address of the Client manavadi, Icanu. Mobile No. 9597390378 Email ID kumaresh kmkq5@ gmail.6M SAMPLE DETAILS Type of Sample given Wive cut bride No of Sample given 6 1. Compression Test Name of the Test Requested 2. Water absorption test Purpose of Testing for Site work Test Report Hand over to Mr. M. Kumavesan. DECLARATION OF THE CLIENT e Principal, M. Kumarasamy College of Engineering, Thalavaplayam, Karur - 639 113. 1/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. Consultancy Charges Rs. 600)-





Approved by AICTE & Attiliated 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/202	2-23/ <b>25</b>	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 Size of the Sample : 250x115x80 mm Grade of Block : M40	Condition: Satisfactory Type : Zig Zag Quantity Received : 8			
Purpose of the work	For site work				
Type of Test	COMPRESSIVE STRENGTH OF PAVER BLOC	K– PAVER BLOCK TEST			

#### **RESULT:**

S.No.	Block Sample	Size (mm)	Area of the block (mm²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm²)	Corrected Compression Strength (N/mm²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm²)
1	17/11/22/B1	250x115x80	28750	6.200	1025000	35.65	42.07	
2	19/11/22/B2	250x115x80	28750	6.230	985000	34.26	40.43	
	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	41.46
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 \( \text{HoD/Civil} \)	Approved by - Principal
Dolp Glober	1.10 MWW	de Capatra

If you require any clarification, please contact Consultancy In-Charge, Department of Civil Engineering.

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

www.mkce.ac.in



# 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 - GAUTHAN



MIKUMARASAM)

Thafavapalayan Karut Tamimadu





# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 19/12/2022

Δ	CLIENT DETAILS
Name of the Client	Soi Kumaran Auto fuela
Address of the Client	SENO. 663/4, 664/2, OPP. Express gerales manavadi, Karrey
Mobile No.	9597390378
Email ID	Krumaresh Errikase gmail.com
1	SAMPLE DETAILS
Type of Sample given	Paver Block (213dag)
No.of.Sample given	8
Name of the Test Requested	Compression Test
Purpose of Testing	for she work
Test Report Hand over to	M. Kumaresan
DECLARATION OF THE CLIENT	- Landwest -
A Kumarasamy College of Engineering Halavaplayam, Karur - 639 113.  I/We Kumarasamy College of Engineering halavaplayam, Karur - 639 113.  I/We Kumarasamy College of Engineering halavaplayam, Karur - 639 113.  I/We Kumarasamy Engineering halavaplayam, Karur - 639 113.  I/We Kumarasamy Engineering halavaplayam, Karur - 639 113.	declare that the above given information and sample given is
Emporario Lati	Signature: Jamaseo
onsultancy Charges	R8.1200/
to consultancy isc	Hoplain.



# 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

PROPOSE	RESIDENTIAL LAYOUT - THIRD PARTY INSPECTION CERTIFICATE
Report Ref. No: MKCE/CE/	DATE: 14.12.202
Client Details	Mr.K.Kaniraj,  Municipality Commissioner,  Pugalur Municipality, Velayuthampalayam Post,  Pugalur (TK), Karur, Email: <a href="mailto:commr.pugalur@gmail.com">commr.pugalur@gmail.com</a>
Client Ref. /Date	Ref.No.646/2022-2/F1; Letter dated: 30.11.2022
eport 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,
white taken !	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.

D'alaha

Tested by – Mr. S. Ramkumar & Mr. R. Vetturayasudharsanan,

AP/Civil

V. refryet

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





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)

Pugalur Municipal Commissioner in his letter cited under reference, had requested a thirdparty 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 The proposed plots are 70 and allocated plots is 67. Fig. 1 shows the approved residential

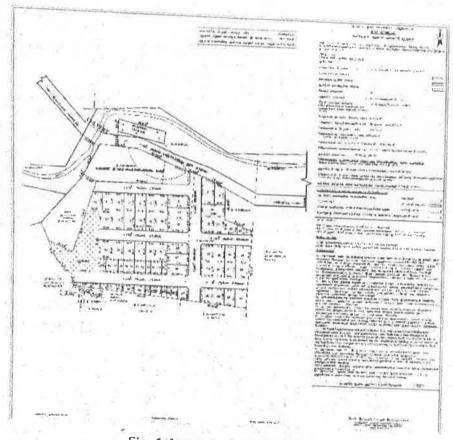


Fig. 1 Approved residential layout

#### M.KUMAKASAM T COLLEGE OF ENGINEERING



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

#### 6. Streetlight

Streetlights were not provided but power lines are provided at the site and connection has been requested and bill has been attached.

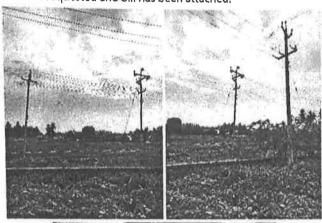




Fig. 6 Provisions of Powerlines

Prepared by

S. RAMHUMAR, AP CIVIL 4. Playword

Approved by

Dr. V. SENTHILLIMAR

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

Re: No.24



## M.KUMARASAMY COLLEGE OF ENGINEERING



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

## 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
* 17		
- 7		

14/12/2022 3:29:30 PM

Cashier - NIRMALA K





Re No. 24

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 9/12/2

	CLIENT DETAILS
Name of the Client	Mr. K. Maniraj
Address of the Client	Mr. K. Klaniraj Municipality Commissioner, Pugalus (TK), kanur.
Mobile No.	
Email ID	The second second second second second
	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, Thalavaplayam, Karur - 639 113.  I/We is to my knowledge with assurance of galso undertake the results are not to be	declare that the above given information and sample given
	Signature: P. Mala
Consultancy Charges	Rs. 5000/-
Consultancy In-Charge	HoD/Civil 1.1/9/12/2



#### 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

AKA LA	TEST REPORT
Report Ref. No: MKCE/CE/2022	2-23/23 DATE: 08.12.2022
Client Details	AARTHI FLY ASH BRICK,  SF.No. 289/2, Pudhupalayam (Vallipuram-Pallappati Via),  Kutlamparal, 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/cm²)	Average Compressive Strength of Fly Ash brick
1	Sample 1 -R <sub>1</sub>	230 x 105 x 80	3.282	250	105.56	(kgf/cm²)
2	Sample 1- R <sub>2</sub>	230 x 105 x 80	3.425	205	86.56	102.74
3	Sample 1- R <sub>3</sub>	230 x 105 x 80	3.256	275	116.11	102.74

Reference: (According to IS 12894: 2002) (Compressive Strength of bricks):

1st class brick is 105 kgf/cm². 2. 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

1. Ve / 3/11/21

Verified by - HoD/Civil

Solution

Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balailg.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.

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 12:48:51 PM Cashler - GAUTHAM N





Approved by AtCTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution AtCTE 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/2022-23/22		12.2022
Client Details	Krishi Ready Mix Concrete, No. 44 A, Thottakurichi, Malayamman Ter Near river road, PunjaiThottakuruchi(po), Pugalur(tk), Karur – 6391 Mobile: 9751153078, Email: info@krishireadymix.com	
.Client Ref. /Date	Letter Dated: 02.12.2022	2.
Report Handover to	Mr.C.Suryakumar	
Simple Details	Coarse Aggregate – 20 mm (20 kg)	
Purpose of the work	For RMC	
Type of Test	Sieve Analysis (Fineless modulus), Specific gravity, Abrasion strength strength, Crushing strength	ı, İmpact

#### 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

 ${\bf Consultancy\ In\text{-}Charge,\ Department\ of\ Civil\ Engineering.}$ 

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

Seal

Thavalapalayam, Karur, Tamilnadu, India - 639113. Phone: 04324 - 270755, 272155 Fax: 04324-272457

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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

#### 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, Thottal Near river road, PunjaiThottakuruchi(po), Policies 9751153078, Email: info@krishirea	ugalur(tk), Karur - 639113.
Client Ref. /Date	Letter Dated: 02.12.2022	ж.,
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 g strength, Crushing strength	ravity, Abrasion strength, Impact

#### **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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.

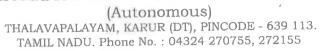
Seal

MOMORTUA

report No: 21 022



#### M.KUMARASAMY COLLEGE OF ENGINEERING





#### 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

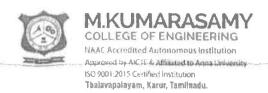
Regular

S.No	Particulars	Amount(Rs.)
1	COARSE AGGREGATE TEST	4600.00
	÷	'
	Total Amount	4600.00

08/12/2022

10:20:38 AM

Cashier - GAUTHAN





For report No: 21 &22

## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 2/12/22

#### **CLIENT DETAILS**

Name of the Client	knishy ready mix concede
Address of the Client	No. ppp, thattakenichi, Malayamman Temple (ria), Near Hver road, punjai thollakenichi (po), pusalur lamr- 639113.
Mobile No.	975153078
Email ID	into @ Koishi ready mix. com

#### SAMPLE DETAILS

	A STATE OF THE STA	
Type of Sample given	Coarse asgregate (12mm, 20mm)	
No. of. Sample given	30 kg (each)	
Name of the Test Requested	1. Clushing shoeneth & Sheve analysis  a. Aborsion stooneth 5. Specific glavity  3. Smpay stooneth	· ·
Purpose of Testing	for RMC	
Test Report Hand over to	Ma. C. Smiga kungr	

#### DECLARATION OF THE CLIENT

10					
The Principal,					
M.Kumarasamy College of En	gineering.				
Thalavaplayam, Karur - 639 1					
I/We_C-Surn to my knowledge with assura undertake the results are not	declarate declar	are that the above chniques without you.	ve given in out any co	nformation and s ncealed material	ample given is therein. I also
*	*	359		Signature:	0.1
m 20	9		Ě	Signature:	
Consultancy Charges		1			

RS. 4600/-

Consultancy In-Charge

HoD/Civil



KR

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/	2022-23/20	DATE: 08.12.2022
Client Details	Krishi Ready Mix Concrete, No. 44 A, Thottakurichi, Malayamman Templ Thottakuruchi(po), Pugalur(tk), Karur – 639 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 Absor	ption, Bulk Density

#### **RESULT:**

#### Sieve Analysis:

IS Sieve	Cumulative Percent				77 111		
Designation	Retained	Passing	Zone – I	Zone – II	Zone – III	Zone – IV	
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





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

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/cm³)		4
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 %

he given sample can be used for making Concrete.

#### NOTE:

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

Fested by - Mr. S. Ramkumar

Tested by - Mr. S. Ramkumar, AP/Civil 2. p/2/m/2

Verified by - HoD/Civil

Approved by - Principal

EGE /

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Email: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | 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.

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

ISO 9001:2015 Certified Institution Thalavapalayam, Karur, Tamilnadu. Re. No. 20



## 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. 44 A, thottakuichi, Malayamman Temple (via), Near niver soud, Punjaithottakuichi (Po), Pugatur, Kaan - 639113.
Mobile No.	9151153018
Email ID	info@ keishi ready mix. wm

#### SAMPLE DETAILS

Type of Sample given	Fine aggregate - M-sand
No. of. Sample given	15 49
Name of the Test Requested	1. Specific Gravity 4. Bull-density 2. Sieve analysis 3: Water absorption
Purpose of Testing	for nearly mix concrete
Test Report Hand over to	Ma. C. Sunyakumar.

#### DECLARATION OF THE CLIENT

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

I/We\_C. Gyriye turnou 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.

Consultancy Charges

Rs. 1600/
Consultancy In-Charge

HoD/Civil





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 (Sri Ambal Avenue) - THIRD PARTY INSPECTION CERTIFICATE				
Report Ref. No: MKCE/CE/202	2-23/ <b>19</b>	DATE: 05.12.2022		
Client Details	Mr.K.Kaniraj,  Municipality Commissioner,  Pugalur Municipality, Velayuthampalayam Post,  Pugalur (TK), Karur. Email: <a href="mailto:commr.pugalur@gmail.com">commr.pugalur@gmail.com</a>			
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.	u		
Plot Details	Ward No. 18, Punjaipugalur (North) Village, SF.No. 334/1C, Pugalur Municipality, Karur.			

Based on the inspection carried out on 05<sup>th</sup> 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.

N 200 1101 200	277 John/m	Politain
Report prepared by Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
	.,	COLLEGE

If you require any clarification, please contact

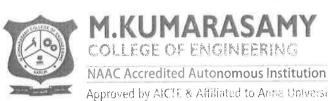
Consultancy In-Charge, Department of Civil Engineering.

Email: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397.



Seal

www.mkce.ac.in





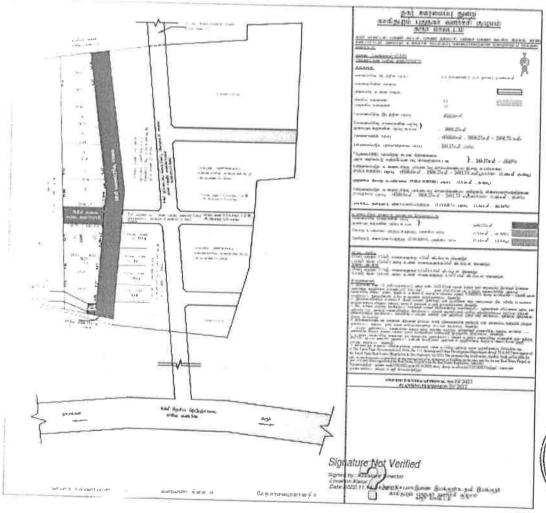
Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution AICTE Approval No. 732-53-004(NDGE) / 97 dt. 22.10.1999

#### **Inspection Report**

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. 334/1C, 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. 334/1C, Pugalur Municipality, Karur on 05<sup>th</sup>December 2022, 03.00 p.m.

The area of land having proposed residential layout is about 01.00 acre (41000 sqm). The proposed plots are 13 and allocated plots is also 13. Fig. 1 shows the approved residential layout.









Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution AICITH Apployer Wations 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	- Troud provide	4
	Type I	Type II
Width of the road	9.75 m	8.76 m
Formation width/Carriage way	7.20 m	
Granular sub base (GSB)		7.20 m
Wet Mix (WM)	20 cm	20 cm
	13.5 cm	13.5 cm
Bituminous Concrete (BC)	2 cm	2 cm

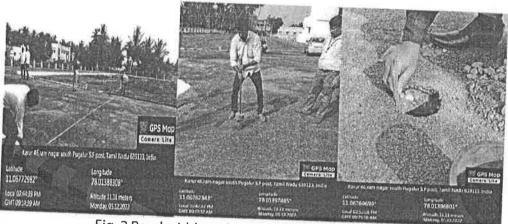


Fig. 2 Road width and cross section measurement

#### 2. Strom water drains

Strom 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 Strom water drain measurement





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#### 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.

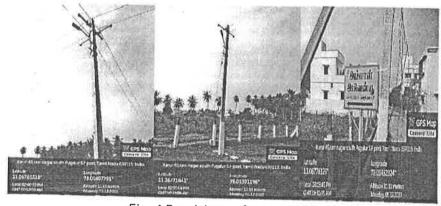


Fig. 4 Provisions of streetlight

Prepared by

(Mr. Gr.Balaji 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

www.mkce.ac.in



#### M.KUMARASAMY COLLEGE OF ENGINEERING





#### 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	Particu	ılars	9	Amount(Rs.)
1	Third party inspection of	certificate		5000.00
	Total Amount	x.	).	5000.00

06/12/2022

11:07:29 AM a

Cashier - NIRMALA K



Thalavapalayam Karut Tamilaadu

Re No:19

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 05/12/22

A SECULIAR MADE A	CLIENT DETAILS
Name of the Client	Ma.k. Kaniraj, Municipality Commissioner, pygalu.
Address of the Client	Puzalur municipality, velayuthampalayam post, Puzalur (TK), Icanur
Mobile No.	
Email ID	comm. pugglur@gmail.com
	SAMPLE DETAILS
Type of Sample given	
No.of.Sample given	
Name of the Test Requested	third party inspection certificate
Purpose of Testing	Proposed Residential Cajout Inspection.
Test Report Hand over to	Mr. k. Balsamy
DECLARATION OF THE CLIENT	, same
Principal, M.Kumarasamy College of Engineering Thalavaplayam, Karur - 639 113.  I/We	declare that the above given information and sample given is od sampling techniques without any concealed material therein. I also nged given by you.
	Signature:
Consultancy Charges	Rs. 5000/_
के.दुक्तें प्राचीन	1. m/5/12/22 Hop-civil.



KR

Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution AICTE Approval No. 732-53-064(NDGE) / 97 dt. 22.10.1999

#### DEPARTMENT OF CIVIL ENGINEERING

		TEST REPORT			
Report Ref. No: MKCE/0	CE/2022-23/18		DATE:	05.12.2022	
Client Details		RK Mess & Catering Ser			
Client Ref. /Date	29.1,1.2022	Letter Dated .	29.11.202	2 :	
Sample Collected date	29.11.2022	Sample received date	29.11.202		
Qty of sample	1 litre	Test commenced on:	30.11.202		
Sample Location	Karur	Test completed on:	02.12.202		
Report Handover to	Ä	Mr.M.Elangovan			
Purpose of the Work		Water testing for drinking	g purpose		

#### RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012
1	Odour	#	IS 3025 : Part 05	Acceptable	Acceptable
=	Taste	(#)	IS 3025 : Part 08	Acceptable	Acceptable
3	Turbidity	NTU	IS 3025 : Part 10	0.1	1
4	pH@ 25°C	(A)	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 pose as per IS 10500: 2012 recommendation.

NOTE:

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

J.J. 55 10122

Tested by Mrs.Raghavi.K, AP/Civil

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

Email: balayıg.civil.a.mkce.ac.in | Mobile: +91 8870881397

Verified By-HoD/Civil

Approved by - Principal

Seal



#### M.KUMARASAMY COLLEGE OF ENGINÉERING





#### Receipt

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	V1	4 × 877	Amount(Rs.)
1	WATER TEST	le.		ř	1000.00
12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	Total Amount				1000.00

05/12/2022

4:29:08 PM

Cashier - GAUTH





AR NOUS

### 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				
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 Engine Thalavaplayam, Karur - 639 113.  I/WeElangovan o my knowledge with assurance indertake the results are not to b	declare that the above given information and sample given is			
	orginature.			
onsultancy Charges	Rs. 1000 1-			

Rs. 1000 1-

HoD/Civil

of salings

Consultancy In-Charge



## M.KUMAKASAMY



NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University ISOMINGEOCONSULTANOY SERVICES TO DEPARTMENT OF CIVIL ENGINEERING

AICTE Approval No. 732-53-004(NDGE) / 97 dt 22 10

	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	e 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/mm<sup>2</sup>

#### 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.

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





(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

Payce Name

Mr.N.Muthuswami

Payment Type

Regular

S.No	Particulars	Amount(Rs.)
1	M Sand Test	1000.00
	ALE - TO Benefit	
	Total Amount	1000.00

08/12/2022

9:49:10 AM

Cashier - GAUTHAM



#### 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/	2022-23/16	DATE: 26,11.2022			
Client Details	Vaatpokki Interiors & Builders, Velusamypuram, Karur, Mobile: +91 9940140310, Email: ernandhui	2435@gmail.com			
Client Ref. /Date	Letter Dated: 26.11.2022				
Report Handover to	Vaatpokki Interiors & Builders, Karur				
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M25 Age of Concrete : 7 days as mentioned	Date of Casting: 15.11.2022  Date of Testing: 26.11.2022  Quantity Received: 1  by the client			
Purpose of the work	For Construction Site.				
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE	- CUBE TEST			

#### RESULT:

.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
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: <u>balalig.ciyil@mkce.ac.in</u> |Mobile: +91 8870881397. Autonomous





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

207 3000	TEST REPORT				
Report Ref. No: MKCE/CE/2	022-23/15	DATE: 26.11,2022			
Client Details	Vaatpokki Interiors & Builders, Velusamypuram, Karur. Mobile: +91 9940140310, Email: ernandhu24	35@gmail.com			
Client Ref. /Date	Letter Dated; 26.11.2022				
Report Handover to	Vaatpokki Interiors & Builders, Karur				
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : M25 Age of Concrete : 7 days as mentioned by	Date of Casting :15.11.2022  Date of Testing :26.11.2022  Quantity Received:1			
Purpose of the work	For Construction Site.				
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE -	CUBE TEST			

#### RESULT:

	Cube Sample	Size (mm)	Compression Load (kN)	Strength (N/mm²)	% Strength Attained	Compressive strength (N/mm²)
1	Sample A <sub>2</sub>	150x150x150	734	32.62	163,11	(14/1/IIII )

#### 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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M.KUMARASAMY COLLEGE OF ENGINEERING (Autonomous) 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

Payce Name

VAAKPOKKI INTERIORS & BUILDERS

Payment Type

S.No	Particulars	Amount(Rs.)
1	CONCRETE CUBE	300.00
	Total Amount	300:00

29/11/2022 12:18:59 PM Cashier - NIRMALA K





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/2	022-23/14		DATE: 25.11.2022	
-	Er. Subramani & CO,			
Client Details	EID Parry, Pugalur.			
	Mobile: +91 9942247816, Email: suriyakumar9292@gmail.com			
Client Ref. /Date	Letter Dated: 23.11.2022		3	
Report Handover to	Mr.C.Suriyakumar			
¥	Type of Sample : Concrete Cube	Date of Castin	g : 27.10.2022	
Constant Describe	Size of the Sample: 150 x 150 x 150 mm	Date of Testin	ig : 25.11.2022	
Sample Details	Grade of Concrete: M25	Quantity Recei	ved:3	
	Age of Concrete : 28 days as mentioned by the client			
Purpose of the work	For Construction Site.	×	1	
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE - CUBE TEST			

#### **RESULT:**

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression / Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	150x150x150	<b>ት</b> 18	-⁄31.91	127.64	
2	Sample A₂	150x150x150	743	33.02	132.08	31.82
3	Sample A₃	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.

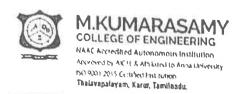
#### NOTE:

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: <a href="mailto:balajig.civil@mkce.ac.in">balajig.civil@mkce.ac.in</a> | Mobile: +91 8870881397.



Name of the Client

Address of the Client

Mobile No.



#### MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 43/11/0-

**CLIENT DETAILS** 

Er. Subramani & co

EID Parry, Pugallun

Mobile No.	9942247816				
Email ID	Suriyakumara212 @gmail.com				
	SAMPLE DETAILS				
Type of Sample given	Concrete Lube				
No. of. Sample given	2'0N E				
Name of the Test Requested	Compressive strength	9. Mos Doc: 27/190			
Purpose of Testing	for site wou.				
Test Report Hand over to	C. Suriya lymay				
DECLARATION OF THE CLIENT					
To The Principal, M.Kumarasamy College of Engineerin Thalavapiayam, Karur - 639 113.  I/We	declare that the above given informat ood sampling techniques without any concealed anged given by you.	ion and sample given is I material therein. I also gnature:			
Consultancy Charges	Rs. 2150/-				
Consultancy In-Charge	d. divi	ひかかか			
	1				





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

Report Ref. No: MKCE/CE/2022-23/13		DATE: 25.11.2022	
Chent 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.

R. Neglija	w/n/2/24.6	Dignon
Report prepared by Mr. R. Dineshkumar, AP/Civil	Verified by HoD/Civil	Approved by Principal
you require any clarification, please consultancy In-Charge, Department of Charge, Depar	Civil Engineering.	THAT COLLEGE OF SUCH





#### **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, Nanaparapu, SF.No: 564/1A, 2, 3A, 4, 5A, 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, street lights, etc while segregation of land into residential plots in Ward No. 18, Nanaparapu, SF.No: 564/1A, 2, 3A, 4, 5A, Pugalur Municipality, Karur on 24th November 2022, 10.00 a.m.

The area of land having proposed residential layout is about 2.35 acres (95140 sqm). The proposed plots is 38 and allocated plots is also 38.

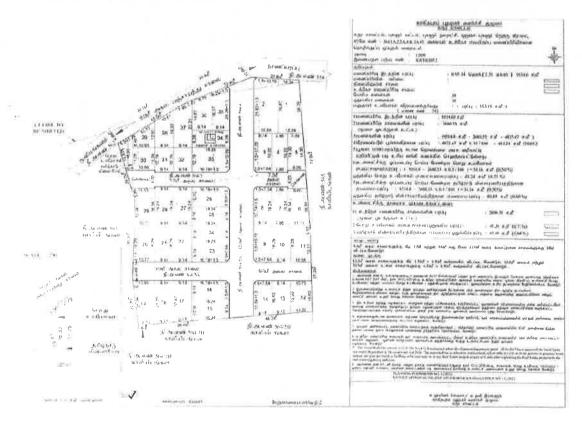


Fig.1 - Approved Residential Layout



Page | 1





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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

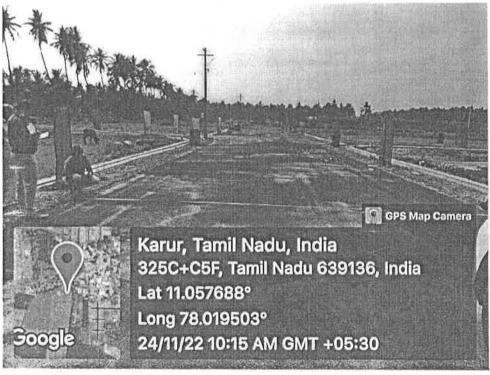


Fig. 2 Road Width Measurement



Page | 2





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Fig. 3 Road cross section Measurement

#### 2. Strom Water Drains

Strom 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.

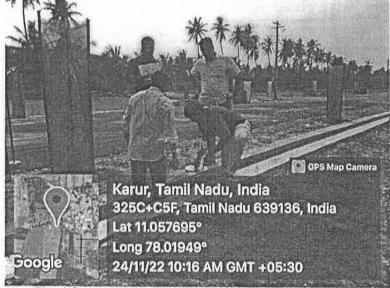


Fig. 4 Strom Water Drains cross section Measurement



Page | 3



KR

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

#### 3. Culverts

Culverts were provided on the road junctions over the strom 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

Prepared by

ER-DINESHEUNARD

APCSTG)/CNI)

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

Approved by PRINCIPAL,

Page | 4

PRINCIPAL,
M. Kumarasamy College of Engineering,
THALAVAPALAYAM,
KARUR - 639 118

# 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				
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 Strom Water with the following specifications:-

Foundation mate 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 slop to dispose of the run – off water into the existing Strom 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 quarantee.
- 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.

Director of Municipal Administration 1/2

## நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை

பெறுநர்:-**முதல்வர்**,

கரூர்.

தளவாபாளையம்,

எம். குமாரசாமிபொறியியல்கல்லூரி,

abolish Delater

அனுப்புநர் :-

திரு. கு. கனிராஜ்,

ஆணையாளர்,

புகழேர்நகராட்சி,

வேலாயுதம்பாளையம் ( அஞ்சல்),

புகழுர்வட்டம்,கரூர் மாவட்டம்– 639 117.

மின்னஞ்சல்: commr.pugalur@gmail.com

ந.க.எண்.792/2022-2/எப்1. நாள் : 22.11.2022.

ஐயா,

பொருள்: மணைப்பிரிவு –சேலம்மண்டலம்–கரூர்மாவட்டம் –புகழூர்நகராட்சி – இந்நகராட்சிக்குட்பட்ட புன்செய்ப்புகழூர் (வடக்கு) கிராமம் புல எண். 334/1சி இல் 1.00 ஏக்கர் பரப்பளவில் அமையும் குடியிருப்பு மணைப்பிரிவில் 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. 334/1சிஇல் 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.

ஆணையாளர், புகழூர்நகராட்சி.

<u>நகல்</u> :

திருமதி. B.செந்தாமரை க/பெ கே.பால்சாமி, கதவுஎண். 48, மேட்டுப்பாளையம், கிழக்கு தவிட்டுபாளையம் (அ), மண்மங்கலம் வட்டம், கரூர்மாவட்டம்.

# Re No:13



# WINDMARASAMY COLLEGE OF ENGLISEED.

(Autonomous)
THALAVAPALAYAM, KARUR (DT), PINCODE - 635-174.
TAMIJ NADU, Phone No.: 04324-276755, 272155

#### Receipt

Ref. No.

1428

Date

25/11/27

Per No

435/22-23

Account

COLLEGE

Payee Name

Mr.Kaniraj

Fayment Type

Regular

S.No	Particulars	Amount(Rs.)
1	Third Party Inspection Certificate	 5000.00
	2	
	Total Amount	5000.00

25/11/2022

10:28:59 AM

MAN Cashier - GAU

Thalavapalayem, Karur, Tamilnadu,

According to the Alexandria Anas Democracy ISC SOOL WITH COME PART TOTAL

ReNo: 12

KR

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

	Date: 25.11.22.
A LIFE	CLIENT DETAILS
Name of the Client	Mr. K. Kaniral, Municipality Commissioner, Rugaliu Municipal
Address of the Client	Municipality commissioner, Pugalui.
Mobile No.	
Email ID	
	SAMPLE DETAILS
Type of Sample given	
No. of. Sample given	
Name of the Test Requested	Third party Inspection Contificate
Purpose of Testing	Proposed Presidential Layout Drespection
Test Report Hand over to	Mr. P. Jayachanduan
DECLARATION OF THE CLIENT	
То	

DECLARATION OF THE CLIENT	
То	
The Principal,	
M.Kumarasamy College of Engineering,	
Thalavapiayam, Karur - 639 113.	
I/We P JAY ACH ANDRAN to my knowledge with assurance of good samp undertake the results are not to be changed give	declare that the above given information and sample given is ling techniques without any concealed material therein. I also en by you.  Signature:
OHI 8 573	. 41
Consultancy Charges - Rg. 5,000 -	8
A Josephin	1. pl /25/11/2
Consultancy-In-Charge	HoD/(Gpt)
	TOP/MYII

## நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை

பெறுநர்:--

முதல்வர்,

கரூர்.

தளவாபாளையம்,

எம். குமாரசாமி பொறியியல் கல்லூரி,

அனுப்புநர் :-

திரு. கு. கனிராஜ்,

ஆணையாளர்,

புகமூர் நகராட்சி,

வேலாயுதம்பாளையம் ( அஞ்சல்),

புகழூர் வட்டம், கரூர் மாவட்டம் – 639 117.

மின்னஞ்சல் : commr.pugalur@gmail.com

ந.க.எண். 598/2022-2/எப்1. நாள் : 21.11.2022.

ஐயா,

மாவட்டம் மண்டலம் கரூர் சேலம் மணைப்பிரிவு பொருள் : 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.

பகுதியில் 18, நாணப்பரப்பு எண். நகராட்சிக்குட்பட்ட வார்டு புகமூர் (தெற்கு ) கிராமம், புல எண். 564/1A, 2, 3A, 4, 5A இல் 2.35 ஏக்கர் புண்செய்ப்புகழூர் வசதிகள், மேற்கொள்ளப்பட்டுள்ள சாலை பரப்பளவில் மனைப்பிரிவில் அமையும் மழைநீர் வடிகால் வசதிகள், தெருவிளக்கு வசதிகள் மற்றும் குடிநீர் பகிர்மான குழாய் வசதிகள் தர ஆய்வு செய்து ( Third Party Inspection ) சான்று பெற்று ஆகிய பணிகளுக்கு வழங்குமாறு கனிவுடன் கேட்டுக்கொள்கிறேன்.

<u>நகல்</u> :

திரு. ப. ஜெயச்சந்திரன் மற்றும் திரு. சி. தங்கவேல், கதவு எண். 2/174, ஆலமரத்துமேடு, திருக்காட்டுத்துறை, புகழூர் வட்டம், கரூர் மாவட்டம்.

புகழூர் நகராட்சி. BS 21/11/2022





#### 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

C	TEST REPORT		
Report Ref. No: MKCE/CE/20	22-23/ <b>12</b>	DATE: 02.11.2022	
Client Details	SRI AMMAN HOLLOW BLOCKS, Velayuthampalayam to Erode main road, Mobile: 9944436425	Muthanur – 639 117 .	
Client Ref. /Date	Letter Dated: 02.11.2022		
Report Handover to	Mr.R.Rajendrakumar	7	
Sample Details	Type of Sample : Paver Block Size of the Sample : 250x115x80 mm Grade of Block : <b>M40</b>	Condition: Satisfactory  Type: Zig Zag  Quantity Received: 3	
Purpose of the work	For construction work		
Type of Test	COMPRESSIVE STRENGTH OF PAVER BI	LOCK – PAVER BLOCK TEST	

#### **RESULT:**

S.No.	Block Sample	Size (mm)	Area of the block (mm²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm²)	*Corrected *Compression Strength (N/mm²) (Correction Factor =1.18)	Average. Corrected Compression Strength (N/mm²)
1	Sample A <sub>1</sub>	250x115x80	28750	5.600	981000	34.12	40.26	
2	Sample A₂	250x115x80	28750	5.400	1058000	36.80	43.42	41.84

#### .eference:

✓ As per IS 15658: 2006, The minimum average 28 Days Compressive Strength should be 40.41 N/mm².

#### Remarks:

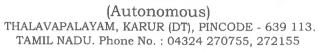
✓ The given block samples are attained the recommended average compressive strength. So, the given paver block samples are suitable for construction.

#### NOTE:

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

O DITHIA	d Color Silvino	De zator.
Tested by – Mr. G. Balaji, AP/Civil	Verified by – HoD/Civil	Approved by - Principal
เร you require any clarification, please conta	SENT OF C	
Consultancy in-Charge, Department of Civil	M.K.C.E.	
Email: <u>balajig.civil@mkce.ac.in</u>   Mobile: +91	8870881397.	( KARUR.)







#### 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



Name of the Client

Address of the Client

Thalavapalayam, Karur, Tamilnadu.

RE NO 10 Kg

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: Olilloon

**CLIENT DETAILS** 

Sri Amman Hollow Blocks

V. Palayam to Estade main Road Muthanus-639113.

Mobile No.	9944436425			
Email ID				
	SAMPLE DETAILS			
Type of Sample given	faver Block			
No. of. Sample given	21			
Name of the Test Requested	Compression Pest	Chade Myo.		
Purpose of Testing	for Ste work			
Test Report Hand over to	Rajendag kumag R			
DECLARATION OF THE CLIENT				
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.  I/We Rajendsa kumas.	R declare that the shows	given information and sample given is		
to my knowledge with assurance of g undertake the results are not to be ch	oog samming terminnies withou	t any concealed material therein. I also		
	· · · · · · · · · · · · · · · · · · ·	Signature: P. Parmy		
Consultancy Charges	Rs. 500/-	1. XX (1)11/2		
Consultancy In-Charge		od/Gwi		



# M.KUMARASAMY



Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution A!CTE 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
	Vaatpokki Interiors & Builders,	
Client Details	Velusamypuram, Karur.	
	Mobile: +91 9940140310, Email: ernandhu	12435@gmail.com
Client Ref. /Date	Letter Dated:14.10.2022	
Report Handover to	Vaatpokki Interiors & Builders, Karur	
	Type of Sample : Concrete Cube	Date of Casting :04.10.2022
Sample Details	Size of the Sample :150 x 150 x 150 mm	Date of Testing: 14.10.2022
Sample Details	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 CONCRETI	E – CUBE TEST

#### **RESULT:**

S.No.	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	150x150x150	477	21.20	106	
2	Sample A <sub>2</sub>	150x150x150	437	19.42	97.11	20.31

#### Reference:

 $\checkmark$  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: balang.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.

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
		4
	Total Amount	300.00

20/10/2022

10:20:32 AM

Cashier - NIRMALA K





NAAC Accredited Autonomous Institution

Approved by ARTI. & Allihoted to Anna University 150 9001 2015 S. ISO 14001 2015 Certified Institution A CTE Approval No. 732 53 004(NDGF) / 97 dt. 22 10.1999

## MKCE CONSULTANCY SERVICES - DEPARTMENT OF CIVIL ENGINEERING

	TEST REPORT	
Report Ret No. MRCE/CE	/2022-23/10	DATE: 12.10.2022
Prink	Vaatpokki Interiors & Bullders, Velusamypuram, Karur. Mobile: +91 9940140310, Emall: ernandhu2435	@gmall.com
Cont Ref. /Date	Letter Dated:12.10.2022	
Report Handover to	Vaatpokki Interiors & Builders, Karur	
Sample Details		ate of Casting :05.10.2022 ate of Testing :12.10.2022 lient
Purpose of the work	For Construction Site.	<b>第</b> 55
Type of Test	COMPRESSIVE STRENGTH OF CONCRETE - CU	JBE TEST

#### RESULT

\$ \$0	Cube Sample	Size (mm)	Ultimate Compression Load (kN)	Compression Strength (N/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	150x150x150	398	17.68	88.44	See.
2	Sample Az	150x150x150	284	12.62	63.11	15.15

#### Reference:

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

If you require any clarification, please contact

| Consultancy In-Charge, Department of Civil Engineering | From Todang cryfl@mkce.ac.in [Mobile: +91 8870881397.





(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
20		
	62	
g-* 4.44 h	Total Amount	300.00

13/10/2022

Barrer 6

9:51:02 AM

Cashier - GAUTHAMAN





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/20	22-23/ <b>09</b>		DATE: 07.10.2022
Client Details	SRI KUMARAN AUTO FUELS,  OPP to green garden, manauadi, Karur -5.  Mobile: 9597390378, Email: kumareshkmk95	s@gmail.com	
Client Ref. /Date	Letter Dated: 07.10.2022		
Report Handover to	Mr.M.Kumaresan		
Sample Details	Type of Sample : Paver Block Size of the Sample : 250x115x80 mm Grade of Block : <b>M40</b>	Condition Type Quantity Re	: Satisfactory : Zig Zag eceived : 3
Purpose of the work	For laying outside of petrol bunk		
Type of Test	COMPRESSIVE STRENGTH OF PAVER BLOC	CK – PAVER E	BLOCK TEST

#### **RESULT:**

S.No.	Block Sample	Size (mm)	Area of the block (mm²)	Weight of the block (kg)	Ultimate Compression Load (N)	Compression Strength (N/mm²)	Corrected Compression Strength (N/mm²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm²)
1	Sample A <sub>1</sub>	250x115x80	28750	6.140	923000	32.75	38.65	
2	Sample A₂	250x115x80	28750	6.290	1075000	37.39	44.12	42.45
3	Sample A <sub>3</sub>	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.

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

M.K.G.E. KARUR.

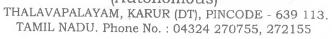
www.mkce.ac.in

Re No: 09



# M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)





#### 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
o	Total Amount	300.00

13/10/2022 9:53:0

9:53:04 AM

Cashier - GAUTHAMAN





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 CIVIL ENGINEERING

	TEST	T REPORT			
Report Ref. No: MKCE	/CE/2022-23/08	9	DATE:	30.09.2022	
Client Details		Mr. Venkatesh			
Client Ref. /Date:	27.09.2022	Letter Dated:	2	27.09.2022	
Sample Collected date	27.09.2022	Sample received date	2	7.09.2022	
Report Handover to	0	Mr.Venkatesh			
Purpose of the Work	1	Water testing for drinking purpose			
Oty. of sample 5 litre		Test commenced on:		8.09.2022	
Sample Location Bore Water Srinivasapuram, Karur		Test completed on:	3	0.09.2022	

#### RESULT:

S.No	Parameters	Units	Test method	Result	IS 10500:2012 Acceptable limit
1	рН@, 25°С	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	r I la la
8	Dissolved Oxygen	mg/L	IS 3025: Part 38	3.2	6.5-8

<u>REMARKS:</u> 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

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering.

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

Approved by - Principal

Earl

Seal



KR

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 CIVIL ENGINEERING

	TEST	T 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:		7.09.2022	
Sample Collected date	27.09.2022	Sample received date	2	7.09.2022	
Report Handover to		Mr. Venkatesh			
Purpose of the Work		Water testing for drinking purpose			
Qty. of sample 5 litre		Test commenced on:		8.09.2022	
Sample Location Corporation Water Srinivasapuram, Karur		Test completed on:	3	0.09.2022	

#### **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	11
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. Sandhiya .M, AP/Civil Ve

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





(Autonomous)
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
8		
	Total Amount	2000.00

30/09/2022

4:18:40 PM

Cashier - GAUTHAN



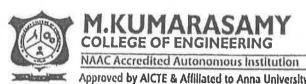


## MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 27.09.22

CLIENT DETAILS Name of the Client Mar VENKATESH Soninivasa Rusam Address of the Client Kourwibile No. 9384023296 Email ID verkatug98@gmail.com SAMPLE DETAILS Type of Sample given Cogposation Water, Buse Water No. of. Sample given 2 TDS, PH, Handness, Chlorides, Sulphates, Do Name of the Test Requested Alkalimity Drinking water Purpose of Testing Test Report Hand over to Venkatesh DECLARATION OF THE CLIENT To The Principal, M.Kumarasamy College of Engineering. Thalavaplayam, 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: 61. Va Rs. 2000/-Consultancy Charges Consultancy In-Charge

HoD/Civil





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/20	Report Ref. No: MKCE/CE/2022-23/06				
Client Details	SRI KUMARAN AUTO FUELS,  OPP to green garden, manauadi, Karur -5.  Mobile: 9597390378, Email: <u>kumareshkmk95@gmai</u>	DATE: 29.09.2022			
Client Ref. /Date	Letter Dated:29,09,2022				
Report Handover to	Mr.M.Kumaresan				
Sample Details	Type of Sample :Paver Block Condition:Satisfaction Size of the Sample :245x115x80mm Type :Zig Zamade of Block :M40Quantity Received : 2				
Purpose of the work	For laying outside of petrol bunk				
Type of Test	COMPRESSIVE STRENGTH OF PAVER BLOCK- PA	VER BLOCK TEST			
RESULT:					

S.No.	Block Sample	Size (mm) 245x115x80	Area of the block (mm²)	Weight of the block (kg)	Compression Load (N)	Compression Strength (N/mm²)	Corrected Compression Strength (N/mm²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm²)
	Squible V3	2438113800	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 arenot attained the recommended average compressive strength. So, the given paver . block samples are notsuitable 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 If you require any clarification, please contact NY COLL

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/20	022-23/05	DATE: 29.09.2022			
Client Details	SRI KUMARAN AUTO FUELS,  OPP to green garden, manauadi, Karur -5.  Mobile: 9597390378, Email: kumareshkmk95@g	mail.com			
Client Ref. /Date	Letter Dated:29.09.2022  Mr.M.Kumaresan				
Report Handover to					
Sample Details	Type of Sample :Paver Block Condition:Sati Size of the Sample :245x115x80mm Type :Zig 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 (mm²)	Weight of the block (kg)	Ultimate Compression Load (N)	(N/mm²)	Corrected Compression Strength (N/mm²) (Correction Factor =1.18)	Average Corrected Compression Strength (N/mm²)
1	Sample A <sub>1</sub>	245x115x80	28175	5.440	7.32000	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. Balajl, AP/Civil Verified by - HoD/Civil Approved by - Principal

If you require any clarification, please contact

Consultancy In-Charge, Department of Civil Engineering. Fmail: <u>balajig.civil@mkce.ac.in</u> |Mobile: +91 8870881397.

RE NO: 05 406



# M.KUMARASAMY COLLEGE OF ENGINEERING





#### 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 - GAUTH





NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University 1SO 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	DATE: 09.09.2022				
	SRI KURINJI BRICKS,				
Client Details	No. 109/2, Theeran Nagar, Erode Main Road, Near IM.	A Hall, Atur Post,			
Chefit Details	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.				
/	Type of Sample : Fly Ash Cement Brick				
Sample Details	Size of the Sample: 225 x 100 x 70 mm Date of T	esting : 09.09.2022			
	Quantity Received: 3				
Purpose of the work	For Construction Site.				
Type of Test COMPRESSIVE STRENGTH OF FLY ASH BRICK - BRICK TEST					
DECIII T.					

#### **RESULT:**

S.No.	Brick Sample	Size (mm)	Weight of Sample (kg)	Ultimate Compression Load (kN)	Compressive Strength of Fly Ash brick (kg/cm²)	Avęrage Compressive Strength of Fly Ash brick (kg/cm²)
1	Sample 1 -Old	225 x 100 x 70	3.540	295	133.69	(i.g/ont)
2	Sample 2- Old	225 x 100 x 70	3.340	212	96.08	118.28
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 hrick 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.

Emālik latilaji gveivi i @mkizeri o i duļ Midlai 16399 138 8 7088 1 943 24 - 270755, 272155

M.K.C.E, KARUR. Www.mkce.ac.in



# M.KUMARASA



NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified institution A!CTE 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	E/2022-23/ <b>03</b> DATE: 09.09.202				
	SRI KURINJI BRICKS,				
Client Details	No. 109/2, Theeran Nagar, Erode Main Road, Near IMA Hall, Atur Post, Karur, Tamil Nadu – 693 002. Mobile: 79045 07150. Email: <a href="mailto:srikurinjibricks@gmail.com">srikurinjibricks@gmail.com</a>				
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/cm²)	Average Compressive Strength of Fly Ash brick
1	Sample 1 -New	225 x 100 x 70	3.380	241	109.22	(kg/cm²)
2	Sample 2- New	225 x 100 x 70	3.600	244	110.58	115.87
3	Sample 3- New	225 x 100 x 70	3.430	282	127.80	115.87

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:**

✓ 1<sup>st</sup> class brick is 105 kg/cm<sup>2</sup>. 2.  $2^{nd}$  class brick is 70 kg/cm<sup>2</sup>. 3. Common building brick is 35 kg/cm<sup>2</sup>. 4. Fly Ash brick is 90 to 150 kg/cm<sup>2</sup>

#### Remarks:

 $\checkmark$  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: Lalaiis civil@unkce.alc.inulMidbilei30913887088194324 - 270755, 272155

www.mkce.ad.in



(Autonomous)

Thatas APAGAYAM, KARUK SUFL PINCODE - 639 113. SAMIL NADU, Phone No.: 04324 270755, 272155



#### Redeint

Ref. No.

17)17

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
98		
	Total Amount	600.00

09/09/2022 3:45-12 PM

Cashier - GAUTHAMAN



NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University ISO 9001:2015 & ISO 14001:2015 Certified Institution A!CTE 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/ <b>02</b>	DATE: 29.08.2022				
	Mr.Veeramani,	14.30				
Client Details	Palammalpuram,					
	Karur D.T. Mobile: 9629130140.	Su <sup>e</sup>				
Client Ref. /Date	Letter Dated: 29.08.2022					
Report Handover to	Saravanaa RMC, Karur					
Sample Details	Type of Sample : Concrete Cube Size of the Sample : 150 x 150 x 150 mm Grade of Concrete : <b>M20</b> Age of Concrete : 28 days as mentioned	Date of Casting : 01.08.2022  Date of Testing : 29.08.2022  Quantity Received : 2  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/mm²)	% Strength Attained	Avg. Compressive strength (N/mm²)
1	Sample A <sub>1</sub>	150x150x150	623	27.68	138.44	26.64
2	Sample A <sub>2</sub>	150x150x150	576	25.60	128	26.64

#### 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 1/6

If you require any clarification, please contact

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



Seal

(Autonomous)

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

# Receipt

Account Date 280/22-23 905 Rec. No. Ref. No.

01/09/2022 • COLLEGE A/C

Mr.Veeramani (Saravana RMC)

Regular Payment Type Payee Name

	•	
Amount(Rs.)	300:00	300.00
Particulars	Compression Test	Total Amount
S.No	е	

Cashier - GAUTHAMAN

01/09/2022

10 04:52 AM



KR

Re.No. 02

NAAC Accredited Autonomous Institution Approved by AICIT & Alfolated to Anna University ISO 9001,2015 Certified Institution Thalavapalayam, Karur, Tamlinadu.

# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 29/8/2~

**CLIENT DETAILS** 

Name of the Client	Saravanaa RMC [Mi. Veeramani]				
Address of the Client	palammalpuram, learne				
Me e No.	962130160				
Email ID	Saravanaa amc 2 C gmail, com				
<u> </u>	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. thipassrajan.P				
DECLARATION OF THE CLIENT					
To The Principal, M.Kumarasamy College of Engineerin Thalavaplayam, Karur - 639 113.					
to my knowledge with assurance of a undertake the results are not to be cl	declare that the above given information and sample given is good sampling techniques without any concealed material therein. I also hanged given by you.  Signature:				
	Signature. Other				
Consultancy Charges	Rs. 200)—				
Consultancy In-Charge	HoD/Civil 4.5 30 p/w				





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 CIVIL ENGINEERING

		TEST REPORT		
Report Ref. No: MKCE/CE/2022-23/01			DATE: 25.08.20	
Client Details		Mr.N.Muthuswami		
Client Ref. /Date:	22.08.2022	Letter Dated:	22.08.20	22
Sample Collected date	22.08.2022	Sample received date	22.08.20	
Report Handover to		Mr.Santhosh		
Purpose of the Work		Water testing for construction		
Qty. of sample	1 litre	Test commenced on:	23.08.20	22
Sample Location RESULT:	Karur	Test completed on:	25.08.20	

S.No	Parameters	Units	Test method	Result	IS 10500:2012 and
1	Odour		IS 3025 : Part 05	A + 11	IS 456:2000
2	Taste			Acceptable	Acceptable
		-	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	
5	Total Suspended Solids	ma co /T			500
		mg/L	IS 3025 : Part 17	150	2000
6	Organic Solids	mg/L	IS 3025 : Part 18	100	200
7	Inorganic Solids	mg/L			200
0		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			200 101 KCC & 2000 101 PCC
-		mg/L	IS 3025 : Part 24	138	400

REMARKS: The Collected water sam	ole characteristics are suitable for cons	
NOTE:		
This report is given to the client based of	on the samples provided by them.	
U.S.	(1)	

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





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

# Receipt

ef. No.

865

Date

25/08/2022

ec. No.

265/22-23

Account

COLLEGE A/

ayee Name

Mr.Muthuswami

ayment Type : Regular

S.No	Particulars	Amount(Rs.)
1	Water Tessting For Drinking & Construction	2000.00
·2		
	Total Amount	2000.00

25/08/2022

4:39:58 PM

Cashier - GAUTHAMAN

ISO 9001 2015 Certified Institution Thalavapalayam, Karur, Tamilifiadu. Re- No:01



# MKCE CONSULTANCY SERVICES DEPARTMENT OF CIVIL ENGINEERING

Date: 22 '08 2022

*	CLIENT DETAILS
Name of the Client	N. MUTHUSWAMI
Address of the Client	Kanur
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
Tost Report Hand over to	Santhosh [9047095409],
DECLARATION OF THE CLIENT	
To The Principal, M.Kumarasany College of Engineer Thalavaplayam, Karur - 639 113.	ring,
I/WeSanthash to my knowledge with assurance o undertake the results are not to be	f good sampling techniques without any concealed material therein I also
Consultancy Charges	Rs. 2000/-
Consultancy In-Charge	HoD/Civil V. 1- 25/9/2
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