



Viswambhara Educational Society

# VAAGDEVI COLLEGE OF ENGINEERING

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Approved by AICTE & Affiliated to JNTUH, Hyderabad  
Bollikunta, Warangal - 506 005. (Telangana State)

Ref No. : 119/VCE/CIVIL/ECS/CT/2021

Date : 10.12.2021

## TEST REPORT FOR CONCRETE CUBES

Name of the Client : Amaranth constructions  
Sample Type : Plain Cement Concrete Cube  
Size of the Sample : 150 mm x 150 mm x 150 mm (Cube)  
Cross Sectional Area : 22,500 mm<sup>2</sup>  
Sample Cast by : Client  
Date of Casting : 01.12.2021  
Sample Received for Testing on : 10.12.2021  
Age of Specimen on Testing Date : 10 Days  
Nature of Test : Compressive Strength Test  
Technical Reference : IS 516 – 1959 (Reaffirmed 2018)

S.No.	Specimen ID	Weight of Specimen (kg)	Maximum Load (kN)	Compressive Strength (N/mm <sup>2</sup> )	Average Compressive Strength Value (N/mm <sup>2</sup> )
1.	US	8.100	376	16.42	24.86
2.	U1	8.270	521	23.13	
3.	U2	8.210	609	26.14	
4.	U3	8.360	591	25.32	

### Note :

1. The results indicated above are based on the tests carried out on the samples received in laboratory.
2. As per the codal provision, the individual variation of specimen should not more than  $\pm 15$  % of average value. Otherwise test to be repeated.

Faculty Incharge

HoD / Civil Engineering

3.5.1.



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Ref.No.: 201/VCE/CIVIL/ECS/CT/2022

Date : 09.02.2022

To

Mr. B. Hari Prasad  
President,  
Gouda Sangam,  
Ursu Karimbad,  
Warangal Urban.

Sir,

Sub.: Site Visit – Investigation Report – Reg.

\*\*\*\*\*

We are herewith enclosing the details of the site investigation report of the Gouda Function Hall site, Ursu Karimbad, Warangal Urban which was investigated by our team on 27.01.2022 and 08.02.2022.

Thanking you

  
Head of the Department/Civil Engineering

Enclosure :

1. Site Investigation Report



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**TEST REPORT OF STANDARD PENETRATION TEST ON SOIL**

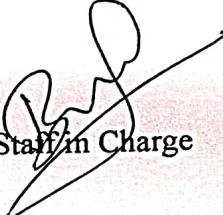
Date: 14.12.2021

**TEST DETAILS:**

Name of the client : C/o RF Associates, Er. Syed Fayaz  
Site Location : Pochammaidhan, Warangal.  
Date of Investigation : 12.12.2022  
Nature of Test : SBC Value Calculation of Soil  
Technical Reference : BIS: 2131-1981  
Test Report No.& Date : 025/VCE/CIVIL/GTE/14.12.2021  
Test conducted by : Mr. B Mahesh  
Department of Civil Engineering  
Vaagdevi College of Engineering

**TEST REPORT:**

- The test was carried out at a depth of 3.5 m from the ground level as requested by the client.
- During the time of investigation water table was not encountered at depth for investigation; however the same may be subjected to seasonal fluctuations.
- The Safe Bearing Capacity (SBC) of the soil for this site is derived as 30 t/m<sup>2</sup>.

  
Staff in Charge

  
HOD/ Civil Engineering

35.1.11



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Ref No. : 119/VCE/CIVIL/ECS/CT/2021

Date : 10.12.2021

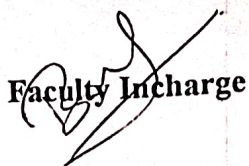
**TEST REPORT FOR CONCRETE CUBES**

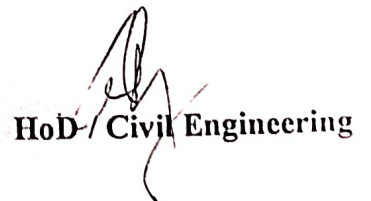
Name of the Client : C/O Amba Associates, Warangal  
Sample Type : Plain Cement Concrete Cube  
Size of the Sample : 150 mm x 150 mm x 150 mm (Cube)  
Cross Sectional Area : 22,500 mm<sup>2</sup>  
Sample Cast by : Client  
Date of Casting : 01.12.2021  
Sample Received for Testing on : 10.12.2021  
Age of Specimen on Testing Date : 10 Days  
Nature of Test : Compressive Strength Test  
Technical Reference : IS 516 - 1959 (Reaffirmed 2018)

S.No.	Specimen ID	Weight of Specimen (kg)	Maximum Load (kN)	Compressive Strength (N/mm <sup>2</sup> )	Average Compressive Strength Value (N/mm <sup>2</sup> )
1.	US	8.100	376	16.42	16.42
2.	U1	8.270	521	23.13	24.86
3.	U2	8.210	609	26.14	
4.	U3	8.360	591	25.32	

**Note :**

1. The results indicated above are based on the tests carried out on the samples received in laboratory.
2. As per the codal provision, the individual variation of specimen should not more than  $\pm 15$  % of average value. Otherwise test to be repeated.

  
Faculty Incharge

  
HoD - Civil Engineering

35.1.12



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Ref No. : 103/Civil/Consultancy/20 - 21

Date : 16.11.2020

**TEST REPORT ON CONCRETE CUBES**

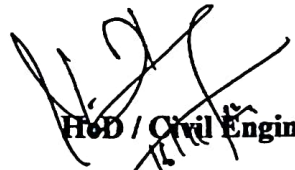
Name of the Client : **RAMCO CEMENT, Warangal**  
Sample Type : **Plain Cement Concrete Cube**  
Size of the Sample : **150 mm x 150 mm x 150 mm (Cube)**  
Cross Sectional Area : **22,500 mm<sup>2</sup>**  
Sample Cast by : **Client**  
Grade of Concrete : **M<sub>20</sub>**  
Sample Received for testing on : **13.11.2020**  
Age of Specimen (Days) : **7**  
Nature of Test : **Compressive Strength Test**  
Technical Reference : **IS 516 - 1959 (Reaffirmed 2018)**

S.No.	Specimen Identification	Date of Casting	Date of Testing	Maximum Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1.	A1	06.11.2020	13.11.2020	88	3.91
2.	A2	06.11.2020	13.11.2020	204	9.06
3.	A3	06.11.2020	13.11.2020	114	5.06
<b>Average Compressive Strength Value (N/mm<sup>2</sup>)</b>					<b>6.01</b>

**Note :**

1. The results indicated above are based on the tests carried out on the samples received in laboratory.
2. As per the codal provision, the individual variation of specimen should not more than  $\pm 15\%$  of average value. Otherwise test to be repeated.

  
16/11/20  
**Laboratory In-Charge**

  
**Dr. R. BHARATHI MURUGAN**  
Professor and Head  
Department of Civil Engineering  
Vaagdevi College of Engineering  
Warangal - 506 005.



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10/26/24, 10:45 AM

Amarnath soil.docx - Google Docs

**TEST REPORT OF STANDARD PENETRATION TEST ON SOIL**

Date: 08.02.2022

**TEST DETAILS:**

Name of the client : C/o Amarnath Constructions, Er. T.Amarnath  
Site Location : Kazipet, Warangal.  
Date of Investigation : 03.02.2022  
Nature of Test : SBC Value Calculation of Soil  
Technical Reference : BIS: 2131-1981  
Test Report No.& Date : 031/VCE/CIVIL/GTE/08.02.2022  
Test conducted by : Mr. A.Ashok  
Department of Civil Engineering  
Vaagdevi College of Engineering

**TEST REPORT:**

- The test was carried out at a depth of **3.8m** from the ground level as requested by the client.
- During the time of investigation water table was not encountered at depth for investigation; however the same may be subjected to seasonal fluctuations.
- The Safe Bearing Capacity (SBC) of the soil for this site is derived as **30 t/m<sup>2</sup>**.

Staff in Charge

HOD/ Civil Engineering

3.5.1.18



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SITE INVESTIGATION REPORT

Name of the Site : BC Welfare boys hostel, kothawada-Warangal

Date of Visit : 02.01.2022 & 16.01.2022

Note : "The Column numbers mentioned in this report were marked in the Figure 1 for Identification"

**OBSERVATIONS:**

The following points were observed by visual inspection at the site,

1. The entire column C1 to C16 as shown in Figure 1 was extended up to slab level in the site. The beam and slab was not casted while inspection. Column which was casted long back in the site is only taken for investigation for further construction.
2. The outer and intermediate columns were located in the site as like in the Figure 1.
3. The steel reinforcement was extended beyond the top of the casted column and it is exposed to atmosphere, so rust formation was noted on that steel bars.
4. Some of the columns such as C7, C8, C12 and C16 as column number shown in Figure 1 were not properly compacted and number of Honey Combs was noticed around the sides of the columns.
5. The numbers of vertical cracks were noticed on the bottom side of the column C7, C8 and C9 as column numbers shown in Figure 1.

3.5.1<sup>1</sup>