

Engr. Farrukh Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy. General Manager Works.Habib Rafiq Engineering (Pvt.) Ltd.(101 Tower,Lahore)

Client Reference: HRLE/SKG/2025/Hunza/16-21.347/25-3.569/217

SOM Lab Ref:

1592 (P-1/1)

Dated: 01-08-2025

Dated:

01-08-2025

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

Deformed Bar (Hunza 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.554	16	15.88	201	198	97.70	126.50	486	494	629	639	37.5	200	18.8	
2	1.546	16	15.84	201	197	92.70	121.70	461	471	605	618	35.0	200	17.5	
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BEND TEST:

16mm

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

Engr. Farrukh Alvi

Test Performed By:

Dr. /Engr.

Ubaid Mughal

Dy. General Manager Works.Habib Rafiq Engineering (Pvt.) Ltd.(101 Tower,Lahore)

Client Reference: HRLE/SKG/2025/Hunza/25-3.569/219

SOM Lab Ref:

1593 (P-1/1)

Dated: 01-08-2025

Dated:

01-08-2025

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

Deformed Bar (Hunza 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.899	25	25.16	491	497	215.20	310.20	438	433	632	625	40.0	200	20.0	
2	3.905	25	25.17	491	497	221.50	313.70	451	446	639	631	37.5	200	18.8	
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BEND TEST:

25mm	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

Superintendent

Test Performed By: Dr. /Engr. Ubaid Mughal

Central Jail Fsd.(Revamping Program Under G.S No.1944 For The Year 2023-24 One at Central Jail Fsd)

Client Reference: 19272

SOM Lab

Ref: 1594 (Page-1/1)

Dated: 31-07-2025

Dated: 01-08-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Def Bar (Location-Roof Area)

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	1.553	6	0.762	0.44	0.456	15.87	21.48	79560	76770	107660	103880	1.30	8.0	16.3	
2	1.507	6	0.751	0.44	0.443	15.49	21.15	77670	77140	106020	105300	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	6.09	8.15	67110	69910	89930	93680	1.10	8.0	13.8	
4	0.654	4	0.494	0.20	0.192	5.98	8.12	65990	68740	89590	93320	1.00	8.0	12.5	
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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

Zaheer Abbas

Test Performed By:

Dr. /Engr.

Nauman Khurram

Sr.Manager Const. Beaconhouse School System.(Const at Gojra Campus)

Client Reference: Nil

SOM Lab

Ref:

1595 (Page-1/1)

Dated: 31-07-2025

Dated:

01-08-2025

Test: Tension Test & Bend Test

Test Specification:

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	2.597	8	0.986	0.79	0.763	26.52	33.84	74050	76670	94480	97820	1.60	8.0	20.0	
2	1.507	6	0.751	0.44	0.443	15.24	19.42	76390	75870	97340	96680	1.40	8.0	17.5	
3	0.578	4	0.465	0.20	0.170	5.66	7.19	62390	73400	79250	93230	1.60	8.0	20.0	
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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	
# 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.Adil Khan, RE

Test Performed By: Dr. /Engr. Nauman Khurram

Nespak.(Dev Of Internal Infrastructure Of CBD Walton&Flyover Connecting Bab-e-Pakistan To Walton)

Client Reference: 4322/13/DAK/02/432

SOM Lab

Ref: 1596 (Page-1/1)

Dated: 28-07-2025

Dated: 01-08-2025

Test: Tension Test & Bend Test

Test Specification: 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	0.650	4	0.493	0.20	0.191	6.42	8.41	70820	74160	92740	97110	1.10	8.0	13.8	
2	0.653	4	0.494	0.20	0.192	6.37	8.28	70260	73190	91280	95080	1.30	8.0	16.3	
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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