

Mir Yaqoob Khan Barakzai

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

RE PMCSC-KPCIP-Kohat.(Const Of Sewerage system Including New Sewerage Treatment Plant)

Client Reference: KPCIP/PMCSC/CW-03/LOT-1/189

Dated : 15-07-2023

SOM Lab Ref: CED/SOM/2568(Page-1/1)

Dated : 17-07-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

Gauge Length: 200 m

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	m	%	
1	0.899	12	12.10	113	115	52.00	78.70	460	453	696	685	30.0	200	15.0	
2	0.898	12	12.07	113	114	54.00	79.50	477	472	703	695	30.0	200	15.0	
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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

Sheikhoo Steel Test Performed By: Dr./Engr. Irfan UI Hassan
 Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil Dated : 14-07-2023

SOM Lab Ref: CED/SOM/2570(Page-1b/1) Dated : 17-07-2023

Test: Tension Test & Bend Test Test Specification: ASTM-A 615
 Sample Deformed Bar (Sheikhoo Steel) Gauge Length: 200 m
 Type: Steel m

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	m	%	
1	3.822	25	24.90	491	487	238.50	325.00	486	490	662	668	35.0	200	17.5	
2	3.812	25	24.87	491	486	242.00	329.20	493	499	671	678	37.5	200	18.8	
3	3.830	25	24.93	491	488	233.70	327.00	476	479	666	671	37.5	200	18.8	
4	3.821	25	24.90	491	487	236.00	332.70	481	485	678	684	32.5	200	16.3	
5	3.807	25	24.85	491	485	234.20	327.00	477	483	666	675	32.5	200	16.3	
6	3.806	25	24.85	491	485	228.20	327.00	465	471	666	675	35.0	200	17.5	
7	3.850	25	24.99	491	490	231.00	326.50	471	471	665	666	37.5	200	18.8	
8	3.830	25	24.92	491	488	233.50	328.00	476	479	668	673	32.5	200	16.3	
9	3.814	25	24.87	491	486	235.00	327.50	479	484	667	675	32.5	200	16.3	
10	3.817	25	24.88	491	486	234.50	332.00	478	483	676	683	35.0	200	17.5	

BEND TEST:

--	No Bend test performed	Note:- Only Ten Samples Received and Tested

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

Zafar Iqbal

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

PM United LifeStyle Pvt. Ltd.(Sky Scrapers By United at Johar Town Lahore)

Client Reference: ULS/2021-22-23/041

SOM Lab

Ref: 2569 (Page-1/1)

Dated: 17-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.611	8	0.988	0.79	0.767	28.21	35.55	78750	81110	99230	102210	1.40	8.0	17.5	
2	2.620	8	0.990	0.79	0.770	28.00	35.44	78180	80210	98950	101520	1.30	8.0	16.3	
3	1.477	6	0.743	0.44	0.434	13.63	18.42	68320	69260	92330	93610	1.40	8.0	17.5	
4	1.482	6	0.745	0.44	0.436	13.88	18.62	69590	70230	93350	94210	1.40	8.0	17.5	
5	0.670	4	0.501	0.20	0.197	6.42	8.79	70820	71900	96900	98370	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	6.49	8.77	71610	72700	96670	98140	1.30	8.0	16.3	
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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

Sheikhoo Steel

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

Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

SOM Lab

Ref: 2570 (Page-1a/1)

Dated: 14-07-2023

Dated: 17-07-2023

Test: Tension Test Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.656	8	0.997	0.79	0.781	25.08	34.81	70010	70820	97190	98300	1.40	8.00	17.5	
2	2.659	8	0.997	0.79	0.781	25.03	34.58	69870	70670	96530	97640	1.50	8.00	18.8	
3	2.661	8	0.998	0.79	0.782	24.57	33.74	68590	69290	94200	95160	1.40	8.00	17.5	
4	2.638	8	0.993	0.79	0.775	24.67	35.07	68870	70200	97900	99790	1.40	8.00	17.5	
5	2.637	8	0.993	0.79	0.775	25.71	34.68	71770	73160	96820	98690	1.30	8.00	16.3	
6	2.621	8	0.990	0.79	0.770	23.96	34.10	66880	68620	95190	97670	1.30	8.00	16.3	
7	2.647	8	0.995	0.79	0.778	24.72	34.40	69010	70080	96050	97530	1.40	8.00	17.5	
8	2.620	8	0.990	0.79	0.770	24.46	34.20	68300	70080	95480	97960	1.50	8.00	18.8	
9	2.631	8	0.992	0.79	0.773	24.64	34.35	68790	70300	95900	98010	1.40	8.00	17.5	
10	2.659	8	0.997	0.79	0.781	26.78	35.88	74760	75620	100170	101330	1.40	8.00	17.5	

BEND TEST:

--	No Bend test performed	Note:- Only Ten Samples Received and Tested

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

Muhammad Hamza Inam
Dir Hamza Enterprises Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2571 (Page-1/1)

Dated: 17-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 h

Sample Type:

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	1.517	6	0.754	0.444	0.446	16.23	19.44	81340	80250	97440	96130	1.30	8.00	16.3	
2	1.515	6	0.753	0.444	0.445	16.13	19.37	80830	79930	97080	95990	1.40	8.00	17.5	
3	0.607	4	0.476	0.200	0.178	6.39	7.49	70480	79190	82620	92830	1.50	8.00	18.8	
4	0.607	4	0.476	0.200	0.178	6.49	7.46	71610	80460	82290	92450	1.40	8.00	17.5	
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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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(OHWT Executive Block)

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

Client Reference: 111/15/AD/RS/Lab/OHWT-EB/06

SOM Lab

Ref: 2572 (Page-1/1)

Dated: 14-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Siraj 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	2.665	8	0.998	0.79	0.783	21.10	34.17	58910	59440	95390	96250	1.40	8.0	17.5	
2	2.661	8	0.998	0.79	0.782	21.25	34.27	59340	59940	95680	96660	1.60	8.0	20.0	
3	1.528	6	0.756	0.44	0.449	13.25	20.59	66430	65090	103210	101140	1.50	8.0	18.8	
4	1.523	6	0.755	0.44	0.448	13.20	21.10	66170	64990	105770	103880	1.40	8.0	17.5	
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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	

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

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

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

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1493

SOM Lab

Ref: 2573 (Page-1/2)

Dated: 10-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Siraj 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	0.674	4	0.502	0.20	0.198	6.27	9.09	69130	69830	100270	101280	1.40	8.0	17.5	
2	0.672	4	0.501	0.20	0.197	6.83	8.89	75320	76460	98020	99510	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

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

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

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1506

SOM Lab

Ref: 2573 (Page-2/2)

Dated: 14-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Siraj 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	0.670	4	0.501	0.20	0.197	4.99	7.90	55080	55920	87120	88450	1.30	8.0	16.3	
2	0.675	4	0.502	0.20	0.198	6.75	8.84	74420	75170	97460	98440	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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2574 (Page-1/1)

Dated: 14-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.047	5	0.626	0.31	0.308	10.04	13.93	71440	71900	99140	99780	1.30	8.0	16.3	1
2	1.047	5	0.626	0.31	0.308	10.01	13.86	71220	71680	98630	99270	1.30	8.0	16.3	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Aziz Industries
23 KM G.T.Road Muridke

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

Client Reference: Nil

SOM Lab

Ref: 2576 (Page-1/1)

Dated: 13-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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	2.69 4	8	1.00 4	0.7 9	0.79 2	23.09	36.36	64460	64300	10151 0	10125 0	1.5 0	8. 0	18. 8	
2	2.67 4	8	1.00 0	0.7 9	0.78 6	22.28	36.67	62210	62530	10236 0	10289 0	1.6 0	8. 0	20. 0	
3	1.53 3	6	0.75 8	0.4 4	0.45 1	13.00	19.72	65150	63560	98870	96460	1.4 0	8. 0	17. 5	
4	1.52 8	6	0.75 6	0.4 4	0.44 9	13.20	19.62	66170	64840	98360	96390	1.5 0	8. 0	18. 8	
5	0.67 2	4	0.50 1	0.2 0	0.19 7	5.71	8.58	62950	63910	94650	96090	1.1 0	8. 0	13. 8	
6	0.67 5	4	0.50 2	0.2 0	0.19 8	5.86	8.99	64640	65290	99150	10015 0	1.2 0	8. 0	15. 0	
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BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

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

Tanvir Naqvi,RE

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

Nespak,Gujranwala.(Const Of Dual Carriageway From GT Rd To Lahore-Sialkot Motorway)

Client Reference: 103/EW/GRW/TN/Lab/04

SOM Lab

Ref: 2577 (Page-1/1)

Dated: 14-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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	2.567	8	0.980	0.79	0.754	21.78	33.51	60820	63720	93540	98010	1.50	8.0	18.8	
2	2.561	8	0.979	0.79	0.753	23.55	33.49	65740	68970	93490	98080	1.60	8.0	20.0	
3	1.618	6	0.778	0.44	0.475	14.95	20.29	74960	69440	101680	94190	1.30	8.0	16.3	
4	1.612	6	0.777	0.44	0.474	15.11	20.29	75720	70290	101680	94390	1.20	8.0	15.0	
5	1.026	5	0.620	0.31	0.302	10.40	13.61	73970	75930	96820	99380	1.20	8.0	15.0	
6	1.033	5	0.622	0.31	0.304	10.35	13.56	73610	75060	96460	98360	1.20	8.0	15.0	
7	0.586	4	0.468	0.20	0.172	5.66	7.26	62390	72550	80040	93070	1.10	8.0	13.8	
8	0.591	4	0.471	0.20	0.174	5.83	7.39	64300	73910	81500	93680	1.20	8.0	15.0	
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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

Saqib Akram,RE
Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

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

Client Reference: 3772/103/ACF/SA/04/130

SOM Lab

Ref: 2581 (Page-1/4)

Dated: 12-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	37.21	66590	68060	103870	106160	1.30	8.0	16.3	
2	2.693	8	1.004	0.79	0.791	24.21	36.80	67590	67500	102730	102600	1.30	8.0	16.3	
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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

Saquib Akram,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

SOM Lab

Client Reference: 3772/103/ACF/SA/04/129

Ref:

2581 (Page-2/4)

Dated: 12-07-2023

Dated:

17-07-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	1.42 2	6	0.73 0	0.4 4	0.41 8	14.39	19.11	72150	75950	95800	10085 0	1.2 0	8. 0	15. 0	
2	1.41 4	6	0.72 8	0.4 4	0.41 6	14.39	19.13	72150	76310	95910	10144 0	1.3 0	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

Saqib Akram,RE
Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

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

Client Reference: 3772/103/ACF/SA/04/128

SOM Lab

Ref: 2581 (Page-3/4)

Dated: 12-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	1.061	5	0.630	0.31	0.312	9.91	13.93	70490	70040	99140	98500	1.00	8.0	12.5	
2	1.058	5	0.629	0.31	0.311	9.96	14.68	70860	70630	104430	104100	1.20	8.0	15.0	
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BEND TEST:

# 5	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

Saqib Akram,RE
Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

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

Client Reference: 3772/103/ACF/SA/04/127

SOM Lab

Ref: 2581 (Page-4/4)

Dated: 12-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	6.80	9.04	74980	76120	99710	101230	1.00	8.00	12.5	
2	0.671	4	0.501	0.20	0.197	6.88	9.02	75880	77030	99480	101000	1.10	8.00	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

Premier Developer & Builders

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

Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/045

SOM Lab

Ref: 2582 (Page-1/1)

Dated: 15-07-2023

Dated: 17-07-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 h

Sample Type: Deformed Bar (Fazal 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	2.687	8	1.003	0.79	0.790	24.08	34.15	67220	67220	95340	95340	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	14.58	19.67	73070	73910	98610	99750	1.30	8.0	16.3	
3	0.671	4	0.501	0.20	0.197	6.80	8.69	74980	76120	95770	97230	0.90	8.0	11.3	
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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

Test Performed by: Dr. Asad Ali Gillani

Abdul Wahab
Application Engineer –E & I,
Potentia Engineering Pvt Ltd Lahore.

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/2567 (Page 1/1)
Test Type: Load Test
Sample Type: Wire (1.5mm)

Dated: 17-07-2023

Dated: 10-07-2023

Load Test Results

Sample No.	Sample Type	Ultimate Load (kN)	Ultimate Load (Kg)	Remarks
1	Wire (1.5mm)	1.5	153	-

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

Arfan Nazir
Manager Civil, Nishat Mills Ltd. Lahore. Nishat Group

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

Client Reference: NDF/AST/002

SOM Lab Ref:

2575 (Page-1/1)

Dated: 14-07-2023

Dated:

17-07-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 m

Sample Type:

MS Def Bar (Aziz 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	m	%	
1	3.970	25	25.38	491	506	221.20	361.70	451	438	737	715	35.0	200	17.5	
2	3.968	25	25.37	491	505	218.60	359.70	445	433	733	712	37.5	200	18.8	
3	1.612	16	16.17	201	205	92.70	144.00	461	452	716	702	32.5	200	16.3	
4	1.618	16	16.20	201	206	91.00	143.70	453	442	715	698	32.5	200	16.3	
5	0.993	12	12.69	113	127	49.20	71.70	435	389	635	567	30.0	200	15.0	
6	1.000	12	12.74	113	127	49.00	72.50	434	385	642	570	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
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	

Test Performed by: S. Asad Ali Gillani

AF Steel Re Rolling Mills
Lahore.

Client Reference No.: AFS/Latter # B-0110

Dated: 17-07-2023

SOM Lab Ref: CED/SOM/2578 (Page 1/1)

Dated: 17-07-2023

Test Type: Tensile Test

Sample Type: Nut Bolts

Test Specification: ASTM – F-606

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation	Remarks
1	Nut Bolts (M10/1)	9.9	80.7	1048.4	25	Samples Breaks at this Load
2	Nut Bolts (M12/1)	8.1	24.2	469.6	-	Threaded Failure
3	Nut Bolts (M12/2)	8.3	23.5	434.3	-	Threaded Failure
4	Nut Bolts (M12/3)	11.9	100.2	900.9	20	Samples Breaks at this Load
5	Nut Bolts (M16/1)	10.2	55.2	675.5	15	Samples Breaks at this Load
6	Nut Bolts (M16/2)	10.4	57.0	671.0	20	Samples Breaks at this Load
7	Nut Bolts (M20/1)	14.3	102.2	626.3	20	Samples Breaks at this Load
8	Nut Bolts (M20/2)	14.2	108.2	683.2	20	Samples Breaks at this Load

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

Test Performed by: S. Asad Ali Gillani

AF Steel
Re Rolling Mills Lahore.

Client Reference No.: AFS/NLC # C-110
SOM Lab Ref: CED/SOM/2579 (Page 1/1)

Dated: 17-07-2023

Dated:17-07-2023

Test Type: Tensile Test

Sample Type: Anchor Bolts

Test Specification: ASTM – F-1554

Gauge Length: 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Remarks
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	M20	314	169.0	223.7	538	712	40.0	200	20.0	
2	M20	314	158.0	196.0	503	624	40.0	200	20.0	
							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 Waseem Abbas

Izhar Steel (Pvt0 Ltd.
Lahore.
(Parco Pearl Gas Facility Expansion Project)

Client Reference No.: ISPL-ISPD-112-LET-00011

Dated: 14-07-2023

SOM Lab Ref: CED/SOM/2580(Page 1/1)

Dated: 17-07-2023

Test Type: Load Test

Sample Type: MS Scaffolding Couplers Pipe Dia 2 Inch

Specification: BS 1139

Load Test Results

Sample No.	Sample Type	Ultimate Breaking Load (kN)	Ultimate Breaking Load (Kg)	Remarks
1	MS Scaffolding Coupler (Tension)	23.0	2345	Coupler Breaks At this Load
2	MS Scaffolding Coupler (Tension)	26.7	2721	Coupler Breaks At this Load
3	MS Scaffolding Coupler (Tension)	34.5	3518	Coupler Breaks At this Load

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

