

Engr. Farrukh Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy. General Manager Works.Habib Rafiq Engineering (Pvt.) Ltd.(101 Tower,Lahore)

Client Reference: HRLE/SKG/2025/Hunza/12-44.97/221

SOM Lab Ref:

1764 (P-1/1)

Dated: 15-09-2025

Dated:

15-09-2025

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

Deformed Bar (Hunza Steel)

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	0.877	12	11.94	113	112	50.20	70.00	444	449	619	625	35.0	200	17.5	
2	0.880	12	11.95	113	112	51.50	70.20	456	460	621	627	32.5	200	16.3	
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BEND TEST:

12mm	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

Kashif Shahzad
 Manager-Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/018

Dated: 15-09-2025

SOM Lab Ref: CED/SOM/1768 (P-1/1)

Dated: 15-09-2025

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	5.236	29	29.14	661	667	395.70	452.70	599	594	685	679	30.0	200	15.0	H # 06
2	5.253	29	29.19	661	669	399.00	455.50	604	597	690	681	27.5	200	13.8	H # 06
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BEND TEST:

29mm	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

Urwa Zaheer

Test Performed By:

Dr. /Engr.

Nauman Khurram

HS Ideal Tower Bahria Town Lahore.(Raft foundation of Sump Area, lift Area)

Client Reference: HSIT/05

SOM Lab

Ref:

1701 (Page-1/1)

Dated: 27-08-2025

Dated:

28-08-2025

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	1.489	6	0.747	0.44	0.438	13.00	17.96	65150	65450	90030	90440	1.60	8.0	20.0	
2	1.474	6	0.743	0.44	0.433	12.69	17.91	63620	64640	89780	91230	1.40	8.0	17.5	
3	0.647	4	0.492	0.20	0.190	5.98	8.38	65990	69460	92400	97260	1.20	8.0	15.0	
4	0.645	4	0.492	0.20	0.190	6.03	8.46	66550	70050	93300	98210	1.00	8.0	12.5	
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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

Muhammad Farooq Awan
PM AAA Partnership Pvt. Ltd.(JDW Tower Lahore)

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

Client Reference: AAA/SO/MFA1/119/2025

SOM Lab

Ref: 1765 (Page-1/1)

Dated: 15-09-2025

Dated: 15-09-2025

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	2.592	8	0.985	0.79	0.762	23.52	32.77	65650	68070	91490	94860	1.50	8.0	18.8	
2	2.606	8	0.988	0.79	0.766	23.19	32.49	64740	66770	90700	93540	1.50	8.0	18.8	
3	1.494	6	0.748	0.44	0.439	13.91	18.88	69750	69910	94630	94840	1.40	8.0	17.5	
4	1.469	6	0.742	0.44	0.432	13.68	18.65	68570	69840	93510	95240	1.40	8.0	17.5	
5	0.665	4	0.498	0.20	0.195	6.09	8.77	67110	68830	96670	99150	1.20	8.0	15.0	
6	0.669	4	0.501	0.20	0.197	6.12	8.84	67450	68470	97460	98940	1.30	8.0	16.3	
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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

Sohaib Awais, RE
 NESPAK Lhr.(Infra Development at Chahar Bagh Phase-II)

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

Client Reference: 4841/13/SA/05/50

SOM Lab

Ref: 1769 (Page-1/2)

Dated: 09-09-2025

Dated: 15-09-2025

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal Steel)

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	2.620	8	0.990	0.79	0.770	25.66	32.62	71630	73490	91070	93430	1.10	8.0	13.8	B-8531
2	1.475	6	0.743	0.44	0.433	13.88	18.22	69590	70720	91310	92780	1.30	8.0	16.3	D-3124
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BEND TEST:

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

Sohaib Awais, RE
 NESPAK Lhr.(Infra Development at Chahar Bagh Phase-II)

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

Client Reference: 4841/13/SA/05/47

SOM Lab

Ref: 1769 (Page-2/2)

Dated: 06-08-2025

Dated: 15-09-2025

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal Steel)

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	0.661	4	0.497	0.20	0.194	6.54	8.36	72170	74400	92180	95030	1.40	8.0	17.5	E-1242
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BEND TEST:

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

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

Engr. Shehroz Iqbal

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

HOD Quality Deptt Amir Steel Re-Rolling Mills Gujranwala. (Mehboob Group of Industries)

Client Reference: Nil

SOM Lab

Ref: 1766 (P-1/1)

Dated: 15-09-2025

Dated: 15-09-2025

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	2.660	8	0.998	0.79	0.782	25.50	37.16	71200	71930	103730	104790	1.40	8.0	17.5	
2	1.499	6	0.749	0.44	0.441	14.80	19.44	74190	74020	97440	97220	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	6.27	8.33	69130	72010	91840	95670	1.10	8.0	13.8	
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BEND TEST:

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

Ahmad Ishaq
Director Jaguar (Pvt.) Ltd. Faisalabad

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

Client Reference: Nil

SOM Lab 1767 (Page-1/1)

Dated: 15-09-2025

Dated: 15-09-2025

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	0.578	4	0.465	0.20	0.170	4.84	6.90	53400	62820	76100	89530	1.40	8.0	17.5	
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BEND TEST:

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

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