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

9732

To: **Engr. Ghulam Sarwar (Resident Engineer)** Dr. M. Yousaf
Velosi Integrity & Safety Pakistan (Pvt.) Ltd.
Project: Demolition and Re-Construction of Railway Station at Nankana Sahib Pakistan Railways

Our Ref. No. CL/CED/ 9774 Dated: 30-01-20

Your Ref. No. V84-L-ES-36 Dated: 30-12-19

COMPRESSION TEST REPORT

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

Specimens received on: 30-12-19 Tested on: 29-01-20 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	F-16 1(i)		4.3x4.3x2.7	1385	18.49	17.5	2120	
2	F-16 1(ii)		4.3x4.3x2.7	1390	18.49	25.5	3090	
3	F-16 2(i)		4.3x4.3x2.8	1417	18.49	28	3400	
4	F-16 2(ii)		4.3x4.3x2.8	1421	18.49	27	3280	
5	F-16 3(i)		4.3x4.1x2.6	1332	17.63	23.5	2990	
6	F-16 3(ii)		4.3x4.1x2.6	1328	17.63	19.5	2480	
7	F-16 4(i)		4.3x4.3x2.8	1397	18.49	23	2790	
8	F-16 4(ii)		4.3x4.3x2.8	1390	18.49	30	3640	
9	F-16 5(i)		4.3x4.3x2.7	1478	18.49	20	2430	
10	F-16 5(ii)		4.3x4.3x2.7	1471	18.49	24	2910	
11	F-16 6(i)		4.3x4.2x2.8	1382	18.06	24.5	3040	
12	F-16 6(ii)		4.3x4.2x2.8	1391	18.06	28.5	3540	
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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 comprerssive 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**

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9863

To: **Asghar Ali (QA&QC Manager)** Dr. Umbreen
Descon Engg. Pvt. Ltd.
Project: PARCO Revamp & TA-04

Our Ref. No. CL/CED/ 9775 Dated: 30-01-20

Your Ref. No. DEL-UET-07 Dated: 27-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-20 Tested on: 29-01-20 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	Refectory Cube 1A	25	1	2020	2x2x2	146	4	0.95	530	
2	Refectory Cube 2A	25	1	2020	2x2x2	146	4	0.85	470	
3	Refectory Cube 3A	25	1	2020	2x2x2	147	4	0.82	460	
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9863

To: **Asghar Ali (QA&QC Manager)** Dr. Umbreen
Descon Engg. Pvt. Ltd.
Project: PARCO Revamp & TA-04

Our Ref. No. CL/CED/ 9776 Dated: 30-01-20

Your Ref. No. DEL-UET-08 Dated: 27-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-01-20 Tested on: 29-01-20 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	Refectory Cube 1B	26	1	2020	2x2x2	155	4	1.2	670	
2	Refectory Cube 2B	26	1	2020	2x2x2	154	4	1.35	750	
3	Refectory Cube 3B	26	1	2020	2x2x2	159	4	0.9	500	
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9847

To: **M. Shoaib Khan** Dr. Umbreen
Ozone Construction Chemicals Pvt. Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 9778 Dated: 30-01-20

Your Ref. No. 2701/EPO/07 Dated: 23-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-01-20 Tested on: 27-01-20 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	Ozone EpoGrout	20	1	2020	3x3x3	703	9	53	13200	
2	Ozone EpoGrout	20	1	2020	3x3x3	704	9	43	10710	
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supervisor(lab) **Director/Dy. Director Concrete Laboratory**