

Plain and Reinforced Concrete Laboratory Department of Civil Engineering

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

To: Engr. Muhammad Saleem (Assistant Resident Engineer) M/s AR Engineers

M/S AR Engineers Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore (Foundation F-1 & Line A, Basement Slab & Pool Beams From Line B-G/1-5, 2-Basement & 1 GF Columns at GF Line A/1, BF 11/Line B

| Our Ref. No. CL/CED/ | 1358 | Dated: | 09-12-20 |
|----------------------|--------------|--------|----------|
| Your Ref. No. | DOC#ARST-007 | Dated: | 04-12-20 |

COMPRESSION TEST REPORT

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

Specimens received on:

04-12-20

Tested on:

07-12-20 in dry/wet condition

| o Z Mark* ເວັ | | Casting Date* | | ate* | Size | Weight | Area of | Ultimate | Ultimate | |
|---------------------|-------------|---------------|-------|------|------------|-----------|----------|------------|----------|--------------|
| | /Wet Weight | | | (in) | (lbs./gms) | X-Section | load | Stress | Remarks | |
| 5 | | | (gms) | | | | (Sq. in) | (Tons/lbs) | (Psi) | |
| 1 | | 22 | 10 | 2020 | 6Diax12 | 14.2 | 28.28 | 47 | 3730 | Engraved |
| 2 | | 22 | 10 | 2020 | 6Diax12 | 14 | 28.28 | 45 | 3570 | Engraved |
| 3 | | 22 | 10 | 2020 | 6Diax12 | 15 | 28.28 | 49 | 3890 | Engraved |
| 4 | | 17 | 10 | 2020 | 6Diax12 | 14 | 28.28 | 33 | 2620 | Non Engraved |
| 5 | | 17 | 10 | 2020 | 6Diax12 | 14.6 | 28.28 | 37 | 2940 | Non Engraved |
| 6 | | 17 | 10 | 2020 | 6Diax12 | 14.6 | 28.28 | 67 | 5310 | Non Engraved |
| 7 | | 24 | 10 | 2020 | 6Diax12 | 14.6 | 28.28 | 84 | 6660 | Non Engraved |
| 8 | | 24 | 10 | 2020 | 6Diax12 | 14.6 | 28.28 | 77 | 6100 | Non Engraved |
| 9 | | 24 | 10 | 2020 | 6Diax12 | 14.4 | 28.28 | 67 | 5310 | 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

220

Dr.Mazhar Saleem



To: Sub Divisional Officer

Plain and Reinforced Concrete Laboratory Department of Civil Engineering

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

222

Engr. Ubaid

Buildings Sub Division No.12, Lahore Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (3rd Floor Slab)

| Our Ref. No. CL/CED/ | 1359 | Dated: | 09-12-20 |
|----------------------|-------------|--------|----------|
| Your Ref. No. | 551/SDO12th | Dated: | 02-11-20 |

COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

07-12-20

08

08-12-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | | /Wet Weight | | /Wet Weight | | /Wet Weight (in) (Ibs./gms) Se | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks | |
|---------|---------|---------------------------------------|----|-------------|-------|-------------|----|--------------------------------|--------------------------------------|--------------------------------|-----------------------------|---------|--|
| 1 | (1:2:4) | 3 | 10 | 2020 | 6x6x6 | 8.4 | 36 | 37 | 2310 | Non Engraved | | | |
| 2 | (1:2:4) | 3 | 10 | 2020 | 6x6x6 | 8.4 | 36 | 73 | 4550 | 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

To: Sub Divisional Officer

Buildings Sub Division No.22, Lahore

226 Engr. Ubaid

Project: Upgradation and Development of Shrine of Hazrat Bibi Pak Daman, Lahore

| Our Ref. No. CL/CED/ | 1360 | Dated: | 09-12-20 |
|----------------------|----------|--------|----------|
| Your Ref. No. | 579/22nd | Dated: | 05-12-20 |

COMPRESSION TEST REPORT

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

Specimens received on:

07-12-20

Tested on:

08-12-20 in dry/wet condition

| | 1 | | | | | | | 1 | |
|----------------------------------|--|--|---|---|---|--|--|--|--|
| | Ca | asting | g Date* | Size | Weight | Area of | Ultimate | Ultimate | |
| Mark* | Λ | Vet V | Veight | (in) | (lbs./gms) | X-Section | load | Stress | Remarks |
| | | (gn | ns) | | | (Sq. in) | (Tons/lbs) | (Psi) | |
| Beam Work for Right/Back Side | 8 | 11 | 2020 | 6x6x6 | 8.2 | 36 | 73 | 4550 | Engraved |
| Beam Work for | 8 | 11 | 2020 | 6x6x6 | 8.4 | 36 | 66 | 4110 | Engraved |
| Beam Work for Right/Back Side | 8 | 11 | 2020 | 6x6x6 | 8.2 | 36 | 69 | 4300 | Engraved |
| Column / Pedestal Work | 1 | 12 | 2020 | 6x6x6 | 8.6 | 36 | 79 | 4920 | Engraved |
| Column / Pedestal Work | 1 | 12 | 2020 | 6x6x6 | 8.4 | 36 | 75 | 4670 | Engraved |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | Beam Work for Right/Back Side Beam Work for Right/Back Side Beam Work for Right/Back Side Column / Pedestal Work Column / Pedestal | Mark* A Beam Work for Right/Back Side 8 Beam Work for Right/Back Side 8 Beam Work for Right/Back Side 8 Column / Pedestal 1 Work 1 | Mark* /Wet V Beam Work for Right/Back Side Beam Work for Right/Back Side Beam Work for Right/Back Side Column / Pedestal Work Column / Pedestal 1 12 | Beam Work for Right/Back Side8112020Beam Work for Right/Back Side8112020Beam Work for Right/Back Side8112020Column / Pedestal Work1122020Column / Pedestal Work1122020 | Mark*/Wet Weight(in)Beam Work for Right/Back Side81120206x6x6Beam Work for Right/Back Side81120206x6x6Beam Work for Right/Back Side81120206x6x6Beam Work for Right/Back Side81120206x6x6Beam Work for Right/Back Side11220206x6x6Column / Pedestal Work11220206x6x6 | Mark* /Wet Weight (in) (lbs./gms) Beam Work for Right/Back Side 8 11 2020 6x6x6 8.2 Beam Work for Right/Back Side 8 11 2020 6x6x6 8.4 Beam Work for Right/Back Side 8 11 2020 6x6x6 8.4 Beam Work for Right/Back Side 8 11 2020 6x6x6 8.2 Column / Pedestal Work 1 12 2020 6x6x6 8.6 Column / Pedestal 1 12 2020 6x6x6 8.4 | Mark*//Wet Weight(in)(lbs./gms)X-SectionImage: Mark*(gms)(gms)(sq. in)(sq. in)Beam Work for Right/Back Side81120206x6x68.236Beam Work for Right/Back Side81120206x6x68.436Beam Work for Right/Back Side81120206x6x68.236Beam Work for Right/Back Side81120206x6x68.436Column / Pedestal Work11220206x6x68.436 | Mark*/// Wet Weight(in)(lbs./gms)X-SectionloadImage: Mark*// (gms)(gms)(Sq. in)(Tons/lbs)Beam Work for Right/Back Side81120206x6x68.23673Beam Work for Right/Back Side81120206x6x68.43666Beam Work for Right/Back Side81120206x6x68.23669Column / Pedestal Work11220206x6x68.63679Column / Pedestal11220206x6x68.43675 | Mark* /// Wet Weight (in) (lbs./gms) X-Section load Stress Beam Work for Right/Back Side 8 11 2020 6x6x6 8.2 36 73 4550 Beam Work for Right/Back Side 8 11 2020 6x6x6 8.4 36 66 4110 Beam Work for Right/Back Side 8 11 2020 6x6x6 8.4 36 66 4100 Beam Work for Right/Back Side 8 11 2020 6x6x6 8.2 36 73 4550 Column / Pedestal Work 1 12 2020 6x6x6 8.4 36 66 4100 Column / Pedestal 1 12 2020 6x6x6 8.6 36 79 4920 |

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 comprensive 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

To: Muhammad Yousaf Javed (Director Projects Civil) Mecatech (Pvt.) Ltd. Project: State Bank of Pakistan Sialkot

 Our Ref. No. CL/CED/
 1361
 Dated:
 09-12-20

 Your Ref. No.
 Nil
 Dated:
 07-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 07-12-20

Tested on:

08-12-20 in dry/wet condition

| | | Casting Date* | Size | Weight | Area of | Ultimate | Ultimate | |
|---------|-------------|------------------|--------------|------------|-----------|------------|----------|---------|
| Sr. No. | Mark* | /Wet Weight | (in) | (lbs./gms) | X-Section | load | Stress | Remarks |
| 0) | | (gms) | | | (Sq. in) | (Tons/lbs) | (Psi) | |
| 1 | Solid Block | | 11.9x6.0x8.0 | 21.2 | 71.4 | 61 | 1920 | |
| 2 | Solid Block | | 11.9x6.0x8.0 | 21 | 71.4 | 59 | 1860 | |
| 3 | Solid Block | | 12.0x6.0x8.0 | 21 | 72 | 59 | 1840 | |
| 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 comprensive 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

225 Engr. Ubaid