



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10375

Dr. Umbreen

To: **Municipal officer(I&S)**

Municipal Corporation Ferozwala

Project: Material Repair of the Main Road With Tuff Paver From Hajveri Sweets Lhr-Sheikhupura Road Towards Scheme No. 3, City Kot Abdul Malik

Our Ref. No. CL/CED/

556

Dated:

05-08-20

Your Ref. No.

MC/F/20/328

Dated:

06-06-20

COMPRESSION TEST REPORT

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

Specimens received on:

28-07-20

Tested on:

29-07-20

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	Rectangular Grey		7.8x3.8x3.0	3656	29.64	83	6280	
2	Rectangular Grey		7.8x3.8x3.0	3667	29.64	81	6130	
3	Rectangular Grey		7.8x3.8x3.0	3708	29.64	39	2950	
4	Rectangular Grey		7.8x3.8x3.0	3690	29.64	63	4770	
5	Rectangular Grey		7.8x3.8x3.0	3686	29.64	65	4920	
6	Rectangular Grey		7.8x3.8x3.0	3714	29.64	83	6280	
7	Rectangular Red		7.8x3.8x3.0	3387	29.64	31	2350	
8	Rectangular Red		7.8x3.8x3.0	3546	29.64	83	6280	
9	Rectangular Red		7.8x3.8x3.0	3623	29.64	90	6810	
10								
11								
12								
13								
14								
15								
16								

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?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



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10379

Dr. M. Yousaf

To: Furqan Ali Malik (Chief Resident Engineer, Package-1)
CM Div., Nespak (Pvt.) Ltd. Lahore (M/s M. Aslam & Co)
Project: Construction & Rehabilitation of at Grade Works Along Lahore Orange Line Metro Train Corridor
Package-1 (Section-I) Daroghawala Chowk to Pakistan Mint (Right Side)

Our Ref. No. CL/CED/ 557 Dated: 05-08-20

Your Ref. No. 4042/13/FAM/Tough- Paver167 Dated: 23-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 05-08-20 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	Rectangular Grey		7.8x3.8x3.1	3647	29.64	94	7110	
2	Rectangular Grey		7.8x3.8x3.1	3623	29.64	104	7860	
3	Rectangular Red		7.8x3.8x3.1	3534	29.64	80	6050	
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?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



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10383

Dr. M. Yousaf

To: Faizan Hussain (Assistant Engineer)
Building & Works Department, UET, Lahore
Project: Sports Complex at UET Lahore

Our Ref. No. CL/CED/ 558 Dated: 05-08-20

Your Ref. No. B&W/AEN/1396A Dated: 04-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 05-08-20 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		27	7	2020	6Diax12	13	28.28	21	1670	Non Engraved
2		27	7	2020	6Diax12	13	28.28	21	1670	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?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"diax12" 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



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10383

Dr. M. Yousaf

To: **Asif Nadeem Khawar (Resident Engineer)**

Asian Consulting Engineers (Pvt.) Ltd. & Metroplan JV

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

Our Ref. No. CL/CED/

559

Dated:

05-08-20

Your Ref. No.

MetroplanAsianJV-Nexus-
MMCH-RE-350

Dated:

28-07-20

COMPRESSION TEST REPORT

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

Specimens received on:

30-07-20

Tested on:

05-08-20

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	Lab No. 17 (Lab-1)	30	6	2020	6Diax12	14	28.28	96	7610	Non Engraved
2	Lab No. 17 (Lab-2)	30	6	2020	6Diax12	14	28.28	79	6260	Non Engraved
3	Lab No. 17 (Lab-3)	30	6	2020	6Diax12	14	28.28	82	6500	Non Engraved
4	Lab No. 18 (Lab-1)	30	6	2020	6Diax12	14.2	28.28	82	6500	Non Engraved
5	Lab No. 18 (Lab-2)	30	6	2020	6Diax12	14.2	28.28	93	7370	Non Engraved
6	Lab No. 18 (Lab-3)	30	6	2020	6Diax12	14.2	28.28	44	3490	Non Engraved
7	Lab No. 19 (Lab-1)	30	6	2020	6Diax12	14.2	28.28	94	7450	Non Engraved
8	Lab No. 19 (Lab-2)	30	6	2020	6Diax12	14	28.28	65	5150	Non Engraved
9	Lab No. 19 (Lab-3)	30	6	2020	6Diax12	14	28.28	100	7930	Non Engraved
10	Lab No. 20 (Field-1)	30	6	2020	6Diax12	14	28.28	90	7130	Non Engraved
11	Lab No. 20 (Field-2)	30	6	2020	6Diax12	14	28.28	78	6180	Non Engraved
12	Lab No. 20 (Field-3)	30	6	2020	6Diax12	14	28.28	71	5630	Non Engraved
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?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"diax12" 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



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

10381

To: **Asif Nadeem Khawar (Resident Engineer)**

Dr. M. Yousaf

Asian Consulting Engineers (Pvt.) Ltd. & Metroplan JV

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

Our Ref. No. CL/CED/

560

Dated:

05-08-20

Your Ref. No.

MetroplanAsianJV-Nexus-
MMCH-RE-351

Dated:

28-07-20

COMPRESSION TEST REPORT

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

Specimens received on:

30-07-20

Tested on:

05-08-20

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 No. 22 (Lab-1)	2	7	2020	6Diax12	14	28.28	65	5150	Non Engraved
2	Lab No. 22 (Lab-2)	2	7	2020	6Diax12	14	28.28	69	5470	Non Engraved
3	Lab No. 22 (Lab-3)	2	7	2020	6Diax12	14	28.28	70	5550	Non Engraved
4	Lab No. 23 (Field-1)	2	7	2020	6Diax12	14	28.28	77	6100	Non Engraved
5	Lab No. 23 (Field-2)	2	7	2020	6Diax12	14.2	28.28	84	6660	Non Engraved
6	Lab No. 23 (Field-3)	2	7	2020	6Diax12	14.2	28.28	84	6660	Non Engraved
7	Lab No. 24 (Lab-1)	2	7	2020	6Diax12	14	28.28	90	7130	Non Engraved
8	Lab No. 24 (Lab-2)	2	7	2020	6Diax12	14	28.28	86	6820	Non Engraved
9	Lab No. 24 (Lab-3)	2	7	2020	6Diax12	14	28.28	73	5790	Non Engraved
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?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"diax12" 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