



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

183

Dr. Umbreen

**To: Executive Engineer PWD**  
**Highways Division Bhimber**  
**Project: Construction of 81 Mtr Span Pre-Stressed RCC Bridge (Over Nullah Moil) Bharing Iftikharabad Road District Bhimber AK.**

Our Ref. No. CL/CED/ 1277 Dated: 01-12-20

Your Ref. No. Nil Dated: 25-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 25-11-20 Tested on: 30-11-20 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	P1 ( 1 : 1.5 : 3 )	14	9	2020	6Diax12	13.2	28.28	41	3250	Non Engraved
2	P2 ( 1 : 1.5 : 3 )	16	9	2020	6Diax12	13	28.28	31	2460	Non Engraved
3	P3 ( 1 : 1.5 : 3 )	18	9	2020	6Diax12	13.8	28.28	35	2780	Non Engraved
4	P4 ( 1 : 1.5 : 3 )	22	9	2020	6Diax12	13.2	28.28	35	2780	Non Engraved
5	P5 ( 1 : 1.5 : 3 )	25	9	2020	6Diax12	13	28.28	25	1980	Non Engraved
6	P6 ( 1 : 1.5 : 3 )	29	9	2020	6Diax12	13	28.28	27	2140	Non Engraved
7	P7 ( 1 : 1.5 : 3 )	5	10	2020	6Diax12	13	28.28	31	2460	Non Engraved
8	P8 ( 1 : 1.5 : 3 )	8	10	2020	6Diax12	13	28.28	31	2460	Engraved
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

184

To: Engr. Irfan Ali (Manager: Projects)

Dr. M. Yousaf

Ittefaq Construction Services, Lahore

Project: Construction of Commercial Plaza (42B, 43B, 44B Sector C and 19A) Main Boulevard Bahria Town Lahore

Our Ref. No. CL/CED/

1278

Dated:

01-12-20

Your Ref. No.

ICS/H.O/B.TP/04

Dated:

25-11-20

## COMPRESSION TEST REPORT

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

Specimens received on:

25-11-20

Tested on:

27-11-20

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	Basement Retaining Wall	17	11	2020	6Diax12	14	28.28	74	5870	Engraved
2	Basement Retaining Wall	17	11	2020	6Diax12	14	28.28	68	5390	Engraved
3	Basement Retaining Wall	17	11	2020	6Diax12	14	28.28	67	5310	Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

188

To: **M. Sohail Anjum (Project Manager)**

Dr. M. Yousaf

**P-156 Gulberg II, Lahore**

**Project: Construction of P-156 Gulberg II, Lahore**

Our Ref. No. CL/CED/

1279

Dated:

01-12-20

Your Ref. No.

P-156-175

Dated:

25-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 26-11-20 Tested on: 27-11-20 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	683 (4500 Psi)	18	11	2020	6Diax12	15	28.28	66	5230	Non Engraved
2	684 (4500 Psi)	18	11	2020	6Diax12	14.6	28.28	69	5470	Non Engraved
3	685 (4500 Psi)	18	11	2020	6Diax12	14.2	28.28	67	5310	Non Engraved
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185

**To: Altaf Hussain (M.E)**  
**AS Enterprises, Karachi**  
**Project: Style Textile Manga**

Dr. M. Yousaf

Our Ref. No. CL/CED/ 1280 Dated: 01-12-20

Your Ref. No. USD/ASE/20 Dated: 25-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 25-11-20 Tested on: 27-11-20 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	C20 (1065-D)	20	10	2020	6x6x6	9	36	90	5600	Non Engraved
2	C20 (1065-E)	20	10	2020	6x6x6	8.6	36	88	5480	Non Engraved
3	C20 (1065-F)	20	10	2020	6x6x6	8.4	36	84	5230	Non Engraved
4	C30 (1067-D)	21	10	2020	6x6x6	9	36	120	7470	Non Engraved
5	C30 (1067-E)	21	10	2020	6x6x6	8.6	36	121	7530	Non Engraved
6	C30 (1067-F)	21	10	2020	6x6x6	8.8	36	118	7350	Non Engraved
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**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

189

To: Sub Divisional Officer

Dr. M. Yousaf

Maintenance Sub Division No.2, GOR-III, Lahore

Project: Construction of Multi-Storey Flats/Suites for Officers of P&D and S&GAD in GOR-III, Shadman, Lahore

Our Ref. No. CL/CED/ 1281 Dated: 01-12-20

Your Ref. No. 248Sd/GOR-III,Lhr Dated: 24-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 26-11-20 Tested on: 27-11-20 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	10	2020	6x6x6	9	36	88	5480	Non Engraved
2		27	10	2020	6x6x6	8.8	36	84	5230	Non Engraved
3		27	10	2020	6x6x6	9	36	87	5420	Non Engraved
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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

189

To: **Sub Divisional Officer**

Dr. M. Yousaf

**Maintenance Sub Division No.2, GOR-III, Lahore**

**Project: Construction of Multi-Storey Flats/Suites for Officers of P&D and S&GAD in GOR-III, Shadman, Lahore**

Our Ref. No. CL/CED/ 1282 Dated: 01-12-20

Your Ref. No. 261Sd/GOR-III,Lhr Dated: 25-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 26-11-20 Tested on: 27-11-20 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		29	10	2020	6x6x6	8.4	36	53	3300	Non Engraved
2		29	10	2020	6x6x6	9	36	53	3300	Non Engraved
3		29	10	2020	6x6x6	8.4	36	56	3490	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

190

To: **M. Mushtaq**  
**Lahore**  
**Project: Nil**

Dr.Mazhar Saleem

Our Ref. No. CL/CED/ 1283 Dated: 01-12-20

Your Ref. No. Nil Dated: 26-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 26-11-20 Tested on: 30-11-20 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		18	11	2020	6Diax12	13.2	28.28	21	1670	Non Engraved
2		18	11	2020	6Diax12	14	28.28	37	2940	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

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Dr.Mazhar Saleem

To: **M. Shakeel**  
**Lahore**  
**Project: Nil**

Our Ref. No. CL/CED/ 1284 Dated: 01-12-20

Your Ref. No. Nil Dated: 26-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 26-11-20 Tested on: 30-11-20 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		26	10	2020	6Diax12	13.6	28.28	49	3890	Engraved
2		26	10	2020	6Diax12	13.6	28.28	53	4200	Engraved
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**Director/Dy. Director Concrete Laboratory**





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**Department of Civil Engineering**  
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Phone Nos. 042-99029202, 042-99029217

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Dr. Umbreen

**To: Mirza M. Arshad Baig (Resident Engineer)**  
**Meinhardt Pakistan (Pvt.) Ltd. Islamabad**  
**Project: PEC Building Lahore**

Our Ref. No. CL/CED/ 1285 Dated: 01-12-20

Your Ref. No. MPPL/Proj/PEC/LHR/RE Dated: 26-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 27-11-20 Tested on: 30-11-20 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		20	11	2020	6Diax12	13.4	28.28	43	3410	Engraved
2		20	11	2020	6Diax12	13.2	28.28	41	3250	Engraved
3		20	11	2020	6Diax12	13.4	28.28	51	4040	Engraved
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supervisor(lab)

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# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

201

To: Fahad Gin (Vice Construction Manager)

Dr. Qasim Khan

China Energy Engineering Group Hunan Electric Power Design Institute Co., Ltd.

Project: Contract No. FW(1)-002; JICA Loan No. PK-P58, 500kV Double Circuit Transmission Line for Looping In & Out of Existing 500kV Muzaffargarh-Ghatti Single Circuit T/Line at 500kV Faisalabad West Substation (approx. 2km) etc.

Our Ref. No. CL/CED/ 1286 Dated: 01-12-20

Your Ref. No. FW-002/TL/GD-040 Dated: 29-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 30-11-20 Tested on: 01-12-20 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		27	10	2020	6Diax12	13.4	28.28	70	5550	Engraved
2		27	10	2020	6Diax12	13.8	28.28	66	5230	Engraved
3		27	10	2020	6Diax12	13.5	28.28	62	4920	Engraved
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204

Dr. Umbreen

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

**Humqadam SCRП**

**Project: Humqadam-School Construction and Rehabilitation Programme**

Our Ref. No. CL/CED/

1287

Dated:

01-12-20

IMC-

Ho/SCRП/2020/MaterialTesting/LHR-

Your Ref. No.

01

Dated:

01-12-20

## COMPRESSION TEST REPORT

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

Specimens received

on:

01-12-20

Tested on:

01-12-20

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	23	11	2020	2.0x2.0x2.0	283	4	6.5	3640	
2	Mortar Cube	23	11	2020	2.0x2.0x2.0	282	4	6.5	3640	
3	Mortar Cube	23	11	2020	2.0x2.0x2.0	293	4	5.5	3080	
4	Mortar Cube	23	11	2020	2.0x2.0x2.0	283	4	7	3920	
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\*\*\*\* 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**