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

Housing Scheme Manager QA/QC Mandi Bahauddin.(A Project Of BSM Dev)

Client Reference: NMC/MBD/17 **SOM Lab Ref:** 1984 (Page-1/1)

Dated: 21-03-2023 **Dated:** 27-03-2023

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	2.631	8	0.992	0.79	0.773	27.85	35.95	77750	79460	100370	102580	1.50	8.0	18.8	
2	2.630	8	0.992	0.79	0.773	28.29	34.91	78970	80710	97470	99610	1.40	8.0	17.5	
3	0.658	4	0.496	0.20	0.193	6.80	8.07	74980	77700	89030	92260	1.30	8.0	16.3	
4	0.671	4	0.501	0.20	0.197	6.75	8.53	74420	75550	94090	95520	1.00	8.0	12.5	
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BEND TEST:

# 8	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

Executive Engineer EHV (Civil) **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NTDC Lhr.(Const Of B/Wall,Main Gate,Watch Towers,P/Path,Sec/Barracks Recp/Office at PIEDMC)

Client Reference: 442-44/XEN/EHV/WB-80 **SOM Lab Ref:** 1985 (Page-1/1)

Dated: 16-03-2023 **Dated:** 27-03-2023

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	1.504	6	0.750	0.44	0.442	14.73	19.22	73830	73500	96320	95880	1.30	8.0	16.3	
2	1.511	6	0.752	0.44	0.444	15.04	19.42	75370	74690	97340	96460	1.50	8.0	18.8	
3	0.672	4	0.501	0.20	0.197	6.29	8.94	69360	70410	98580	100080	1.50	8.0	18.8	
4	0.671	4	0.501	0.20	0.197	6.34	8.89	69920	70990	98020	99510	1.30	8.0	16.3	
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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

Khurram Shahzad
S. E(Civil), SWP PAEC,WASO,D.G Khan.

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

Client Reference: SWP/W(2487)/21
Dated: 22-03-2023

SOM Lab Ref: 1986 (Page-1/1)
Dated: 27-03-2023

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	0.683	4	0.506	0.20	0.201	6.57	8.66	72510	72150	95550	95070	1.30	8.0	16.3	
2	0.673	4	0.502	0.20	0.198	6.34	8.48	69920	70630	93530	94470	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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector C)

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

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1224
Dated: 08-03-2023

SOM Lab Ref: 1987 (Page-1/2)
Dated: 27-03-2023

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Nomee 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	2.597	8	0.986	0.79	0.763	24.60	32.50	68670	71100	90730	93940	1.40	8.0	17.5	
2	2.582	8	0.983	0.79	0.759	23.20	31.40	64770	67420	87650	91230	1.30	8.0	16.3	
3	1.459	6	0.739	0.44	0.429	12.19	19.00	61110	62680	95240	97680	1.40	8.0	17.5	
4	1.455	6	0.738	0.44	0.428	12.10	19.00	60650	62350	95240	97910	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	5.60	8.50	61720	62650	93750	95180	1.20	8.0	15.0	
6	0.673	4	0.502	0.20	0.198	5.50	8.50	60700	61320	93750	94700	1.10	8.0	13.8	
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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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector C)

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

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1225
Dated: 24-03-2023

SOM Lab Ref: 1987 (Page-2/2)
Dated: 27-03-2023

Test: Tension Test & Bend Test
Test Specification: ASTM-A-615
Gauge Length: 8 inch
Sample Type: Deformed Bar (Nomee 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	0.671	4	0.501	0.20	0.197	5.70	8.49	62840	63800	93640	95060	1.30	8.0	16.3	
2	0.672	4	0.501	0.20	0.197	5.70	8.59	62840	63800	94760	96200	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

Sub Divisional officer,
BSD Bhera.(Const Of PHP Post & Mobile School at Beer Baran Tehsil Bhera)

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

Client Reference: 230/Bhera
Dated: 20-03-2023

SOM Lab Ref: 1988 (Page-1/1)
Dated: 27-03-2023

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	1.543	6	0.759	0.44	0.453	14.70	19.72	73680	71570	98870	96030	1.10	8.0	13.8	
2	1.552	6	0.762	0.44	0.456	14.95	19.98	74960	72330	100150	96630	1.20	8.0	15.0	
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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

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

RE Orbit Housing.Lahore.(The Springs Apartment Homes)

SOM Lab Ref: 1990 (Page-1/1)

Client Reference: Nil **Dated:** 27-03-2023

Dated: 27-03-2023

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	2.686	8	1.002	0.79	0.789	26.30	35.49	73420	73520	99090	99220	1.40	8.0	17.5	
2	2.665	8	0.998	0.79	0.783	26.10	35.10	72850	73510	97980	98860	1.50	8.0	18.8	
3	1.450	6	0.736	0.44	0.426	14.00	20.40	70160	72460	102240	105600	1.10	8.0	13.8	
4	1.439	6	0.734	0.44	0.423	14.10	20.40	70670	73510	102240	106350	1.10	8.0	13.8	
5	0.672	4	0.501	0.20	0.197	7.09	9.50	78240	79430	104770	106360	1.10	8.0	13.8	
6	0.672	4	0.501	0.20	0.197	7.30	9.30	80490	81710	102520	104080	1.10	8.0	13.8	
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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

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

MEDEQUIPS (Pvt) Ltd. Lahore.(MRI Building Distt Head Quarter (DHQ) Sahiwal)

Client Reference: Nil **SOM Lab Ref:** 1991 (Page-1/1)

Dated: 27-03-2023 **Dated:** 27-03-2023

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	0.673	4	0.502	0.20	0.198	7.29	8.26	80370	81190	91050	91970	1.00	8.0	12.5	
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BEND TEST:

# 4	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

City Builders
Lahore. (Prime Steel Re-Rolling Mill,Sheikhupura)

Test Performed By: **Dr. /Engr.** Rizwan Riaz

Client Reference: Nil
Dated: 27-03-2023

SOM Lab Ref: 1992 (Page-1/1)
Dated: 27-03-2023

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	2.676	8	1.000	0.79	0.786	21.19	32.60	59170	59470	91010	91470	1.00	8.0	12.5	
2	1.526	6	0.755	0.44	0.448	13.00	21.90	65150	63990	109750	107790	1.70	8.0	21.3	
3	0.646	4	0.492	0.20	0.190	6.60	8.50	72730	76560	93750	98680	0.90	8.0	11.3	
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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

Mascon Associates Pvt.Ltd **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

RE (Civil) Jv HA Consulting .(Estb Od Model Bazaar Head Office Building)

Client Reference: MAC-HAC/23/PMBMC/LT/037 **SOM Lab Ref:** 1993 (Page-1/1)

Dated: 27-03-2023 **Dated:** 27-03-2023

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (PSC 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	0.672	4	0.501	0.20	0.197	4.25	6.32	46880	47590	69700	70760	1.20	8.0	15.0	
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BEND TEST:

# 4	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

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

Kamran Tahir Sandhu

ME (Planning Branch) DHA Multan.

(Electrical Infrastructure Development Sector V,T and N (M/S FESCON)

Client Reference: 701/92/Planning/DHA **Dated:** 27-03-2023

SOM Lab Ref: CED/SOM/1989(Page-1/1) **Dated:** 27-03-2023

Test: Tension Test **Test Specification:** ASTM-F -1554

Sample Type: Anchor- Bolt (J-Shaped) **Gauge Length:** 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm^2	kN	kN	MPa	MPa	mm	mm	%	
1	25 (L 910mm)	491	195.00	286.20	397	583	45.0	200	25.0	20.4
2	25 (L 910mm)	491	179.20	277.70	365	566	45.0	200	26.3	24.0
3	25 (L 910mm)	491	194.00	295.20	395	601	35.0	200	22.5	19.2

Note:-

Only Three Samples Received and Tested

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