



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

828

Dr. M. Yousaf

To: Brig. Saeed Ahmad Malik (Resident Engineer)

NESAPK(Pvt.) Ltd. Lahore.(Highways and Transportation Engineering Division)

Project : Rehabilitation of Drain Min Road Tulpura Medical Colony (MCL Projects)

Our Ref. No. CL/CED/ 2596 Dated: 27/3/2021

Your Ref. No. 4084/103/BSAM/104/322 Dated: 05-03-21

## COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 08-03-21 Tested on: 26/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	P8		8.8x4.3x2.8	3220	37.84	43	2550	
2	P8		8.9x4.4x3.0	3441	39.16	47	2690	
3	P8		8.9x4.4x2.9	3374	39.16	40	2290	
4	P8		8.9x4.3x2.9	3328	39.16	66	3780	
5	P8		8.8x4.3x2.8	3237	37.84	37	2190	
6	P8		9.0x4.4x3.0	3367	39.6	45	2550	
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

\*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

\*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

888

Dr. M. Yousaf

To: **M/S MADHO Art Design and Architecture,**  
**Lahore.**

**Project : Construction of Software House at 7-West Canal Bank, Lahore.**

Our Ref. No. CL/CED/ 2597 Dated: 27/3/2021

Your Ref. No. Nil Dated: 15/3/2021

## COMPRESSION TEST REPORT

**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

Specimens received on: 15/3/2021 Tested on: 26/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	M		8.8x4.4x2.9	3226	38.72	24	1390	
2	M		9.0x4.4x2.9	3282	39.6	35	1980	
3	M		8.8x4.3x3.0	3183	37.84	34	2020	
4	M		8.9x4.4x2.8	3208	39.16	32	1830	
5	M		9.0x4.3x2.8	3197	38.7	25	1450	
6	M		8.8x4.4x3.0	3169	38.72	10	580	
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**Director/Dy. Director Concrete Laboratory**



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Phone Nos. 042-99029202, 042-99029217

929

Dr. Ambreen

**To: Brig. Saeed Ahmad Malik (Resident Engineer)**  
**NESPAK(Pvt.) Ltd. Lahore. (Highways & Transportation Engineering Division)**  
**Project : Rehabilitation of Drain Main Road Tulpura Medical Colony (MCL Projects)**

Our Ref. No. CL/CED/ 2598 Dated: 27/3/2021

Your Ref. No. 4084/103/BSAM/104/321 Dated: 05-03-21

## COMPRESSION TEST REPORT

**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

Specimens received on: 24/3/2021 Tested on: 25/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		4	3	2021	6X6X6	8.2	36	86	5360	Non Engraved
2		4	3	2021	6X6X6	8	36	43	2680	Non Engraved
3		4	3	2021	6X6X6	8.2	36	63	3920	Non Engraved
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932

Dr. M. Yousaf

**To: Lt. Col. @ Muhammad Ibrahim (Estate Engineer)**  
**Sundar Industrial Estate, Lahore. (M/s Best Corp & Contractor)**  
**Project : Construction of Canteen at Sundar industrial Estate Rescue Building**

Our Ref. No. CL/CED/ 2599 Dated: 27/3/2021

Your Ref. No. BOM/SIE/BCD.6047 Dated: 22/3/2021

## COMPRESSION TEST REPORT

**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

Specimens received on: 24/3/2021 Tested on: 26/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Column # 1 & Foundation	23	2	2021	6X6X6	8	36	59	3680	Non Engraved
2	Column # 1 & Foundation	23	2	2021	6X6X6	8	36	68	4240	Non Engraved
3	GF Roof Beam	25	2	2021	6X6X6	7.8	36	42	2620	Non Engraved
4	GF Roof Beam	25	2	2021	6X6X6	8	36	55	3430	Non Engraved
5	GF Roof Slab	25	2	2021	6X6X6	8.2	36	57	3550	Non Engraved
6	GF Roof Slab	25	2	2021	6X6X6	7.8	36	59	3680	Non Engraved
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**supervisor(lab)**

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943

Dr. M. Yousaf

**To: Mr. Muhamamd Asfrat (Resident Engineer)**  
**M/s Velocity Integrity, Lahore.**  
**Project : Nil**

Our Ref. No. CL/CED/ 2600 Dated: 27/3/2021

Your Ref. No. Nil Dated: 24/3/2021

## COMPRESSION TEST REPORT

**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

Specimens received on: 25/3/2021 Tested on: 26/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Watch Tower (2400)	9	2	2021	6X6X6	8.6	36	80	4980	Non Engraved
2	Watch Tower (2400)	16	2	2021	6X6X6	8.6	36	84	5230	Non Engraved
3	Watch Tower (2400)	18	2	2021	6X6X6	9	36	65	4050	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

930

Dr. Ambreen

To: Resident Engineer

NESPAK (Pvt.) Ltd. Sahiwal. (M/S TMT-MAC JV)

Project : (PICIP) Consultancy Services, Procurement and Construction Management REHABILITATION / IMPROVEMENT of Water Supply System Sahiwal-LOT (1)

Our Ref. No. CL/CED/ 2601 Dated: 27/3/2021

Your Ref. No. 3976/11/MT/Lot-1/57 Dated: 20/3/2021

## COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: 24/3/2021 Tested on: 25/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	OHR T-6 Foundation (1:1:2)	19	2	2021	6Diax12	14	28.28	59	4680	Non Engraved
2	OHR T-6 Foundation (1:1:2)	19	2	2021	6Diax12	14	28.28	67	5310	Non Engraved
3	OHR T-6 Foundation (1:1:2)	19	2	2021	6Diax12	13.8	28.28	71	5630	Non Engraved
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924

Dr. Ambreen

To: **Mr. Farooq Ashraf (Resident Engineer)**

**Metroplan - Asian JV, Site Office MCH, Talagang Road, Sahiwal.**

**Project : Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali.**

Our Ref. No. CL/CED/

2602

Dated:

27/3/2021

Your Ref. No.

MA JV--Nexus-MMCH  
-RE-776

Dated:

05-03-21

## COMPRESSION TEST REPORT

**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

Specimens received on: 22/3/2021 Tested on: 25/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	PCC Solid Block (1:2:4)		11.9x5.9x8.0	20.6	70.21	110	3510	
2	PCC Solid Block (1:2:4)		11.8x5.9x8.0	20.2	69.62	94	3030	
3	PCC Solid Block (1:2:4)		11.9x5.9x8.0	20.4	70.21	88	2810	
4	PCC Solid Block (1:2:4)		11.9x5.9x8.0	20	70.21	79	2520	
5	PCC Solid Block (1:2:4)		11.8x5.9x8.0	21	69.62	110	3540	
6	PCC Solid Block (1:2:4)		12x5.9x8.0	20.4	70.8	63	2000	
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Phone Nos. 042-99029202, 042-99029217

924

Dr. Ambreen

To: **Mr. Farooq Ashraf (Resident Engineer)**

**Metroplan - Asian JV, Site Office MCH, Talagang Road, Sahiwal.**

**Project : Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali.**

Our Ref. No. CL/CED/ 2603 Dated: 27/3/2021

Your Ref. No. MA JV--Nexus-MMCH  
-RE-795 Dated: 17/3/2021

## COMPRESSION TEST REPORT

**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

Specimens received on: 22/3/2021 Tested on: 25/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	Lab # 427 Lab Cured (6000) Psi	30	12	2020	6Diax12	14	28.28	104	8240	Non Engraved
2	Lab # 427 Lab Cured (6000) Psi	30	12	2020	6Diax12	14.2	28.28	84	6660	Non Engraved
3	Lab # 427 Lab Cured (6000) Psi	30	12	2020	6Diax12	14	28.28	86	6820	Non Engraved
4	Lab # 427 Field Cured (6000) Psi	30	12	2020	6Diax12	14	28.28	75	5950	Non Engraved
5	Lab # 427 Field Cured (6000) Psi	30	12	2020	6Diax12	13.8	28.28	81	6420	Non Engraved
6	Lab # 427 Field Cured (6000) Psi	30	12	2020	6Diax12	13.8	28.28	92	7290	Non Engraved
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924

To: **Mr. Farooq Ashraf (Resident Engineer)**

Dr. Ambreen

**Metroplan - Asian JV, Site Office MCH, Talagang Road, Sahiwal.**

**Project : Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali.**

Our Ref. No. CL/CED/ 2604 Dated: 27/3/2021

Your Ref. No. MA JV--Nexus-MMCH-RE-777 Dated: 03-05-21

## COMPRESSION TEST REPORT

**Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers**

Specimens received on: 22/3/2021 Tested on: 25/03/2021 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		1	2	3						
1	Lab # 481 Lab Cured (4000) Psi	11	2	2021	6Diax12	13.8	28.28	85	6740	Non Engraved
2	Lab # 481 Lab Cured (4000) Psi	11	2	2021	6Diax12	13.8	28.28	75	5950	Non Engraved
3	Lab # 481 Lab Cured (4000) Psi	11	2	2021	6Diax12	13.6	28.28	81	6420	Non Engraved
4	Lab # 481 Field Cured (4000) Psi	11	2	2021	6Diax12	13.4	28.28	75	5950	Non Engraved
5	Lab # 481 Field Cured (4000) Psi	11	2	2021	6Diax12	13.8	28.28	81	6420	Non Engraved
6	Lab # 481 Field Cured (4000) Psi	11	2	2021	6Diax12	13.4	28.28	83	6580	Non Engraved
7	Lab 482 Lab Cured(6000) Psi	13	2	2021	6Diax12	13.8	28.28	86	6820	Non Engraved
8	Lab 482 Lab Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	83	6580	Non Engraved
9	Lab 482 Lab Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	88	6970	Non Engraved
10	Lab 482 Field Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	83	6580	Non Engraved
11	Lab 482 Field Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	71	5630	Non Engraved
12	Lab 482 Field Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	88	6970	Non Engraved
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**supervisor(lab)**

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