

Test Performed by: Dr. S. Asad Ali Gillani

Engr Barkat Leghari,
Structural and Design Engr PMBMC
Punjab Model Bazaars Management Company Lahore
(Construction of Model Bazaar Chiniot)

Client Reference No.: PMBMC/SE/MBB/02

Dated: 20-03-2025

SOM Lab Ref: CED/SOM/994(Page-1/2)

Dated: 24-03-2025

Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machines
(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness avg
1	GI Purlins (2mm)	HR – 63.16– B

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

Test Performed by: Dr. S. Asad Ali Gillani

Engr Barkat Leghari,
Structural and Design Engr PMBMC
Punjab Model Bazaars Management Company Lahore
(Construction of Model Bazaar Chiniot)

Client Reference No.: PMBMC/SE/MBB/02

Dated: 20-03-2025

SOM Lab Ref: CED/SOM/994(Page-2/2)

Dated: 24-03-2025

Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machines
(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness avg
1	Steel Sheet 8mm (Column & Rafters)	HR – 77.16– B
2	Steel Sheet 6mm (Column & Rafters)	HR – 77.16– B

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

Test Performed By: Dr. Irfan UI Hassan

Karar Abbas
Sr. Assistant Manager
Deptt of Procurement Pioneer Cement

Client Reference: PCL/PL04/UET/DSB/1144

Dated: 24-03-2025

SOM Lab Ref: CED/SOM/1000(Page-1/1)

Dated: 24-03-2025

Test: Bend Test

Specification: ASTM-A -615

Sample Type: Deformed Steel Bar (20mm)

<u>BEND TEST:</u>			
25mm	AB604	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Seven Samples Received and Tested
25mm	AB607	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	AB606	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	AB605	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	AB603	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	AB600	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	AB609	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

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

Dated: 18-03-2025

Dated: 25-03-2025

Test Specification: ASTM-F 1554

Gauge Length: 200 mm

[illegible]

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

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

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

Dated: 18-03-2025

Dated: 25-03-2025

Test Specification: ASTM-F 1554

Gauge Length: 200 mm

[illegible]

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Dr. /Engr. Asad Ali Gillani

Ref: 989 (Page-1/3)

Dated: 24-03-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Dr. /Engr. Asad Ali Gillani

Ref: 989 (Page-2/3)

Dated: 24-03-2025

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	1.074	5	0.634	0.31	0.316	10.83	14.14	77020	75560	100590	98680	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BEND TEST:															
# 5		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															

Dr. /Engr. Asad Ali Gillani

989 (Page-3/3)

24-03-2025

ASTM-A-615

Sample Type: Deformed Bar

[illegible]

BEND TEST:

# 6	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

Dr. /Engr. Asad Ali Gillani

Ref: 989 (Page-3/3)

Dated: 24-03-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

BEND TEST:

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

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

Executive Engineer GE(Army)-I Gwa.(Const of 8 x Slders Flats Block No.1 & 2, HQ 1 ALRG at Gwa)

Dr. /Engr. Asad Ali Gillani

Dated: 19-03-2025

SOM Lab

Ref: 992 (Page-1/1)

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Aziz Steel)

[illegible]

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

Executive Engineer GE(Army)-I Gwa.(Const of 8 x E Type Flats For HQ 1 ALRG at Gwa)

Dr. /Engr. Asad Ali Gillani

Dated: 18-03-2025

Ref: 993 (Page-1/1)

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Aziz Steel)

[illegible]

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

QAQC Manager Zameen Development.(Const. Of Zameen Neo at Plot #13,Gulberg III Lhr)

Dr. /Engr. Asad Ali Gillani

Client Reference: ZD/QAQC/NEO/SS-2503-000123/06

Dated: 24-03-2025

SOM Lab

Ref: 995 (Page-1/1)

Dated: 24-03-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (H # SS-94)

[illegible]

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

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

Dr. /Engr. Asad Ali Gillani

Dated: 24-03-2025

Dated: 24-03-2025

Test Specification: ASTM-A-615

Sample Type:	Def. Bar
--------------	----------

[illegible]

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

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

Dr. /Engr. Asad Ali Gillani

Dated: 24-03-2025

Dated: 24-03-2025

Test Specification: ASTM-A-615

Sample Type: Def. Bar

[illegible]

BEND TEST:

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

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

Dr. /Engr. Irfan Ul Hassan

SOM Lab
Ref: 998 (Page-1/1)

Dated: 24-03-2025

Test Specification: ASTM-A-615

Def. Bar

[illegible]

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 8	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. Irfan Ul Hassan

1001 (Page-1/2)

24-03-2025

ASTM-A-615

Sample Type: Def. 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

Dr. /Engr. Irfan Ul Hassan

1001 (Page-2/2)

24-03-2025

ASTM-A-615

Sample Type: Def. Bar

[illegible]

BEND TEST:

# 8	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

Usman Habib, PE
New Diamond Glass House Lahore Cantt.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

Dated: Nil

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1002(Page-1/1)

Dated: 24-03-2025

Test Specification:

Sample Type:

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	1.477	6	0.743	0.44	0.434	13.43	18.91	67290	68220	94780	96090	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	6.44	8.58	71040	72870	94650	97080	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 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															

Dr. /Engr. Asad Ali Gillani

1003 (Page-1/2)

24-03-2025

ASTM-A-615

Sample Type: Deformed Bar (Karachi Steel)

[illegible]

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

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

Client Reference: NZEB/ACE/LAB/2025/34

Dated: 24-03-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1003 (Page-2/2)

Dated: 24-03-2025

ASTM-A-615

Deformed Bar (Karachi 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	2.624	8	0.991	0.79	0.771	26.71	36.67	74560	76400	102360	104890	1.20	8.0	15.0	
2	2.610	8	0.988	0.79	0.767	25.84	35.73	72140	74310	99750	102740	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>BEND TEST:</u>															
# 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															

MP Project Ittefaq Building Solution Pvt Ltd.(Haider Saeed Commercial,Lahore)

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 1005 (Page-1/1)

24-03-2025

Test Specification:

Deformed Bar (Aziz Steel)

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	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.633	8	0.993	0.79	0.774	22.22	36.85	62040	63320	102880	105000	1.20	8.0	15.0	
2	2.650	8	0.996	0.79	0.779	22.09	36.56	61670	62540	102080	103520	1.40	8.0	17.5	
3	1.471	6	0.742	0.44	0.432	13.02	20.97	65250	66460	105100	107050	1.00	8.0	12.5	
4	1.482	6	0.745	0.44	0.436	13.17	21.15	66020	66620	106020	107000	1.20	8.0	15.0	
5	0.666	4	0.500	0.20	0.196	6.03	8.94	66550	67910	98580	100600	1.30	8.0	16.3	
6	0.666	4	0.500	0.20	0.196	6.03	8.94	66550	67910	98580	100600	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
--	No Bend test performed										Note:- Only Six Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

SDO B&R-I GE(Army)-I Gwa.(Const of 8 x E Type Flats For HQ 1 ALRG at Gwa)

Dr. /Engr. Asad Ali Gillani

Dated: 18-03-2025

Dated: 24-03-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Aziz Steel)

--	--

BEND TEST:

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