

AJ Contractors
Lahore.[Project TAWAL Site ID: TWPBWP0020]

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: AJ Contractor/Steel/TAWAL/21

Dated: 01-10-2025

SOM Lab Ref: CED/SOM/186 (Page-1/1)

Dated: 01-10-2025

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	1.573	16	15.96	201	200	105.50	134.50	525	528	669	673	25.0	200	12.5	
2	0.988	12	12.66	113	126	64.50	82.50	570	513	729	656	27.5	200	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

Haroon Ur Rasheed
RE Pioneer Cement Limited Site Khushab, Pakistan.

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

Client Reference: PCL/PL04/TUV/01

Dated: 22-09-2025

SOM Lab Ref: CED/SOM/1866 (Page-1/5)

Dated: 01-10-2025

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	2.423	20	19.84	314	309	154.70	205.00	492	501	653	664	35.0	200	17.5	H# 523
2	2.442	20	19.90	314	311	161.00	209.50	512	518	667	674	32.5	200	16.3	H# 523
3	2.454	20	19.95	314	313	158.20	203.20	504	507	647	650	37.5	200	18.8	H# 522
4	2.458	20	19.97	314	313	155.50	201.70	495	497	642	645	40.0	200	20.0	H# 522
5	2.456	20	19.96	314	313	162.70	204.50	518	521	651	654	37.5	200	18.8	H# 527
6	2.413	20	19.79	314	307	150.50	202.00	479	490	643	658	37.5	200	18.8	H# 527
7	2.419	20	19.81	314	308	150.20	202.50	478	488	645	658	35.0	200	17.5	H# 520
8	2.468	20	20.01	314	314	162.70	210.00	518	518	668	668	40.0	200	20.0	H# 520
9	2.443	20	19.90	314	311	155.20	201.20	494	499	640	647	40.0	200	20.0	H# 524
10	2.434	20	19.87	314	310	162.00	207.50	516	523	660	670	35.0	200	17.5	H# 524

BEND TEST:

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

Haroon Ur Rasheed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Pioneer Cement Limited Site Khushab, Pakistan.

Client Reference: PCL/PL04/TUV/01

Dated: 22-09-2025

SOM Lab Ref: CED/SOM/1866 (Page-2/5)

Dated: 01-10-2025

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	2.455	20	19.96	314	313	157.00	199.50	500	502	635	638	35.0	200	17.5	H # 521
2	2.436	20	19.88	314	310	163.50	199.70	520	527	636	644	37.5	200	18.8	H # 521
3	2.442	20	19.90	314	311	154.00	206.20	490	496	656	663	40.0	200	20.0	H # 530
4	2.507	20	20.17	314	319	161.00	210.00	512	505	668	658	32.5	200	16.3	H # 530
5	2.200	20	18.89	314	280	143.00	187.70	455	511	597	670	37.5	200	18.8	H # 525
6	2.197	20	18.88	314	280	141.00	181.50	449	504	578	649	30.0	200	15.0	H # 525
7	2.463	20	19.99	314	314	153.20	205.70	488	489	655	656	30.0	200	15.0	H # 190
8	2.434	20	19.87	314	310	154.70	201.50	492	500	641	650	35.0	200	17.5	H # 190
9	2.495	20	20.12	314	318	153.50	205.50	489	483	654	647	35.0	200	17.5	H # 178
10	2.478	20	20.05	314	316	151.00	205.20	481	479	653	650	37.5	200	18.8	H # 178

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Fifteen Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Haroon Ur Rasheed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Pioneer Cement Limited Site Khushab, Pakistan.

Client Reference: PCL/PL04/TUV/01

Dated: 22-09-2025

SOM Lab Ref: CED/SOM/1866 (Page-3/5)

Dated: 01-10-2025

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	2.466	20	20.00	314	314	158.00	213.50	503	504	680	680	35.0	200	17.5	H# 519
2	2.426	20	19.84	314	309	153.70	209.50	489	498	667	678	32.5	200	16.3	H# 519
3	2.507	20	20.16	314	319	182.00	230.00	579	570	732	721	35.0	200	17.5	H# 187
4	2.445	20	19.92	314	311	156.70	212.00	499	504	675	681	32.5	200	16.3	H# 187
5	2.438	20	19.88	314	311	161.50	212.70	514	521	677	685	32.5	200	16.3	H# 186
6	2.462	20	19.99	314	314	156.20	207.20	497	498	660	661	32.5	200	16.3	H# 186
7	2.440	20	19.89	314	311	153.00	205.50	487	493	654	662	37.5	200	18.8	H# 180
8	2.454	20	19.95	314	313	160.00	209.50	509	512	667	671	37.5	200	18.8	H# 180
9	2.448	20	19.93	314	312	155.00	209.70	493	497	667	673	37.5	200	18.8	H# 179
10	2.425	20	19.83	314	309	160.00	207.00	509	518	659	671	40.0	200	20.0	H# 179

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Fifteen Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Haroon Ur Rasheed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Pioneer Cement Limited Site Khushab, Pakistan.

Client Reference: PCL/PL04/TUV/01

Dated: 22-09-2025

SOM Lab Ref: CED/SOM/1866 (Page-4/5)

Dated: 01-10-2025

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	2.480	20	20.06	314	316	155.20	204.20	494	492	650	647	37.5	200	18.8	H# 188
2	2.470	20	20.02	314	315	152.00	208.70	484	484	664	664	35.0	200	17.5	H# 188
3	2.439	20	19.89	314	311	155.00	204.70	493	499	652	659	27.5	200	13.8	H# 173
4	2.423	20	19.82	314	309	153.50	204.70	489	498	652	664	30.0	200	15.0	H# 173
5	2.430	20	19.85	314	310	155.00	211.00	493	501	672	682	32.5	200	16.3	H# 172
6	2.460	20	19.98	314	313	153.20	208.50	488	489	664	666	27.5	200	13.8	H# 172
7	2.433	20	19.86	314	310	152.70	206.70	486	493	658	667	35.0	200	17.5	H# 191
8	2.422	20	19.82	314	308	151.50	206.50	482	492	657	670	27.5	200	13.8	H# 191
9	2.436	20	19.88	314	310	150.50	207.20	479	485	660	668	30.0	200	15.0	H# 177
10	2.481	20	20.06	314	316	162.20	216.50	516	514	689	686	35.0	200	17.5	H# 177

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Fifteen Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Haroon Ur Rasheed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Pioneer Cement Limited Site Khushab, Pakistan.

Client Reference: PCL/PL04/TUV/01

Dated: 22-09-2025

SOM Lab Ref: CED/SOM/1866 (Page-5/5)

Dated: 01-10-2025

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	2.544	20	20.31	314	324	160.00	216.00	509	494	688	667	32.5	200	16.3	H# 175
2	2.507	20	20.16	314	319	156.00	213.50	497	489	680	669	35.0	200	17.5	H# 175
3	2.454	20	19.95	314	313	164.00	215.20	522	525	685	689	32.5	200	16.3	H# 174
4	2.445	20	19.91	314	311	164.00	214.20	522	527	682	688	30.0	200	15.0	H# 174
5	2.518	20	20.21	314	321	172.50	220.20	549	538	701	687	37.5	200	18.8	H# 176
6	2.456	20	19.96	314	313	156.50	208.00	498	501	662	665	32.5	200	16.3	H# 176
7	2.537	20	20.28	314	323	157.70	210.00	502	489	668	650	30.0	200	15.0	H# 181
8	2.478	20	20.05	314	316	159.20	206.20	507	505	656	654	35.0	200	17.5	H# 181
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Twelve Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Kashif Shahzad
 Manager-Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/20

Dated: 26-09-2025

SOM Lab Ref: CED/SOM/1865 (Page-1/3)

Dated: 01-10-2025

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	0.871	12	11.89	113	111	57.00	74.70	504	514	660	673	27.5	200	13.8	H # 664
2	0.874	12	11.90	113	111	58.20	75.70	515	523	669	681	25.0	200	12.5	H # 664
3	0.856	12	11.78	113	109	60.50	76.50	535	555	676	702	25.0	200	12.5	H # 665
4	0.856	12	11.79	113	109	60.50	77.70	535	555	687	713	27.5	200	13.8	H # 665
5	0.874	12	11.91	113	111	59.00	76.70	522	530	678	689	25.0	200	12.5	H # 666
6	0.872	12	11.89	113	111	54.50	74.70	482	491	660	673	27.5	200	13.8	H # 666
7	0.870	12	11.88	113	111	56.50	77.00	500	510	681	695	25.0	200	12.5	H # 667
8	0.870	12	11.88	113	111	55.20	73.70	488	498	652	665	25.0	200	12.5	H # 667
9	0.871	12	11.89	113	111	56.50	74.00	500	510	654	667	27.5	200	13.8	H # 668
10	0.874	12	11.90	113	111	55.00	73.00	486	495	645	657	25.0	200	12.5	H # 668

BEND TEST:

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

Kashif Shahzad
 Manager-Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/20
 SOM Lab Ref: CED/SOM/1865 (Page-2/3)

Dated: 26-09-2025

Dated: 01-10-2025

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	0.866	12	11.84	113	110	63.20	80.50	559	575	712	732	30.0	200	15.0	H# 472
2	0.918	12	12.20	113	117	60.50	80.50	535	518	712	689	25.0	200	12.5	H# 472
3	0.900	12	12.08	113	115	62.50	81.20	553	546	718	709	25.0	200	12.5	H# 658
4	0.891	12	12.02	113	114	49.20	68.20	435	434	603	601	35.0	200	17.5	H# 658
5	0.852	12	11.75	113	109	54.00	72.20	477	498	638	666	27.5	200	13.8	H# 659
6	0.881	12	11.96	113	112	54.50	75.50	482	486	668	673	25.0	200	12.5	H# 659
7	0.860	12	11.81	113	110	52.20	73.70	462	477	652	673	30.0	200	15.0	H# 663
8	0.856	12	11.78	113	109	56.00	74.00	495	514	654	679	30.0	200	15.0	H# 663
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Kashif Shahzad
 Manager-Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/20

Dated: 26-09-2025

SOM Lab Ref: CED/SOM/1865 (Page-3/3)

Dated: 01-10-2025

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	4.798	28	27.89	616	611	301.50	434.20	490	494	705	711	32.5	200	16.3	H# 652
2	4.772	28	27.82	616	608	299.70	431.70	487	494	701	711	27.5	200	13.8	H# 652
3	4.708	28	27.63	616	600	288.00	417.50	468	481	678	697	32.5	200	16.3	H# 653
4	4.688	28	27.57	616	597	285.30	417.20	463	478	678	699	30.0	200	15.0	H# 653
5	4.852	28	28.05	616	618	295.00	405.70	479	478	659	657	32.5	200	16.3	H# 654
6	4.840	28	28.02	616	617	298.00	410.00	484	484	666	665	30.0	200	15.0	H# 654
7	4.834	28	28.00	616	616	307.00	410.00	499	499	666	666	35.0	200	17.5	H# 655
8	4.787	28	27.87	616	610	288.70	394.70	469	474	641	648	35.0	200	17.5	H# 655
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Minhaj Khizar,
Sr. Civil Engineer Style Textile.(Const Of Bridge P3 to TOH)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
SOM Lab Ref: CED/SOM/1861(Page-1b/1)

Dated: 17-09-2025

Dated: 01-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	1.579	16	16.00	201	201	95.20	127.20	473	474	633	633	35.0	200	17.5	
2	1.581	16	16.01	201	201	95.00	127.50	472	472	634	634	35.0	200	17.5	
3	1.589	16	16.05	201	202	95.50	127.50	475	472	634	631	35.0	200	17.5	
4	1.582	16	16.02	201	202	96.00	128.70	477	477	640	639	37.5	100	37.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

16mm	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

Minhaj Khizar,
Sr. Civil Engineer Style Textile.(Const Of Bridge P3 to TOH)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
SOM Lab Ref: CED/SOM/1861(Page-1a/1)

Dated: 17-09-2025

Dated: 01-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.969	25	25.38	491	506	253.20	328.20	516	501	669	649	37.5	200	18.8	
2	3.960	25	25.34	491	504	251.20	325.20	512	498	662	645	37.5	200	18.8	
3	3.979	25	25.40	491	507	255.00	329.50	519	504	671	651	35.0	200	17.5	
4	3.964	25	25.36	491	505	253.70	327.00	517	503	666	648	42.5	100	42.5	
5	2.414	20	19.79	314	307	139.70	197.00	445	455	627	641	40.0	200	20.0	
6	2.407	20	19.76	314	307	140.70	197.50	448	459	629	645	35.0	200	17.5	
7	2.890	20	21.65	314	368	140.70	196.70	448	383	626	535	32.5	200	16.3	
8	2.893	20	21.66	314	369	140.00	196.50	446	380	625	534	37.5	200	18.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Test Performed By:

Dr. /Engr. Nauman Khurram

Procurement Manager Q Links Construction Lahore.(Const Of Safari Home Bahria Orchard Lhr)

Client Reference: Qlinks Old Steel 009BCC-1

SOM Lab

Ref: 1862 (Page-1/1)

Dated: 30-09-2025

Dated: 02-10-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Gold Souq)

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	2.550	8	0.977	0.79	0.749	22.09	31.88	61670	65050	88990	93860	1.20	8.0	15.0	
2	1.466	6	0.741	0.44	0.431	14.37	19.54	72050	73550	97950	100000	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

Mohsin Abbas

Test Performed By: Dr. /Engr. Nauman Khurram

QAQC Manager Zameen Development.(Const. Of ARX Project by Zameen Development,Lahore)

Client Reference: ZD/QAQC/MK-DC2330/ARX/11

SOM Lab

Ref: 1863 (Page-1/1)

Dated: 01-10-2025

Dated: 01-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Def. Bar (Heat # H-280)

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	0.668	4	0.500	0.20	0.196	5.91	8.99	65200	66530	99150	101170	1.30	8.0	16.3	
2	0.675	4	0.502	0.20	0.198	6.14	9.65	67670	68360	106450	107530	1.20	8.0	15.0	
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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

Hassan Associates
Lahore.(Nishat Chunian Ltd. Bhai Pheru Zone-II)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: H.S/N.C.L/Z-II/10/2025

SOM Lab

Ref: 1864 (Page-1/1)

Dated: 01-10-2025

Dated: 01-10-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (China)

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	0.982	5	0.607	0.31	0.289	8.63	11.85	61430	65890	84270	90400	1.20	8.0	15.0	
2	0.978	5	0.604	0.31	0.287	8.69	11.88	61790	66740	84490	91260	1.40	8.0	17.5	
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BEND TEST:

# 5	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

Superintendent, Central Jail

Test Performed By: Dr. /Engr. Nauman Khurram

Fsd.(Addiational Multi Storied Barracks in All Jail of Punjab to Accommodate 10000 Prisoner One at Central Jial)

Client Reference: 24711-13

SOM Lab

Ref: 1867 (Page-1/1)

Dated: 30-09-2025

Dated: 01-10-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Def Bar (Location-Stair Multi Storied Barrack No.09)

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	1.501	6	0.749	0.44	0.441	13.81	19.03	69240	69080	95400	95180	1.20	8.0	15.0	
2	1.510	6	0.752	0.44	0.444	13.86	19.22	69490	68870	96320	95450	1.30	8.0	16.3	
3	0.583	4	0.467	0.20	0.171	5.37	7.26	59240	69290	80040	93610	1.20	8.0	15.0	
4	0.585	4	0.468	0.20	0.172	5.37	7.24	59240	68890	79810	92800	1.40	8.0	17.5	
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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

CEO
Landmark Developers Lahore.(Project: Grand-X)

Test Performed By: Dr. /Engr. Bilal Khokhar

Client Reference: Nil

SOM Lab

Ref: 1868 (Page-1/1)

Dated: 02-10-2025

Dated: 01-10-2025

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	1.493	6	0.748	0.44	0.439	13.66	18.83	68470	68630	94370	94590	1.30	8.0	16.3	
2	1.488	6	0.746	0.44	0.437	13.99	19.27	70100	70590	96570	97230	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	5.93	9.35	65420	67100	103080	105720	1.20	8.0	15.0	
4	0.665	4	0.498	0.20	0.195	6.09	9.50	67110	68830	104770	107450	1.30	8.0	16.3	
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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