

Muhammad Khalid Zaman

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Resident Engineer, Engineering Consultancy Services Punjab (Pvt) Ltd. Lahore

Client Reference: ECSP/PAPA/CZ-LHR-08

Dated: 26-04-2021

SOM Lab Ref: CED/SOM/4286 (Page-1/1)

Dated: 03-05-2021

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	0.865	12	11.84	113	110	64.70	78.70	572	589	696	716	32.5	200	16.3	
2	0.865	12	11.84	113	110	64.70	78.70	572	588	696	715	32.5	200	16.3	
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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

Rameez Dilshad
AGE (Army) - Pasrur

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 6045 /04/E-6

SOM Lab 4282(Page-
Ref: 1/1)

Dated: 29-04-2021

Dated: 03-05-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage 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	2.595	8	0.986	0.79	0.763	26.15	34.63	73000	75580	96670	100090	1.50	8.0	18.8	
2	2.600	8	0.986	0.79	0.764	26.17	34.66	73050	75540	96760	100050	1.40	8.0	17.5	
3	1.453	6	0.737	0.44	0.427	14.14	19.64	70870	73030	98460	101460	1.30	8.0	16.3	
4	1.456	6	0.738	0.44	0.428	14.19	19.83	71130	73120	99380	102170	1.20	8.0	15.0	
5	1.058	5	0.629	0.31	0.311	10.16	14.24	72310	72070	101310	100990	1.30	8.0	16.3	
6	1.059	5	0.629	0.31	0.311	10.14	14.32	72160	71930	101890	101570	1.00	8.0	12.5	
7	0.674	4	0.502	0.20	0.198	7.24	9.50	79810	80620	104770	105820	1.10	8.0	13.8	
8	0.677	4	0.503	0.20	0.199	7.19	9.40	79250	79650	103640	104160	1.00	8.0	12.5	
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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

Project Manager
Nazir & Sons Trust Building Construction Project, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: NST/MT/SR/UET/010

SOM Lab 4283(Page-

Ref: 1/1)

Dated: 03-05-2021

Dated: 03-05-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed(Koh-e-Noor Steel Mill)

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	0.643	4	0.491	0.20	0.189	5.98	8.28	65990	69830	91280	96590	1.10	8.0	13.8	
2	0.631	4	0.485	0.20	0.185	5.73	8.26	63180	68300	91050	98430	1.00	8.0	12.5	
3	0.649	4	0.493	0.20	0.191	5.96	8.56	65760	68860	94420	98870	1.20	8.0	15.0	
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BEND TEST:

# 4	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

Sub Divisional Officer
Gujranwala Drainage Sub Division, Gujranwala

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 90/3-W

SOM Lab 4284(Page-

Ref: 1/1)

Dated: 27-03-2021

Dated: 03-05-2021

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	2.640	8	0.994	0.79	0.776	24.67	34.51	68870	70110	96330	98070	1.00	8.0	12.5	
2	2.595	8	0.986	0.79	0.763	24.46	33.10	68300	70720	92400	95670	0.90	8.0	11.3	
3	1.493	6	0.748	0.44	0.439	14.37	19.11	72050	72210	95800	96020	1.20	8.0	15.0	
4	1.498	6	0.748	0.44	0.440	14.48	19.37	72560	72560	97080	97080	1.20	8.0	15.0	
5	1.080	5	0.635	0.31	0.317	10.14	13.58	72160	70570	96600	94470	1.20	8.0	15.0	
6	1.067	5	0.632	0.31	0.314	9.84	13.32	69990	69090	94790	93580	1.30	8.0	16.3	
7	0.666	4	0.500	0.20	0.196	6.52	8.84	71940	73410	97460	99450	0.90	8.0	11.3	
8	0.674	4	0.502	0.20	0.198	6.63	8.99	73070	73810	99150	100150	1.00	8.0	12.5	
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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

Deputy Director, Engg.
Sec I & II, Package -I, LOLMTP LDA, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DD/PKG-I/LOLMTP/LDA/34

SOM Lab Ref: 4287(Page-1/1)

Dated: 03-05-2021

Dated: 03-05-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage 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	1.490	6	0.747	0.44	0.438	15.87	21.66	79560	79920	108580	109070	1.10	8.0	13.8	
2	1.467	6	0.741	0.44	0.431	15.14	21.33	75880	77460	106890	109120	1.00	8.0	12.5	
3	0.673	4	0.502	0.20	0.198	7.46	9.89	82290	83120	109040	110140	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	7.21	9.63	79470	80690	106230	107840	1.10	8.0	13.8	
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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

Innovative Management
Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab 4288(Page-

Ref: 1/1)

Dated: 03-05-2021

Dated: 03-05-2021

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	0.650	4	0.493	0.20	0.191	5.88	7.95	64860	67920	87680	91810	1.30	8.0	16.3	
2	0.629	4	0.485	0.20	0.185	5.25	7.54	57890	62590	83180	89930	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

Project Director

Test Performed By:

Dr. /Engr.

Nauman Khurram

Punjab Government Servants Housing Scheme Mohlanwal, Lahore

Client Reference: PD/M-172021/158

SOM Lab

4289 (Page-

Ref:

1/1)

Dated: 24-04-2021

Dated:

03-05-2021

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	13.43	19.69	67290	66990	98720	98270	1.30	8.0	16.3	
2	0.671	4	0.501	0.20	0.197	6.14	8.36	67670	68700	92180	93580	1.40	8.0	17.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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