

Dr. /Engr. Asad Ali Gillani

698 (P-1/2)

03-02-2025

ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Lhr.(Project E.CO Site ID:NRO25-CA-400, NRO25-CB-61,NRO25-CB-21, NRO25-CA-41,CA-355)

Lhr.(Project E.CO Site ID:NRO25-CA-400, NRO25-CB-61,NRO25-CB-21, NRO25-CA-41,CA-355)

SOM Lab Ref: 698 (P-2/2)

Dated: 03-02-2025

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.282	20	19.25	314	291	168.00	216.00	535	578	688	743	27.5	200	13.8	
2	0.980	12	12.61	113	125	58.00	74.50	513	465	659	597	25.0	200	12.5	
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<u>BEND TEST:</u>															
--		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															

Umar Majeed
Manager Pak Forging Company
Lahore.

Test Performed by: Asad Ali Gillani

Client Reference No.: PAK-CT01
02-2025

Dated: 03-

SOM Lab Ref: CED/SOM/705(Page 1/1)
2025

Dated: 03-02-

Test Type: Load Test

Sample Type: Chain

Load Test Results

Sr No.	Sample Type	Ultimate /Breaking Load	Remarks
1	Chain	348.7 kN	Chain link breaks at this load

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

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference:	ECSP/MCML/59	Dated:	31-01-2025
SOM Lab Ref:	CED/SOM/694 (Page-1/1)	Dated:	03-02-2025
Test:	Tension Test & Bend Test	Test Specification:	ASTM-F 1554
Sample Type:	J-Bolt (25mm)	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	4.067	25	25.68	491	518	205.00	314.50	418	396	641	608	45.0	200	22.5	
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BEND TEST:

25mm	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

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference:	ECSP/MCML/60	Dated:	01-02-2025
SOM Lab Ref:	CED/SOM/700 (Page-1/1)	Dated:	01-02-2025
Test:	Tension Test & Bend Test	Test Specification:	ASTM-F 1554
Sample Type:	J-Bolt (25mm)	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	4.055	25	25.66	491	517	215.70	337.50	439	418	688	653	32.5	200	16.3	
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BEND TEST:

25mm	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

Dy Dir Infra. DHA Gujranwala.(Const Of Box Culvert at Sangowali Drain)

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 692 (Page-1/1)

Dated: 03-02-2025

Test Specification:

ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

M.Azhar Akhtar, RE **Test Performed By:** Dr. /Engr. Nauman Khurram
NESPAC JV Turkpak.(Construction of New GOR Near DHA Phase-IX,Lahore)

Client Reference: <u>4769/13/MAA/24/99</u>		SOM Lab	
Dated: 29-01-2025		Ref:	693 (Page-1/1)
		Dated:	03-02-2025
Test: Tension Test & Bend Test	Test Specification:	ASTM-A-615	
Gauge Length: 8 inch	Sample Type:	Deformed Bar (Ittefaq 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	1.522	6	0.754	0.44	0.447	20.90	23.04	104750	103110	115480	113670	0.60	8.0	7.5	
2	1.519	6	0.754	0.44	0.446	17.69	21.46	88650	87460	107560	106110	0.90	8.0	11.3	
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<u>BEND TEST:</u>															
# 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															

PM HMB Developers Pvt Ltd. Lahore (Commercial Tower, FTC Lahore)

Dr. /Engr. Waseem Abbass

Dated: 03-02-2025

Ref: 695(Page-1/1)

Dated: 03-02-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Blity # 1303)

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	2.707	8	1.007	0.79	0.796	23.87	32.03	66650	66150	89420	88740	1.50	8.0	18.8	
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Witnessed By:				Aftab Sohail (HMBD)											
<u>BEND TEST:</u>															
# 8	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															

PM HMB Developers Pvt Ltd. Lahore (Commercial Tower, FTC Lahore)

Dr. /Engr. Waseem Abbass

SOM Lab

Ref: 697(Page-1/1)

Dated: 03-02-2025

Test Specification:

ASTM-A-615

Sample Type: Deformed Bar (Blity # 1417)

[illegible]

Aftab Sohail (HMBD)

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

Site Engineer Hussain Kareemian.(Grammar School Bahria Town Lahore)

Dr. /Engr. Asad Ali Gillani

Dated: Nil

Ref: 699 (Page-1/1)

Dated: 03-02-2025

Test Specification:

ASTM-A-615

Sample Type: Deformed Bar

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# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
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Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

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

Dr. /Engr. Nauman Khurram

SOM Lab

700 (Page-1/1)

03-02-2025

ASTM-A-615

J-Bolt (Dia 25mm)

[illegible]

BEND TEST:

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

Classic Homes Lahore.(Classic Homes Near G Block State Life Housing Society in Lahore)

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

Dated: 03-02-2025

Test: Tension Test

Gauge Length: 8 inch

Ref: 701 (Page-1/1)

Dated: 03-02-2025

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	1.550	6	0.762	0.44	0.456	14.80	20.15	74190	71590	101020	97470	1.40	8.0	17.5	
2	1.532	6	0.757	0.44	0.450	12.95	18.40	64890	63450	92230	90180	1.50	8.0	18.8	
3	0.667	4	0.500	0.20	0.196	6.65	8.74	73290	74790	96340	98300	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	6.68	8.72	73630	75130	96110	98070	1.10	8.0	13.8	
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<u>BEND TEST:</u>															
--	No Bend test performed										Note:- Only Four Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

Dr. /Engr. Asad Ali Gillani

SOM Lab

702 (Page-1/1)

03-02-2025

ASTM-A-615

Sample Type: Deformed Bar (AF Seel)

[illegible]

BEND TEST:

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

GE(Army)-II Slk.(Const Of 2 x Blocks of 8 x Sldrs Flats G+3 HQ 30 IIBG at Lahore)

Dr. /Engr. Nauman Khurram

SOM Lab
Ref: 703 (Page-1/1)

Dated: 03-02-2025

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

[illegible]

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

Project Engineer BUILDIKO Lahore.(Construction of City Tower,Lahore)

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 704(Page-1/1)

Test: Tension Test & Bend Test

ASTM-A-615

Gauge Length: 8 inch

Deformed Bar (SJ 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	2.676	8	1.000	0.79	0.786	24.99	34.27	69780	70140	95680	96160	1.40	8.0	17.5	
2	1.464	6	0.740	0.44	0.430	15.49	18.93	77670	79470	94880	97090	1.30	8.0	16.3	
3	0.671	4	0.501	0.20	0.197	7.49	9.14	82620	83880	100830	102370	1.10	8.0	13.8	
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<u>BEND TEST:</u>															
# 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															