

Niaz Muhammad

Test Performed By:

Dr. /Engr.

Wasim Abbas

ME ACC Pvt Ltd.(NHA).(Kot Pindi Dass Interchange Motorway M-2 Sheikhpura)

Client Reference: ME/ACC/NHA/03

SOM Lab Ref:

030(Page-1/1)

Dated: 17-10-2024

Dated:

17-10-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.790	25	24.80	491	483	169.20	278.00	345	351	566	576	40.0	200	20.0	
2	3.785	25	24.78	491	482	168.50	278.70	343	350	568	578	42.5	200	21.3	
3	0.892	12	12.03	113	114	59.70	76.50	528	526	677	674	30.0	200	15.0	
4	0.890	12	12.02	113	113	60.00	76.50	531	530	677	675	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
12mm	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. S. Asad Ali Gillani

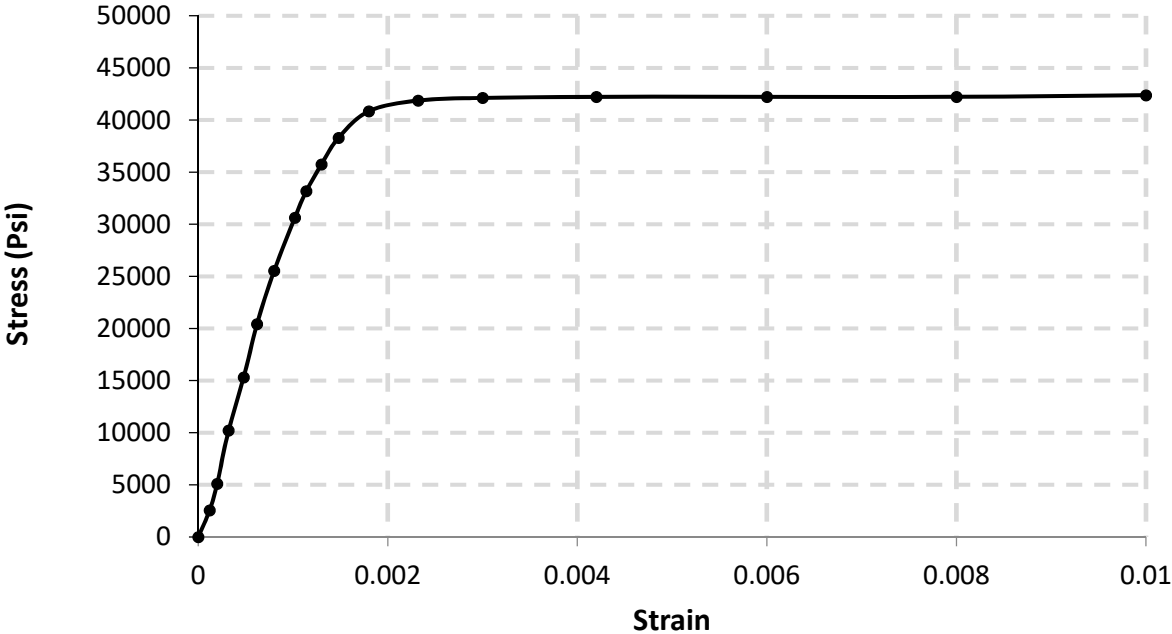
Maj Muhammad Faiq Habib
GE (Army) Mangla Cantt.

Client Reference No. 604/32/E-6
SOM Lab Ref: CED/SOM/031 (Page – 2/5)

Dated: 16-10-2024
Dated: 17-10-2024

Sample # 1*
Graph

Stress-Strain Plot (Bar Size #6)



Modulus of Elasticity (E) = 220 GPa

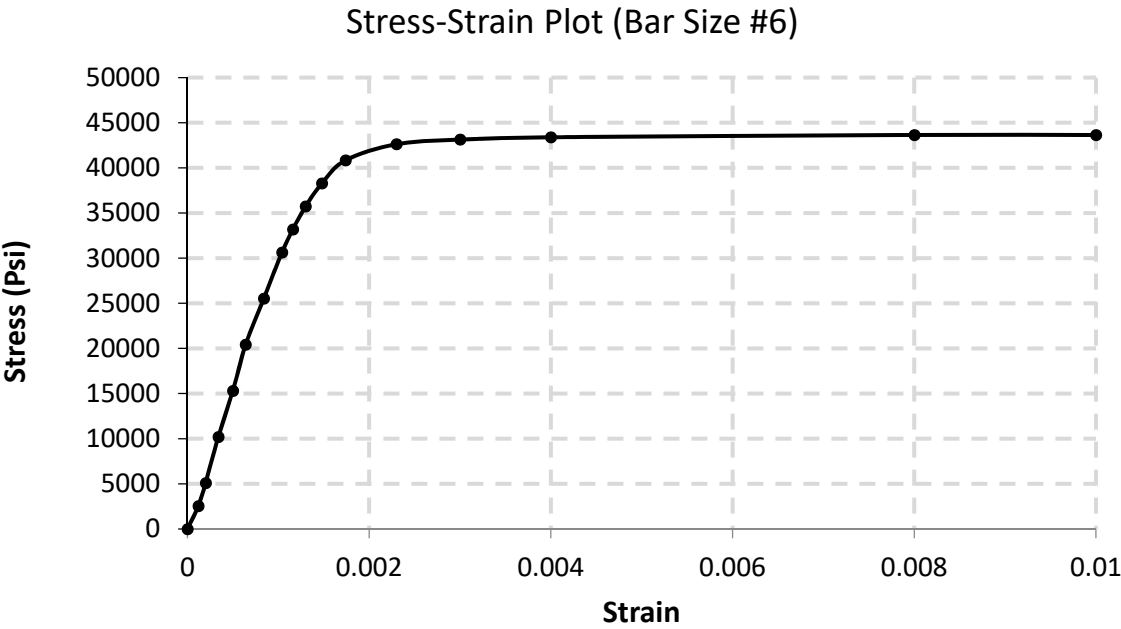
Test Performed by: Dr. S. Asad Ali Gillani

Maj Muhammad Faiq Habib
GE (Army) Mangla Cantt.

Client Reference No. 604/32/E-6
SOM Lab Ref: CED/SOM/031 (Page – 3/5)

Dated: 16-10-2024
Dated: 17-10-2024

Sample # 2*
Graph



Modulus of Elasticity (E) = 202 GPa

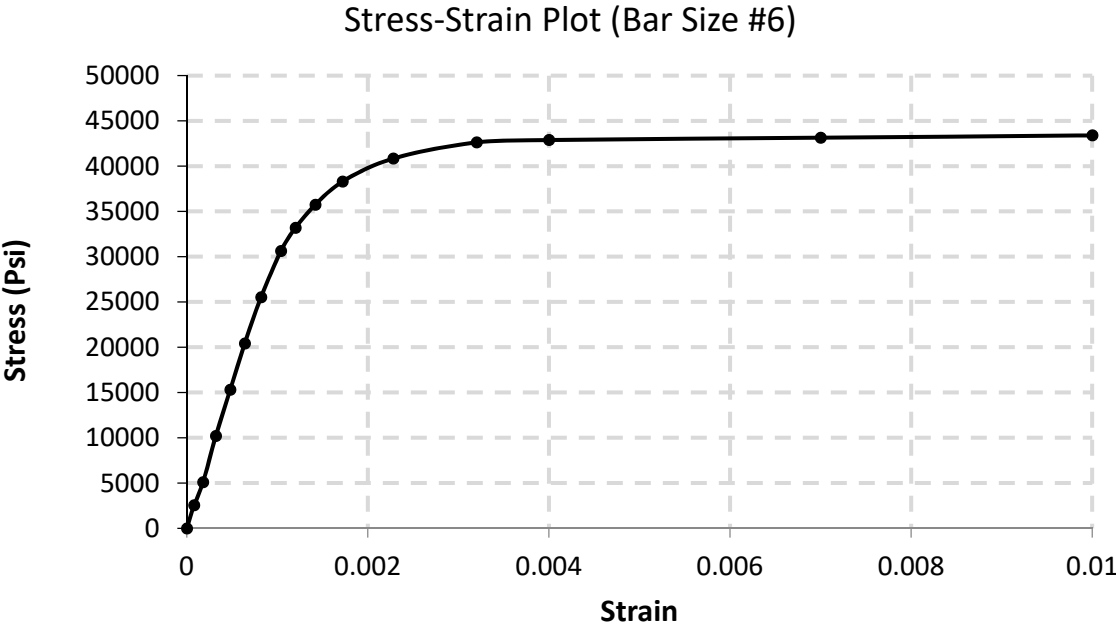
Test Performed by: Dr. S. Asad Ali Gillani

Maj Muhammad Faiq Habib
GE (Army) Mangla Cantt.

Client Reference No. 604/32/E-6
SOM Lab Ref: CED/SOM/031 (Page – 4/5)

Dated: 16-10-2024
Dated: 17-10-2024

Sample # 3*
Graph



Modulus of Elasticity (E) = 220 GPa

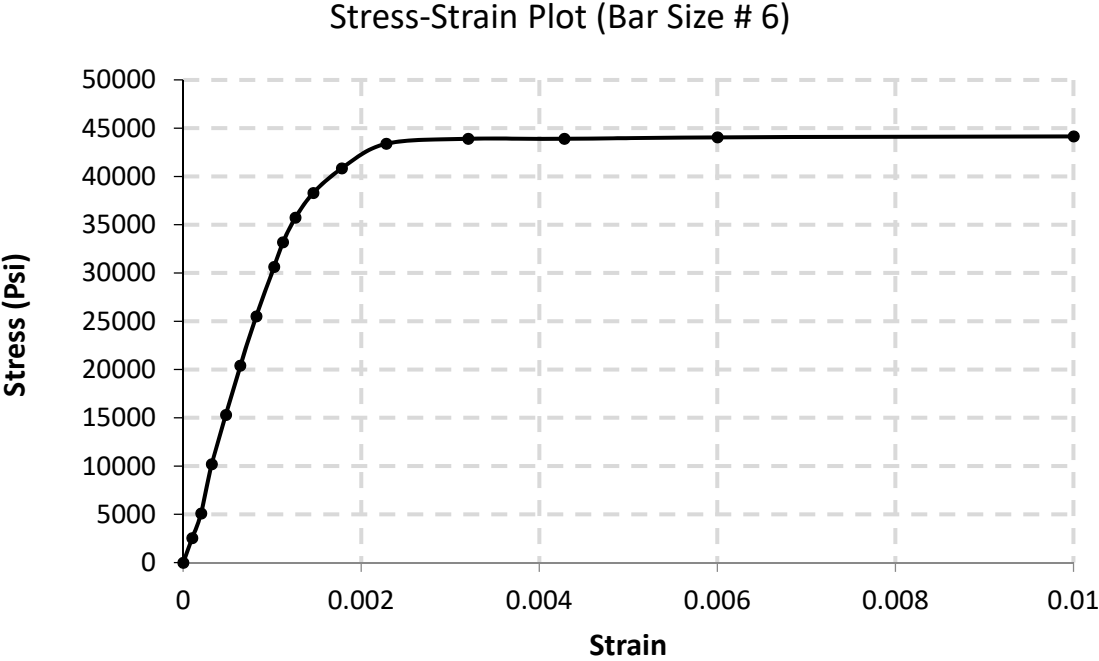
Test Performed by: Dr. S. Asad Ali Gillani

Maj Muhammad Faiq Habib
GE (Army) Mangla Cantt.

Client Reference No. 604/32/E-6
SOM Lab Ref: CED/SOM/031 (Page – 5/5)

Dated: 16-10-2024
Dated: 17-10-2024

Sample # 4*
Graph



Modulus of Elasticity (E) = 211 GPa

Niaz Muhammad

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

ME ACC Pvt Ltd.(NHA).(Kot Pindi Dass Interchange Motorway M-2 Sheikhpura)

Client Reference: ME/ACC/NHA/02

SOM Lab Ref:

033(Page-1/1)

Dated: 17-10-2024

Dated:

17-10-2024

Test: Tension Test

Test Specification:

ASTM-A-F1554

Guage Length: 200 mm

Sample Type:

J Bolt

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	3.982	25	25.41	491	507	185.70	288.20	378	367	587	569	45.0	200	22.5	
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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

Baber Baig, RE

Test Performed By: Dr. /Engr. Wasim Abbas

QA/QC Deptt. Bahria Town Lhr. (Executive-3 Boundary Wall at Ali Villa Bahria Town Multan Road)

Client Reference: QA/QC/Steel-3831

SOM Lab

Ref: 027 (Page-1/1)

Dated: 16-10-2024

Dated: 17-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.731	8	1.011	0.79	0.803	26.93	37.16	75190	73970	103730	102050	1.50	8.0	18.8	
2	2.743	8	1.013	0.79	0.806	29.58	38.55	82590	80950	107630	105490	1.40	8.0	17.5	
3	1.517	6	0.754	0.44	0.446	14.50	19.01	72660	71680	95290	94010	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	14.27	18.96	71540	71700	95040	95250	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	5.73	8.66	63180	63810	95550	96510	1.00	8.0	12.5	
6	0.672	4	0.501	0.20	0.197	5.76	8.63	63510	64480	95210	96660	1.10	8.0	13.8	
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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

Zaheer Ali
SSO For Commander MES (Army) Lahore Cantt.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: 3004/13/E-3

SOM Lab

Ref: 028 (Page-1/1)

Dated: 17-10-2024

Dated: 17-10-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.540	8	0.975	0.79	0.746	20.08	31.60	56060	59370	88220	93420	1.50	8.0	18.8	
2	2.530	8	0.973	0.79	0.744	19.83	31.21	55350	58780	87140	92530	1.60	8.0	20.0	
3	1.011	5	0.615	0.31	0.297	8.02	11.64	57080	59580	82820	86450	1.20	8.0	15.0	
4	1.006	5	0.614	0.31	0.296	7.92	11.54	56350	59020	82100	85980	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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. 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/01/81

SOM Lab

Ref: 029 (Page-1/1)

Dated: 17-10-2024

Dated: 17-10-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.669	8	0.999	0.79	0.784	24.94	36.77	69640	70170	102650	103430	1.50	8.0	18.8	
2	2.661	8	0.998	0.79	0.782	24.24	35.94	67680	68370	100340	101370	1.60	8.0	20.0	
3	1.499	6	0.749	0.44	0.441	13.43	20.56	67290	67140	103060	102830	1.30	8.0	16.3	
4	1.491	6	0.747	0.44	0.438	13.17	20.44	66020	66320	102450	102910	1.20	8.0	15.0	
5	0.670	4	0.501	0.20	0.197	5.76	8.38	63510	64480	92400	93810	1.00	8.0	12.5	
6	0.667	4	0.500	0.20	0.196	5.58	8.36	61490	62750	92180	94060	1.10	8.0	13.8	
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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

Maj Muhammad Faiq Habib
GE (Army) Mangla Cantt.

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

Client Reference: 604/32/E-6

SOM Lab

Ref: 031 (Page-1/5)

Dated: 16-10-2024

Dated: 17-10-2024

Test: Tension 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	1.270	6	0.689	0.44	0.373	8.38	13.32	42000	49550	66780	78780	1.70	8.0	21.3	*
2	1.275	6	0.691	0.44	0.375	8.61	13.43	43180	50660	67290	78960	1.60	8.0	20.0	*
3	1.269	6	0.689	0.44	0.373	8.56	13.37	42920	50630	67040	79080	1.20	8.0	15.0	*
4	1.275	6	0.691	0.44	0.375	8.77	13.12	43940	51560	65760	77160	1.30	8.0	16.3	*
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BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Irfan Ul Hassan

BSD Samundari/Tandlianwala.(200RHCS Rural Health Centers of Tehsil Samundari/Tandlianwala)

Client Reference: 77/TWL

SOM Lab

Ref: 032 (Page-1/1)

Dated: 15-10-2024

Dated: 17-10-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.500	6	0.749	0.44	0.441	15.09	20.54	75620	75450	102960	102720	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	5.76	8.31	63510	64480	91610	93010	1.30	8.0	16.3	
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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

