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K.S. SCHOOL OF ENGINEERING & MANAGEMENT

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#15/1, Mallasandra, off Kanakapura Main Road, Bengaluru - 560 109.

Phone : 080 2842 5012, 2842 5013, 2842 5163 | Fax : 080 - 2842 5164.

No. 8597

RECEIPT

Date : 5/4/2024

Received From Mr. / Miss Kantharaju CV Dept

..... Studying in B.E / MBA / M.Tech

a sum of Rupees Three hundred fifty two only

towards the Library fine / Xerox / Shortage of attendance / lab. Breakage / Miscellaneous
cube Festing

₹ : 350/-


Accountant



Kammavari Sangham (R) 1952
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DEPARTMENT OF CIVIL ENGINEERING

DATE: 27/03/2024

To,

KEERTHI CONSULTANTS,

NO.1598 / A 27TH CROSS ,

29TH MAIN BSK 2ND STAGE

BENGALURU - 560070.

3 concrete cubes were sent for compressive strength test. The test was conducted and results are described as below.

Date of testing; 27th March 2024

Cube no	Date of Casting	Weight (kg)	Max, load (kN)	Comp, Strength (N/mm ²)	Avg, Strength (N/mm ²)	Remarks
1	13/03/2024	8.21	590.7	26.2	24.26	14 days strength
2		8.31	591.4	26.2		
3		8.18	467.4	20.4		

W. S. S. S.
Faculty In-charge

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



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No. **8585**

RECEIPT

Date : 26/3/24

Received From Mr. / Miss Srinivasa CV-Dept

..... Studying in B.E / MBA / M.Tech

a sum of Rupees Three hundred rupees only

towards the Library fine / Xerox / Shortage of attendance / lab. Breakage / Miscellaneous

₹ : 300/-


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DEPARTMENT OF CIVIL ENGINEERING

DATE: 14/03/2024

To,

Prem Sundharam Murthy,

Chamundi Apartment

Bengaluru

3 concrete cubes were sent for compressive strength test. The test was conducted and results are described as below.

Date of testing: 13th Feb 2024

Cube no	Date of Casting	Weight (kg)	Max, load (kN)	Comp, Strength (N/mm ²)	Avg, Strength (N/mm ²)	Remarks
1	14/02/2024	8.30	940.4	41.7	41.8	28 days strength
2		8.28	922.2	40.9		
3		8.25	966.1	42.9		

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Faculty In-charge



W. Kelle

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



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RECEIPT

No. **7736**

Date : 5/8/2024.....

Received From Mr. / Miss Sri Vatsa.....

..... studying in B.E / MBA / M.Tech

a sum of Rupees seven hundred fifty.....

towards the Library fine / Xerox / Shortage of attendance / lab. Breakage / Miscellaneous

Towards cube testing online

Rs. 750/-

[Signature]
Accountant



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DEPARTMENT OF CIVIL ENGINEERING

DATE: 29/02/2024

To,
Prem Sundharam Murthy,
Chamundi Apartment
Bengaluru

6 concrete cubes were sent for compressive strength test. The test was conducted and results are described as below.

Date of testing: 28th Feb 2024

Cube no	Date of Casting	Weight (kg)	Max, load (kN)	Comp, Strength (N/mm ²)	Avg, Strength (N/mm ²)	Remarks
1	14/02/2024	8.351	828.7	36.8	35.7	14 days strength
2		8.373	801.2	35.8		
3		8.400	777.0	34.5		
4	19/02/2024	8.283	479.7	21.3	22.0	8 days strength
5		8.35	520.8	23.1		
6		8.30	487.1	21.6		

W. S. S. S.
Faculty In-charge



W. S. S. S.

Head of Department
Professor & Head
Dept. of Civil Engineering
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RECEIPT

No. **6781**

Date : 21/11/23

Received From Mr. / Miss Prithvi Teja

..... studying in B.E / MBA / M.Tech

a sum of Rupees four hundred rs

towards the Library fine / Xerox / Shortage of attendance / lab. Breakage / Miscellaneous

Rs. 400/-


Accountant



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RECEIPT

No. **6765**

Date : 31/10/23

Received From Mr. / Miss Tern Key Buildtech

..... studying in B.E / MBA / M.Tech

a sum of Rupees One thousand three hundred only

towards the Library fine / Xerox / Shortage of attendance / lab. Breakage / Miscellaneous
UPI Payment

Rs. 1300/-

[Signature]
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DEPARTMENT OF CIVIL ENGINEERING

DATE: 02/11/2023

To,
Turn Key Build Tech LLP
Bengaluru

12 wire cut bricks were sent for compressive strength test and water absorption test. The test was conducted and results are described as below.

Date of testing: 31st Oct 2023

Compressive strength test results

Brick no	Size of Brick (cm)	Dry Weight (kg)	Wet Weight (kg)	Max, load (kN)	Comp, Strength (N/mm ²)
1	22.8*10*7.8	3.598	-	490.1	21.50
2	22.8*10*7.7	3.643	-	522.1	22.90
3	22*10.5*7.5 (SVB)	3.200	-	321.7	13.93
4	22*10*7.2	3.113	-	264.8	12.04
5	22.2*10.5*7.3	3.257	-	262.9	11.28
6	22*10.5*7.5	3.400	-	291.2	12.61
7	23*10*8	3.608	4.026	339.8	14.77
8	23*10*8	3.636	4.043	335.2	14.57
9	22.3*10.5*7.5 (SVB)	3.290	3.682	256.9	10.97
10	22.2*10.2*7.3	3.010	3.435	251.9	11.12
11	22.8*10*7.5	2.993	3.416	217.2	9.53
12	22*10*7.3	3.044	3.456	229.2	10.42

The Compressive strength of bricks used in construction ranges from about 3.5 N/mm² to 40 N/mm².

Water Absorption test results

Brick no	Size of Brick (cm)	Dry Weight (kg)	Wet Weight (kg)	Water Absorption (%)
1	23*10*8	3.608	4.026	11.59
2	23*10*8	3.636	4.043	11.19
3	22.3*10.5*7.5 (SVB)	3.290	3.682	11.92
4	22.2*10.2*7.3	3.010	3.435	14.12
5	22.8*10*7.5	2.993	3.416	14.13
6	22*10*7.3	3.044	3.456	13.54

The Acceptable water absorption for bricks is between 10% - 20%.

29.5.2021
Faculty In-charge



W. Kelle
Head of Department
Professor & Head
Dept. of Civil Engineering
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Bangalore-560 062



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Bengaluru - 560 109, www.kssem.edu.in

Fax : +91 80 28425164, Mob : 8884444408 / 9606055906

To:

T G Developers,
T G CITADEL-107
Dollars Colony,
Bengaluru

Date: 9-10-2023

Subject: Final report of the M-40 grade cement concrete mix design.

The final mix design details of M-40 grade cement concrete are as furnished below.

DESCRIPTION OF THE MATERIALS

No.	Material	Description
1.	Cement	Branded as 'JSW-53 Grade-OPC'.
2.	Fine aggregate	M-Sand, grain size of 4.75 mm and down in dry state, with specific gravity G value of 2.600 and confirming to grading zone II along with water absorption of around 1.00%.
3.	Coarse aggregate (20 & 10mm down size)	Machine crushed coarse in dry state, having specific gravity of 2.710 and water absorption of around 0.58%.
4.	Super Plasticizer	Conplast-SP-430
5.	Water	Potable drinking water

MATERIALS FOR ONE CUBIC METRE OF M-40 GRADE CEMENT CONCRETE

No.	Material	Quantity in Kg/ m ³
1	Cement	424.00
2	Water (Aggregates in complete dry state)	188.00
3	Fine Aggregate	693.00
4	Coarse aggregate (20 mm and down size)	715.00
5	Coarse aggregate (10 mm and down size)	385.00
6	Super Plasticizer	4.24

The properties of the above mentioned M-40 Grade concrete mix is its slump value is 125 mm, its 7 days average compressive strength is 42.4 M Pa and 28 days average compressive strength is 54.0 M Pa.

Note: For aggregates containing moisture content, the above mentioned water quantity of 188 Kg/m³ must be reduced based on the moisture content in the aggregates and also compensate the mass of the aggregates.

MVC
Signature of staff 9/10/2023
(Veerendra Kumar M)

MVC
H.O.D 9/10/23

Professor & Head

Dept. of Civil Engineering

K.S. Group of Institutions

K.S. School of Engineering & Management

Bangalore-560 062.

Received Original report
& Receipt.

Chitra K
09/10/23



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No. **5841**

Date : **7/9/2023**

Received From Mr. / Miss **T. G. Developers - Bangalore**

..... studying in **B.E / MBA / M.Tech**

a sum of Rupees **Five thousand rupees only**

towards the **Library fine / Xerox / Shortage of attendance / lab. Breakage / Miscellaneous**

33530601011 - 7/9/2023 - 5000/-

Rs. 5000/-

Accountant



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RECEIPT

No. **6636**

Date : 2/10/23.....

Received From Mr. / Miss Sri Vatsa CV Dept.....

..... studying in B.E / MBA / M.Tech

a sum of Rupees Three hundred rupees..... aw.....

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Carbe testing Turnkey projects

Rs. 300/-

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DEPARTMENT OF CIVIL ENGINEERING

DATE: 03/10/2023

To,
Turnkey Built Tech LLP
Bengaluru

3 concrete cubes were sent for compressive strength test. The test was conducted and results are described as below.

Date of testing: 30th Sep 2023

Cube no	Date of Casting	Weight (kg)	Max, load (kN)	Comp, Strength (N/mm ²)	Avg, Strength (N/mm ²)	Remarks
1	21/09/2023	8.40	340.2	15.1	17.53	9 days strength
2		8.50	430.8	19.1		
3		8.51	414.3	18.4		

B.M.J.
Faculty In-charge



M. Kelle
Head of Department
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560002



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DEPARTMENT OF CIVIL ENGINEERING

DATE: 03/10/2023

To,
Turnkey Built Tech LLP
Bengaluru

3 concrete cubes were sent for compressive strength test. The test was conducted and results are described as below.

Date of testing: 30th Sep 2023

Cube no	Date of Casting	Weight (kg)	Max, load (kN)	Comp, Strength (N/mm ²)	Avg, Strength (N/mm ²)	Remarks
1	21/09/2023	8.40	340.2	15.1	17.53	9 days strength
2		8.50	430.8	19.1		
3		8.51	414.3	18.4		

B. M. J.
Faculty In-charge



W. Kelle
Head of Department

Professor & Head
Dept. of Civil Engineering
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DEPARTMENT OF CIVIL ENGINEERING

DATE: 08/08/2023

To,
Sai Nandana Marvella
Bengaluru

2 concrete cubes were sent for compressive strength test. The test was conducted and results are described as below.

Date of testing: 08nd August 2023

Cube no	Date of Casting	Weight (kg)	Max, load (kN)	Comp, Strength (N/mm ²)	Remarks
1	31/07/2023	8.10	551.9	24.53	10 days strength
2		8.15	756.4	33.62	

B. M. J.
Faculty In-charge



M. Kelle
Head of Department
Professor & Head
Dept. of Civil Engineering
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DEPARTMENT OF CIVIL ENGINEERING

Date: 16/06/2023

To
Sri Venkatesh Naidu
ARYAN CONSTRUCTION
Bangalore

SUB: WATER QUALITY TESTING REPORT

Sl No	Parameters	WATER SOURCE: STP TREATED WATER		
		Actual Value	Permissible Limits	Methods
1	BOD	8.2 mg/l	10 mg/l	Titration
2	Total Solids	0.25 mg/l	250 mg/l	-
3	Chlorides	195 mg/l	250 mg/l	-
4	Total Hardness	280 mg/l	300 mg/l	-
5	pH	7.45	6.5 to 8.5	-

Inference: All parameters are in the permissible limits

Test Conducted by:
V. Roopavathi
Department of Civil Engineering
Kssem

FACULTY
Dr Rashmi H R
Assoc Professor
Department of Civil Engineering
Kssem

HOD
Dr Vijayalakshmi Akella
Professor & Head
Department of Civil Engineering
Kssem

Professor & Head
Dept. of Civil Engineering
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