

Muhammad Awais

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

RE NESPAK.(GEPSCO Employees Housing Foundation GEHF Town Phase-1 Gujranwala)

Client Reference: P4265/23/MA/224

SOM Lab

Ref: 2315 (Page-1/1)

Dated: 01-06-2023

Dated: 02-06-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Mehboob 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	2.670	8	1.000	0.79	0.785	25.08	35.52	70010	70450	99180	99810	1.50	8.00	18.8	
2	2.670	8	1.000	0.79	0.785	25.13	35.24	70150	70600	98380	99010	1.80	8.00	22.5	
3	1.508	6	0.751	0.44	0.443	15.14	19.90	75880	75360	99740	99060	1.30	8.00	16.3	
4	1.517	6	0.754	0.44	0.446	16.08	20.54	80580	79490	102960	101570	1.20	8.00	15.0	
5	0.672	4	0.501	0.20	0.197	5.98	8.23	65990	66990	90720	92100	1.10	8.00	13.8	
6	0.670	4	0.501	0.20	0.197	6.49	8.35	71610	72700	92060	93470	1.10	8.00	13.8	
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**BEND TEST:**

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

Sub Divisional Officer  
Highway Sub Division, Chak Jhumra

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

Client Reference: 192/CJ

SOM Lab

Ref: 2348 (Page-1/1)

Dated: 23-05-2023

Dated: 06-06-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.70 3	8	1.00 5	0.7 9	0.79 4	25.84	34.22	72140	71780	95530	95050	1.5 0	8. 0	18. 8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-  Only One Sample Received and Tested</b>

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

Muhammad Irfan  
ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

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

Client Reference: DOC-BMC/AJWA/061

SOM Lab

Ref: 2349 (Page-1/1)

Dated: 06-06-2023

Dated: 06-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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	2.74 9	8	1.01 4	0.7 9	0.80 8	29.26	36.90	81680	79860	10302 0	10072 0	1.6 0	8. 0	20. 0	
2	2.75 1	8	1.01 4	0.7 9	0.80 8	29.46	37.07	82250	80410	10350 0	10120 0	1.5 0	8. 0	18. 8	
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**BEND TEST:**

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

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

Engr` s Abdul Waheed

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

PE OZ Developers Lahore.(Const a High-rise Building Bahria Sky at Bahria Orchard ph-4 Lhr)

Client Reference: Nil

SOM Lab

Ref: 2378 (Page-1/1)

Dated: 07-06-2023

Dated: 07-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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	1.580	6	0.769	0.44	0.464	14.17	18.86	71020	67350	94530	89640	1.10	8.0	13.8	
2	1.452	6	0.737	0.44	0.427	15.16	20.03	75980	78290	100400	103460	1.10	8.0	13.8	
3	0.670	4	0.501	0.20	0.197	7.34	8.87	80940	82170	97800	99290	1.00	8.0	12.5	
4	0.671	4	0.501	0.20	0.197	7.46	8.92	82290	83540	98360	99860	1.00	8.0	12.5	
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**BEND TEST:**

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

Sub Divisional officer,  
 BSD No.1 Multan.(Const Of Parking Plaza at Distt Head Quarter Multan)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 7686/1st

SOM Lab

Ref: 2380 (Page-1/1)

Dated: 20-03-2023

Dated: 07-06-2023

Test: Tension Test & Bend Test  
 inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.659	8	0.997	0.79	0.781	24.28	33.35	67790	68570	93120	94190	1.50	8.0	18.8	
2	2.649	8	0.995	0.79	0.778	24.36	33.28	68020	69070	92920	94350	1.40	8.0	17.5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-  Only Two Samples Received and Tested</b>

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

Sheikh Younis & Sons  
Construction Lahore

Test Performed By: Dr. /Engr.

Nauman  
Khurram

Client Reference: Nil

SOM Lab

Ref: 2381 (Page-1/1)

Dated: 07-06-2023

Dated: 07-06-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.47 6	6	0.74 3	0.4 4	0.43 4	15.39	18.71	77160	78220	93760	95060	1.7 0	8. 0	21. 3	
2	0.60 1	4	0.47 5	0.2 0	0.17 7	6.44	8.10	71040	80280	89370	10098 0	1.4 0	8. 0	17. 5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  <b>Only Two Samples Received and Tested</b>

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

Engg Services Consultants

Test Performed By:

Dr. /Engr.

Nauman Khurram

GM Works Lahore.(Const Of High Rise commercial Building/OPF Tower,OPF Housing,Lhr)

SOM Lab

Client Reference: 714/ESC/OPF-ISL/7961

Ref:

2382 (Page-1/1)

Dated: 06-06-2023

Dated:

07-06-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.627	8	0.991	0.79	0.772	26.07	35.12	72770	74470	98040	100320	1.30	8.0	16.3	
2	2.636	8	0.993	0.79	0.775	24.89	31.91	69500	70840	89070	90800	1.20	8.0	15.0	
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**BEND TEST:**

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

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

Muhammad Riaz Bhatti,RE

Test Performed By: Dr. /Engr.

Nauman Khurram

Fazaia Housing Scheme Gujranwala.(Const Of 8.5M Commercial Plaza,Mall C/Plot # 3 in Sec-A)

Client Reference: FHSC/PMO/6015/5/Dev

SOM Lab

Ref: 2383 (Page-1/1)

Dated: 30-05-2023

Dated: 07-06-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.698	8	1.005	0.79	0.793	31.42	37.58	87710	87380	104930	104530	1.30	8.0	16.3	
2	1.495	6	0.748	0.44	0.439	14.42	17.86	72300	72470	89520	89720	1.40	8.0	17.5	
3	0.671	4	0.501	0.20	0.197	5.58	8.56	61490	62430	94420	95860	1.40	8.0	17.5	
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**BEND TEST:**

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



Prof.DR.Engr.Abdulah  
Yasar,CE

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

GC Uni,Lhr.(Const Of New Girls Hostel at Main Campus GCU Lahore)

SOM Lab

Client Reference: GCU/Engr/877/W.O

Ref: 2384 (Page-1/1)

Dated: 02-06-2023

Dated: 07-06-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.65 8	8	0.99 7	0.7 9	0.78 1	27.27	34.32	76130	77000	95820	96920	1.1 0	8. 0	13. 8	
2	1.48 2	6	0.74 5	0.4 4	0.43 6	15.41	19.18	77260	77970	96160	97040	1.2 0	8. 0	15. 0	
3	0.67 3	4	0.50 2	0.2 0	0.19 8	5.98	8.72	65990	66650	96110	97080	1.3 0	8. 0	16. 3	
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**BEND TEST:**

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

Test Performed by: .S. Asad Ali Gillani

Laeq Ahmed  
Nadeem & Co

Client Reference No.: Nil

Dated: 07-06-2023

SOM Lab Ref: CED/SOM/2379(Page 1/1)

Dated: 07-06-2023

Test Type: Load Test

Sample Type: SS Pipe – Hanging Wire – Hook Assembly

### Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)	Remarks
1	SS Pipe–Hanging Wire– Hook Assembly	2.0	Whole assembly was tested in tension & failure was observed at the joint of SS-Pipe & Wire at load of 2 kN.

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

Test Performed by: Dr. S. Asad Ali Gillani

Niaz Muhammad

Material Engineer PEAS Consulting & JV Kanju Township Swat  
(Construction Of Dakorak, Alamganj & Asala Bridge On N-95)

Reference No.: 44-ME/PEAS/NHA  
SOM Lab Ref: CED/SOM/2385(Page-1/1)

Dated: 31-05-2023  
Dated: 07-06-2023

Test: Tensile Test, Elongation at Break, Tear Test, Hardness Test & Comp. Set Test

Sample Type: Elastomeric Bearing Pad

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm <sup>2</sup> )	Elongation at Break(%)
1	6.6 x 2.3	0.45	29.64	302.28	480.0
2	6.5 x 2.3	0.50	33.44	341.03	510.0

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	7.6 x 2.3	0.35	152.17
2	7.7 x 2.3	0.38	165.21

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	2.60	2.48	4.61

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Elastomeric Bearing Pad	62.66 avg

