

Aamir Shahzad Alvi, PM

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Usman Ibrahim Construction, Lahore. (Const Of HIGH-Q Mall at 3-A Gulberg II, Lahore)

Client Reference: QC/HQ/CIVIL/016

Dated: 29-08-2022

SOM Lab Ref: CED/SOM/823,824(Page-1/1)

Dated: 29-08-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: MS Deformed Bar

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	4.713	28	27.64	616	600	283.50	389.20	460	473	632	649	35.0	200	17.5	
2	4.715	28	27.65	616	601	306.50	404.00	498	511	656	673	25.0	200	12.5	
3	3.813	25	24.87	491	486	217.20	314.50	442	448	641	648	37.5	200	18.8	
4	3.787	25	24.78	491	482	217.20	316.20	442	451	644	656	32.5	200	16.3	
5	2.412	20	19.78	314	307	142.00	207.20	452	463	660	675	30.0	200	15.0	
6	2.400	20	19.73	314	306	141.00	207.20	449	462	660	678	35.0	200	17.5	
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**BEND TEST:**

28mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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)

Flying Cement Company Ltd.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

DGM Civil.(Const Of Flying Cement Company Plant Line-II,7700 TPD Khushab)

Client Reference: Nil

Dated: 23-08-2022

SOM Lab Ref: CED/SOM/821(Page-1/1)

Dated: 29-08-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	3.898	25	25.16	491	497	226.20	338.70	461	456	690	682	32.5	200	16.3	
2	3.893	25	25.13	491	496	241.20	358.00	491	487	729	722	30.0	200	15.0	
3	2.492	20	20.11	314	317	154.70	207.70	492	488	661	655	35.0	200	17.5	
4	2.475	20	20.03	314	315	155.50	208.70	495	494	664	663	32.5	200	16.3	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
20mm	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)

Q-Links Property Const.

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

Project Manager Q-Links Construction Lahore.(Const of JGM,OM,BH-3,JH,SH,Bahria Town Lhr)

**Client Reference:** QCL-BH2-UET-2022-08-LTR-005

**SOM Lab Ref:** 815 (Page-1/1)

**Dated:** 28-08-2022

**Dated:** 29-08-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615  
Deformed Bar (SJ)

**Gauge Length:** 8 inch

**Sample Type:** Gujjar)

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	2.366	8	0.941	0.79	0.695	24.74	33.20	69070	78510	92690	105360	1.30	8.0	16.3	
2	1.475	6	0.743	0.44	0.433	14.39	19.01	72150	73310	95290	96830	1.30	8.0	16.3	
3	0.670	4	0.501	0.20	0.197	7.19	9.35	79250	80460	103080	104650	1.40	8.0	17.5	
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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	
# 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)

Q-Links Property Const.

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

Project Manager Q-Links Construction Lahore.(Const of JGM,OM,BH-3,JH,SH,Bahria Town Lhr)

**Client Reference:** QCL-BH2-UET-2022-08-LTR-007

**SOM Lab** 815 (Page-

**Ref:** 2/2)

**Dated:** 28-08-2022

**Dated:** 29-08-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Kamran)

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	0.649	4	0.493	0.20	0.191	6.47	8.51	71380	74750	93860	98290	1.20	8.0	15.0	
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**BEND TEST:**

# 4	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)

Muhammad Azeem ® Major

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

RE ACES DHA Multan.(Dev Of Sector -T & B-1-DHA Multan)

**Client Reference:** RE/Sec-T&B1/Material /58

**Dated:** 24-08-2022

**Test:** Tension Test & Bend Test

**Gauge Length:** 8 inch

**Test Specification:**

**Sample Type:**

**SOM Lab**

**Ref:**

**Dated:**

ASTM-A-615

Deformed Bar (FF Steel)

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29-08-2022

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	2.634	8	0.993	0.79	0.774	24.64	32.82	68790	70210	91640	93530	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	24.50	32.93	68390	69620	91920	93580	1.40	8.0	17.5	
3	1.456	6	0.738	0.44	0.428	13.76	19.78	68980	70910	99130	101900	1.40	8.0	17.5	
4	1.490	6	0.747	0.44	0.438	13.73	19.75	68830	69140	98970	99420	1.30	8.0	16.3	
5	1.071	5	0.633	0.31	0.315	8.84	12.86	62880	61880	91520	90070	1.30	8.0	16.3	
6	1.064	5	0.631	0.31	0.313	8.97	12.86	63820	63210	91520	90650	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 Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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](http://www.uet-civil.edu.pk)

Nabeel Abbas Habib, CEO

Habib Platinum Devlopers.(Gulshan-E-Habib Housing Society,Lahore)

**Test Performed By:**

**Dr. /Engr.**

Asad Ali Gillani

Client Reference: GHHS/08-2022/0015

Dated: 22-08-2022

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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29-08-2022

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	2.604	8	0.987	0.79	0.765	28.61	37.18	79880	82490	103790	107180	1.20	8.0	15.0	
2	2.604	8	0.987	0.79	0.765	26.57	34.22	74190	76620	95530	98660	1.20	8.0	15.0	
3	1.486	6	0.746	0.44	0.437	17.25	21.20	86450	87050	106280	107010	1.20	8.0	15.0	
4	1.493	6	0.748	0.44	0.439	17.35	21.12	86970	87160	105870	106110	1.10	8.0	13.8	
5	1.020	5	0.618	0.31	0.300	10.32	12.84	73390	75840	91380	94420	1.20	8.0	15.0	
6	1.056	5	0.628	0.31	0.310	10.62	13.53	75570	75570	96240	96240	1.40	8.0	17.5	
7	0.668	4	0.500	0.20	0.196	6.42	9.43	70820	72270	103980	106100	1.40	8.0	17.5	
8	0.657	4	0.496	0.20	0.193	7.75	9.95	85430	88530	109710	113690	1.30	8.0	16.3	
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**BEND TEST:**

# 8	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	
# 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](http://www.uet-civil.edu.pk)

Sub Divisional officer,  
BSD NNS(Upgradation Of RHC Syedwala From 24 Beds To 74 Beds,Distt NNS)

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

Client Reference: 187/SDO/BSD/NNS

SOM Lab

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**Dated:** 12-08-2022  
**Test:** Tension Test & Bend Test  
**Gauge Length:** 8 inch

**Test Specification:** ASTM-A-615  
**Sample Type:** Deformed Bar

**Ref:** 1/1)  
**Dated:** 29-08-2022

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	2.596	8	0.986	0.79	0.763	19.98	28.61	55780	57750	79880	82710	1.50	8.0	18.8	
2	1.498	6	0.748	0.44	0.440	14.53	19.13	72810	72810	95910	95910	1.00	8.0	12.5	
3	0.666	4	0.500	0.20	0.196	6.85	8.72	75540	77080	96110	98070	0.90	8.0	11.3	
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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	
# 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)

Engr.Zahid Nisar Hashmi  
 Head MP.Shaukat Khanum Memorial Trust.(Const.Of Multi-Storied Parking Garage SKMCH&RC,Lhr)

**Test Performed By:** Dr. /Engr. Rizwan Riaz

**Client Reference:** SKM/PG/UET/08/14

**SOM Lab** 820 (Page-1/1)  
**Ref:**

**Dated:** 29-08-2022  
**Test:** Tension Test & Bend Test  
**Gauge Length:** 8 inch

**Dated:** 29-08-2022  
**Test Specification:** ASTM-A-615  
**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	1.046	5	0.625	0.31	0.307	10.35	14.04	73610	74330	99860	100840	1.30	8.0	16.3	
2	1.026	5	0.620	0.31	0.302	9.99	13.56	71070	72960	96460	99010	1.20	8.0	15.0	
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**Witnessed By:** M.Bilal Khalid (Sr.Civil Engr.(SKMCH&RC))

**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)

Asstt Exec.Engineer-II

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

CC Div Pak P.W.D Gujranwala.(Const Of Building Work In College Mandi Distt Mandibahaudin)

**Client Reference:** AEE-II/CCD/GRW/M.B.Din/31

**SOM Lab** 822 (Page-1/1)

**Dated:** 29-04-2022

**Dated:** 29-08-2022



**Test:** Tension Test & Bend Test  
**Gauge Length:** 8 inch

**Test Specification:** ASTM-A-615  
**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	1.522	6	0.754	0.44	0.447	14.55	20.41	72910	71770	102290	100690	1.20	8.0	15.0	
2	0.655	4	0.494	0.20	0.192	6.85	8.74	75540	78690	96340	100350	0.90	8.0	11.3	
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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)

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

Engr.Rana Muhammad Usman Khan

Const. Manager FESCON Pvt. Ltd. (Fazal Malik & Co).

(Underground Electrification Works Of PFHP Lahore)

**Client Reference:** 026/PAECFHP/EE/22

**Dated:** 26-08-2022

**SOM Lab Ref:** CED/SOM/817(Page-1/1)

**Dated:** 29-08-2022

**Test:** Tension & Bend Test

**Test Specification:** ASTM-F -1554

**Sample Type:** J- Bolts

**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 <sup>2</sup>	kN	kN	MPa	MPa	mm	mm	%	
1	18 (L 450mm)	254.45	120.7	176.2	474.35	692.47	30.0	200	15.0	22.9
2	18 (L 450mm)	254.45	120.9	177.0	475.14	695.61	32.0	200	16.3	14.9
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18mm	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)

