

Site Engineer Husnain Builders Lahore.(Lahore Grammar School Faisal Town Lahore)

Irfan Ul Hassan

Site Engineer Husnain Builders Lahore.(Lahore Grammar School Faisal Town Lahore)

Dated: 22-05-2025

Ref: 1269 (Page-1/1)

Dated: 22-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Mughal Iron & Steel Industries Limited Lahore.(CDS Navy Ormara)

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

Client Reference: MS/MKT/Lett/UET/002
Dated: 26-05-2025

SOM Lab
Ref: 1285 (Page-1/2)
Dated: 27-05-2025

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

Test Specification: ASTM-A-615
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	2.647	8	0.995	0.79	0.778	23.98	34.83	66940	67970	97240	98740	1.30	8.0	16.3	
2	2.648	8	0.995	0.79	0.778	23.80	34.83	66450	67480	97240	98740	1.50	8.0	18.8	
3	1.467	6	0.741	0.44	0.431	13.68	19.06	68570	70000	95550	97540	1.20	8.0	15.0	
4	1.468	6	0.741	0.44	0.431	13.88	19.13	69590	71050	95910	97910	1.30	8.0	16.3	
5	1.033	5	0.622	0.31	0.304	10.21	13.35	72670	74100	95000	96880	1.40	8.0	17.5	
6	1.030	5	0.621	0.31	0.303	10.21	13.37	72670	74350	95150	97350	1.20	8.0	15.0	
7	0.654	4	0.494	0.20	0.192	6.29	8.61	69360	72250	94990	98940	1.00	8.0	12.5	
8	0.654	4	0.494	0.20	0.192	6.27	8.53	69130	72010	94090	98010	1.30	8.0	16.3	
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BEND TEST:

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

Mughal Iron & Steel Industries Limited Lahore.(CDS Navy Ormara)

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

Client Reference: MS/MKT/Lett/UET/002

Dated: 26-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1285 (Page-2/2)

Dated: 27-05-2025

Test Specification: ASTM-A-615

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	1.482	6	0.745	0.44	0.436	10.88	16.23	54520	55020	81340	82090	1.40	8.0	17.5	
2	1.478	6	0.743	0.44	0.434	10.72	16.13	53750	54500	80830	81950	1.40	8.0	17.5	
3	1.033	5	0.622	0.31	0.304	7.77	11.47	55260	56360	81590	83200	1.60	8.0	20.0	
4	1.036	5	0.622	0.31	0.304	7.77	11.54	55260	56360	82100	83720	1.70	8.0	21.3	
5	0.665	4	0.498	0.20	0.195	4.81	6.85	53060	54420	75540	77480	1.70	8.0	21.3	
6	0.672	4	0.501	0.20	0.197	4.86	6.88	53620	54440	75880	77030	1.80	8.0	22.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Mughal Iron & Steel Industries Limited Lahore.(CDS Navy Karachi)

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

Client Reference: MS/MKT/Lett/UET/001

SOM Lab Ref: 1286 (Page-1/2)

Dated: 26-05-2025

Dated: 27-05-2025

Test: Tension Test & Bend 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	2.652	8	0.996	0.79	0.779	23.96	34.71	66880	67820	96900	98270	1.30	8.0	16.3	
2	2.657	8	0.997	0.79	0.781	23.85	34.63	66590	67360	96670	97790	1.50	8.0	18.8	
3	1.469	6	0.742	0.44	0.432	13.86	19.11	69490	70780	95800	97580	1.40	8.0	17.5	
4	1.467	6	0.741	0.44	0.431	13.83	19.01	69340	70790	95290	97280	1.40	8.0	17.5	
5	1.030	5	0.621	0.31	0.303	10.04	13.27	71440	73090	94420	96610	1.40	8.0	17.5	
6	1.029	5	0.620	0.31	0.302	10.04	13.20	71440	73330	93920	96400	1.50	8.0	18.8	
7	0.655	4	0.494	0.20	0.192	6.22	8.51	68570	71430	93860	97770	1.40	8.0	17.5	
8	0.655	4	0.494	0.20	0.192	6.32	8.51	69700	72600	93860	97770	1.50	8.0	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Mughal Iron & Steel Industries Limited Lahore.(CDS Navy Karachi)

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

Client Reference: MS/MKT/Lett/UET/001

SOM Lab Ref: 1286 (Page-2/2)

Dated: 26-05-2025

Dated: 27-05-2025

Test: Tension Test & Bend 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	1.478	6	0.743	0.44	0.434	10.86	16.16	54420	55170	80990	82110	1.40	8.0	17.5	
2	1.478	6	0.743	0.44	0.434	10.77	16.18	54010	54760	81090	82210	1.70	8.0	21.3	
3	1.038	5	0.623	0.31	0.305	7.75	11.54	55120	56020	82100	83440	1.60	8.0	20.0	
4	1.041	5	0.624	0.31	0.306	7.65	11.59	54390	55110	82460	83540	1.50	8.0	18.8	
5	0.665	4	0.498	0.20	0.195	4.66	6.70	51370	52690	73850	75750	1.60	8.0	20.0	
6	0.670	4	0.501	0.20	0.197	4.89	7.05	53960	54780	77790	78970	1.70	8.0	21.3	
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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

GE (Air) Samungli.(Upgradation Of Medical SQN into 25Bedded Hospital Facility at PAF Samungali)

GE (Air) Samungli.(Upgradation Of Medical SQN into 25Bedded Hospital Facility at PAF Samungali)

Ref: 1287 (Page-1/1)

Dated: 27-05-2025

Gauge Length: 8 inch **Sample Type:** Deformed Bar

Sample Type: Deformed Bar

[illegible]

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

Dr. /Engr. Asad Ali Gillani

Ref: 1288 (Page-1/1)

Dated: 27-05-2025

ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Assistant Director-II

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

Building Research Station C&W Deptt Govt Of Punjab.(Naveena Tower,35-C-III,Gulberg-III,Lhr)

Client Reference: 154-R/1300

SOM Lab

Ref: 1290 (Page-1/1)

Dated: 27-05-2025

Dated: 27-05-2025

Test: Tension Test & Bend Test

Test Specification:	ASTM-A-615
Sample Type:	Deformed Bar (Naveena 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	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.604	8	0.987	0.79	0.765	24.82	32.26	69300	71560	90070	93010	1.30	8.0	16.3	
2	2.607	8	0.988	0.79	0.766	24.72	32.16	69010	71170	89790	92600	1.30	8.0	16.3	
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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		

PHE Sub Div Chakwal.(Const Of Water Supply Scheme Mohri Dakhli Ghazial Tehsil & Distt Chakwal)

PHE Sub Div Chakwal.(Const Of Water Supply Scheme Mohri Dakhli Ghazial Tehsil & Distt Chakwal)

SOM Lab

Ref: 1291 (Page-1/1)

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Ravi Construction Company
Lahore.(Project: Repetify 2 QABP, Sheikhpura)(Novatex Limited)

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

Client Reference: Nil
Dated: 26-05-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1292 (Page-1/1)
Dated: 27-05-2025
Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Al Moiz 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	2.687	8	1.003	0.79	0.790	24.43	33.64	68220	68220	93910	93910	1.60	8.0	20.0	
2	2.691	8	1.004	0.79	0.791	24.74	33.74	69070	68980	94200	94080	1.60	8.0	20.0	
3	0.585	4	0.468	0.20	0.172	5.05	7.46	55650	64700	82290	95680	1.40	8.0	17.5	
4	0.589	4	0.469	0.20	0.173	5.15	7.49	56770	65630	82620	95520	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
# 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

Bhalwal Drainage Sub Div Bhalwal.(Rehb/Construction Office Residential Building Complex)

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

Client Reference: 184

Dated: 22-05-2025

SOM Lab

Ref: 1293 (Page-1/1)

Dated: 27-05-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (5 Star)

[illegible]

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

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

SOM Lab
Ref: 1294 (Page-1/1)
Dated: 27-05-2025

Test Specification:	ASTM-A-615
Sample Type:	Deformed Bar (FF Steel)

[illegible]

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