

Engr. Muhammad Sajjad Arain

**Test Performed By:**

Dr. /Engr.

S.Asad Ali Gillani

RE ACE Consultants Lhr.(Const. of Lodhran-Multan Project Section (N-5))

**Client Reference:** RE/ACE/LMP/2022/156

**Dated:** 03-02-2022

**SOM Lab Ref:** CED/SOM/5872(Page-1/1)

**Dated:** 14-02-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** M S Deformed Bar (Mujahid Steel)

**Gauge Length:** 200 mm

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.962	25	25.36	491	505	218.00	341.70	444	432	696	677	37.5	200	18.8	
2	3.953	25	25.32	491	504	216.70	338.70	441	431	690	673	42.5	200	21.3	
3	2.398	20	19.72	314	306	140.20	216.00	446	459	688	707	32.5	200	16.3	
4	2.378	20	19.64	314	303	141.00	215.50	449	466	686	712	37.5	200	18.8	
5	1.526	16	15.73	201	194	85.00	132.20	423	438	658	681	37.5	200	18.8	
6	1.526	16	15.73	201	194	85.20	132.70	424	439	660	683	32.5	200	16.3	
7	0.871	12	11.89	113	111	52.70	75.20	466	476	665	678	27.5	200	13.8	
8	0.875	12	11.91	113	111	51.70	75.50	457	465	668	678	30.0	200	15.0	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
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](http://www.uet-civil.edu.pk)

Nadeem Mushtaq

**Test Performed By:** Dr. /Engr. Burhan Sharif

Senior civil Engr. National Management Foundation.(Const. Of Female Hostel-6 Building At LUMS)

**Client Reference:** NMF/GM/F-62

**SOM Lab** 5867 (Page-

**Ref:** 1/1)

**Dated:** 11-02-2022

**Dated:** 14-02-2022

**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	1.512	6	0.752	0.44	0.444	16.48	20.69	82620	81880	103720	102790	1.00	8.0	12.5	
2	1.510	6	0.752	0.44	0.444	16.36	20.66	82010	81270	103570	102640	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	7.24	9.25	79810	81030	101960	103510	1.00	8.0	12.5	
4	0.667	4	0.500	0.20	0.196	7.19	9.19	79250	80870	101390	103460	1.00	8.0	12.5	
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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)

Al -Jalil Developers,  
Lahore.

**Test Performed By:** Dr. /Engr. Burhan Sharif

**Client Reference:** Nil

**SOM Lab** 5868 (Page-

**Ref:** 1/1)

**Dated:** 14-02-2022

**Dated:** 14-02-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Kamran 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	2.580	8	0.982	0.79	0.758	23.96	33.33	66880	69700	93060	96990	1.70	8.0	21.3	
2	2.602	8	0.987	0.79	0.765	24.31	33.64	67870	70090	93910	96980	1.60	8.0	20.0	
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**BEND TEST:**

# 8	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)

Sub Divisional officer,

**Test Performed By:** Dr. /Engr. Amina Rajpoot

HSD No.1 Lhr.(Emergency Work/Special Repair Of Side Drain Near Ac Shalimar Office GT Rd Lhr)

**Client Reference:** 26/SDO-I

**SOM Lab** 5869 (Page-

**Ref:** 1/1)

**Dated:** 03-02-2022

**Dated:** 14-02-2022

**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	0.654	4	0.494	0.20	0.192	5.66	8.63	62390	64990	95210	99180	1.00	8.0	12.5	
2	0.673	4	0.502	0.20	0.198	7.75	9.63	85430	86300	106230	107300	1.00	8.0	12.5	
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**BEND TEST:**

--	No Bend test performed	<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)

Engr. Muhammad Younas

Test Performed By:

Dr. /Engr. Amina Rajpoot

RE Nespak QABP,SKP.(Infrastructure Devl.Of Quaid-E-Azam Business Park On Motorway M-2)

Client Reference: 4163/11/MY/01/155

SOM Lab 5870 (Page-

Ref: 1/1)

Dated: 09-02-2022

Dated: 14-02-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Faizan 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	2.592	8	0.985	0.79	0.762	25.08	33.05	70010	72580	92260	95650	1.30	8.0	16.3	
2	2.586	8	0.984	0.79	0.760	24.77	32.79	69160	71880	91550	95160	1.10	8.0	13.8	
3	1.453	6	0.737	0.44	0.427	16.92	21.63	84820	87400	108420	111730	1.00	8.0	12.5	
4	1.452	6	0.737	0.44	0.427	15.19	20.34	76130	78450	101940	105040	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 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)

Sarfaz Rasheed

Test Performed By:

Dr. /Engr.

Amina Rajpoot

GM Projects Ittefaq Building Solution Pvt.Ltd.(Allied bank At Faisalabad)

Client Reference: IBS/CED/AB-02

SOM Lab  
Ref:

5871 (Page-  
1/1)

Dated: 14-02-2022

Dated:

14-02-2022

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	1.050	5	0.627	0.31	0.309	9.65	12.92	68680	68900	91890	92180	1.30	8.0	16.3	
2	1.059	5	0.629	0.31	0.311	9.35	12.69	66500	66290	90290	90000	1.00	8.0	12.5	
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**BEND TEST:**

# 5	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)

Assistant Exe. Engr.II

**Test Performed By:**

**Dr. /Engr. Amina Rajpoot**

CCD.Pak P.W.D Sgd.(Regional Tax Office Sargodha Sub Head Civil Work For 06 No office Buildings)

**Client Reference:** AEE/CCD/SGD/01

**SOM Lab** 5873 (Page-

**Ref:** 1/1)

**Dated:** 04-02-2022

**Dated:** 14-02-2022

**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	2.593	8	0.985	0.79	0.762	24.23	34.42	67650	70130	96100	99630	1.30	8.0	16.3	
2	2.588	8	0.984	0.79	0.761	24.06	34.30	67160	69720	95760	99410	1.40	8.0	17.5	
3	1.488	6	0.746	0.44	0.437	14.07	19.88	70510	71000	99640	100320	1.20	8.0	15.0	
4	1.498	6	0.748	0.44	0.440	14.17	20.03	71020	71020	100400	100400	1.20	8.0	15.0	
5	0.654	4	0.494	0.20	0.192	6.52	8.58	71940	74940	94650	98590	1.10	8.0	13.8	
6	0.656	4	0.496	0.20	0.193	6.39	8.58	70480	73040	94650	98080	1.10	8.0	13.8	
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**BEND TEST:**

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

