



KSSEM

KAMMAVARI SANGHAM (R), 1952
K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi
15, Near Vajarahalli, Mallasandra, off Kanakapura Road,
Bengaluru - 560 019, www.kssem.edu.in

Tel : +91 80 28425012/013/163, Fax : +91 80 28425164, Mob : 8884444408

Date: 16/09/2019

From,

Dr. Vijaylakshmi Akella
HOD, Department of Civil Engineering
K S School Of Engineering and Management
Mallasandra, Bengaluru-560109.

To,

The Manager
Tulasi Concretes,
Santrupthi Layout opp,
Kothnur Main road, South city,
Jp nagar 7th phase,
Bangalore 560078

Sir,

Subject – Permission to visit your RMC plant.

I am writing this letter to seek your permission to visit the RMC plant on the 18th of September. I would like to share that we have planned this site visit for our 3rd year and 5th year Civil engineering students in order to give them an insight about the way things work in the RMC plant.

We intend to visit the entire plant and show the tasks handled in different departments to our students. I ensure that safety precautions will be taken care by our faculty members and accompanying students.

Please give us an opportunity to visit the site and oblige.

Thanks and Regards

Dr. Vijaylakshmi Akella

W Akella
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062.

K. Rama 16/9/19
Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

Tulasi Concretes
#104, Tulasi Pura, Gollahalli,
Aranganapura Post, Bangalore South City,
Bangalore - 560 062.

Scanned with CamScanner

Scanned by CamScanner



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT - 560 109

DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

Date: 16/09/2019

This is to inform III and V Semester students that field visit to TULASI RMC PLANT have been arranged on 18-09-2019. Kindly make the best utilization of this field visit. Transportation facility is been arranged by the college

Signature:

Faculty Co-ordinator:

Handwritten signature of Faculty Co-ordinator
B. S. J.
Amrutha D.

Student Co-ordinator:

Handwritten signature of Student Co-ordinator
Naveed Hassan

Handwritten signature of Head-Department

Head-Department
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering and Management
Bangalore-560 002

DEPARTMENT OF CIVIL ENGG

V SEM CLASS LIST

Industrial Visit Tulasi RMC Plant 18-09-2019

Sl no	USN NO	Name of the Student	Attendance
1	IKG15CV004	BALUSU SAI KRISHNA	P
2	IKG16CV019	HEMANTHA N	P
3	IKG16CV024	K R HEMANTH	P
4	IKG16CV027	KRUTHIK R	P
5	IKG16CV043	RAKSHITH MAHESH	P
6	IKG16CV049	SARAJUDDIN	P
7	IKG16CV053	SUJAN L	P
8	IKG17CV002	AKARSH HARI	P
9	IKG17CV004	ANIRUDH S	P
10	IKG17CV005	ARAVINDH S	P
11	IKG17CV007	DARSHITH G	P
12	IKG17CV008	DEEKSHA KN	P
13	IKG17CV010	GANESH S	P
14	IKG17CV012	HARSHITH BABU N	P
15	IKG17CV013	HARSHITHA V	P
16	IKG17CV014	JAYANTH N J	P
17	IKG17CV016	KAVYAPRIYA J	P
18	IKG17CV017	KRUPA L	P
19	IKG17CV018	MADEEHA BANU	P
20	IKG17CV019	MANI C	P
21	IKG17CV020	MANIKANTA P	P
22	IKG17CV022	MANOJ T V	P
23	IKG17CV023	MONISHA C	P
24	IKG17CV024	MUKESH M	P
25	IKG17CV025	NANDAN GOWDA V A	P
26	IKG17CV026	NIKHIL C	P
27	IKG17CV027	NIKITHA B M	P
28	IKG17CV028	NISHANTH V	P
29	IKG17CV030	RAHUL S BUDLE	P
30	IKG17CV032	RAVI TEJA S P	P
31	IKG17CV033	ROHITH P G	P
32	IKG17CV034	SREE VENKAT C	P
33	IKG17CV035	SUMAN N	P
34	IKG17CV036	SYED RIYAZ	P
35	IKG17CV037	TARUN S	P
36	IKG17CV039	UDAY GOWDA N	P
37	IKG17CV040	VIKAS VENKATESH	P
38	IKG17CV041	VINAY H L	P
39	IKG17CV042	VISHAL KUMAR DUBEY	P
40	IKG17CV043	VYSHAK S PRASAD	P
41	IKG17CV044	NAVEED TAREEN PATHAN	P
42	IKG18CV400	ARUN.M	P
43	IKG18CV401	ASHWATH K	P
44	IKG18CV402	CHANDAN.R	P
45	IKG18CV403	CHAYIPRAKASH	P
46	IKG18CV404	HARSHAVARDHAN.K.C	P
47	IKG18CV405	J ABBAS	P
48	IKG18CV406	LAVANYA.M	P
49	IKG18CV407	LOKESH.M	P
50	IKG18CV409	MONICA SELATH.C	P
51	IKG18CV412	PRIYANKA N B	P
52	IKG18CV414	TUSHAR SINGH.J	P
53	IKG18CV415	YASHWANTH.V	P
54	1YD18CV400	SARANYA D	P

W. Kelle
 Professor & Head
 Dept. of Civil Engineering
 K. J. Somaiya Institute of
 Technology & Management
 Wagle Estate, Mumbai - 400 002.

Faculty co-ordinators - Prashanth M - *Prashanth*
 Manjunath B - *Manjunath*

DEPARTMENT OF CIVIL ENGG			
III SEM CLASS LIST			
Industrial visit to Tulasi RMC Plant 18-09-2019			
Sl no	USN NO	Name of the Student	Attendance
1	1KG16CV006	ANIL KUMAR T	P
2	1KG17CV003	AKASH K MURTHY	P
3	1KG17CV006	BHAGATH H K	P
4	1KG17CV009	DINESH KRISHNAN	P
5	1KG17CV015	YASHWANTH K	P
6	1KG18CV001	AISHWARYA M	P
7	1KG18CV002	AISHWARYA S	P
8	1KG18CV003	ANUP	P
9	1KG18CV004	B NAVEEN	P
10	1KG18CV005	BANASHREE B	P
11	1KG18CV007	CHETHANA C R	P
12	1KG18CV010	L SUHAS	P
13	1KG18CV011	LAVANYA S	P
14	1KG18CV012	MADHUNANDAN S	P
15	1KG18CV013	MARY AISHWARYA B	P
16	1KG18CV014	NARASIMHA SHENOY K P	P
17	1KG18CV015	NIRMITHA S	P
18	1KG18CV016	PRABIN SINGH	P
19	1KG18CV017	PRAJWAL M	P
20	1KG18CV020	RAVI V	P
21	1KG18CV021	REEMASHREE DAS	P
22	1KG18CV022	SACHIN SANGAPPA KAGAL	P
23	1KG18CV023	SANDEEP A PATRE	P
24	1KG18CV025	SANTHOSH C HARAVI	P
25	1KG18CV026	SHREYAS PRASANNA	P
26	1KG18CV027	SUNITHA T U	P
27	1KG18CV028	SWATHI K	P
28	1KG18CV029	T M ROHIT YADAV	P
29	1KG18CV030	TEJASWINI SHIVARAM	P
30	1KG18CV031	VARSHA R	P
31	1KG18CV032	VARUN C J	P
32	1KG18CV033	ABHINANDAN CHAGAT	P
33		MOUNESH KUMAR N	P
34		CHAITANYA K N	P
35		RAKESH D	P
36		PRADEEP KUMAR S T	P
37		SHIVRAJU	P
38		NANDARAJ	P
39		LOKNATH S	P
40		CHANDRASHEKAR C	P
41	IYD16CV001	ARUN GOWDA S KADUR	P
42	ICE18CV001	CHAITHRA J	P

Faculty co-ordinator - Prashanth .M

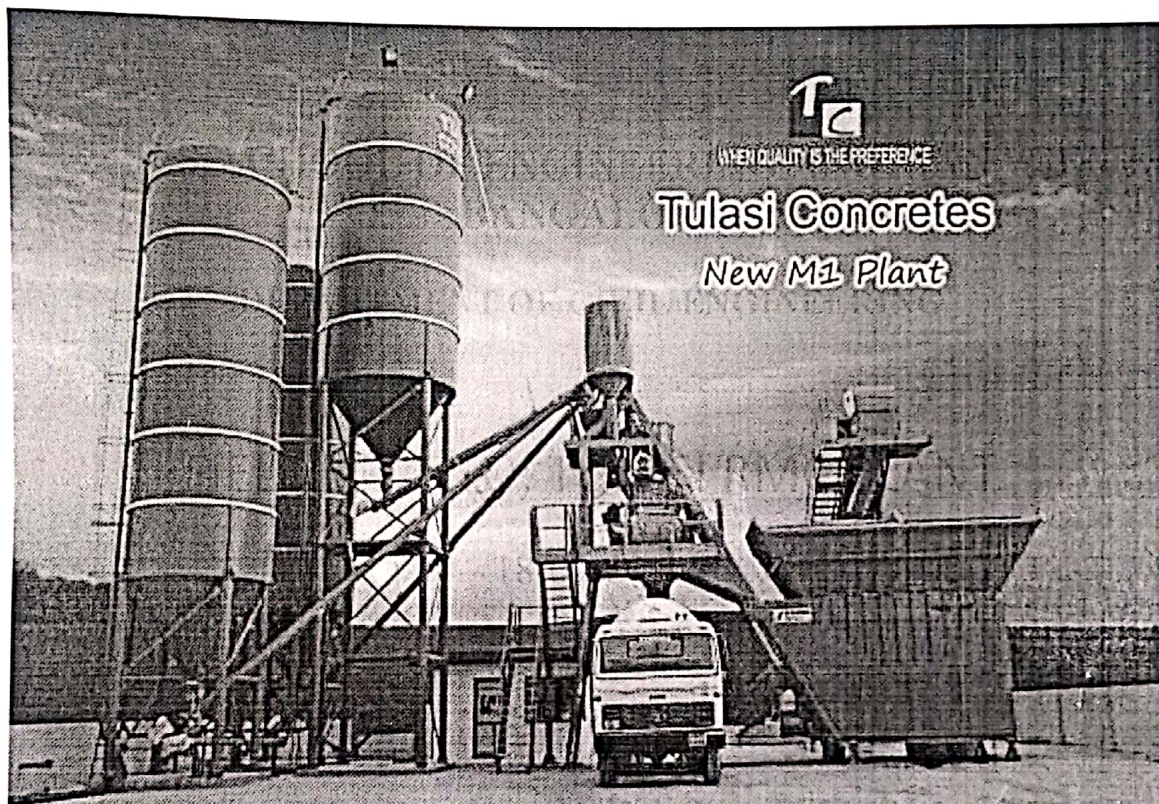
Manjunath .B

hskelle
 Professor & Head
 Dept. of Civil Engineering
 K.S. School
 Management

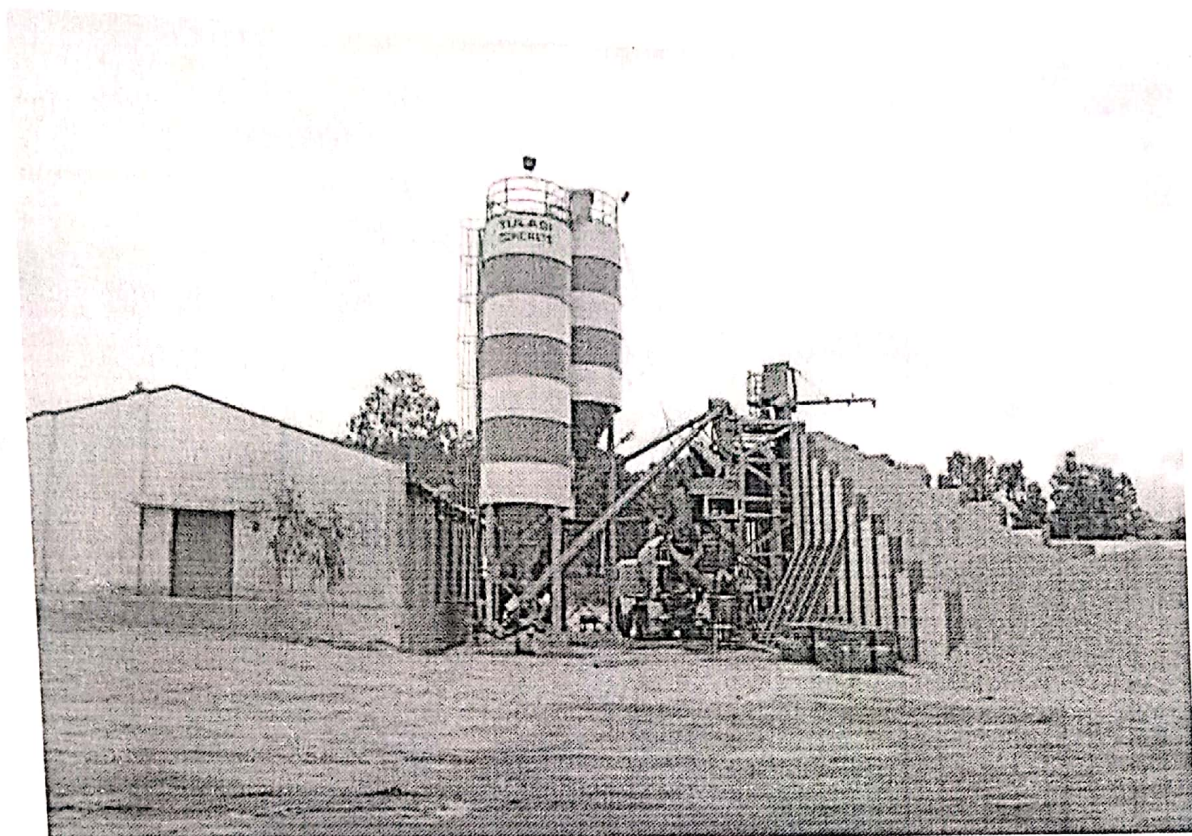
Prashanth
Manjunath

FIELD VISIT TO; TULASI RMC PLANT

18-09-2019



Tulasi Concrete Batching Plant



Overview:

TULASI CONCRETES established in the year 2005, they are well known in ready mix concrete manufacturers and dealers. Tulasi Concretes in Kanakapura Road, Bangalore is a top player in the category Ready Mix Concrete Dealers in the Bangalore. This well-known establishment acts as a one-stop destination servicing customers both local and from other parts of Bangalore. Over the course of its journey, this business has established a firm foothold in its industry. The belief that customer satisfaction is as important as their products and services, have helped this establishment garner a vast base of customers, which continues to grow by the day. This business employs individuals that are dedicated towards their respective roles and put in a lot of effort to achieve the common vision and larger goals of the company. In the near future, this business aims to expand its line of products and services and cater to a larger client base. In Bangalore, this establishment occupies a prominent location in Kanakapura Road. It is an effortless task in commuting to this establishment as there are various modes of transport readily available. It is at

Tulasipura, Anjanapura Post, Near Nice Road, which makes it easy for first-time visitors in locating this establishment. It is known to provide top service in the following categories: Ready Mix Concrete Dealers, Ready Mix Concrete Manufacturers.

Salient Features:

- Concrete Batching / Mixing plant available in 45 to 240 m³/hr. capacity.
- Aggregate stored by Inline Bins.
- Aggregate weigh is suspended on Four "S" type load cells, gives higher accuracy.
- Independent weighing system for Aggregate/Cement/Water & Additive.
- Fully Automatic-Electronic operation with PLC/PC Control.
- Required installation time is very less, due to Modular design.
- Available with Single Shaft / Twin Shaft / PAN / Planetary type Mixers.
- Reliable, Fast and Accurate Electronic Weighing System for major inputs.
- Full service, technical support and spares back-up.

Optionals:

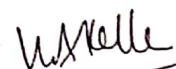
- Cement / fly ash storage & conveying system from 20 to 200 MT capacity.
- Microwave Moisture Meter.
- Computer SCADA System with software.
- Radial Conveyor Belt for Agg. Feeding

Products and Services offered:

Tulasi Concretes in Kanakapura Road has a wide range of products and services to cater to the varied requirements of their customers. The staff at this establishment are courteous and prompt at providing any assistance. They readily answer any queries or questions that you may have. Pay for the product or service with ease by using any of the available modes of payment, such as Cash, Cheques. This establishment is functional from Open 24 Hrs - Open 24 Hrs.



Industrial Visit Coordinator



Head of the Department

Professor & Head

Dept. of Civil Engineering

K.S. Group of Institutions

K.S. School of Engineering & Management
Bangalore-560 062



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT - 560 109

DEPARTMENT OF CIVIL ENGINEERING


CIRCULAR

Date: 04/11/2019

This is to inform III semester students that, the field visit to Sri Banashankramma Interlocking Blockshas been arranged on 05-11-2019. Kindly make the best utilization of this field visit. Transportation facility is been arranged by the college.

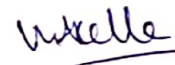
Signature:

Faculty Co-ordinator:


Eushma . M

Student Co-ordinator:




Head-Department
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 002



KSSEM

KAMMAVARI SANGHAM (R), 1952
K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi
15, Near Vajarahalli, Mallasandra, off Kanakapura Road,
Bengaluru - 560 019, www.ksssem.edu.in
Tel : +91 80 28425012/013/163, Fax : +91 80 28425164, Mob : 8884444408

To.
Sri Banashankamma Interlocking blocks.

Subject: Request letter for Educational site visit.

Dear Sir/ Madam,

As a part of our subject Brick manufacturing, we students of 3rd semester of K.S. School of Engineering and Management, would like to visit your brick manufacturing site. This is with an objective of giving them an insight of work and research being conducted.

In connection with this, we would like to request your manufacturer to allow us to a visit and have briefing regarding the importance of brick manufacturing to our students. Kindly accord a permission to visit your manufacturing site for a team of 44(42 students + 2 faculty) on 05-11-2019.

Faculty coordinator:

1. Naveena M P
2. Sushma M

Student coordinator :

1. Narasimha Shenoy K P
2. Bhagath H K
3. Shivraju

AKella 5/11/19
Dr. Vijayalakshmi Akella
Head of Civil Engineering Department
K.S.School of Engineering & Management

Professor & Head
Dept. of Civil Engineering
K.S. School of Engineering & Management
Bangalore-560 062

V. N. Shrikumar



STUDENT LIST

Sl no	USN NO	Name of the Student
1	1KG16CV006	ANIL KUMAR T
2	1KG17CV003	AKASH K MURTHY
3	1KG17CV006	BHAGATH H K
4	1KG17CV009	DINESH KRISHNAN
5	1KG17CV015	YASHIWANTH K
6	1KG18CV001	AISHWARYA M
7	1KG18CV002	AISHWARYA S
8	1KG18CV003	ANUP
9	1KG18CV004	B NAVEEN
10	1KG18CV007	CHETHANA C R
11	1KG18CV010	L SUHAS
12	1KG18CV011	LAVANYA S
13	1KG18CV012	MADHUNANDAN S
14	1KG18CV013	MARY AISHWARYA B
15	1KG18CV014	NARASIMHA SHENOY K P
16	1KG18CV015	NIRMITHA S
17	1KG18CV016	PRABIN SINGH
18	1KG18CV017	PRAJWAL M
19	1KG18CV020	RAVI V
20	DIPLOMA	MOUNESH KUMAR N
21	DIPLOMA	NANDARAJ
22	1KG16CV044	ROHITH P
23	1KG18CV021	REEMASHREE DAS
24	1KG18CV022	SACHIN SANGAPPA KAGAL
25	1KG18CV023	SANDEEP A PATRE
26	1KG18CV025	SANTHOSH C HARAVI
27	1KG18CV026	SHREYAS PRASANNA
28	1KG18CV027	SUNITHA T U
29	1KG18CV028	SWATHI K
30	1KG18CV029	T M ROHIT YADAV
31	1KG18CV030	TEJASWINI SHIVARAM
32	1KG18CV031	VARSHA R
33	1KG18CV032	VARUN C J
34	1KG18CV033	ABHINANDAN CHAGAT
35	DIPLOMA	CHAITANYA K N
36	DIPLOMA	RAKESH D
37	DIPLOMA	PRADEEP KUMAR S T
38	DIPLOMA	CHANDRASHEKAR C
39	DIPLOMA	LOKANATH S
40	DIPLOMA	SHIVARAJU D
41	IYD16CV001	ARUN GOWDA S KADUR
42	1CE18CV001	CHAITHRA J

Handwritten signature



hAkelle
5/11/19

Professor & Head
Department of Planning
K.S. School of Innovations
K.S. School of Engineering & Management
Bangalore-560 062

**A Industrial Visit to
“Sri Banashankramma Interlocking Blocks”**

Report

On

“Interlocking Blocks Manufacturing Plant”

SUBMITTED BY

NIRMITHA .M

**Under the Guidance of
Mr. Naveena M.P**

Sushma M

**Asst. Professor
Civil Department**



**DEPARTMENT OF CIVIL ENGINEERING
K S SCHOOL OF ENGINEERING & MANAGEMENT
BANGALORE - 560109, KARNATAKA**

EARTHEN BLOCKS

A **compressed earth block (CEB)**, also known as a *pressed earth block* or a *compressed soil block*, is a building material made primarily from damp soil compressed at high pressure to form blocks. Compressed earth blocks use a mechanical press to form blocks out of an appropriate mix of fairly dry inorganic subsoil, non-expansive clay and aggregate. If the blocks are stabilized with a chemical binder such as Portland cement they are called *compressed stabilized earth block (CSEB)* or *stabilized earth block (SEB)*. Typically, around 3,000 psi (21 MPa) is applied in compression, and the original soil volume is reduced by about half.

Creating CEBs differs from rammed earth in that the latter uses a larger formwork into which earth is poured and manually tamped down, creating larger forms such as a whole wall or more at one time rather than building blocks. CEBs differ from mud bricks in that the latter are not compressed and solidify through chemical changes that take place as they air dry. The compression strength of properly made CEB can meet or exceed that of typical cement or mud brick. Building standards have been developed for CEB.

CEBs are assembled onto walls using standard bricklaying and masonry techniques. The mortar may be a simple slurry made of the same soil/clay mix without aggregate, spread or brushed very thinly between the blocks for bonding, or cement mortar may also be used for high strength, or when construction during freeze-thaw cycles causes stability issues. Hydraform blocks are shaped to be interlocking.

Advantages

There are many advantages of the CEB system. On-site materials can be used, which reduces cost, minimizes shipping costs for materials, and increases efficiency and sustainability. The wait-time required to obtain materials is minimal, because after the blocks are pressed, materials are available very soon after a short drying period. The uniformity of the blocks simplifies construction, and minimizes or eliminates the need for mortar, thus reducing both the labor and materials costs. The blocks are strong, stable, water-resistant and long-lasting.

- CEB can be pressed from damp earth. Because it is not wet, the drying time is much shorter. Some soil conditions permit the blocks to go straight from the press onto the wall. A single mechanical press can produce from 800 to over 5,000 blocks per day, enough to build a 1,200 square feet (110 m²) house in one day. A high performance CEB press, of open source design, named "The Liberator", can produce from 8,000 to 17,000 or more blocks per day. The production rate is limited more by the ability to get material into the machine, than the machine itself.
- Shipping cost: Suitable soils are often available at or near the construction site. Adobe and CEB are of similar weight, but distance from a source supply gives CEB an advantage. Also, CEB can be made available in places where adobe manufacturing operations are non-existent.
- Uniformity: CEB can be manufactured to a predictable size and has true flat sides and 90-degree angle edges. This makes design and costing easier. This also provides the contractor the option of making the exteriors look like conventional stucco houses.
- Presses allow blocks to be consistently made of uniform size, while also obtaining strengths that exceed the ASTM standard for concrete blocks (1900 psi).
- Non-toxic: materials are completely natural, non-toxic, and do not out-gas
- Sound resistant: an important feature in high-density neighborhoods, residential areas adjacent to industrial zones
- Fire resistant: earthen walls do not burn
- Insect resistant: Insects are discouraged because the walls are solid and very dense, and have no food value
- Mold resistant: there is no cellulose material - such as in wood, Oriented Strand Board or drywall - that can host mold or rot

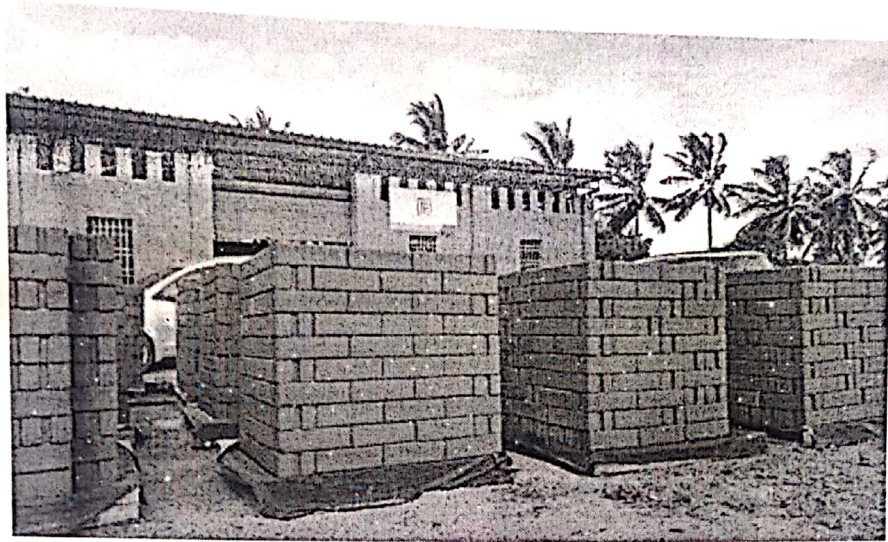


Fig: Earthen blocks