



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

6444
 Dr. Aqsa

To: Mr. Mohammad Aslam
 Manager, Construction S-2, Allied Bank Limited, Engineering Cell, South-II, Multan.

Project: Construction of a New Building of ABL Satellite Town Branch, Region Rahim Yar Khan (0932).

Our Ref. No. CL/CED/ 3920

Dated: 10-01-24

Test Specification

Your Ref. No. Nil

Dated: 20-12-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 26-12-23 Tested on: 10-01-24 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---------|-------|---------------|-----|------|-----------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|---------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | KK | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3360 | 2845 | 37.84 | 39 | 2309 | 18.1 | --- |
| 2 | KK | --- | --- | --- | 8.7 x 4.3 x 2.9 | 3325 | 2870 | 37.41 | 43 | 2575 | 15.85 | --- |
| 3 | S | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3400 | 2830 | 37.84 | 26 | 1539 | 20.14 | --- |
| 4 | S | --- | --- | --- | 8.8 x 4.3 x 2.8 | 3295 | 2795 | 37.84 | 26 | 1539 | 17.89 | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- * 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
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

6438
 Dr. Aqsa

To: Resident Engineer
 ESS-I-AAR Consultant

Project: Rehabilitation / Improvement of Sewerage System District Jhang (Phase-I)

Our Ref. No. CL/CED/ 3921

Dated: 10-01-24

Test Specification

Your Ref. No. 2034/PHE/Jhang

Dated: 04-12-23

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 22-12-23 Tested on: 10-01-24 in dry/wet condition



| Sr. No. | Mark* | Casting Date* | | | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---------|-------|---------------|-----|------|-----------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|---------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | 555 | --- | --- | --- | 8.6 x 4.2 x 2.7 | 3000 | 2505 | 36.12 | 22 | 1364 | 19.76 | --- |
| 2 | 555 | --- | --- | --- | 8.4 x 4 x 2.8 | 2970 | 2655 | 33.6 | 33 | 2200 | 11.86 | --- |
| 3 | 555 | --- | --- | --- | 8.5 x 4.3 x 2.8 | 2965 | 2570 | 36.55 | 40 | 2451 | 15.37 | --- |
| 4 | 555 | --- | --- | --- | 8.5 x 4.3 x 2.8 | 3090 | 2690 | 36.55 | 37 | 2268 | 14.87 | --- |
| 5 | 555 | --- | --- | --- | 8.8 x 4.3 x 2.7 | 3160 | 2705 | 37.84 | 25 | 1480 | 16.82 | --- |
| 6 | 555 | --- | --- | --- | 8.7 x 4.2 x 2.7 | 3240 | 2720 | 36.54 | 29 | 1778 | 19.12 | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- * 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

Civil Engineering Department

University of Engineering and Technology, Lahore, Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

6453
Dr. Aqsa

To: Deputy Director Engineering
Lahore Development Authority, U.D. Wing

Project: Construction of Lawyer's Chambers at Ferozewala Courts Falling in Alignment of the Project (Part-II) & Construction of Multi-Level Grade Separation at Shahdara Morr, Lahore.

Our Ref. No. CL/CED/ 3922

Dated: 10-01-24

Test Specification

Your Ref. No. DD (Engg.)/LDA/36

Dated: 18-12-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 28-12-23 Tested on: 10-01-24 in dry/wet condition



| Sr. No. | Mark* | Casting Date* | | | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---------|--------------------------|---------------|-----|------|-----------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|---------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | Machine Made Double Line | --- | --- | --- | 8.8 x 4.2 x 2.8 | --- | 2750 | 36.96 | 32 | 1939 | --- | --- |
| 2 | Machine Made Double Line | --- | --- | --- | 8.8 x 4.1 x 2.7 | --- | 2705 | 36.08 | 32 | 1987 | --- | --- |
| 3 | Machine Made Double Line | --- | --- | --- | 8.7 x 4.3 x 2.8 | --- | 2690 | 37.41 | 44 | 2635 | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- * 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
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

6451
 Dr. Aqsa

To: Deputy Director Engineering
 Lahore Development Authority, U.D. Wing

Project: Construction of Lawyer's Chambers at Ferozewala Courts Falling in Alignment of the Project (Part-I).
 Construction of Multi-Level Grade Separation at Shahdara Morr, Lahore.

Our Ref. No. CL/CED/ 3923

Dated: 10-01-24

Test Specification

Your Ref. No. DD (Engg.)/LDA/38

Dated: 18-12-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 27-12-23 Tested on: 10-01-24 in dry/wet condition



| Sr. No. | Mark* | Casting Date* | | | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---------|-------|---------------|-----|------|-----------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|---------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | 7UP | --- | --- | --- | 8.8 x 4.3 x 3 | --- | 3340 | 37.84 | 39 | 2309 | --- | --- |
| 2 | 7UP | --- | --- | --- | 8.9 x 4.4 x 3.1 | --- | 3390 | 39.16 | 46 | 2631 | --- | --- |
| 3 | 7UP | --- | --- | --- | 8.8 x 4.3 x 3 | --- | 3250 | 37.84 | 47 | 2782 | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * 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
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

6448
 Dr. Aqsa

To: Mr. Muhammad Yousaf
 Senior Quantity Surveyor, Professional Construction Services Pvt. Ltd.

Project: Allied Bank DR Center Faisalabad

Our Ref. No. CL/CED/ 3924

Dated: 10-01-24

Test Specification

Your Ref. No. PCS/23/Eng/251

Dated: 27-12-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 27-12-23 **Tested on:** 10-01-24 **in dry/wet condition**



| Sr. No. | Mark* | Casting Date* | | | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---------|-------|---------------|-----|------|-----------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|---------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | HBC | --- | --- | --- | 8.7 x 4.2 x 2.9 | --- | 2875 | 36.54 | 37 | 2268 | --- | --- |
| 2 | HBC | --- | --- | --- | 8.7 x 4.3 x 2.8 | --- | 2840 | 37.41 | 34 | 2036 | --- | --- |
| 3 | HBC | --- | --- | --- | 8.6 x 4.2 x 2.8 | --- | 2875 | 36.12 | 47 | 2915 | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * 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
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

6513
 Dr. Aqsa

To: S.J. Re-rolling Steel Mills Pvt. Ltd.
 Sharqpur Road, Sheikhpura.

Project: Nil

Our Ref. No. CL/CED/ 3925

Dated: 10-01-24

Test Specification

Your Ref. No. Nil

Dated: 08-01-24

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 09-01-24 Tested on: 10-01-24 in dry/wet condition



| Sr. No. | Mark* | Casting Date* | | | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---------|-------------------------|---------------|-----|------|-----------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|---------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.1 | --- | 2300 | 30.42 | 47 | 3461 | --- | --- |
| 2 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.1 | --- | 2405 | 30.42 | 68 | 5007 | --- | --- |
| 3 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.1 | --- | 2245 | 30.42 | 41 | 3019 | --- | --- |
| 4 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.2 | --- | 2495 | 30.42 | 45 | 3314 | --- | --- |
| 5 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.1 | --- | 2305 | 30.42 | 56 | 4124 | --- | --- |
| 6 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.2 | --- | 2440 | 30.42 | 48 | 3535 | --- | --- |
| 7 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.1 | --- | 2315 | 30.42 | 55 | 4050 | --- | --- |
| 8 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.1 | --- | 2325 | 30.42 | 67 | 4934 | --- | --- |
| 9 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.2 | --- | 2460 | 30.42 | 55 | 4050 | --- | --- |
| 10 | Rectangular, Grey, 50mm | --- | --- | --- | 7.8 x 3.9 x 2.2 | --- | 2420 | 30.42 | 54 | 3976 | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports/>

- * 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