



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

268

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRП (M/s Astral Constructions)**

Dr. Mazhar Saleem

**Project: Humqadam-School Construction and Rehabilitation Programme (Tazeb ul Binat)**

Our Ref. No. CL/CED/ 1463 Dated: 23-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 08-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 15-12-20 Tested on: 22-12-20 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	Mortar Cube	8	12	2020	2.0x2.0x2.0	259	4	5	2760	
2	Mortar Cube	8	12	2020	2.0x2.0x2.0	266	4	3.3	1820	
3	Mortar Cube	8	12	2020	2.0x2.0x2.0	267	4	6.7	3700	
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\* 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

268

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRП (M/s Astral Constructions)**

Dr. Mazhar Saleem

**Project: Humqadam-School Construction and Rehabilitation Programme (Kahna Nu No)**

Our Ref. No. CL/CED/ 1464 Dated: 23-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 08-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 15-12-20 Tested on: 22-12-20 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	Mortar Cube	8	12	2020	2.0x2.0x2.0	267	4	3.7	2040	
2	Mortar Cube	8	12	2020	2.0x2.0x2.0	268	4	2.5	1380	
3	Mortar Cube	8	12	2020	2.0x2.0x2.0	271	4	4.8	2650	
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Phone Nos. 042-99029202, 042-99029217

268

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRП (M/s Astral Constructions)**  
**Project: Humqadam-School Construction and Rehabilitation Programme (Raja Jung)**

Dr.Mazhar Saleem

Our Ref. No. CL/CED/ 1465 Dated: 23-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 08-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 15-12-20 Tested on: 22-12-20 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
		8	12	2020						
1	Mortar Cube	8	12	2020	2.0x2.0x2.0	261	4	3.9	2150	
2	Mortar Cube	8	12	2020	2.0x2.0x2.0	265	4	4.5	2480	
3	Mortar Cube	8	12	2020	2.0x2.0x2.0	268	4	3.3	1820	
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Phone Nos. 042-99029202, 042-99029217

314

Dr. Qasim Khan

To: **Beenish Saleh (Senior Project Manager KP & Punjab)**

**Humqadam SCRP**

**Project: Humqadam-School Construction and Rehabilitation Programme (GHSS Mayar)**

Our Ref. No. CL/CED/ 1466 Dated: 23-12-20

Your Ref. No. IMC-HO/SCR/2020/  
MaterialTesting/LHR-0 Dated: 23-12-20

## COMPRESSION TEST REPORT

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

Specimens received  
on:

23-12-20

Tested on:

23-12-20

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	Mortar Cube	24	11	2020	2.0x2.0x2.0	283	4	6.2	3420	
2	Mortar Cube	24	11	2020	2.0x2.0x2.0	275	4	11.2	6180	
3	Mortar Cube	24	11	2020	2.0x2.0x2.0	269	4	7.6	4190	
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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

311

To: **Asad Amin Bajwa (Resident Engineer)**

Dr. Qasim Khan

**Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore**

**Project: Resident Supervision for Repair / Rehabilitation of Roads Schemes Under Punjab Municipal Services Programme (2019~20) Phase-I**

Our Ref. No. CL/CED/ 1467 Dated: 23-12-20

Your Ref. No. ECSP/RE/MCG/Lab/238 Dated: 21-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 22-12-20 Tested on: 23-12-20 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		7.8x3.9x3.0	3516	30.42	89	6560	
2	Rectangular Grey		7.8x3.9x3.0	3662	30.42	120	8840	
3	Rectangular Grey		7.8x3.9x3.0	3537	30.42	95	7000	
4	Rectangular Red		7.7x3.9x3.0	3618	30.42	84	6190	
5	Rectangular Red		7.7x3.9x3.0	3660	30.42	139	10240	
6	Rectangular Red		7.7x3.9x3.0	3746	30.42	99	7290	
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Dr. Umbreen

**To: Assistant Engineer (Civil)**  
**B&W Department, UET, Lahore**  
**Project: Girls Hostel at UET Lahore**

Our Ref. No. CL/CED/ 1468 Dated: 23-12-20

Your Ref. No. B&W/AENC/1874 Dated: 10-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 14-12-20 Tested on: 23-12-20 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	M		9.0x4.4x3.1	3346	39.6			
2	M		8.9x4.4x3.0	3371	38.27			
3	M		8.9x4.4x3.1	3273	39.6			
4	M		9.0x4.4x3.0	3303	39.6			
5	M		9.0x4.4x3.1	3321	39.6			
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280

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

Dr.Mazhar Saleem

**Metroplan-Asian Consulting Engineers (Pvt.) Ltd.**

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

Our Ref. No. CL/CED/

1469

Dated:

23-12-20

Your Ref. No.

MetroplanAsianJV-Nexus  
-MMCH-RE-601

Dated:

02-12-20

## COMPRESSION TEST REPORT

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

Specimens received on:

17-12-20

Tested on:

22-12-20

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 # 351 (Lab # 1)	10	11	2020	6Diax12	14	28.28	65	5150	Non Engraved
2	Lab # 351 (Lab # 2)	10	11	2020	6Diax12	14	28.28	69	5470	Non Engraved
3	Lab # 351 (Lab # 3)	10	11	2020	6Diax12	14	28.28	67	5310	Non Engraved
4	Lab # 351 (Field # 1)	10	11	2020	6Diax12	14	28.28	59	4680	Non Engraved
5	Lab # 351 (Field # 2)	10	11	2020	6Diax12	14	28.28	79	6260	Non Engraved
6	Lab # 351 (Field # 3)	10	11	2020	6Diax12	14.1	28.28	57	4520	Non Engraved
7	Lab # 353 (Lab # 1)	12	11	2020	6Diax12	14.4	28.28	86	6820	Non Engraved
8	Lab # 353 (Lab # 2)	12	11	2020	6Diax12	14.2	28.28	61	4840	Non Engraved
9	Lab # 353 (Lab # 3)	12	11	2020	6Diax12	14	28.28	71	5630	Non Engraved
10	Lab # 353 (Field # 1)	12	11	2020	6Diax12	14.2	28.28	37	2940	Non Engraved
11	Lab # 353 (Field # 2)	12	11	2020	6Diax12	14	28.28	47	3730	Non Engraved
12	Lab # 353 (Field # 3)	12	11	2020	6Diax12	14	28.28	55	4360	Non Engraved
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**supervisor(lab)**

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Phone Nos. 042-99029202, 042-99029217

281

To: **Muhammad Zain-UI-Abadeen (Assiatant Resident Engineer)**

Dr.Mazhar Saleem

**E&PHE Div., Nespak (Pvt.) Ltd. Lahore**

**Project: (Package-II) Water Drainage System From Haji Camp to Ravi Via Lakshami Chowk, Mcleod Road, Nabha Road, Chuburji and Sham Nagar, Lahore**

Our Ref. No. CL/CED/

1470

Dated:

23-12-20

Your Ref. No.

3882/11/MZA/01/236

Dated:

15-12-20

## COMPRESSION TEST REPORT

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

Specimens received on:

17-12-20

Tested on:

22-12-20

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	4000 Psi	18	10	2020	6Diax12	14.4	28.28	75	5950	Non Engraved
2	4000 Psi	18	10	2020	6Diax12	15	28.28	65	5150	Non Engraved
3	4000 Psi	18	10	2020	6Diax12	14.6	28.28	59	4680	Non Engraved
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Dr. Mazhar Saleem

**To: Alam Dar Shah**  
**Alfaas Constructions**  
**Project: Masjid Zahara, Sunder Near Rangeel Pur Village**

Our Ref. No. CL/CED/ 1471 Dated: 23-12-20

Your Ref. No. Nil Dated: 18-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 18-12-20 Tested on: 22-12-20 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		9	10	2020	6Diax12	13.4	28.28	27	2140	Engraved
2		9	10	2020	6Diax12	13.8	28.28	57	4520	Engraved
3		9	10	2020	6Diax12	13.6	28.28	29	2300	Engraved
4		9	10	2020	6Diax12	14	28.28	57	4520	Engraved
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