

Sohail Afzal

Test Performed By:

Dr. /Engr.

Nauman Khurram

Asstt. Genral Manager, Izhar Construction, Construction of Dolmen Shopping Mall DHA Lahore

Client Reference: ICPL/CONST-DML/21/291**Dated:** 22-12-2022**SOM Lab Ref:** CED/SOM/1458 (Page-1/1)**Dated:** 23-12-2022**Test:** Tension Test & Bend Test**Test Specification:** ASTM-A 615**Sample Type:** M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.544	16	15.84	201	197	117.70	148.20	585	598	737	753	32.5	200	16.3	
2	1.563	16	15.92	201	199	120.50	154.00	599	606	766	774	30.0	200	15.0	
3	1.017	12	12.85	113	130	62.50	81.50	553	483	721	629	25.0	200	12.5	
4	1.006	12	12.77	113	128	60.50	75.20	535	473	665	587	25.0	200	12.5	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

Jawad Qayyum Khan,RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Highway Circle Nespak Swl.(Const Of Bypass Royal Hotel To Sarwar Chowk Via Ada MaiWali Masjid)

Client Reference: 4267/Sahiwal/ADP/Flyover/JQ/43

SOM Lab

Ref: 1459 (Page-1/1)

Dated: 19-12-2022

Dated: 23-12-2022

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	1.193	5	0.669	0.31	0.351	11.16	14.73	79410	70140	104800	92550	1.50	8.0	18.8	
2	1.072	5	0.633	0.31	0.315	11.16	14.73	79410	78150	104800	103130	1.40	8.0	17.5	
3	0.673	4	0.502	0.20	0.198	6.07	8.82	66890	67560	97230	98220	1.40	8.0	17.5	
4	0.670	4	0.501	0.20	0.197	6.17	8.89	68010	69050	98020	99510	1.50	8.0	18.8	
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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

Engr. Zohaib Abbas

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

Ittefaq Construction Associates Lahore. (Respected Faizan Liaqat Sb, 330 R-Block, Johar Town Lhr)

Client Reference: Nil

SOM Lab

Ref: 1460 (Page-1/1)

Dated: 23-12-2022

Dated: 23-12-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.559	8	0.979	0.79	0.752	20.08	30.75	56060	58900	85860	90200	2.00	8.0	25.0	
2	1.491	6	0.747	0.44	0.438	14.44	19.01	72400	72730	95290	95730	1.10	8.0	13.8	
3	0.674	4	0.502	0.20	0.198	7.46	9.17	82290	83120	101170	102190	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	
# 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 Ali Murtaza
Lahore.(Const Of International School,Pine Avenue,Lahore)

Test Performed By: Dr. /Engr. Rizwan Riaz

Client Reference: Nil

SOM Lab

Ref: 1461 (Page-1/1)

Dated: 23-12-2022

Dated: 23-12-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.635	8	0.993	0.79	0.774	28.34	35.88	79120	80750	100170	102240	1.50	8.0	18.8	
2	2.632	8	0.992	0.79	0.773	28.21	35.88	78750	80480	100170	102380	1.60	8.0	20.0	
3	1.487	6	0.746	0.44	0.437	16.87	20.76	84560	85140	104080	104800	1.40	8.0	17.5	
4	1.480	6	0.744	0.44	0.435	16.92	20.85	84820	85790	104490	105690	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	6.83	8.43	75320	76080	92960	93900	1.10	8.0	13.8	
6	0.671	4	0.501	0.20	0.197	6.68	8.05	73630	74750	88800	90160	1.10	8.0	13.8	
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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. Faisal Ali Asghar

Test Performed By:

Dr. /Engr.

Waseem Abbass

Director, BAB (SMC PVT) Ltd. Construction of Mixedn Unse Building at Lirberty.

Client Reference: Nil

SOM Lab

Ref:

1462 (Page-1/1)

Dated: 23-12-2022

Dated:

23-12-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.493	6	0.748	0.44	0.439	13.86	18.52	69490	69650	92840	93050	1.50	8.0	18.8	
2	1.489	6	0.747	0.44	0.438	13.73	18.50	68830	69140	92740	93160	1.40	8.0	17.5	
3	0.705	4	0.513	0.20	0.207	6.75	8.56	74420	71900	94420	91230	1.40	8.0	17.5	
4	0.695	4	0.510	0.20	0.204	6.80	8.48	74980	73510	93530	91690	1.30	8.0	16.3	
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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 Zahid Abbas

Test Performed By:

Dr. /Engr. Asad Ali Gillani

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/044

SOM Lab

Ref: 1463 (Page-1/1)

Dated: 23-12-2022

Dated: 23-12-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.673	4	0.502	0.20	0.198	7.03	8.56	77560	78350	94420	95380	1.50	8.0	18.8	
2	0.672	4	0.501	0.20	0.197	6.22	9.19	68570	69620	101390	102940	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

RE,ESS-I-AAR Consultant

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

D.G.Kan.(Const/Rehb/Impro of Metalled Rd in UC`S Tehsil Taunsa,D.G.khan Length 28.65KM)

Client Reference: ADP/2021-22/641

SOM Lab

Ref: 1464 (Page-1/1)

Dated: 18-11-2022

Dated: 23-12-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	1.515	6	0.753	0.44	0.445	15.11	19.93	75720	74870	99890	98770	1.20	8.0	15.0	
2	1.518	6	0.754	0.44	0.446	15.31	20.00	76750	75710	100250	98900	1.10	8.0	13.8	
3	0.672	4	0.501	0.20	0.197	6.54	8.94	72170	73270	98580	100080	1.00	8.0	12.5	
4	0.672	4	0.501	0.20	0.197	6.39	8.94	70480	71560	98580	100080	1.00	8.0	12.5	
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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

Sub Divisional Officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

R/O Sub Drainage Div,Sheikhupura.(Permodelling of Nikki Deg Drain RD Package-I+II)

Client Reference: 326/2w

SOM Lab

Ref:

1465 (Page-1/1)

Dated: 02-11-2022

Dated:

23-12-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	2.664	8	0.998	0.79	0.783	24.79	33.00	69210	69830	92120	92940	1.20	8.0	15.0	
2	2.674	8	1.000	0.79	0.786	24.97	33.23	69720	70080	92770	93250	1.30	8.0	16.3	
3	1.520	6	0.754	0.44	0.447	14.90	19.67	74700	73530	98610	97070	1.30	8.0	16.3	
4	1.518	6	0.754	0.44	0.446	14.98	19.75	75110	74100	98970	97640	1.30	8.0	16.3	
5	1.078	5	0.635	0.31	0.317	10.19	13.66	72520	70920	97180	95030	1.30	8.0	16.3	
6	1.057	5	0.629	0.31	0.311	10.45	14.34	74340	74100	102040	101710	1.20	8.0	15.0	
7	0.674	4	0.502	0.20	0.198	6.44	8.87	71040	71760	97800	98780	1.10	8.0	13.8	
8	0.672	4	0.501	0.20	0.197	6.63	8.99	73070	74180	99150	100660	1.00	8.0	12.5	
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BEND TEST:

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