

Muhammad Shafi

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

PD PIEDMC Chunian.(Const And Maintenance Works In Chunian Aqua Business Park)

Client Reference: PIE/CABP/QAQC/MSL/30

SOM Lab

Ref: 2916 (Page-1/1)

Dated: 22-09-2023

Dated: 25-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Al Aziz)

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	1.052	5	0.627	0.31	0.309	10.24	15.95	72890	73120	113500	113860	1.20	8.0	15.0	
2	1.051	5	0.627	0.31	0.309	10.19	15.87	72520	72760	112920	113280	1.20	8.0	15.0	
3	0.647	4	0.492	0.20	0.190	5.78	9.09	63740	67090	100270	105550	1.10	8.0	13.8	
4	0.661	4	0.497	0.20	0.194	5.86	9.28	64640	66640	102290	105460	1.20	8.0	15.0	
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BEND TEST:

# 5	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

Sheikh Maqbool Hassan, RE
Nespak Lahore.(Const Of 8-Lane overhead Bridge at Imamia Colony)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: RE/SA-543/02/MH/103

SOM Lab

Ref: 2917 (Page-1b/3)

Dated: 16-09-2023

Dated: 25-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Kamran 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	0.663	4	0.498	0.20	0.195	6.19	8.53	68230	69980	94090	96500	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	6.03	8.12	66550	68250	89590	91890	1.20	8.0	15.0	
3	0.671	4	0.501	0.20	0.197	6.03	8.21	66550	67560	90490	91870	1.10	8.0	13.8	
4	0.669	4	0.501	0.20	0.197	6.37	8.66	70260	71330	95550	97000	1.10	8.0	13.8	
5	0.654	4	0.494	0.20	0.192	6.22	8.51	68570	71430	93860	97770	1.10	8.0	13.8	
6	0.659	4	0.497	0.20	0.194	6.34	8.79	69920	72080	96900	99890	1.10	8.0	13.8	
7	0.666	4	0.500	0.20	0.196	6.09	8.36	67110	68480	92180	94060	1.10	8.0	13.8	
8	0.674	4	0.502	0.20	0.198	6.78	9.35	74750	75510	103080	104120	1.10	8.0	13.8	
9	0.670	4	0.501	0.20	0.197	6.44	8.87	71040	72130	97800	99290	1.10	8.0	13.8	
10	0.665	4	0.498	0.20	0.195	6.32	8.63	69700	71480	95210	97650	1.10	8.0	13.8	

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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

Sheikh Maqbool Hassan, RE
Nespak Lahore.(Const Of 8-Lane overhead Bridge at Imamia Colony)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: RE/SA-543/02/MH/103

Dated: 16-09-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2917 (Page-1a/3)

Dated: 25-09-2023

ASTM-A-615

Deformed Bar (Kamran 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	2.626	8	0.991	0.79	0.772	26.12	36.65	72910	74610	102310	104690	1.50	8.0	18.8	
2	2.623	8	0.991	0.79	0.771	25.28	35.95	70580	72320	100370	102850	1.50	8.0	18.8	
3	2.608	8	0.988	0.79	0.766	24.92	35.34	69580	71760	98660	101760	1.50	8.0	18.8	
4	2.623	8	0.991	0.79	0.771	24.16	33.49	67450	69110	93490	95790	1.60	8.0	20.0	
5	2.638	8	0.993	0.79	0.775	24.69	33.91	68930	70260	94680	96510	1.60	8.0	20.0	
6	2.608	8	0.988	0.79	0.766	26.42	36.75	73770	76080	102590	105810	1.50	8.0	18.8	
7	1.533	6	0.758	0.44	0.451	14.04	20.18	70360	68640	101170	98700	1.40	8.0	17.5	
8	1.533	6	0.758	0.44	0.451	14.09	19.93	70620	68890	99890	97460	1.30	8.0	16.3	
9	0.682	4	0.505	0.20	0.200	6.17	8.84	68010	68010	97460	97460	1.20	8.0	15.0	
10	0.675	4	0.502	0.20	0.198	6.27	8.31	69130	69830	91610	92540	1.20	8.0	15.0	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
# 8	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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sheikh Maqbool Hassan, RE
Nespak Lahore.(Const Of 8-Lane overhead Bridge at Imamia Colony)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: RE/SA-543/02/MH/103

SOM Lab

Ref: 2917 (Page-1c/3)

Dated: 16-09-2023

Dated: 25-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Kamran 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	0.662	4	0.498	0.20	0.195	6.03	8.21	66550	68250	90490	92810	1.30	8.0	16.3	
2	0.670	4	0.501	0.20	0.197	6.32	8.31	69700	70760	91610	93010	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

Sheikh Maqbool Hassan, RE
Nespak Lahore.(Const Of 8-Lane overhead Bridge at Imamia Colony)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: RE/SA-543/02/MH/104

Dated: 16-09-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2917 (Page-2/3)

Dated: 25-09-2023

ASTM-A-615

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	2.614	8	0.989	0.79	0.768	25.13	33.25	70150	72160	92830	95490	1.20	8.0	15.0	
2	2.634	8	0.993	0.79	0.774	26.63	35.98	74330	75870	100460	102530	1.20	8.0	15.0	
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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

Sheikh Maqbool Hassan, RE
Nespak Lahore.(Const Of 8-Lane overhead Bridge at Imamia Colony)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: RE/SA-543/02/MH/105

SOM Lab

Ref: 2917 (Page-3/3)

Dated: 16-09-2023

Dated: 25-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.051	5	0.627	0.31	0.309	10.57	14.07	75210	75450	10080	100410	1.20	8.0	15.0	
2	1.056	5	0.628	0.31	0.310	11.13	14.48	79200	79200	102980	102980	1.10	8.0	13.8	
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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

Jawad Qayyum Khan,RE

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

Nespak Sahiwal.(Const Of Bypass Royal Hotel To Sarwar Chowk Via Ada Mai Wali Masjid)

Client Reference: 4267/Sahiwal/ADP/Flyover/JQ/80

SOM Lab

Ref: 2918 (Page-1/1)

Dated: 02-08-2023

Dated: 25-09-2023

Test: Tension Test & Bend Test
inc

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	2.609	8	0.988	0.79	0.767	24.41	34.22	68160	70200	95530	98400	1.20	8.00	15.00	
2	2.619	8	0.990	0.79	0.770	24.69	34.58	68930	70720	96530	99040	1.30	8.00	16.30	
3	1.482	6	0.745	0.44	0.436	14.37	18.96	72050	72710	95040	95910	1.40	8.00	17.50	
4	1.489	6	0.747	0.44	0.438	14.27	18.91	71540	71860	94780	95220	1.20	8.00	15.00	
5	0.660	4	0.497	0.20	0.194	6.54	8.69	72170	74400	95770	98740	1.30	8.00	16.30	
6	0.661	4	0.497	0.20	0.194	6.63	8.66	73070	75330	95550	98500	1.30	8.00	16.30	
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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

Osmani & Compny (Pvt) Ltd.

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

Engr Repres, Const Of Muridke Greenfield Aerodrome For General aviation Activities At Muridke)

Client Reference: OCL/CAA/MAD-ER/09-2K23/51-A

SOM Lab

Ref: 2919 (Page-1/1)

Dated: 20-09-2023

Dated: 25-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Plain Steel

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	2.504	8	0.968	0.79	0.736	17.64	28.13	49240	52850	78550	84310	1.60	8.00	20.00	
2	2.502	8	0.967	0.79	0.735	17.81	28.10	49720	53440	78460	84330	1.60	8.00	20.00	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Tahir Mehmood, Chief Engr

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

Zaitoon, New Lahore City. (Const Of Jamia Masjid By Al Mustafa Contractor New Lahore City)

Client Reference: NLC/CE/Const/90

SOM Lab

Ref: 2920 (Page-1/1)

Dated: 22-09-2023

Dated: 25-09-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.612	8	0.989	0.79	0.768	25.84	36.49	72140	74210	101880	104800	1.40	8.0	17.5	
2	2.616	8	0.990	0.79	0.769	25.96	36.72	72480	74460	102510	105310	1.30	8.0	16.3	
3	1.468	6	0.741	0.44	0.431	14.07	20.36	70510	71990	102040	104170	1.20	8.0	15.0	
4	1.462	6	0.740	0.44	0.430	13.99	20.23	70100	71730	101420	103780	1.40	8.0	17.5	
5	0.646	4	0.492	0.20	0.190	6.90	9.53	76100	80110	105100	110630	1.10	8.0	13.8	
6	0.650	4	0.493	0.20	0.191	6.85	9.58	75540	79100	105670	110640	1.20	8.0	15.0	
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Witnessed By: M.Azhar Rais (Asst Lab Incharge, Zaitoon)

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

Asif Shahzad

Test Performed By: Dr. /Engr. Waseem Abbas

Project Engr.(Work Sec) DHA Gujranwala.(Const Of Office Complex DHA Gujranwala)

Client Reference: 111/3/PE Works Sec/GEN/53

SOM Lab

Ref: 2921 (Page-1/1)

Dated: Sep-2023

Dated: 25-09-2023

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	1.51 1	6	0.75 2	0.4 4	0.44 4	12.64	19.93	63360	62790	99890	98990	1.4 0	8. 0	17. 5	
2	1.49 5	6	0.74 8	0.4 4	0.43 9	12.66	19.62	63460	63610	98360	98580	1.4 0	8. 0	17. 5	
3	1.05 5	5	0.62 8	0.3 1	0.31 0	9.02	14.07	64180	64180	10008 0	10008 0	1.3 0	8. 0	16. 3	
4	1.05 5	5	0.62 8	0.3 1	0.31 0	8.92	14.09	63460	63460	10023 0	10023 0	1.3 0	8. 0	16. 3	
5	0.64 2	4	0.49 1	0.2 0	0.18 9	5.56	8.41	61270	64830	92740	98140	1.1 0	8. 0	13. 8	
6	0.64 2	4	0.49 1	0.2 0	0.18 9	5.47	8.36	60370	63880	92180	97540	1.4 0	8. 0	17. 5	
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BEND TEST:

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