

The Subham Home Quality Promise

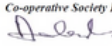


THE 10 FT DEEP PITS FOR FOOTINGS

4.0 RESULTS:
The bottom soils are classified as clayey gravel under water as per IS : 1498. Appendix gives the relevant soil properties and calculations for SBC.

5.0 RECOMMENDATIONS:
Based on Field Investigations and Lab testing, the following Recommendations are made

- a) The soil at 3 m depth is clayey gravel under water.
- b) SBC is recommended as follows 150 kN /sq m for Open foundations at 3 m depth below GL.
- c) All foundation pits should be filled back with well - compacted gravel.
- d) Actual size of footings will be based on loads from the superstructure.
- e) All concreting should be done under dry conditions.
- f) In view of water in Pits, Water proof cement should be used for foundations, with adequate cover for steel.

For Natural Resources Development
Co-operative Society Ltd.

(DR. D. BABU RAO)
M.E. R. D (USA), F.E. MRS
CONSULTING GEOTECHNICAL ENGINEER

SOIL TESTING

Steel strength
for
150 KN/Sq M

RMC Blocks
Crush test
results
> 25 Average



FOOTING BASE STEEL REINFORCEMENT, M25 READY MIX CONCRETE



STRONG QUALITY TESTED FOUNDATION / SM CONSULTANTS - REPORTS AVAILABLE



10000 LITRE CONCRETE AND STEEL ENFORCED WATER SUMP

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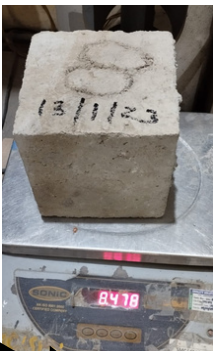


HIGH QUALITY CENTRING AND FINISHING FOR SLABS, WITH EACH SLAB STRENGTH TESTED

RMC Blocks
Crush test
results
> 25 Average

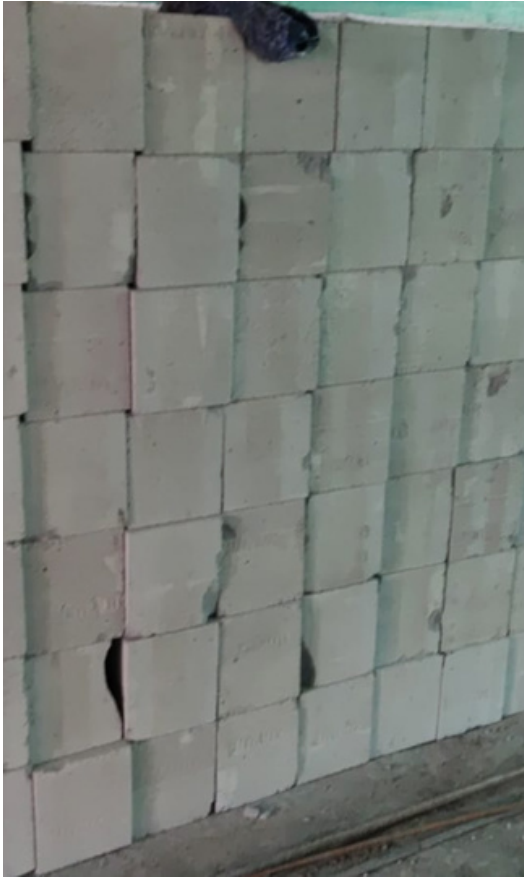


BIRLA AEROCON / ULTRA TECH / VIZAG STEEL



ULTRA PULSE VELOCITY SONAR TESTS, CRUSH TESTS TO ENSURE QUALITY. M25 QUALITY MILLER BASED SLAB CASTING

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TEST REPORT ON AUTOCLAVED CELLULAR

AERATED CONCRETE BLOCKS

Source of the sample for testing : Samples supplied by the customer
 No. of samples tested : 24 (Twenty Four)
 Customer's reference : Letter. No. Nil, Dated: 21-11-2020 &
 Service Order No.4800054212 Dated: 19-11-2020
 Sample Collection no : 341874
 Material received on : 23-11-2020
 Period of test : 24-11-2020 to 30-11-2020
 Size# : 600 x 200 x 200 mm
 Brand# : Birla Aerocon (Grade 2)
 Condition of samples : Satisfactory
 Technical Reference : IS: 2185 (Part 3) - 1984 (RA 2015), IS 6441: Part 1: 1972 (RA 2017),
 IS 6441: Part 5: 1972 (RA 2017)

DIMENSION TEST:

Sl. No.	Measured Dimensions (mm)	Requirement as per IS: 2185 - 1984 (Part-3) (Reaffirmed 2015)
1	600 x 198 x 199	For individual - Length : ± 5 mm For individual - Width & Height : ± 3 mm
2	600 x 199 x 200	
3	599 x 200 x 199	
4	600 x 199 x 200	
5	599 x 200 x 199	
6	600 x 200 x 200	
7	599 x 199 x 200	
8	600 x 200 x 199	
9	599 x 200 x 200	
10	600 x 200 x 200	
11	599 x 199 x 200	
12	600 x 199 x 199	
13	600 x 200 x 200	
14	600 x 199 x 199	
15	598 x 200 x 200	
16	599 x 200 x 199	
17	600 x 199 x 200	
18	599 x 200 x 199	
19	600 x 200 x 200	
20	599 x 199 x 200	
21	600 x 200 x 200	
22	600 x 199 x 199	
23	600 x 199 x 200	
24	599 x 200 x 199	

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V. Anand
 02/12/2020 V. ANAND VISHNUVARDHAN
 MANAGER-LAB

PRODUCTION SITE : SUBHAM GAYATRI HOMES ,PRUDENTIAL BANK COLONY,GAYATRI NAGAR.

I.E.T. REF. NO. : NIL DATE : 11/02/2023

TEST RESULT ON C.C. CUBES (TEST CONDUCTED AS PER IS: 516-1959 (Reaf. 2018)

GRADE OF CONCRETE : M 25 (Size: 150mm x 150mm x 150mm)

DATE OF CUBE CASTING : 13-01-2023

DATE OF TESTING : 11-02-2023

AGE OF CONCRETE : 28 DAYS

DESCRIPTIONS OF CUBES : JAIDHAR CONCRETE

Sl.No.	Cubes Reference	Wt. of cube in kg.	Load in Kn	Compressive strength in N/mm ²	Avg. compressive strength in N/mm ²	Min. Req. 28 days Characteristic compressive strength in N/mm ² as per IS 456:2000 (Reaf.2021),Table-2
1	Cube-1	8.477	951.0	42.27	44.52	25.00(Min.)
2	Cube-2	8.622	1062.0	47.20		
3	Cube-3	8.518	992.0	44.09		

1. This test report refers only to the mentioned sample submitted in the laboratory by the Agency.
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PRODUCTION SITE : SUBHAM GAYATRI HOMES ,PRUDENTIAL BANK COLONY,GAYATRI NAGAR.

I.E.T. REF. NO. : NIL DATE : 20/05/2023

TEST RESULT ON C.C. CUBES (TEST CONDUCTED AS PER IS: 516-1959 (Reaf. 2018)

GRADE OF CONCRETE : M 25 (Size: 150mm x 150mm x 150mm)

DATE OF CUBE CASTING : 22-04-2023

DATE OF TESTING : 20-05-2023

AGE OF CONCRETE : 28 DAYS

DESCRIPTIONS OF CUBES : VR INFRA

Sl.No.	Cubes Reference	Wt. of cube in kg.	Load in Kn	Compressive strength in N/mm ²	Avg. compressive strength in N/mm ²	Min. Req. 28 days Characteristic compressive strength in N/mm ² as per IS 456:2000 (Reaf.2021),Table-2
1	Cube-1	7.888	715.0	31.78	37.66	25.00(Min.)
2	Cube-2	8.121	875.0	38.89		
3	Cube-3	8.325	902.0	40.09		
4	Cube-4	8.216	883.0	39.24		
5	Cube-5	8.278	862.0	38.31		

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