

Shahid Hussain

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Incharge QC Civil Elite Engineering (Pvt) Ltd.(Rehablittion & Addional Works)

Client Reference: EEPL/UET/10400/25-24

SOM Lab

Ref:

208 (Page-1/1)

Dated: 13-11-2024

Dated:

15-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kmaran 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.636	8	0.993	0.79	0.775	24.16	34.73	67450	68750	96960	98830	1.20	8.0	15.0	
2	2.625	8	0.991	0.79	0.771	24.08	34.61	67220	68880	96620	99000	1.30	8.0	16.3	
3	1.505	6	0.750	0.44	0.442	14.50	20.29	72660	72330	101680	101220	1.30	8.0	16.3	
4	1.502	6	0.749	0.44	0.441	14.27	20.05	71540	71370	100500	100280	1.40	8.0	17.5	
5	0.673	4	0.502	0.20	0.198	7.80	10.24	85990	86860	112970	114110	1.00	8.0	12.5	
6	0.672	4	0.501	0.20	0.197	7.59	10.04	83750	85020	110720	112410	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Engr. Haseeb Afzal

Test Performed By:

Dr. /Engr. Asad ali Gillani

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

Client Reference: HMBDPL/S.O/11/24/141(LHR)

SOM Lab

Ref: 209 (Page-1/1)

Dated: 15-11-2024

Dated: 15-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Bility # 1112)

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.620	8	0.990	0.79	0.770	23.60	34.42	65880	67590	96100	98600	1.50	8.0	18.8	
2	2.629	8	0.992	0.79	0.773	24.06	34.45	67160	68640	96190	98300	1.50	8.0	18.8	
3	1.461	6	0.739	0.44	0.429	14.27	19.88	71540	73370	99640	102190	1.50	8.0	18.8	
4	1.475	6	0.743	0.44	0.433	15.29	20.56	76640	77880	103060	104730	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Engineer Muhammad Irfan  
Dy Dir Infra. DHA Gujranwala.(Const of Bdy wall)(Sector E)

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

**Client Reference:** 111/DD/J/Lab/Tameer/53

**SOM Lab**

**Ref:** 210 (Page-1/1)

**Dated:** 05-11-2024

**Dated:** 15-11-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.670	4	0.501	0.20	0.197	6.57	8.48	72510	73610	93530	94950	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	6.68	8.46	73630	74750	93300	94720	1.30	8.0	16.3	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Arctic Spinning

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Const of Blow Room Extension at Arctic Div-II, Arctic Spinning,4-Km Shortkot Road,Toba Tek Singh.

Client Reference: Arctic/II/Civil/24-110

SOM Lab

Ref: 211 (Page-1/1)

Dated: 15-11-2024

Dated: 15-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.721	8	1.009	0.79	0.800	26.91	35.24	75130	74190	98380	97150	1.20	8.0	15.0	
2	2.718	8	1.009	0.79	0.799	24.18	33.54	67500	66740	93630	92570	1.10	8.0	13.8	
3	1.492	6	0.747	0.44	0.438	16.41	20.90	82260	82640	104750	105220	1.20	8.0	15.0	
4	1.498	6	0.748	0.44	0.440	15.49	20.92	77670	77670	104850	104850	1.10	8.0	13.8	
5	0.666	4	0.500	0.20	0.196	7.08	9.30	78130	79720	102520	104610	1.00	8.0	12.5	
6	0.667	4	0.500	0.20	0.196	7.44	9.70	82060	83730	107010	109200	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

M. Yasir Kiani, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

JCP Wahga NESPAK. (Expension Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/92

SOM Lab

Ref:

212 (Page-1/1)

Dated: 15-11-2024

Dated:

15-11-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Aziz 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.640	8	0.994	0.79	0.776	23.16	36.56	64660	65830	102080	103920	1.40	8.0	17.5	
2	2.641	8	0.994	0.79	0.776	23.41	37.38	65370	66550	104360	106240	1.30	8.0	16.3	
3	1.489	6	0.747	0.44	0.438	13.05	19.59	65400	65700	98210	98650	1.50	8.0	18.8	
4	1.488	6	0.746	0.44	0.437	13.23	20.85	66320	66780	104490	105210	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Imran Iftikhar, ARE

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

Enviro Consult,(Strom Water Drainage and Temporary Storage System for Sore Points in Fsd)

Client Reference: 340-WASA-FSD/2024/56

SOM Lab

Ref: 213 (Page-1/1)

Dated: 12-11-2024

Dated: 15-11-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.495	6	0.748	0.44	0.439	15.29	18.98	76640	76820	95140	95360	1.00	8.0	12.5	
2	1.498	6	0.748	0.44	0.440	15.41	19.34	77260	77260	96930	96930	1.00	8.0	12.5	
3	0.659	4	0.497	0.20	0.194	6.09	7.87	67110	69190	86780	89470	1.00	8.0	12.5	
4	0.656	4	0.496	0.20	0.193	6.12	7.80	67450	69890	85990	89110	1.10	8.0	13.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Azmat, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK-Turkpak JV Lhr.(Reconstruction of Lady Willingdon Hospital,Lahore)

Client Reference: 4729/13/MA/04/129

SOM Lab

Ref:

214(Page-1/1)

Dated: 14-11-2024

Dated:

15-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.668	4	0.500	0.20	0.196	6.83	9.76	75320	76850	107580	109770	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	6.63	9.43	73070	74180	103980	105560	1.00	8.0	12.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Client Reference: Nil

Dated: 15-11-2024

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 215 (Page-1/1)

Dated: 15-11-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.600	8	0.986	0.79	0.764	26.45	34.15	73850	76360	95340	98580	1.50	8.0	18.8	
2	2.596	8	0.986	0.79	0.763	26.42	34.10	73770	76380	95190	98560	1.40	8.0	17.5	
3	1.495	6	0.748	0.44	0.439	18.40	22.45	92230	92440	112510	112770	1.20	8.0	15.0	
4	1.490	6	0.747	0.44	0.438	18.01	22.45	90290	90700	112510	113030	1.30	8.0	16.3	
5	0.666	4	0.500	0.20	0.196	6.88	8.28	75880	77430	91280	93140	1.30	8.0	16.3	
6	0.671	4	0.501	0.20	0.197	7.24	8.79	79810	81030	96900	98370	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)



Muhammad Ijaz Jaspal,RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

NESPAK Hauharabad.(Restoration/Improvement of Gunjial to warcha Road in Distt Khushab)

Client Reference: RE/4834/MIJ/24/22

SOM Lab

Ref: 216 (Page-1/1)

Dated: 31-10-2024

Dated: 15-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.504	6	0.750	0.44	0.442	14.63	20.08	73320	72990	100660	100200	1.30	8.0	16.3	
2	1.507	6	0.751	0.44	0.443	14.42	19.90	72300	71810	99740	99060	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	6.65	8.97	73290	74410	98920	100430	1.20	8.0	15.0	
4	0.673	4	0.502	0.20	0.198	7.26	9.89	80040	80850	109040	110140	1.10	8.0	13.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)