

Engr. Jawad Waseem Khan

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

MS Paidar Builders (Pvt) Ltd. (Const Of TCF Primary School Unit-1 Kot Addu Muzaffargarh)

Client Reference: PBL/UET/2023

SOM Lab 3311 (Page-

Ref: 1/1)

Dated: 02-12-2023

Dated: 07-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Itfaq 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	2.673	8	1.000	0.79	0.786	25.74	34.81	71860	72220	97190	97680	1.50	8.0	18.8	
2	1.486	6	0.746	0.44	0.437	14.60	19.29	73170	73670	96670	97340	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	5.96	8.92	65760	67100	98360	100370	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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

Riaz Costruction Company
Lahore.(New TCF Secondary School, Building in 209 Chak Faisalabad)

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

Client Reference: Nil

SOM Lab 3312 (Page-

Ref: 1/1)

Dated: 07-12-2023

Dated: 07-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Itffaq 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	2.685	8	1.002	0.79	0.789	26.01	35.22	72630	72720	98320	98450	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	14.75	19.39	73940	74790	97180	98300	1.20	8.0	15.0	
3	0.674	4	0.502	0.20	0.198	6.12	9.45	67450	68130	104200	105260	1.10	8.0	13.8	
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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	
# 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

Allied Bank
 Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

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

Client Reference: ABL-UML-AMC-QAQC-50

SOM Lab Ref: 3314 (Page-1/1)

Dated: 05-12-2023

Dated: 07-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Amreli 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	1.051	5	0.627	0.31	0.309	11.64	14.09	82820	83090	100230	100550	1.10	8.0	13.8	
2	1.054	5	0.628	0.31	0.310	11.37	14.07	80860	80860	100080	100080	1.20	8.0	15.0	
3	0.655	4	0.494	0.20	0.192	7.41	8.18	81720	85130	90150	93910	1.10	8.0	13.8	
4	0.661	4	0.497	0.20	0.194	7.44	8.89	82060	84600	98020	101050	1.30	8.0	16.3	
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BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Saad Ur Rehman
Model Town Lahore.

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

Client Reference: Nil

Dated: 07-12-2023

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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1/1)

07-12-2023

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	1.471	6	0.742	0.44	0.432	15.24	20.23	76390	77800	101420	103300	1.10	8.0	13.8	
2	1.442	6	0.735	0.44	0.424	14.42	19.39	72300	75030	97180	100850	1.10	8.0	13.8	
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BEND TEST:

# 6	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

Waqas Ali
Variant Gulberg 2, Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: VA/29/127

SOM Lab Ref: 3317 (Page-1/1)

Dated: 07-12-2023

Dated: 07-12-2023

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	1.445	6	0.736	0.44	0.425	13.73	18.04	68830	71260	90440	93630	1.40	8.0	17.5	
2	1.473	6	0.743	0.44	0.433	14.65	20.49	73430	74610	102700	104360	1.30	8.0	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

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

Raja Muhammad Aqeel
 Astt Dir. Building Section DHA Gujranwala. (Const Of 5 Marla Villas Block-C)

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

Client Reference: 111/3/AD Bldgs/Gen/62

SOM Lab Ref: 3318 (Page-1/2)

Dated: Nov-2023

Dated: 07-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Siraj 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	0.675	4	0.502	0.20	0.198	6.08	8.99	67000	67670	99150	100150	1.40	8.0	17.5	
2	0.673	4	0.502	0.20	0.198	5.93	8.94	65420	66090	98580	99580	1.40	8.0	17.5	
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BEND TEST:

# 4	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

Raja Muhammad Aqeel
 Astt Dir. Building Section DHA Gujranwala. (Const Of 5 Marla Villas Block-C)

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

Client Reference: 111/3/AD Bldgs/Gen/61

SOM Lab Ref: 3318 (Page-2/2)

Dated: Nov-2023

Dated: 07-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Siraj 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	0.659	4	0.497	0.20	0.194	6.07	8.99	66890	68950	99150	102210	1.30	8.0	16.3	
2	0.653	4	0.494	0.20	0.192	5.93	9.02	65420	68150	99480	103630	1.30	8.0	16.3	
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BEND TEST:

# 4	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

Project Manager
United Life Style

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 3319 (Page-1/1)

Dated: 07-12-2023

Dated: 07-12-2023

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	2.615	8	0.989	0.79	0.768	23.50	38.18	65600	67480	106580	109630	1.30	8.0	16.3	
2	2.602	8	0.987	0.79	0.765	23.39	37.94	65310	67450	105920	109380	1.50	8.0	18.8	
3	1.479	6	0.744	0.44	0.435	13.37	21.07	67040	67810	105610	106830	1.40	8.0	17.5	
4	1.480	6	0.744	0.44	0.435	13.43	21.10	67290	68070	105770	106980	1.30	8.0	16.3	
5	0.660	4	0.497	0.20	0.194	6.19	9.14	68230	70340	100830	103950	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	6.37	9.38	70260	71330	103420	104990	1.20	8.0	15.0	
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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

Asif Nadeem Khawar,RE

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

Asian Consulting Engineers.(PRSWSSP Engg Design and Const.Supervision Of Cluster South-I)

Client Reference: AsCE/PRSWSSP/Cs/P-06/2510

SOM Lab 3321 (Page-1/1)
Ref: 1/1)

Dated: 05-12-2023

Dated: 07-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo 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	1.481	6	0.744	0.44	0.435	14.60	18.98	73170	74010	95140	96230	1.40	8.0	17.5	
2	1.487	6	0.746	0.44	0.437	14.75	19.03	73940	74440	95400	96050	1.40	8.0	17.5	
3	0.664	4	0.498	0.20	0.195	6.85	8.84	75540	77480	97460	99960	1.20	8.0	15.0	
4	0.665	4	0.498	0.20	0.195	6.90	8.82	76100	78050	97230	99730	1.20	8.0	15.0	
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BEND TEST:

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

Engr. Muhammad Ashraf Bhatti

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

CM Barqaab Consult.Services (Pvt) Ltd.(500/220/132kV Nokhar S/Station,ADB Loan No.3677-Pak)

Client Reference: 500KV/SS/N-LHR/BQB/177

SOM Lab 3323 (Page-

Ref: 1a/1)

Dated: 04-12-2023

Dated: 02-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF 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	2.643	8	0.995	0.79	0.777	27.42	36.80	76550	77830	102730	104450	1.40	8.0	17.5	
2	2.643	8	0.995	0.79	0.777	27.12	36.44	75700	76970	101740	103440	1.20	8.0	15.0	
3	2.678	8	1.001	0.79	0.787	26.83	36.19	74900	75190	101030	101410	1.40	8.0	17.5	
4	1.471	6	0.742	0.44	0.432	13.83	19.06	69340	70620	95550	97320	1.30	8.0	16.3	
5	1.481	6	0.744	0.44	0.435	14.19	19.52	71130	71940	97850	98970	1.30	8.0	16.3	
6	1.476	6	0.743	0.44	0.434	13.93	19.18	69850	70810	96160	97490	1.30	8.0	16.3	
7	1.497	6	0.748	0.44	0.440	15.26	22.38	76490	76490	112150	112150	1.20	8.0	15.0	
8	1.534	6	0.758	0.44	0.451	15.29	19.88	76640	74780	99640	97210	1.20	8.0	15.0	
9	1.454	6	0.737	0.44	0.427	14.24	19.16	71380	73550	96060	98980	1.30	8.0	16.3	
10	1.471	6	0.742	0.44	0.432	14.19	19.22	71130	72440	96320	98100	1.20	8.0	15.0	

Witnessed By: M. Farhan (Barqaab), Jamshed Ali (NTDC)

BEND TEST:

Sr.# (1-10)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twenty Samples Received and Tested

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

Engr. Muhammad Ashraf Bhatti

Test Performed By:

Dr. /Engr. Asad Ali Gillani

CM Barqaab Consult.Services (Pvt) Ltd.(500/220/132kV Nokhar S/Station,ADB Loan No.3677-Pak)

Client Reference: 500KV/SS/N-LHR/BQB/177

SOM Lab 3323 (Page-

Ref: 1b/1)

Dated: 04-12-2023

Dated: 02-12-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	1.001	5	0.612	0.31	0.294	9.86	12.66	70130	73950	90070	94980	1.30	8.0	16.3	
2	1.004	5	0.613	0.31	0.295	9.88	12.69	70280	73850	90290	94880	1.40	8.0	17.5	
3	0.663	4	0.498	0.20	0.195	68.81	8.74	758740	778190	96340	98810	1.20	8.0	15.0	
4	0.667	4	0.500	0.20	0.196	6.80	8.82	74980	76510	97230	99220	1.30	8.0	16.3	
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Witnessed By: M. Farhan (Barqaab), Jamshed Ali (NTDC)

BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Seven 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

Test Performed by: .S. Asad Ali Gillani

M.Waqas Anwar
Resident Engineer
NESPAK Lahore

(Development of a Controlled Access Corridor Facility from Niazi Interchange to Babu Sabu Interchange, Lahore)

Client Reference No.: 3772/103/NBI(P-I)/MWA/04/86

Dated: 27-11-2023

SOM Lab Ref: CED/SOM/3320 (Page 1/1)

Dated: 07-12-2023

Test Type: Tension Test

Sample Type: Soil Reinforcing Strips

Tension Test Results

Sample No.	Weight (Kg/m)	Width (mm)	Thickness (mm)	Sample Size Tested (mm)	Area (mm ²)	Ultimate Load (kN)	Ultimate Strength (MPa)	Elongation (%)
1 (100kN)	0.318	90.1	4.1	12.9 x 4.1	52.89	14.7	278.0	15
2 (75kN)	0.259	90.0	3.6	17.6 x 3.6	63.36	15.5	244.63	12
3 (50kN)	0.199	90.15	2.45	29.4 x 2.45	72.03	18.7	259.61	14

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

Test Performed by: .Dr Asad Ali Gillani

Ghani
Ghani Glass limited III
Lahore.

Client Reference No.: Nil

Dated: 07-12-2023

SOM Lab Ref: CED/SOM/3322(Page 1/2)

Dated: 07-12-2023

Test Type: Tensile Test

Sample Type: MS Sheets Steel Strip

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Size of strip (mm)	X Section Area (mm ²)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	Elongatio _n (inch)	% Elongatio _n
1 (Guardian Glass)	10.1 x 0.7	7.07	8.0	1131.54	0.1	5.0
2 (Emirates Glass)	10.14 x 0.8	8.08	8.5	1051.98	0.1	5.0
3 (Malaysia)	14.8 x 1.0	14.8	13.7	925.67	0.05	2.5
4 (Sheet)	15.8 x 0.75	11.85	8.0	675.10	0.05	2.5

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 150.0 kgf Scale: C)

Hardness Test Results

Sr #	Marks	Hardness
1	Guardian Glass	HR – 32.0 – C
2	Emirates Glass	HR – 31.66 – C
3	Malaysia	HR – 31.5 – C
4	Sheet	HR – 21.5 – C

Test Performed by: .S. Asad Ali Gillani

Project Manager
Cade Creet's Associates
JV Ms Khawaja Shoukat Ali & co.
Muzaffarabad AJ&K

Client Reference No.: Nil

Dated: 07-12-2023

SOM Lab Ref: CED/SOM/3327 (Page 1/1)

Dated: 07-12-2023

Test Type: Tensile Test

Specification: ASTM A-36

Sample Type: Steel Plate

Gauge Length: 2 inches

Tensile and Bend Test Results

Sr. No.	Size of Steel strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongatio _n	% Elongatio _n
1	28.6 x 12.3	351.78	114.5	161.0	325.48	457.67	0.55	27.5
2	Steel plate strip sample Bend through 180 degrees satisfactorily without any crack							

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

