

Engr Jaffar Rashid
Project Manager, IZHAR Concrete (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: ICPL/CCBPL/LAB/07

SOM Lab

Ref: 1469(Page-1/1)

Dated: 26-09-2018

Dated: 26-12-2018

Test: Tension Test & Bend Test

Test Specification:

BS -4449

Deformed

Gauge Length: 8 inch

Sample Type:

Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.487	6	0.746	0.44	0.437	18.15	21.63	91000	91630	108420	109170	1.00	8.0	12.5	
2	1.481	6	0.744	0.44	0.435	18.14	21.68	90950	92000	108680	109930	1.00	8.0	12.5	
3	1.012	5	0.615	0.31	0.297	9.86	12.35	70130	73200	87900	91750	1.00	8.0	12.5	
4	1.002	5	0.612	0.31	0.294	10.37	12.86	73760	77770	91520	96500	1.10	8.0	13.8	
5	0.650	4	0.493	0.20	0.191	6.09	9.28	67110	70270	102290	107110	1.10	8.0	13.8	
6	0.658	4	0.496	0.20	0.193	6.19	9.33	68230	70710	102860	106590	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

H. Developments Construction,
4-Babar Block, Main Boulevard, Garden Town, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

SOM Lab

Ref: 1471(Page-1/1)

Dated: 26-09-2019

Dated: 26-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.612	8	0.989	0.79	0.768	26.86	35.47	74990	77140	99030	101870	1.30	8.0	16.3	
2	2.602	8	0.987	0.79	0.765	23.82	32.79	66510	68680	91550	94540	1.20	8.0	15.0	
3	1.485	6	0.745	0.44	0.436	14.32	18.60	71790	72450	93250	94110	1.30	8.0	16.3	
4	1.483	6	0.745	0.44	0.436	14.37	18.73	72050	72710	93860	94720	1.30	8.0	16.3	
5	0.642	4	0.491	0.20	0.189	6.57	8.43	72510	76730	92960	98370	0.90	8.0	11.3	
6	0.660	4	0.497	0.20	0.194	7.03	8.66	77560	79960	95550	98500	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Khalid Latif Sheikh
PMCS Manager, MAK Associates, Lahore

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: MAK/PAF/SV-GL/TB-037

SOM Lab Ref: 1472(Page-1/1)

Dated: 24-09-2019

Dated: 26-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.660	8	0.998	0.79	0.782	28.72	36.72	80170	80990	102510	103560	1.20	8.0	15.0	
2	2.664	8	0.998	0.79	0.783	28.82	36.51	80450	81170	101940	102850	1.10	8.0	13.8	
3	1.505	6	0.750	0.44	0.442	14.78	20.56	74090	73750	103060	102590	1.20	8.0	15.0	
4	1.489	6	0.747	0.44	0.438	14.48	19.57	72560	72890	98100	98550	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sub Divisional Officer
Highway Sub Division, Arifwala

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: 387/SDO-A
Dated: 31-08-2019
Test: Tension Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Plain & Deformed Bar

SOM Lab
Ref: 1473 (Page-1/1)
Dated: 26-09-2019

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.515	8	0.970	0.79	0.739	18.86	27.37	52650	56280	76410	81680	2.30	8.0	28.8	Plain Bar
2	1.284	6	0.693	0.44	0.377	9.33	15.31	46760	54570	76750	89570	1.10	8.0	13.8	Deformed
3	0.533	4	0.447	0.20	0.157	4.20	6.54	46320	59000	72170	91930	1.00	8.0	12.5	Deformed
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Usman Ali

Project Manager, Maypole Lime Light Pvt. Ltd Project: Maypole Lime Light(Front Building)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: MLL-11

Dated: 27-09-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 1476(Page-1/1)

Dated: 27-09-2019

ASTM-A-615

Deformed

Bar

Gauge Length: 8 inch

Sample Type:

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.621	8	0.990	0.79	0.770	24.31	32.31	67870	69640	90210	92560	1.30	8.0	16.3	
2	2.621	8	0.990	0.79	0.770	23.85	31.62	66590	68320	88280	90570	1.20	8.0	15.0	
3	0.661	4	0.497	0.20	0.194	5.56	8.48	61270	63160	93530	96420	1.30	8.0	16.3	
4	0.664	4	0.498	0.20	0.195	5.63	8.48	62050	63640	93530	95920	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Khalid Hussain

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

AEN/Civil/RSP, Pakistan Railways, HQs Office Lahore (LON-SDR) Section

Client Reference: Sig-Proj/Lon-SDR/201-H/RSP

SOM Lab

Ref:

1479 (Page-1/1)

Dated: 24-09-2019

Dated:

27-09-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length:

8 inch

Sample Type:

Deformed

Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.491	6	0.747	0.44	0.438	17.23	20.59	86350	86750	103210	103680	1.00	8.0	12.5	
2	1.510	6	0.752	0.44	0.444	17.74	20.77	88910	88110	104130	103190	0.90	8.0	11.3	
3	1.491	6	0.747	0.44	0.438	14.22	18.40	71280	71610	92230	92650	1.10	8.0	13.8	
4	0.686	4	0.507	0.20	0.202	6.39	9.89	70480	69780	109040	107960	1.00	8.0	12.5	
5	0.685	4	0.506	0.20	0.201	6.39	9.89	70480	70130	109040	108490	1.10	8.0	13.8	
6	0.685	4	0.506	0.20	0.201	6.44	9.91	71040	70690	109260	108720	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Deputy Chief Works
Punjab Safe Cities Authority, Lahore

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: 10492/Civil/PSCA/2019

SOM Lab
Ref: 1481 (Page-1/1)

Dated: 07-08-2019

Dated: 27-09-2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch

Sample Type:

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.476	6	0.743	0.44	0.434	13.91	19.24	69750	70710	96420	97750	1.20	8.0	15.0	
2	1.466	6	0.741	0.44	0.431	13.83	19.13	69340	70790	95910	97910	1.20	8.0	15.0	
3	0.592	4	0.471	0.20	0.174	6.93	8.38	76440	87860	92400	106210	1.20	8.0	15.0	
4	0.594	4	0.472	0.20	0.175	6.90	8.46	76100	86970	93300	106630	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

W-Mall
MM Alam Road, Gulberg - III, Lahore

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: nil

SOM Lab

Ref: 1482(Page-1/1)

Dated: 27-09-2019

Dated: 27-09-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed

Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.633	8	0.993	0.79	0.774	26.91	34.86	75130	76680	97330	99340	1.20	8.0	15.0	
2	1.536	6	0.758	0.44	0.451	17.23	20.69	86350	84250	103720	101190	1.00	8.0	12.5	
3	0.665	4	0.498	0.20	0.195	5.81	9.04	64080	65720	99710	102260	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Nisar A. Gondal
M. R. Electric Concern (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: MREC/HVDCLHR-12-2018/8

SOM Lab

Ref: 1483 (Page-1/1)

Dated: 27-09-2019

Dated: 27-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	3.333	9	1.116	1.00	0.979	30.89	43.24	68120	69580	95370	97410	1.10	8.0	13.8	
2	3.309	9	1.112	1.00	0.972	32.01	43.68	70600	72630	96340	99110	1.10	8.0	13.8	
3	2.623	8	0.991	0.79	0.771	24.52	34.35	68440	70130	95900	98270	1.30	8.0	16.3	
4	2.577	8	0.982	0.79	0.757	24.21	34.05	67590	70540	95050	99190	1.30	8.0	16.3	
5	1.463	6	0.740	0.44	0.430	13.73	18.50	68830	70430	92740	94900	1.20	8.0	15.0	
6	1.450	6	0.736	0.44	0.426	13.46	18.14	67450	69660	90950	93940	1.30	8.0	16.3	
7	0.662	4	0.498	0.20	0.195	5.93	8.26	65420	67100	91050	93390	1.30	8.0	16.3	
8	0.664	4	0.498	0.20	0.195	5.91	8.33	65200	66870	91840	94190	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 9	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

M Irfan UI Hassan

Dy Dir MTL, External Elec Works (U/G) IVY Green Sector-Z, - DHA , Ph-VIII - (M/S NLC)

Client Reference: 408/241/E/Lab/720/1689

SOM Lab

Ref: 1484(Page-1/1)

Dated: 27-09-2019

Dated: 27-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (FF Steel)

Gauge Length: 8 inch

Sample Type:

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.473	6	0.743	0.44	0.433	15.46	20.85	77510	78770	104490	106180	0.90	8.0	11.3	
2	1.478	6	0.743	0.44	0.434	15.49	20.92	77670	78740	104850	106300	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk