

Muddasir Ali  
Lahore

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

Client Reference: Nil

SOM Lab 1110 (Page-

Ref: 1/1)

Dated: 20-10-2022

Dated: 20-10-2022

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	2.053	7	0.876	0.60	0.603	18.93	26.07	69580	69240	95810	95330	1.40	8.0	17.5	
2	1.512	6	0.752	0.44	0.444	14.42	19.75	72300	71650	98970	98080	1.30	8.0	16.3	
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**BEND TEST:**

# 7	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four 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)

Mehran Haider Leel  
Incharge QA/QC Ikan Engg Services Pvt.Ltd Lahore.

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

Client Reference: IK-2833-04 Hundai Motor

SOM Lab 1111 (Page-

Ref: 1/1)

Dated: 20-10-2022

Dated: 20-10-2022

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	0.631	4	0.485	0.20	0.185	5.76	7.82	63510	68660	86220	93210	1.10	8.0	13.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

Atif Ali Awan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE ECSP.(Infra Dev And Const Of Affordable Housing Unit At Moza Rakh Paji Tehsil Raiwind,Lahore)

Client Reference: ECSP/RE/LH/76

SOM Lab 1113 (Page-

Ref: 1/1)

Dated: 18-10-2022

Dated: 20-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	2.709	8	1.007	0.79	0.796	28.03	35.37	78260	77670	98750	98010	1.40	8.0	17.5	
2	1.496	6	0.748	0.44	0.440	15.29	19.47	76640	76640	97590	97590	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 Four 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)

Shakeel Ahmad  
Officer (Purchase) Rupafil Limited. Lahore

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

Client Reference: Nil

SOM Lab 1114 (Page-

Ref: 1/1)

Dated: 20-10-2022

Dated: 20-10-2022

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	1.995	8	0.864	0.79	0.586	16.69	20.46	46590	62810	57120	77000	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 Two 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)

Chaudhary Rizwan Mushtaq

**Test Performed By:**

Dr. /Engr. Irfan Ul Hassan

RE NESPAK.(Flyover At Saroki Adda On G.T.Road (Samma)-Gujrat Dinga Road) (Km No.13)

**Client Reference:** 4364/03/CRM/01/22/011

**SOM Lab** 1115 (Page-

**Ref:** 1/1)

**Dated:** 18-10-2022

**Dated:** 20-10-2022

**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	1.496	6	0.748	0.44	0.440	14.07	20.39	70510	70510	102190	102190	1.10	8.0	13.8	Batala
2	1.497	6	0.748	0.44	0.440	14.17	20.51	71020	71020	102800	102800	1.10	8.0	13.8	Batala
3	1.497	6	0.748	0.44	0.440	16.82	20.87	84310	84310	104590	104590	1.10	8.0	13.8	Ittefaq
4	1.493	6	0.748	0.44	0.439	17.53	21.61	87880	88090	108320	108570	1.00	8.0	12.5	Ittefaq
5	0.660	4	0.497	0.20	0.194	7.54	9.65	83180	85760	106450	109740	1.00	8.0	12.5	Batala
6	0.664	4	0.498	0.20	0.195	6.52	8.92	71940	73790	98360	100880	1.10	8.0	13.8	Batala
7	0.673	4	0.502	0.20	0.198	5.50	8.28	60700	61320	91280	92200	1.00	8.0	12.5	Ittefaq
8	0.661	4	0.497	0.20	0.194	5.37	8.33	59240	61070	91840	94680	1.00	8.0	12.5	Ittefaq
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**BEND TEST:**

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

PRIME STEEL Re-Rolling Mill

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sheikhupura.(Const Of Multi Storied Parking Garage SKMCH & RC Lahore)

Client Reference: Nil

SOM Lab

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Ref:

1/1)

Dated: 20-10-2022

Dated:

20-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Prime 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	1.429	6	0.731	0.44	0.420	11.87	18.27	59480	62310	91560	95920	1.40	8.0	17.5	
2	0.666	4	0.500	0.20	0.196	6.46	9.94	71270	72720	109600	111840	1.00	8.0	12.5	H # 1
3	0.672	4	0.501	0.20	0.197	5.68	8.38	62610	63570	92400	93810	1.30	8.0	16.3	H # 2
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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	
# 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,

**Test Performed By:**

**Dr. /Engr.**

Asad Ali Gillani

BSD Shahkot .(Const Of Distt Jail Nankana Sahib ADP No.3700, For The Year 22-23)

**Client Reference:** 3022/SDO/BSD/SKT

**SOM Lab**

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**Ref:**

1/1)

**Dated:** 19-10-2022

**Dated:**

20-10-2022

**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	1.491	6	0.747	0.44	0.438	15.01	19.95	75210	75560	99990	100450	1.10	8.0	13.8	
2	0.673	4	0.502	0.20	0.198	6.34	9.04	69920	70630	99710	100710	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 Four 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)

Khiam Sarwar

Chemical Engr,

Fawchem

Construction Chemicals, Lahore

**Test Performed By: Dr. /Engr. Wasim Abbas**

(Project: Convection Section(HLCL) Rehabilitation

Foundation at Pak Arab Fertilizer Pvt.Ltd Plant Site Multan)

**Client Reference:** 9459/FC/22

**SOM Lab Ref:** CED/SOM/1112

**Dated:** 19-10-2022

**Dated:** 20-10-2022

**Test:** Tensile Strength

**Gauge Length:** 2 Inch

### Tensile Test (Anchors Bolts)

Sr No.	Sample Type	Original Dia of Sample (mm)	Tested/Calculated Dia of Sample (mm)	Ultimate Load (kN)	Tensile Strength (MPa)	%age Elongation
1	Anchor Bolt (M28x800mm)	28	26.85	516.0	912.0	7.5
2	Anchor Bolt (M24x700mm)	24	15.70	206.5	1066.68	7.5
3	Anchor Bolt (M20x600mm)	20	14.40	195.7	1204.64	12.5



