

Engr. Zaheer Ud Din Babar

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

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

1652 (Page-1/2)

Client Reference: HRLE/SKG/2023/111/2789

SOM Lab Ref:

Dated: 26-01-2023

Dated:

26-01-2023

Test: Tension Test

Test Specification:

ASTM-A-615

20 m

MS Deformed Bar (Afco

Guage Length:

0 m

Sample Type:

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	m	%	
1	1.567	16	15.96	201	200	119.70	138.70	596	599	690	694	35.0	200	17.5	
2	1.540	16	15.80	201	196	122.20	138.00	608	624	687	704	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. Zaheer Ud Din Babar

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

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

1652 (Page-2/2)

Client Reference: HRLE/SKG/2023/110/2789

SOM Lab Ref:

Dated: 26-01-2023

Dated:

26-01-2023

Test: Tension Test

Test Specification: ASTM-A-615

20 m

MS Deformed Bar (Afco

Guage Length:

0 m

Sample Type:

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	m	%	
1	0.884	12	12.00	113	113	67.20	82.70	595	595	732	732	32.5	200	16.3	
2	0.956	12	12.45	113	122	68.50	82.50	606	563	730	678	30.0	200	15.0	
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BEND TEST:

12mm	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

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

Kamran Tahir Sandhu

ME DHA Multan.(Electrical Infrastructure Development Sector V,T and N (M/S FESCON)

Client Reference: 701/92/Planning/DHA

Dated: 25-01-2023

SOM Lab Ref: CED/SOM/1655(Page-1/1)

Dated: 26-01-2023

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: Anchor- Bolt (J-Shaped)

Gauge Length: 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	25	490.87	189.0	302.7	385.2	617.0	50.0	200	25.0	32.8
2	25	490.87	165.5	248.7	337.3	506.9	52.5	200	26.3	59.0
3	25	490.87	178.7	268.7	364.2	547.7	42.5	200	21.3	54.8

Note:-

Only Three Samples
Received and Tested

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

Test Performed by: Dr. S. Asad Ali Gillani

Manohar Lal

RE Nespak Gujrat

(Construction Of Service More Flyover To Connect With Industrial Area-II Gujrat Link Road In District Gujrat)

Reference No.: 103/GF/ML/Lab/29

Dated: 18-01-2023

SOM Lab Ref: CED/SOM/1658(Page-1/1)

Dated: 26-01-2023

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 ²)	Elongation at Break(%)
1	8.0 x 2.8	0.50	22.32	227.59	520.0
2	7.0 x 2.8	0.45	22.95	234.14	510.0

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	14.0 x 2.85	0.37	129.82
2	14.0 x 2.95	0.38	128.81

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

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.10	2.94	5.16

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

S. No	Sample Type	Hardness (Shore A)
1	Elastomeric Bearing Pad	63.0

Muhammad Awais

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

RE NESPAK.(Const Sup.Of Mosque & Main Gate For GEPCO Employees Housing Foundation)

Client Reference: P4265/22/MA/169

SOM Lab

Ref: 1651 (Page-1/1)

Dated: 12-01-2023

Dated: 26-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.579	8	0.982	0.79	0.758	26.10	35.23	72850	75930	98350	102500	1.20	8.00	15.00	
2	2.581	8	0.982	0.79	0.758	25.64	34.66	71570	74600	96760	100840	1.30	8.00	16.03	
3	1.504	6	0.750	0.44	0.442	14.58	19.98	73070	72740	100150	99690	1.20	8.00	15.00	
4	1.427	6	0.730	0.44	0.419	13.20	18.73	66170	69490	93860	98570	1.20	8.00	15.00	
5	0.645	4	0.492	0.20	0.190	7.10	8.63	78350	82470	95210	100220	1.10	8.00	13.08	
6	0.658	4	0.496	0.20	0.193	7.21	8.72	79470	82360	96110	99600	1.00	8.00	12.05	
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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. Irfan Ali

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

MP Ittefaq Construction Services Lahore.(Const Of Commercial Plaza "11 Westwood" Lhr)

Client Reference: ICS/H.O/B.T.P/001

SOM Lab

Ref: 1653 (Page-1/1)

Dated: 12-01-2023

Dated: 26-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 inch

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.530	8	0.973	0.79	0.744	26.66	35.07	74420	79020	97900	103950	1.30	8.0	16.3	
2	2.539	8	0.975	0.79	0.746	26.96	35.27	75270	79710	98470	104270	1.20	8.0	15.0	
3	1.476	6	0.743	0.44	0.434	14.37	19.49	72050	73040	97690	99050	1.30	8.0	16.3	
4	1.492	6	0.747	0.44	0.438	14.39	19.42	72150	72480	97340	97780	1.20	8.0	15.0	
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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	

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

Imran Aslam Mughal

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

G.M Commercial.Mughal Pakistan (Pvt) Ltd.(Construction Of Furniture Showroom-Lakhodair)

Client Reference: 786/MPL/260102/2023

SOM Lab

Ref: 1654 (Page-1/1)

Dated: 26-01-2023

Dated: 26-01-2023

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	1.727	6	0.804	0.44	0.508	12.13	19.67	60810	52670	98610	85410	1.60	8.0	20.0	
2	1.019	5	0.617	0.31	0.299	7.95	12.61	56570	58650	89710	93010	1.30	8.0	16.3	
3	0.608	4	0.477	0.20	0.179	4.99	7.29	55080	61540	80370	89800	1.50	8.0	18.8	
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BEND TEST:

# 6	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	
# 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

ASM Builders & Developes
Lahore.

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

Client Reference: Nil
Dated: 26-01-2023

SOM Lab
Ref: 1656 (Page-1/1)
Dated: 26-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615
Deformed Bar (Roshan
steel0

Gauge Length: 8 inch

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	1.486	6	0.746	0.44	0.437	15.06	20.29	75470	75990	101680	102380	1.20	8.00	15.00		
2	1.496	6	0.748	0.44	0.440	15.29	19.72	76640	76640	98870	98870	1.30	8.00	16.3		
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Alif Holdings (Pvt) Ltd.

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

Lahore.(Developer Preparing High Rise Building in different Cities Of Pakistan)

Client Reference: Nil

SOM Lab

Ref: 1657 (Page-1/1)

Dated: 23-01-2023

Dated: 26-01-2023

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	1.490	6	0.747	0.44	0.438	15.14	18.81	75880	76220	94270	94700	1.10	8.00	13.8	
2	0.674	4	0.502	0.20	0.198	6.75	9.14	74420	75170	100830	101850	1.10	8.00	13.8	
3	0.663	4	0.498	0.20	0.195	6.29	8.15	69360	71140	89930	92230	1.00	8.00	12.5	
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Witnessed By: Ali Asif

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

