

Rana Kashif Raza

Test Performed By:

Dr. /Engr.

Irfan UI Hassan

Dy Dir (Maint) NHA, Wazirabad.(Providing/Installation of Street Lights Including Poles)

4967(Page-1/1)

Client Reference: Gen/DD(Maint)/WZD/NHA/2024/1021

SOM Lab Ref:

Dated: 08-10-2024

Dated:

11-10-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.002	12	12.77	113	128	64.00	82.70	566	500	732	647	27.5	200	13.8	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Two Samples Received and Tested</p>

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

Test Performed by: S. Asad Ali Gillani

Rana Kashif Raza
Dy. Director (Maint)
NHA Wazirabad.

(Providing/Installation of Street Lights Including Poles in Lalamusa)

Client Reference No.: Gen/DD(Maint.) WZA/NHA/2024/1020

Dated: 08-10-2024

SOM Lab Ref: CED/SOM/4968 (Page 1/1)

Dated: 11-10-2024

Test Type: Tensile Test & Thickness Test

Specification: ASTM A-36

Sample Type: Base Plate, Electric Pole

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Sample Type	Size of strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	Base Plate	33.0 x 20.0	660.00	223.70	296.20	338.94	448.79	0.70	35.00
2	Electric Pole	19.0 x 5.00	95.00	35.70	48.00	375.79	505.26	0.50	25.00

Thickness Test

Sr. No.	Sample Type	Thickness (mm)
1	Base Plate	20.1
2	Electric Pole	5.0

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

Executive Engineer

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NTDC Faisalabad.(500KV 5/C Ghazi Barotha CCT-II at New 500/132KV G/Station at AIIC)

Client Reference: XEN/EHV/FSD/W-195/2653-54

SOM Lab Ref:

4974 (P-1/1)

Dated: 01-10-2024

Dated:

11-10-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

Sample Type:

Deformed Bar (Markhor 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.728	29	27.69	645	602	279.00	413.20	433	464	641	687	35.0	200	17.5	
2	3.900	25	25.15	491	497	247.00	346.50	503	498	706	698	32.5	200	16.3	
3	2.990	22	22.02	387	381	202.00	278.70	522	531	720	732	35.0	200	17.5	
4	2.194	19	18.87	284	280	137.20	195.00	483	491	687	698	32.5	200	16.3	
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BEND TEST:

29mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
22mm	Sample bend through 180 degrees Satisfactorily without any crack	
19mm	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

Umar Nisar, PE

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

Flag Square Builders Etihad Town Lahore.(Green Edge Project College Road Lahore)

Client Reference: Nil

SOM Lab Ref:

4980 (P-1/1)

Dated: 11-10-2024

Dated:

11-10-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

Sample Type:

Deformed Bar (Naveena 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.864	25	25.03	491	492	252.00	393.70	513	513	802	801	32.5	200	16.3	
2	2.455	20	19.96	314	313	192.00	241.50	611	614	769	773	30.0	200	15.0	
3	1.584	16	16.03	201	202	110.00	155.70	547	546	775	772	30.0	200	15.0	
4	0.891	12	12.02	113	114	69.20	84.00	612	610	743	741	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Eight Samples Received and Tested</p>
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

Waqas Ahmed Ghumman,PM
 High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: QC/HQ/CIVIL/241
SOM Lab Ref: CED/SOM/4973 (Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 11-10-2024
Dated: 11-10-2024
Test Specification: ASTM-A 615
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	2.465	20	20.00	314	314	152.00	211.00	484	485	672	672	37.5	200	18.8	
2	2.433	20	19.87	314	310	155.00	210.00	493	501	668	678	37.5	200	18.8	
3	1.563	16	15.92	201	199	97.00	130.20	482	488	648	654	37.5	200	18.8	
4	1.554	16	15.87	201	198	98.00	131.70	487	496	655	666	35.0	200	17.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	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

Technical Manager
 Shaheen Re-Rolling Steel Industries (Pvt) Ltd. Quetta

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

Client Reference: SRS/2024/424
 SOM Lab Ref: CED/SOM/4987 (Page-1/1)
 Test: Tension Test & Bend Test
 Sample Type: Deformed Bar

Dated: 11-10-2024
 Dated: 11-10-2024
 Test Specification: ASTM-A 615
 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	0.880	12	11.94	113	112	58.50	88.20	517	523	780	788	30.0	200	15.0	
2	0.886	12	11.99	113	113	56.50	86.20	500	501	762	764	32.5	200	16.3	
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BEND TEST:

12mm	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

M. Tariq Shahzad

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Exec Dir-Projects, The Lake City Developers (Pvt) Ltd Lahore.(The Lake City Holding (Pvt) Ltd)

Client Reference: DTLC/Test/AI/057

SOM Lab

Ref: 4969 (Page-1/3)

Dated: 10-10-2024

Dated: 11-10-2024

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	0.662	4	0.498	0.20	0.195	5.58	8.74	61490	63070	96340	98810	1.20	8.0	15.0	AI
2	0.649	4	0.493	0.20	0.191	5.50	8.66	60700	63560	95550	100050	1.30	8.0	16.3	AI
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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

M. Tariq Shahzad

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Exec Dir-Projects, The Lake City Developers (Pvt) Ltd Lahore.(The Lake City Holding (Pvt) Ltd)

Client Reference: DTLC/Test/AI/058

SOM Lab

Ref: 4969 (Page-2/3)

Dated: 10-10-2024

Dated: 11-10-2024

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	1.432	6	0.732	0.44	0.421	12.64	20.03	63360	66220	100400	104930	1.20	8.0	15.0	AI
2	1.477	6	0.743	0.44	0.434	14.17	21.10	71020	72010	105770	107230	1.30	8.0	16.3	AI
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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

M. Tariq Shahzad

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Exec Dir-Projects, The Lake City Developers (Pvt) Ltd Lahore.(The Lake City Holding (Pvt) Ltd)

Client Reference: DTLC/Test/AI/059

SOM Lab

Ref: 4969 (Page-3/3)

Dated: 10-10-2024

Dated: 11-10-2024

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	2.630	8	0.992	0.79	0.773	23.85	39.45	66590	68060	110130	112550	1.20	8.0	15.0	AI
2	2.642	8	0.994	0.79	0.776	23.45	39.25	65460	66640	109560	111540	1.40	8.0	17.5	AI
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BEND TEST:

# 8	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

Junaid Saleem

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Site Engr. Sky Towers Lahore.(Constructing a high rise Building Sky Tower at Hall Road Lahore)

Client Reference: Nil

SOM Lab

Ref: 4970 (Page-1/1)

Dated: 10-10-2024

Dated: 11-10-2024

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	1.476	6	0.743	0.44	0.434	12.95	20.56	64890	65790	103060	104480	1.30	8.0	16.3	
2	1.467	6	0.741	0.44	0.431	13.05	20.66	65400	66770	103570	105730	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

Zaheer Abbas

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

Sr.MC Beaconhouse School System.(Const of Reception Area at Gujranwala Palm Tree Campus)

Client Reference: Nil

SOM Lab

Ref: 4971 (Page-1/1)

Dated: 10-10-2024

Dated: 11-10-2024

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	1.480	6	0.744	0.44	0.435	12.81	20.69	64230	64970	103720	104920	1.30	8.0	16.3	
2	1.487	6	0.746	0.44	0.437	14.58	19.34	73070	73570	96930	97590	1.50	8.0	18.8	
3	0.666	4	0.500	0.20	0.196	6.44	8.46	71040	72490	93300	95200	1.00	8.0	12.5	
4	0.667	4	0.500	0.20	0.196	6.44	8.87	71040	72490	97800	99790	1.10	8.0	13.8	
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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

Director P & D

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

King Edward Medical University Lahore.(Renovation/Imp of Old Auditorium KEMU,Lahore)

Client Reference: P&D/KEMU 840-842

SOM Lab

Ref: 4972 (Page-1/1)

Dated: 10-10-2024

Dated: 11-10-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittefaq 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	1.518	6	0.754	0.44	0.446	16.56	21.17	83030	81910	106130	104700	1.00	8.0	12.5	
2	1.516	6	0.754	0.44	0.446	16.92	21.48	84820	83680	107660	106210	1.00	8.0	12.5	
3	0.660	4	0.497	0.20	0.194	7.00	9.07	77230	79620	100050	103140	1.00	8.0	12.5	
4	0.678	4	0.503	0.20	0.199	6.65	8.87	73290	73660	97800	98290	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

Muhammad Shabbir Sandhu,ME

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK,EPCM Consult Swl. PICIIP (Trunk Main Sewer Lines and Allied Works, Lot-02,03)

Client Reference: 3976/11/MIA/SWL/Lot-02&03/01/436

SOM Lab

Ref:

4976 (Page-1/1)

Dated: 01-10-2024

Dated:

11-10-2024

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	0.656	4	0.496	0.20	0.193	6.80	8.66	74980	77700	95550	99010	1.20	8.0	15.0	
2	0.652	4	0.494	0.20	0.192	6.68	8.56	73630	76700	94420	98360	1.00	8.0	12.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Li Wentao

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CCECC-HCS JV.(Expension of Terminal Building and Allied Facilities at AllAP, Lahore)

Client Reference: CCECCHCSJVIIAP2024-286

SOM Lab

Ref:

4977 (Page-1/1)

Dated: 10-10-2024

Dated:

11-10-2024

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	3.251	9	1.103	1.00	0.955	30.48	42.02	67220	70390	92670	97040	1.50	8.0	18.8	
2	3.249	9	1.103	1.00	0.955	30.33	41.90	66890	70040	92400	96760	1.40	8.0	17.5	
3	1.479	6	0.744	0.44	0.435	15.60	19.78	78180	79080	99130	100260	1.30	8.0	16.3	
4	1.484	6	0.745	0.44	0.436	14.29	18.88	71640	72290	94630	95500	1.50	8.0	18.8	
5	1.041	5	0.624	0.31	0.306	9.94	13.10	70710	71640	93190	94410	1.50	8.0	18.8	
6	1.037	5	0.623	0.31	0.305	10.04	13.12	71440	72610	93340	94870	1.50	8.0	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 9	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	
# 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

Eng Talha Sarwar, RE

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Allied Engg & Services Okara. (Project of Staff Office & S/Residence & R/House) (Ittefaq Building Sol)

Client Reference: Nil

SOM Lab

Ref: 4978 (Page-1/1)

Dated: 11-10-2024

Dated: 11-10-2024

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	2.618	8	0.990	0.79	0.769	24.77	33.46	69160	71040	93400	95950	1.60	8.0	20.0	
2	2.605	8	0.988	0.79	0.766	22.12	31.52	61760	63690	87990	90750	1.70	8.0	21.3	
3	1.522	6	0.754	0.44	0.447	14.48	19.32	72560	71420	96830	95310	1.50	8.0	18.8	
4	1.517	6	0.754	0.44	0.446	14.88	19.85	74600	73600	99480	98140	1.50	8.0	18.8	
5	0.673	4	0.502	0.20	0.198	6.57	8.63	72510	73240	95210	96170	1.00	8.0	12.5	
6	0.666	4	0.500	0.20	0.196	6.52	8.66	71940	73410	95550	97500	1.00	8.0	12.5	
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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

Eng Talha Sarwar, RE

Test Performed By:

Dr. /Engr. Irfan Ul Hassan

Allied Engg & Services Okara.(Storage Silos for Corn &Ware House for Rice)(Ghani Const Comp)

Client Reference: Nil

SOM Lab

Ref: 4979 (Page-1/1)

Dated: 11-10-2024

Dated: 11-10-2024

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	2.661	8	0.998	0.79	0.782	26.71	33.91	74560	75320	94680	95650	1.30	8.0	16.3	
2	2.641	8	0.994	0.79	0.776	26.81	32.90	74850	76200	91840	93490	1.30	8.0	16.3	
3	1.539	6	0.759	0.44	0.452	16.31	24.41	81750	79580	122370	119120	1.10	8.0	13.8	
4	1.520	6	0.754	0.44	0.447	15.70	23.55	78690	77460	118030	116180	1.00	8.0	12.5	
5	0.668	4	0.500	0.20	0.196	6.52	9.19	71940	73410	101390	103460	1.00	8.0	12.5	
6	0.671	4	0.501	0.20	0.197	7.05	9.04	77790	78970	99710	101230	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

Nasir Mahmood, CM
Elite Engineering (Pvt) Ltd.(Project: Sitara 3 JAYS Tower)

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Client Reference: EEPL/08/EL-12

SOM Lab

Ref: 4981 (Page-1/1)

Dated: 11-10-2024

Dated: 11-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Markhor 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	2.604	8	0.987	0.79	0.765	24.33	35.93	67930	70150	100320	103590	1.50	8.0	18.8	
2	2.616	8	0.990	0.79	0.769	24.36	35.88	68020	69870	100170	102910	1.40	8.0	17.5	
3	1.509	6	0.751	0.44	0.443	14.58	20.13	73070	72570	100910	100230	1.30	8.0	16.3	
4	1.509	6	0.751	0.44	0.443	14.56	20.08	72970	72470	100660	99980	1.10	8.0	13.8	
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BEND TEST:

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

Asim Mushtaq

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

GM Factory Master Offisys (Pvt) Ltd. Lahore.(Sample # 26824-8)

Client Reference: PEMH05-003

SOM Lab

Ref:

4982 (Page-1/1)

Dated: 10-10-2024

Dated:

11-10-2024

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	1.518	6	0.754	0.44	0.446	15.80	19.49	79200	78130	97690	96380	1.30	8.0	16.3	
2	1.510	6	0.752	0.44	0.444	15.77	19.49	79050	78330	97690	96810	1.20	8.0	15.0	
3	1.038	5	0.623	0.31	0.305	10.47	12.30	74480	75700	87540	88970	1.00	8.0	12.5	
4	1.040	5	0.624	0.31	0.306	10.83	12.56	77020	78030	89350	90520	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
# 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

Syed Suleman Haidar

Test Performed By: Dr. /Engr. Irfan Ul Hassan

RE AZEA Narowal.(Widening/Imp Of Road From Sialkot Cantt To Jassar Garrison Distt Narowal)

Client Reference: AZ/RE/SNR/165

SOM Lab

Ref: 4983 (Page-1/1)

Dated: 23-09-2024

Dated: 11-10-2024

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	0.562	4	0.458	0.20	0.165	4.69	6.70	51710	62680	73850	89520	1.10	8.0	13.8	
2	0.563	4	0.458	0.20	0.165	4.66	6.83	51370	62270	75320	91290	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

FIDA Construction Company
Sunder Road Near New Lahore City Gate # 2.

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Client Reference: Nil

SOM Lab

Ref: 4984 (Page-1/1)

Dated: 10-11-2024

Dated: 11-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.630	8	0.992	0.79	0.773	27.83	36.80	77690	79400	102730	104990	1.00	8.0	12.5	
2	1.522	6	0.754	0.44	0.447	16.92	21.17	84820	83490	106130	104460	1.10	8.0	13.8	
3	0.671	4	0.501	0.20	0.197	5.58	7.82	61490	62430	86220	87530	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

BSD No.I Faisalabad.(Const Of Addional Block & Improvement/Renovation in Circuit House Fsd)

Client Reference: 4750 B-3

SOM Lab

Ref: 4985 (Page-1/1)

Dated: 16-09-2024

Dated: 11-10-2024

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	2.661	8	0.998	0.79	0.782	22.31	34.42	62300	62930	96100	97090	1.40	8.0	17.5	
2	1.504	6	0.750	0.44	0.442	14.16	19.01	70970	70650	95290	94860	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	6.37	8.99	70260	71330	99150	100660	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

S.K Farmhouse

Test Performed By:

Dr. /Engr. Irfan Ul Hassan

Procurement Manager S.K Farmhouse Near Jhumra Flyover Faisalabad.

Client Reference: /004

SOM Lab

Ref: 4986 (Page-1/1)

Dated: 11-10-2024

Dated: 11-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Hunza 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	2.657	8	0.997	0.79	0.781	24.36	33.23	68020	68800	92770	93840	1.50	8.0	18.8	
2	1.447	6	0.736	0.44	0.425	13.15	18.09	65910	68240	90690	93900	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	7.75	8.92	85430	86730	98360	99860	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

