

Test Performed by: Dr. S. Asad Ali Gillani

AS Steel
Lahore

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/1252 (Page-1/1)
Test Type: Hardness Test
Sample Type: Plain Bar (1")

Dated: 20-05-2025
Dated: 20-05-2025

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machines
(Minor Load: 10 Kgf Major Load: 140.0 kgf Scale: C)

Hardness Test Results

Sample No.	Sample Type	Hardness avg
1	Plain Bar (1")	HR – 24.16– C

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

Test Performed by: S. Asad Ali Gillani

Mirza Ali Usman Baig

Snr PM IDAP Lahore.

(Construction of Admin Building Tower-A Old P&D Building, Lahore)

Client Reference No.: SPM(Old P&D)/IDAP/2025/22378
2025

Dated: 17-05-

SOM Lab Ref: CED/SOM/1253 (Page 2/2)
2025

Dated: 20-05-

Test Type: Dimensional Property of Deformed Steel Bar (Spacing, Height, Thickness of Rib)

Sample Type: Deformed Steel Bar

Dimension/Size Test Results

S No.	Sample Type	Spacing between two Ribs	Height of Rib	Rib Thickness
1	Deformed Steel Bar (#8)	17.3 mm	1.6 mm	4.7
2	Deformed Steel Bar (#6)	12.8 mm	1.1 mm	4.2
3	Deformed Steel Bar (#4)	7.3 mm	0.75 mm	3.2
4	Deformed Steel Bar (#3)	5.1mm	0.40 mm	1.6

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

Director Projects,Sheikhoo Sugar Mills (Steel Div) Anwar Abad Kot Addu,Muzaffargarh.

Asad Ali Gillani

Dated: 18-05-2025

Ref: 1240 (Page-1/1)

Dated: 20-05-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	2.644	8	0.995	0.79	0.777	25.64	34.27	71570	72770	95680	97280	1.20	8.0	15.0	
2	1.483	6	0.745	0.44	0.436	14.32	19.08	71790	72450	95650	96530	1.40	8.0	17.5	
3	0.662	4	0.498	0.20	0.195	6.32	8.69	69700	71480	95770	98230	1.20	8.0	15.0	
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<u>BEND TEST:</u>															
--	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															

Tanveer Ahmad
Manager Civil Shangrila Foods (Pvt) Ltd.Karachi

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

Dated: 19-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1241 (Page-1/1)

Dated: 20-05-2025

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	1.448	6	0.736	0.44	0.426	14.32	18.65	71790	74150	93510	96580	1.00	8.0	12.5	
2	1.449	6	0.736	0.44	0.426	14.42	18.76	72300	74680	94020	97110	0.90	8.0	11.3	
3	0.653	4	0.494	0.20	0.192	5.81	8.12	64080	66750	89590	93320	1.30	8.0	16.3	
4	0.651	4	0.493	0.20	0.191	5.76	8.07	63510	66510	89030	93220	1.00	8.0	12.5	
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<u>BEND TEST:</u>															
# 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 Ateeque
LandView Property Lahore

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

Dated: 20-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1243 (Page-1/1)

Dated: 20-05-2025

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	0.671	4	0.501	0.20	0.197	6.03	8.41	66550	67560	92740	94150	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.07	8.43	66890	68250	92960	94860	1.00	8.0	12.5	
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<u>BEND TEST:</u>															
# 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															

RE GIM Developers.(Dev of a Tower 51 New Garden Town Lahore Babar Block)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1244(Page-1/1)

20-05-2025

Test Specification:

Deformed Bar (5 Star)

Sample Type:

[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

BSD No.12 Lhr.(Strengthening of Punjab Tianjin University of Technology Lahore)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1245(Page-1/2)

20-05-2025

Test Specification:

Deformed Bar

Sample Type:

[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

BSD No.12 Lhr.(Strengthening of Punjab Tianjin University of Technology Lahore)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1245(Page-2/2)

20-05-2025

Test Specification:

Deformed Bar

Sample Type:

[illegible][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

MMP (Pvt) Ltd. Pkg-I PCP Daska.(Const of Strom Water Drainage in Daska City)

Dr. /Engr. Wasim Abbas

SOM Lab
Ref: 1247(Page-1/1)

Dated: 20-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Kamran Steel)

[illegible]

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

NesPak ,SKP.(Estb Of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Sheikhpora)

NesPak ,SKP.(Estb Of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Sheikhpora)

SOM Lab

Ref: 1248 (Page-1/1)

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Sample Type:

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	1.493	6	0.748	0.44	0.439	13.99	19.52	70100	70260	97850	98070	1.20	8.0	15.0	
2	1.495	6	0.748	0.44	0.439	13.76	19.44	68980	69140	97440	97660	1.00	8.0	12.5	
3	0.666	4	0.500	0.20	0.196	6.09	8.61	67110	68480	94990	96930	0.80	8.0	10.0	
4	0.671	4	0.501	0.20	0.197	6.24	8.77	68800	69840	96670	98140	0.90	8.0	11.3	
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Witnessed By:				Hamza Nasar (Site Engineer)											
<u>BEND TEST:</u>															
# 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															

BSD Kallur Kot.(Const Of Inter-Provincial Joint Check Post In Punjab One at Dajal Distt Bhakkar)

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 1249 (Page-1/1)

20-05-2025

Test Specification:

Deformed Bar

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	2.667	8	0.999	0.79	0.784	26.07	35.78	72770	73330	99890	100650	1.40	8.0	17.5	
2	0.653	4	0.494	0.20	0.192	6.52	8.26	71940	74940	91050	94850	1.40	8.0	17.5	
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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															

AE B&R GE (Air) Rafiqui.(Installation of 2MW Solar System at PAF Base Rafiqui)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1250 (Page-1/1)

20-02-2025

Test Specification:

Deformed Bar

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	1.491	6	0.747	0.44	0.438	14.37	18.98	72050	72380	95140	95570	1.30	8.0	16.3	
2	1.490	6	0.747	0.44	0.438	14.44	18.96	72400	72730	95040	95470	1.20	8.0	15.0	
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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															

MMP (Pvt) Ltd. Pkg -I PCP Daska.(Const of Strom Water Drainage in Daska City)

Dr. /Engr. Wasim Abbas

Dated: 22-04-2025

Ref: 1251(Page-1/1)

Dated: 20-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Mughal Supreme)

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	0.651	4	0.493	0.20	0.191	6.29	8.12	69360	72630	89590	93810	1.30	8.0	16.3	
2	0.649	4	0.493	0.20	0.191	6.22	8.02	68570	71800	88470	92640	1.10	8.0	13.8	
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<u>BEND TEST:</u>															
# 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															

Snr PM IDAP Lahore.(Const Of Admin Building Tower-A Old P&D Building,Lahore)

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

Client Reference: SPM(Old P&D)/IDAP/2025/22378

Dated: 17-05-2025

SOM Lab

Ref: 1253 (Page-1/2)

Dated: 20-05-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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	2.621	8	0.990	0.79	0.770	24.57	33.35	68590	70370	93120	95530	1.50	8.0	18.8	
2	1.497	6	0.748	0.44	0.440	13.83	19.52	69340	69340	97850	97850	1.30	8.0	16.3	
3	0.666	4	0.500	0.20	0.196	6.07	8.56	66890	68250	94420	96350	1.40	8.0	17.5	
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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															