



CIVIL TECHNO LAB PRIVATE LIMITED



An ISO/IEC 17025:2017 & ISO 9001:2015 Certified Lab

No.12 / 26, Thanthai Periyar Nagar, 2nd Street, M K Palayam Road,
Sowripalayam, Coimbatore - 641 028. Mobile : 98422 34561, 93825 74564

E-mail : civiltechnolab@gmail.com, Website : www.civiltechnolab.in



Ref: CTPL-CBE/C. Agg/22
Test Order No: 2034/1 & Date: 22-11-2022

Date :24.11.2022
1/3

**M/s A One Ready Mix Concrete,Sf.No.11/1AE1,11/1B1A,Andipalayam,
Nachipalayam Road, Peruntholuvu, Tirupur-641665**

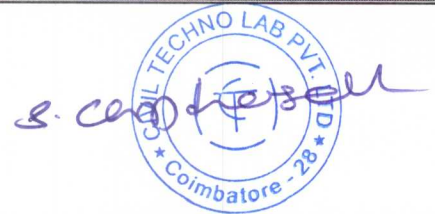
TEST REPORT ON COARSE AGGREGATE SAMPLE

Source of sample	: Sample supplied by the customer
Customer's reference	: Letter No. Nil dated 21.11.2022
Project*	: M/s A One RMC, Tirupur
Technical Reference	: IS: 2386 (Part I to VIII)-1963 (Reaffirmed – 2007) and IS: 383-2016

Sieve Analysis – 12.5mm and Down:

IS Sieve Designation	Cumulative Percent		Specification as per IS:383-2016 in respect of 12.5mm nominal size aggregate (% passing)	
	Retained	Passing	Graded	Single Size
20.00 mm	0.00	100.00	100	100
12.50 mm	8.00	92.00	90-100	85-100
10.00 mm	48.00	52.00	40-85	0-45
04.75 mm	93.00	7.00	0-10	0-10

Remarks : The above tested sample conforms to the requirement of Graded Aggregate as per IS:383-2016.





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Test Order No: 2034/1 & Date: 22-11-2022

Date :24.11.2022

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Test Conducted	Results- 12.5mm	Requirements As Per IS: 383-2016
Specific gravity	2.76	2.10 to 3.20
Density : a) Loose (Kg/ Cum) b) Rodded	1438 1641	---
Water Absorption %	0.40	Maximum 5% by the weight
Flakiness Index (%)	14.70	Combined Flakiness & Elongation Index shall not exceed 40%
Elongation Index %	12.90	
Impact value (%)	23.10	The aggregate impact value shall not exceed 45% by weight for aggregates used for concrete other than for wearing surfaces and 30% by weight for concrete for wearing surfaces, such as runways, roads and pavements
Crushing value (%)	24.80	The aggregate crushing value shall not exceed 30% by weight for aggregate used for concrete for wearing surfaces, such as runways, roads and pavements

S. Chandra



All Building Material Testing LAB - Coimbatore LPA / QA / 19/04/001

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Design Mix

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Date :24.11.2022
3/3

* As furnished by the customer.

Note:

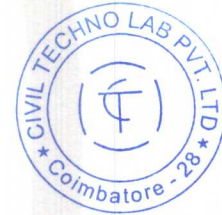
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- 3.Any corrections in validates this report

for CIVIL TECHNO LAB P Ltd

**S. CHANDRASEKAR, M.E., (STRU)
TECHNICAL DIRECTOR**



END OF REPORT



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Ref: CTPL-CBE/C.Agg/22
Test Order No: 2034/2 & Date: 22-11-2022

Date :24.11.2022
1/3

M/s A One Ready Mix Concrete,Sf.No.11/1AE1,11/1B1A,Andipalayam,
Nachipalayam Road, Peruntholuvu, Tirupur-641665

TEST REPORT ON COARSE AGGREGATE SAMPLE

Source of sample : Sample supplied by the customer
Customer's reference : Letter No. Nil dated 21.11.2022
Project* : M/s A One RMC, Tirupur
Technical Reference : IS: 2386 (Part I to VIII)-1963 (Reaffirmed – 2007) and
IS: 383-2016

Sieve Analysis - 20mm and Down:

IS Sieve Designation	Cumulative Percent		Specification as per IS:383-2016 in respect of 20mm nominal size aggregate (% passing)	
	Retained	Passing	Graded	Single Size
40.00 mm	0.00	100.00	100	100
20.00 mm	7.00	93.00	90-100	85-100
12.50 mm	39.00	61.00	-	-
10.00 mm	71.00	29.00	25-55	0-20
04.75 mm	96.00	4.00	0-10	0-5

Remarks : The above tested sample conform to the requirement of Graded Aggregate as per IS:383-2016.

S. Suresh
CIVIL TECHNO LAB PVT. LTD.
Coimbatore - 2022

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Ref: CTPL-CBE/C.Agg/22

Test Order No: 2034/2 & Date: 22-11-2022

Date :24.11.2022

2/3

Test Conducted	Results	Requirements IS: 383-2016
	20mm	
Specific gravity	2.78	2.10 to 3.20
Density : (Kg/ Cum) a) Loose b) Rodded	1456 1661	---
Water Absorption %	0.30	Maximum 5% by the weight
Flakiness Index (%)	12.20	Combined Flakiness & Elongation Index shall not exceed 40%
Elongation Index %	13.30	
Impact value (%)	22.80	The aggregate impact value shall not exceed 45% by weight for aggregates used for concrete other than for wearing surfaces and 30% by weight for concrete for wearing surfaces, such as runways, roads and pavements
Crushing value (%)	24.30	The aggregate crushing value shall not exceed 30% by weight for aggregate used for concrete for wearing surfaces, such as runways, roads and pavements

S. Chandrasekhar

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Date :24.11.2022
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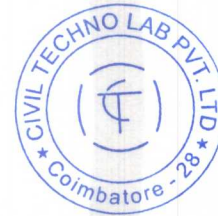
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for CIVIL TECHNO LAB P Ltd

S. CHANDRASEKAR, M.E., (STRU)
TECHNICAL DIRECTOR



END OF REPORT



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Ref: CTPL-CBE/F. Agg/22
Test Order No: 2034/3 & Date: 22-11-2022

Date :24.11.2022
1/2

M/s A One Ready Mix Concrete,Sf.No.11/1AE1,11/1B1A,Andipalayam,
Nachipalayam Road, Peruntholuvu, Tirupur-641665

TEST REPORT ON FINE AGGREGATE SAMPLE (M SAND)

Source of sample : Sample supplied by the customer
Customer's reference : Letter No. Nil dated 21.11.2022
Project* : M/s A One RMC, Tirupur
Technical Reference : IS:2386 (Part I to VIII)-1963 (Reaffirmed – 2007) and
IS:383-2016

I.SIEVE ANALYSIS:

IS Sieve Designation	Cumulative Percent		Specification as per IS:383-2016 for Fine Aggregate (Percentage Passing)			
	Retained	Passing	Zone-I	Zone-II	Zone-III	Zone-IV
04.75 mm	0.00	100.00	90-100	90-100	90-100	95-100
02.36 mm	18.00	82.00	60-95	75-100	85-100	95-100
01.18 mm	39.00	61.00	30-70	55-90	75-100	90-100
600 microns	59.00	41.00	15-34	35-59	60-79	80-100
300 microns	79.00	21.00	5-20	8-30	12-40	15-50
150 microns	91.00	9.00	0-10	0-10	0-10	0-15

REMARKS: The tested sample satisfies the requirements of grading Zone II as per IS: 383-2016.

S. Campbell
CIVIL TECHNO LAB PVT. LTD.
Coimbatore - 28

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Ref: CTPL-CBE/F. Agg/22

Test Order No: 2034/3 & Date: 22-11-2022

Date :24.11.2022

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Test Conducted	Results	Requirements IS:383-2016
Specific Gravity	2.72	2.10 to 3.20
Silt content %	0.50	Maximum 3% by the weight
Water Absorption %	3.10	Maximum 5% by the weight
Density : (Kg/ Cum) a) Loose b) Rodded	1655 1810	----

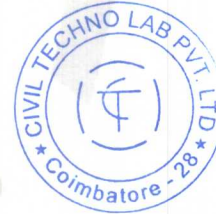
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TECHNICAL DIRECTOR



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Ref: CTPL-CBE/Water -cons/22
Test Order No: 2034/4 & Date: 22-11-2022

Date : 24.11.2022
1/2

**M/s A One Ready Mix Concrete,Sf.No.11/1AE1,11/1B1A,Andipalayam,
Nachipalayam Road, Peruntholuvu, Tirupur-641665**

TEST REPORT ON ANALYSIS OF WATER SAMPLE

Source of sample : Sample supplied by the customer
Customer's reference : Letter No. Nil dated 21.11.2022
Identification : **Bore Well Water**
Project* : M/s A One RMC, Tirupur
Technical Reference : IS:456 – 2000 (Reaffirmed 2005)
IS:3025-1983 (Part 11,15,16,17,18,22,23,24 & 32)

Sl No	Particulars	Results	Stipulations of IS:456-2000 (water for construction purpose)
1	Quantity of 0.02N NaOH required to neutralise 100ml of water sample using phenolphthalein as an indicator	3.20 ml	Shall not be more than 5 ml
2	Quantity of 0.02N H ₂ SO ₄ required to neutralise 100ml of water sample using mixed indicator	11.60 ml	Shall not be more than 25ml
3	Total Dissolved solids	339 mg/l	---
4	Chlorides as Cl	253 mg/l	500 mg/l max. for RCC 2000 mg/l max. for PCC
5	Sulphates as SO ₃	58 mg/l	400 mg/l max.
6	Inorganic Solids	302 mg/l	3000 mg/l max.
7	Suspended matter	3 mg/l	2000 mg/l max.
8	Organic Solids	45 mg/l	200 mg/l max.
9	pH Value	7.02	Shall not be less than 6

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