

Test Performed by: Dr. S. Asad Ali Gillani

Salman Shahid
General Manager/ Project Manager
Nespak Islamabad.
(Construction of Plateform along with Allied Services for TPS-77, MRR Radar at Kinara Top at PAF Base Mushaf)

Client Reference No.: 4800/321/SS/01/966

Dated: 22-01-2025

SOM Lab Ref: CED/SOM/645 (Page-1/1)

Dated: 24-01-2025

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	M.S Plate (16mm)	HR – 83.16– B
2	M.S Plate (12mm)	HR – 86.66– B
3	M.S Plate (10mm)	HR – 84.16– B
4	M.S Plate (8mm)	HR – 85.33– B

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

Iftikhar Ahmad
Snr GM Sufi City (Construction of Sufi City Housing Society,Mandi Bahauddin)

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Client Reference: SUFI/2025/CE/11

Dated: 22-01-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 642 (Page-1/2)

Dated: 24-01-2025

Test Specification: ASTM-A-615

Deformed Bar (Five Star 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	2.645	8	0.995	0.79	0.777	22.29	35.27	62240	63280	98470	100110	1.20	8.0	15.0	
2	2.652	8	0.996	0.79	0.779	22.53	36.31	62890	63780	101370	102800	1.20	8.0	15.0	
3	1.481	6	0.744	0.44	0.435	12.86	20.87	64480	65230	104590	105790	1.10	8.0	13.8	
4	1.489	6	0.747	0.44	0.438	12.92	20.85	64740	65040	104490	104970	1.00	8.0	12.5	
5	0.664	4	0.498	0.20	0.195	5.98	8.94	65990	67680	98580	101110	1.00	8.0	12.5	
6	0.660	4	0.497	0.20	0.194	5.81	8.79	64080	66060	96900	99890	1.00	8.0	12.5	
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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

Iftikhar Ahmad

Test Performed By: Dr. /Engr. Irfan UI Hassan

Snr GM Sufi City (Construction of Distt Gate Sarai Alamgir Road Near 8-Rd,Mandi Bahauddin)

Client Reference: SUFI/2025/CE/12

SOM Lab

Dated: 22-01-2025

Ref: 642 (Page-2/2)

Dated: 24-01-2025

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	2.574	8	0.981	0.79	0.756	27.27	35.83	76130	79550	100030	104530	1.00	8.0	12.5	
2	2.568	8	0.980	0.79	0.755	26.76	35.68	74700	78170	99600	104220	1.10	8.0	13.8	
3	1.391	6	0.722	0.44	0.409	14.75	18.50	73940	79540	92740	99770	1.00	8.0	12.5	
4	1.402	6	0.724	0.44	0.412	15.26	18.98	76490	81690	95140	101610	1.00	8.0	12.5	
5	0.621	4	0.481	0.20	0.182	6.68	8.92	73630	80910	98360	108090	1.00	8.0	12.5	
6	0.622	4	0.483	0.20	0.183	6.57	8.69	72510	79240	95770	104670	1.00	8.0	12.5	
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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		

Engr. Haseeb Afzal

Test Performed By: Dr. /Engr. Irfan Ul Hassan

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

SOM Lab

Client Reference: HMBDPL/S.O/01/25/164(LHR)

Ref: 643(Page-1/1)

Dated: 24-01-2025

Dated: 24-01-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (DC # 1390)

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	2.677	8	1.001	0.79	0.787	25.79	34.12	72000	72280	95250	95610	1.20	8.0	15.0	
2	2.662	8	0.998	0.79	0.782	24.77	34.12	69160	69860	95250	96220	1.20	8.0	15.0	
3	1.502	6	0.749	0.44	0.441	14.34	19.16	71890	71730	96060	95840	1.60	8.0	20.0	
4	1.501	6	0.749	0.44	0.441	14.25	19.16	71430	71270	96060	95840	1.60	8.0	20.0	
5	0.655	4	0.494	0.20	0.192	6.37	8.38	70260	73190	92400	96250	1.50	8.0	18.8	
6	0.654	4	0.494	0.20	0.192	6.70	8.55	73850	76930	94310	98240	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

M.Armughan Khan

DD (QCD) WASA,LDA,Lhr.(Manufactring Of R.C.C Manhole Covers WASA,LDA Lahore)

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: QCD/317

SOM Lab

Dated: 23-01-2025

Ref: 646 (Page-1/1)

Dated: 24-01-2025

Test: Tension Test & Bend Test

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	0.664	4	0.498	0.20	0.195	6.57	8.87	72510	74360	97800	100300	1.00	8.0	12.5	
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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