Muhammad Ehtsham **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Planning And Coordination Engr, Ittefaq Building Solution (Pvt) Ltd Lahore.

Client Reference: Nil **Dated:** 22-06-2022

SOM Lab Ref: CED/SOM/527(Page-1/1) **Dated:** 22-06-2022

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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.877	25	25.08	491	494	242.50	324.00	494	491	660	656	22.5	200	11.3	
2	2.464	20	19.99	314	314	139.50	204.70	444	445	652	653	35.0	200	17.5	
3	1.537	16	15.79	201	196	96.50	136.20	480	493	677	696	30.0	200	15.0	
4	1.008	12	12.79	113	128	58.70	84.20	519	458	744	656	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
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:-

Only Eight Samples Received and Tested

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

Premier Developer & Builders **Test Performed By:** **Dr. /Engr.** Nauman Khurram
Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/019 **SOM Lab Ref:** 522 (Page-1/1)
Dated: 20-06-2022 **Dated:** 22-06-2022
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	2.600	8	0.986	0.79	0.764	23.45	32.33	65460	67680	90270	93340	1.80	8.0	22.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Nauman Khurram

BSD No.2,Lahore.(Development Cultural Tourism Village & Allied Facities At Harbanpura,Lhr)

Client Reference: 1163 2nd **SOM Lab Ref:** 523 (Page-1/1)

Dated: 17-06-2022 **Dated:** 22-06-2022

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	0.677	4	0.503	0.20	0.199	4.89	6.95	53960	54230	76660	77050	1.30	8.0	16.3	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

Muhammad Irfan
Project Engr. DHA Gujranwala.(Sector C)

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: 111/15/PE/RS/Pkg-2A/425
Dated: 20-06-2022

SOM Lab Ref: 524 (Page-1/1)
Dated: 22-06-2022

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

Test Specification: ASTM-A-615
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	3.251	9	1.103	1.00	0.955	31.01	41.56	68390	71610	91660	95980	1.40	8.0	17.5	
2	3.251	9	1.103	1.00	0.955	31.09	41.49	68570	71800	91500	95810	1.40	8.0	17.5	
3	2.687	8	1.003	0.79	0.790	25.38	33.25	70860	70860	92830	92830	1.50	8.0	18.8	
4	2.639	8	0.994	0.79	0.776	24.92	32.47	69580	70840	90640	92280	1.40	8.0	17.5	
5	1.506	6	0.751	0.44	0.443	14.88	19.69	74600	74100	98720	98050	1.20	8.0	15.0	
6	1.510	6	0.752	0.44	0.444	14.85	19.59	74450	73780	98210	97320	1.30	8.0	16.3	
7	0.667	4	0.500	0.20	0.196	6.75	8.72	74420	75940	96110	98070	1.10	8.0	13.8	
8	0.667	4	0.500	0.20	0.196	6.73	8.69	74190	75710	95770	97730	1.10	8.0	13.8	
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BEND TEST:

# 9	Sample bend through 180 degrees Satisfactorily without any crack
# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Husnain Kareemain
Lahore.(Beacon House School Sargodha Campus)

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: Nil
Dated: 22-06-2022

SOM Lab Ref: 525 (Page-1/1)
Dated: 22-06-2022

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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.688	8	1.003	0.79	0.790	23.06	38.20	64370	64370	106630	106630	1.40	8.0	17.5	
2	1.492	6	0.747	0.44	0.438	12.51	20.03	62700	62980	100400	100860	1.50	8.0	18.8	
3	0.638	4	0.488	0.20	0.187	6.17	9.60	68010	72740	105890	113250	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Ravians Construction Services **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Sr. Project Manager Ravians Construction (Pvt.) Ltd (Const Of Fantasy Plaza,Dream Garden,Lahore)

SOM Lab Ref: 526 (Page-1/1)

Client Reference: Nil **Dated:** 22-06-2022

Dated: 22-06-2022

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	1.506	6	0.751	0.44	0.443	12.84	19.11	64380	63950	95800	95160	1.50	8.0	18.8	
2	1.509	6	0.751	0.44	0.443	13.20	19.13	66170	65720	95910	95260	1.40	8.0	17.5	
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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

Manohar Lal **Test Performed By:** **Dr. /Engr.** Nauman Khurram

RE Nespak.(Const Of Service More Flyover to Connect With Industrial Area-II Gujrat Link Rd Gujrat)

Client Reference: 103/GF/ML/Lab/07 **SOM Lab Ref:** 528 (Page-1/1)

Dated: 14-06-2022 **Dated:** 22-06-2022

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	0.663	4	0.498	0.20	0.195	7.16	8.82	78910	80940	97230	99730	1.20	8.0	15.0	
2	0.661	4	0.497	0.20	0.194	7.21	8.92	79470	81930	98360	101400	1.20	8.0	15.0	
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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

Muhammad Usman Lt Com PN **Test Performed By:** **Dr. /Engr.** Nauman Khurram
Garrison Engr.(Navy) Lhr.(Const Of Sports Complex Ar PNWC,Const Of Children School,Walton Lhr)

SOM Lab Ref: 529 (Page-1/1)

Client Reference: 6024/24/24/E-6
Dated: 20-06-2022

Dated: 22-06-2022

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	2.683	8	1.002	0.79	0.788	23.34	32.67	65170	65340	91210	91440	1.30	8.0	16.3	
2	2.702	8	1.005	0.79	0.794	23.50	32.74	65600	65270	91410	90950	1.40	8.0	17.5	
3	1.065	5	0.631	0.31	0.313	9.30	12.90	66140	65510	91740	90860	1.40	8.0	17.5	
4	1.060	5	0.630	0.31	0.312	9.33	12.84	66360	65930	91380	90790	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Shakeel Ahmad **Test Performed By:** **Dr. /Engr.** Nauman Khurram

ME TGC Builders.(Project: The Grand Central Mall, TGC, Faisalabad)

Client Reference: ME/TGC/Faisalabad **SOM Lab Ref:** 530 (Page-1/1)

Dated: 22-06-2022 **Dated:** 22-06-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Ittehad 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	2.701	8	1.005	0.79	0.794	25.45	33.84	71060	70700	94480	94010	1.50	8.0	18.8	
2	2.678	8	1.001	0.79	0.787	25.69	34.25	71720	71990	95620	95980	1.40	8.0	17.5	
3	1.483	6	0.745	0.44	0.436	14.39	19.08	72150	72810	95650	96530	1.10	8.0	13.8	
4	1.477	6	0.743	0.44	0.434	14.98	19.42	75110	76150	97340	98680	1.10	8.0	13.8	
5	1.102	5	0.642	0.31	0.324	10.04	13.05	71440	68350	92830	88820	1.40	8.0	17.5	
6	1.100	5	0.641	0.31	0.323	10.09	13.27	71800	68910	94420	90620	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Bilal Suhail Memon (FL) **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Assistant Dir Fazaia Housing Scheme Lhr.(Water Course Culvert At Commercial Area FHS Lahore)

Client Reference: FHSL/5711/1/Org **SOM Lab Ref:** 531 (Page-1/1)

Dated: 22-06-2022 **Dated:** 22-06-2022

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	1.588	6	0.771	0.44	0.467	12.18	18.81	61060	57530	94270	88820	1.40	8.0	17.5	
2	1.509	6	0.751	0.44	0.443	11.11	17.96	55700	55320	90030	89420	1.30	8.0	16.3	
3	0.537	4	0.449	0.20	0.158	3.57	5.37	39350	49800	59240	74990	1.00	8.0	12.5	
4	0.543	4	0.451	0.20	0.160	3.62	5.56	39910	49880	61270	76580	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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