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

M.E AS Enterprises (Project: Style Textile Manga,Knitting Building ,Yarn Store Acro)

Client Reference: STR/ASE/03 **Dated:** 03-10-2022

SOM Lab Ref: CED/SOM/1019(Page-1/1) **Dated:** 03-10-2022

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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.771	25	24.72	491	480	264.70	352.20	539	552	717	734	37.5	200	18.8	
2	3.891	25	25.12	491	496	270.50	357.20	551	546	728	721	30.0	200	15.0	
3	1.608	16	16.15	201	205	124.70	152.00	620	609	756	743	20.0	200	10.0	
4	1.591	16	16.06	201	203	120.70	148.50	600	596	739	733	20.0	200	10.0	
5	0.893	12	12.04	113	114	63.00	75.50	557	554	668	664	22.5	200	11.3	
6	0.901	12	12.09	113	115	62.00	74.50	548	541	659	650	22.5	200	11.3	
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BEND TEST:

25mm	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 Nine Samples Received and Tested

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

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

ME DHA Multan.(Const of flag Ploes at Sport Complex and DHA Villas)

Client Reference: 701/92/Planning/DHA **SOM Lab Ref:** 1010 (Page-1/1)

Dated: 30-09-2022 **Dated:** 03-10-2022

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	2.600	8	0.986	0.79	0.764	27.68	34.05	77270	79890	95050	98290	1.20	8.0	15.0	Mughal
2	2.608	8	0.988	0.79	0.766	27.34	33.66	76330	78720	93970	96910	1.10	8.0	13.8	Mughal
3	1.076	5	0.634	0.31	0.316	11.85	14.44	84270	82670	102760	100810	1.00	8.0	12.5	FF
4	1.073	5	0.633	0.31	0.315	10.77	14.04	76660	75440	99860	98280	1.10	8.0	13.8	FF
5	0.671	4	0.501	0.20	0.197	7.85	10.04	86560	87870	110720	112410	0.90	8.0	11.3	Mughal
6	0.672	4	0.501	0.20	0.197	7.08	8.92	78130	79320	98360	99860	1.00	8.0	12.5	Mughal
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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
# 4	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

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

Sr. MC Dream Builders.(Const.Of Apartments Building At 32-P Model Town Ext,Lahore)

Client Reference: DB/CONST-32P/22/1003 **SOM Lab Ref:** 1011 (Page-1/1)

Dated: 03-10-2022 **Dated:** 03-10-2022

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	2.649	8	0.995	0.79	0.778	27.75	35.49	77460	78660	99090	100620	1.40	8.0	17.5	
2	2.649	8	0.995	0.79	0.778	27.22	35.49	75980	77160	99090	100620	1.30	8.0	16.3	
3	1.504	6	0.750	0.44	0.442	16.38	20.90	82110	81740	104750	104270	1.20	8.0	15.0	
4	1.501	6	0.749	0.44	0.441	16.41	20.92	82260	82080	104850	104610	1.10	8.0	13.8	
5	0.658	4	0.496	0.20	0.193	6.60	8.72	72730	75370	96110	99600	1.10	8.0	13.8	
6	0.702	4	0.512	0.20	0.206	8.28	9.94	91280	88620	109600	106410	0.90	8.0	11.3	
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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
# 4	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

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

Project Dir, IDAP.(Pilot Program For Hub And Spoke Model At Zahir Pir Rahim Yar Khan)

Client Reference: PD/ZP/IDAP/SO/2022/034 **SOM Lab Ref:** 1012 (Page-1/1)

Dated: 02-09-2022 **Dated:** 03-10-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FFSteel)

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	0.685	4	0.506	0.20	0.201	6.63	8.97	73070	72700	98920	98430	1.20	8.0	15.0	
2	0.687	4	0.507	0.20	0.202	6.65	8.97	73290	72570	98920	97940	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

Atif Ali Awan,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

ECSP CM Lhr.(Infra Dev And Const Of Affordable Housing Unit at Chak 48NB,The,Distt Sargodha)

Client Reference: ECSP/RE/SG/60 **SOM Lab Ref:** 1013 (Page-1/1)

Dated: 26-09-2022 **Dated:** 03-10-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mehboob Super)

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	1.527	6	0.756	0.44	0.449	15.55	20.76	77920	76360	104080	102000	1.00	8.0	12.5	
2	1.538	6	0.759	0.44	0.452	15.49	21.02	77670	75600	105360	102560	1.20	8.0	15.0	
3	0.661	4	0.497	0.20	0.194	6.95	8.79	76660	79040	96900	99890	0.80	8.0	10.0	
4	0.664	4	0.498	0.20	0.195	7.05	8.87	77790	79780	97800	100300	0.80	8.0	10.0	
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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

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

Project Manager MS Tower, G4, Lahore (Const of MS Tower At Plot 450,451 Johar Town Lahore)

Client Reference: MST/BCC/UET/2022/S-013 **SOM Lab Ref:** 1014 (Page-1/1)

Dated: 01-10-2022 **Dated:** 03-10-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (SJ 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	15.65	20.51	78430	77380	102800	101420	1.00	8.0	12.5	
2	1.497	6	0.748	0.44	0.440	15.36	20.41	77000	77000	102290	102290	1.00	8.0	12.5	
3	0.640	4	0.489	0.20	0.188	6.57	8.56	72510	77130	94420	100450	1.00	8.0	12.5	
4	0.642	4	0.491	0.20	0.189	6.63	8.69	73070	77320	95770	101350	1.00	8.0	12.5	
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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

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

G.M Engg.Mughal Pakistan (Pvt) Ltd.(Construction Of Serena Hotel,Hunza)

Client Reference: 786/MPL-0075/031006/2022 **SOM Lab Ref:** 1015 (Page-1/1)

Dated: 03-10-2022 **Dated:** 03-10-2022

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	1.046	5	0.625	0.31	0.307	10.86	13.97	77240	77990	99360	100330	1.20	8.0	15.0	
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BEND TEST:

# 5	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

Asif Pervaiz Butt
RE Ritz Developers Pvt. Ltd.

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

Client Reference: Nil
Dated: 03-10-2022

SOM Lab Ref: 1016 (Page-1/1)
Dated: 03-10-2022

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

Test Specification: ASTM-A-615
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	2.576	8	0.982	0.79	0.757	21.97	29.15	61330	64000	81390	84940	1.40	8.0	17.5	
2	2.567	8	0.980	0.79	0.754	21.73	28.85	60670	63570	80540	84380	1.60	8.0	20.0	
3	2.613	8	0.989	0.79	0.768	24.16	32.33	67450	69380	90270	92860	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Fayyaz Khan
Lahore.

Test Performed By: **Dr. /Engr.** Mazhar Saleem

Client Reference: Nil
Dated: 03-10-2022

SOM Lab Ref: 1017 (Page-1/1)
Dated: 03-10-2022

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	0.540	4	0.450	0.20	0.159	3.92	5.83	43280	54440	64300	80880	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only One Sample Received and Tested

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

Engr. 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/029 **SOM Lab Ref:** 1018 (Page-1/1)

Dated: 03-10-2022 **Dated:** 03-10-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (SJ 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	1.522	6	0.754	0.44	0.447	14.75	19.93	73940	72780	99890	98330	1.30	8.0	16.3	
2	1.524	6	0.755	0.44	0.448	14.78	19.98	74090	72770	100150	98360	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	6.60	8.35	72730	74210	92060	93940	1.00	8.0	12.5	
4	0.648	4	0.492	0.20	0.190	6.65	8.38	73290	77150	92400	97260	1.00	8.0	12.5	
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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