

Client Reference No.: UG/II/Q.A/Q.C/2513

Dated: 15-09-2025

SOM Lab Ref: CED/SOM/1783

Dated: 17-09-2025

Test Type: Load Test of RPC Manhole Cover

Test Standard: Non-standard test was performed as per requirement of the client [Application of load at the center of the Manhole Cover through circular thick steel plate of 15 Inch diameter]

Test Performed by: Dr. Asad Ali Gillani

Col ® M. Ameen

General Manager (INFRA)

Union Developers (Pvt) Ltd. Lahore.

This is with reference to your above-mentioned letter and SOM receipt No.1783 dated: 17-09-2025. Two samples of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Sr. No	Diameter of Manhole Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
1	632 mm	58.2 mm	11600 kg	The sample was cracked at this load
2	635 mm	57.3 mm	14900 Kg	The sample was cracked at this load

Kashif Shahzad
 Manager-Technical Gharibwal Cement Ltd.Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: GCL/Purchase/UET/019

Dated: 17-09-2025

SOM Lab Ref: CED/SOM/1782 (P-1/1)

Dated: 17-09-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	5.453	29	29.75	661	695	421.70	485.50	638	607	735	699	30.0	200	15.0	H # 06
2	5.296	29	29.31	661	675	407.00	466.50	616	604	706	692	35.0	200	17.5	H # 06
3	4.801	28	27.91	616	612	317.00	418.70	515	519	680	685	32.5	200	16.3	H # 653
4	4.730	28	27.70	616	603	303.70	406.70	493	505	660	675	27.5	200	13.8	H # 652
5	0.884	12	11.98	113	113	53.70	72.50	475	477	641	644	27.5	200	13.8	H # 657
6	0.882	12	11.96	113	112	52.50	71.20	464	468	630	634	27.5	200	13.8	H # 658
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BEND TEST:

29mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eleven Samples Received and Tested
28mm	Sample bend through 180 degrees Satisfactorily without any crack	
28mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Saleem Tahir
PM ICPL (OMBRé' Holding Pvt Ltd Raiwind,Lahore)

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

Client Reference: OMBRe'/Mughal/Steel/020

Dated: 17-09-2025

SOM Lab Ref: CED/SOM/1791(Page-1/1)

Dated: 17-09-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS Deformed Bar

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.401	20	19.74	314	306	150.50	199.50	479	492	635	652	35.0	200	17.5	
2	2.407	20	19.76	314	307	151.50	200.70	482	495	639	655	40.0	200	20.0	
3	1.525	16	15.73	201	194	105.00	134.00	522	541	666	690	32.5	200	16.3	
4	1.529	16	15.75	201	195	104.00	134.00	517	535	666	689	30.0	200	15.0	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	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

Iftikhar Ahmed, Snr GM

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Sufi City.(Const of Afsheen Commercial Plaza at Sufi City Housing Society, Mandi Bahaud Din)

Client Reference: SUFI/20250916/AFSHEEN-BLD/01

SOM Lab

Ref: 1778 (Page-1/1)

Dated: 16-09-2025

Dated: 17-09-2025

Test: Tension Test & Bend 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	2.692	8	1.004	0.79	0.791	25.61	339.55	71490	71400	947900	946700	1.40	8.0	17.5	
2	2.674	8	1.000	0.79	0.786	25.69	33.59	71720	72080	93770	94250	1.30	8.0	16.3	
3	1.478	6	0.743	0.44	0.434	14.27	18.96	71540	72520	95040	96350	1.30	8.0	16.3	
4	1.472	6	0.743	0.44	0.433	13.81	18.76	69240	70360	94020	95540	1.50	8.0	18.8	
5	0.667	4	0.500	0.20	0.196	5.73	8.28	63180	64470	91280	93140	1.50	8.0	18.8	
6	0.675	4	0.502	0.20	0.198	5.83	8.38	64300	64950	92400	93330	1.40	8.0	17.5	
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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

Principal

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Govt. Technical Training Institute Jauharabad. (Const of Upgradation Work GTTI to GCT Jauharabad)

Client Reference: TEVTA/GTTI(W)/JHB/2025/771

SOM Lab

Ref: 1779 (Page-1/1)

Dated: 04-09-2025

Dated: 17-09-2025

Test: Tension Test & Bend 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	1.486	6	0.746	0.44	0.437	12.33	19.13	61830	62250	95910	96560	1.00	8.0	12.5	
2	1.480	6	0.744	0.44	0.435	11.64	18.42	58350	59020	92330	93390	1.20	8.0	15.0	
3	0.669	4	0.501	0.20	0.197	6.47	8.46	71380	72470	93300	94720	0.90	8.0	11.3	
4	0.598	4	0.473	0.20	0.176	5.73	7.80	63180	71790	85990	97720	1.20	8.0	15.0	
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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

Syed Imran Hassan Kazmi,CEO

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Wahab International Lahore.(Const Our Factory of Wahab International Plot No.9 Opp Railway Line Moza Nagar Lhr)

Client Reference: Wahab/GE/ST/001

SOM Lab

Ref: 1780 (Page-1/1)

Dated: 16-09-2025

Dated: 17-09-2025

Test: Tension Test & Bend 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	1.455	6	0.738	0.44	0.428	13.93	19.67	69850	71810	98610	101380	1.40	8.0	17.5	
2	1.445	6	0.736	0.44	0.425	13.58	19.24	68060	70460	96420	99820	1.20	8.0	15.0	
3	0.643	4	0.491	0.20	0.189	7.10	9.23	78350	82910	101730	107650	1.30	8.0	16.3	
4	0.646	4	0.492	0.20	0.190	7.03	9.12	77560	81650	100610	105900	1.10	8.0	13.8	
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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

M. Mudassar Nadeem
Klash Pvt Ltd Faisalabad.

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

Client Reference: Nil
Dated: 17-09-2025

SOM Lab
Ref: 1781 (Page-1/1)
Dated: 17-09-2025

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.581	8	0.982	0.79	0.758	29.17	37.51	81450	84890	104730	109150	1.20	8.0	15.0	
2	2.603	8	0.987	0.79	0.765	28.75	36.21	80250	82880	101080	104390	1.20	8.0	15.0	
3	1.479	6	0.744	0.44	0.435	16.67	21.12	83540	84500	105870	107090	1.30	8.0	16.3	
4	1.480	6	0.744	0.44	0.435	16.74	21.15	83900	84860	106020	107240	1.10	8.0	13.8	
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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

Islamabad Premium Steet
Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 1784 (Page-1/1)

Dated: 10-09-2025

Dated: 17-09-2025

Test: Tension Test & Bend 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	1.542	6	0.759	0.44	0.453	13.56	19.54	67960	66010	97950	95140	1.10	8.0	13.8	
2	1.050	5	0.627	0.31	0.309	10.57	14.12	75210	75450	100440	100770	1.10	8.0	13.8	
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BEND TEST:

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

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

Qamar Uz Zaman

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Aujla & Associates.(Masjid Fatima Block A Royal Palm City H/Scheme Gujranwala)

Client Reference: Nil

SOM Lab

Ref: 1785 (Page-1/3)

Dated: 17-09-2025

Dated: 17-09-2025

Test: Tension Test & Bend 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	2.606	8	0.988	0.79	0.766	25.59	35.55	71430	73670	99230	102340	1.20	8.0	15.0	
2	2.611	8	0.988	0.79	0.767	25.18	35.42	70290	72400	98890	101860	1.40	8.0	17.5	
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BEND TEST:

# 8	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

Qamar Uz Zaman

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Aujla & Associates.(Masjid Fatima Block A Royal Palm City H/Scheme Gujranwala)

Client Reference: Nil

SOM Lab

Ref:

1785 (Page-2/3)

Dated: 17-09-2025

Dated:

17-09-2025

Test: Tension Test & Bend 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	1.484	6	0.745	0.44	0.436	14.53	20.71	72810	73480	103830	104780	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	15.87	21.56	79560	80470	108070	109310	1.10	8.0	13.8	
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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

Qamar Uz Zaman

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Aujla & Associates.(Masjid Fatima Block A Royal Palm City H/Scheme Gujranwala)

Client Reference: Nil

SOM Lab

Ref:

1785 (Page-3/3)

Dated: 17-09-2025

Dated:

17-09-2025

Test: Tension Test & Bend 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	0.656	4	0.496	0.20	0.193	6.88	9.04	75880	78630	99710	103320	1.00	8.0	12.5	
2	0.648	4	0.492	0.20	0.190	7.46	9.43	82290	86620	103980	109450	1.00	8.0	12.5	
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BEND TEST:

# 4	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

Qamar Uz Zaman

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Aujla & Associates.(Gate No.1 Canal View Phase-II H/Scheme Gujranwala)

Client Reference: Nil

SOM Lab

Ref:

1786 (Page-1/3)

Dated: 17-09-2025

Dated:

17-09-2025

Test: Tension Test & Bend 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	2.595	8	0.986	0.79	0.763	24.84	35.07	69350	71810	97900	101360	1.30	8.0	16.3	
2	2.606	8	0.988	0.79	0.766	24.74	35.07	69070	71230	97900	100960	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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

Qamar Uz Zaman

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Aujla & Associates.(Gate No.1 Canal View Phase-II H/Scheme Gujranwala)

Client Reference: Nil

SOM Lab

Ref:

1786 (Page-2/3)

Dated: 17-09-2025

Dated:

17-09-2025

Test: Tension Test & Bend 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	1.483	6	0.745	0.44	0.436	15.26	21.10	76490	77190	105770	106740	1.30	8.0	16.3	
2	1.483	6	0.745	0.44	0.436	14.93	20.82	74860	75540	104340	105290	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Qamar Uz Zaman

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Aujla & Associates.(Gate No.1 Canal View Phase-II H/Scheme Gujranwala)

Client Reference: Nil

SOM Lab

Ref:

1786 (Page-3/3)

Dated: 17-09-2025

Dated:

17-09-2025

Test: Tension Test & Bend 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	0.649	4	0.493	0.20	0.191	6.98	9.17	77000	80630	101170	105940	1.20	8.0	15.0	
2	0.648	4	0.492	0.20	0.190	7.16	9.19	78910	83070	101390	106730	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 4	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

Kamran Khan

Test Performed By:

Dr. /Engr.

Nauman Khurram

Procurement Manager Q Links Construction Lahore.(Const Of Q-High Street Lhr)

Client Reference: Sep-Mix

SOM Lab

Ref:

1787 (Page-1/1)

Dated: 16-09-2025

Dated:

17-09-2025

Test: Tension Test & Bend 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	2.737	8	1.012	0.79	0.804	24.23	34.22	67650	66470	95530	93870	1.40	8.0	17.5	
2	1.502	6	0.749	0.44	0.441	15.16	20.54	75980	75810	102960	102720	1.30	8.0	16.3	
3	0.636	4	0.488	0.20	0.187	5.50	8.31	60700	64920	91610	97980	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Kamran Khan

Procurement Manager Q Links Construction Lahore.(Const Of Q-High Street Lhr)

Test Performed By:

Dr. /Engr.

Nauman Khurram

Client Reference: Sep-Jibran-004

Dated: 16-09-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

1788 (Page-1/1)

Dated:

17-09-2025

ASTM-A-615

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	1.463	6	0.740	0.44	0.430	13.37	19.88	67040	68600	99640	101950	1.30	8.0	16.3	
2	0.657	4	0.496	0.20	0.193	6.52	8.46	71940	74550	93300	96680	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Kamran Khan

Procurement Manager Q Links Construction Lahore.(Const Of Q-High Street Lhr)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Sep-MMZ-001

Dated: 16-09-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

SOM Lab

Ref: 1789 (Page-1/1)

Dated: 17-09-2025

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	2.654	8	0.997	0.79	0.780	24.43	32.98	68220	69090	92060	93240	1.40	8.0	17.5	
2	1.490	6	0.747	0.44	0.438	13.78	19.32	69080	69400	96830	97270	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	5.91	8.33	65200	67920	91840	95670	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Adnan Nadeem
C.E.O Haiders Planners & Builders Pvt Ltd.(Al Manzoor Mall)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: AMM-10

SOM Lab

Ref: 1790 (Page-1/2)

Dated: 16-09-2025

Dated: 17-09-2025

Test: Tension Test & Bend 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	1.445	6	0.736	0.44	0.425	15.44	20.51	77410	80140	102800	106430	1.10	8.0	13.8	
2	1.447	6	0.736	0.44	0.425	15.60	20.56	78180	80940	103060	106700	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	5.71	8.74	62950	65570	96340	100350	1.30	8.0	16.3	
4	0.660	4	0.497	0.20	0.194	5.78	8.74	63740	65710	96340	99310	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Adnan Nadeem
C.E.O Haiders Planners & Builders Pvt Ltd.(Al Manzoor Mall)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: AMM-11

SOM Lab

Ref: 1790 (Page-2/2)

Dated: 17-09-2025

Dated: 17-09-2025

Test: Tension Test & Bend 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	2.616	8	0.990	0.79	0.769	28.92	36.26	80740	82940	101230	103990	1.20	8.0	15.0	
2	2.634	8	0.993	0.79	0.774	28.61	36.62	79880	81530	102220	104330	1.20	8.0	15.0	
3	1.465	6	0.741	0.44	0.431	13.93	19.32	69850	71310	96830	98850	1.30	8.0	16.3	
4	1.473	6	0.743	0.44	0.433	14.44	19.72	72400	73570	98870	100470	1.40	8.0	17.5	
5	0.658	4	0.496	0.20	0.193	5.58	8.53	61490	63720	94090	97500	1.40	8.0	17.5	
6	0.658	4	0.496	0.20	0.193	5.63	8.56	62050	64300	94420	97850	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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