

Lt. Col ® Tasnim Hashmi

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Dambodas Jaglot Skardu Road Proj

Client Reference: FC/JV/JSR/2021/G-104-283

Dated: 11-03-2021

SOM Lab Ref: CED/SOM/4122(Page-1/1)

Dated: 29-03-2021

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	3.886	25	25.11	491	495	246.00	339.70	501	497	692	687	32.5	200	16.3	
2	2.355	20	19.54	314	300	174.00	220.70	554	581	703	736	30.0	200	15.0	
3	1.552	16	15.87	201	198	114.20	143.00	568	578	711	724	27.5	200	13.8	
4	0.873	12	11.90	113	111	55.00	80.00	486	495	707	720	35.0	200	17.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
20mm	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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Resident Engineer/Team Leader
Prime Engineering Consultancy, Kallurkot Bidge Project

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

Client Reference: KK-DIK-BR-PJ/2021/277

Dated: 28-03-2021

SOM Lab Ref: CED/SOM/4124(Page-1/1)

Dated: 29-03-2021

Test: Tension Test & bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Pak Steel)

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	1.593	16	16.08	201	203	115.70	145.00	575	570	721	715	27.5	200	13.8	
2	1.598	16	16.10	201	204	118.50	148.20	589	583	737	729	27.5	200	13.8	
3	0.885	12	11.98	113	113	63.70	81.50	563	565	721	723	25.0	200	12.5	
4	0.888	12	12.00	113	113	65.00	83.50	575	575	738	739	27.5	200	13.8	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

Prof. Dr. Enge Abdullah Yasar
 Campus Engineer, GC University, Lahore (Engineering Cell)

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

Client Reference: GCU/Engr/2096/P
SOM Lab Ref: CED/SOM/4127(Page-1/1)
Test: Tension Test & bend Test
Sample Type: Deformed Bar(Pak Steel)

Dated: 25-03-2021
Dated: 29-03-2021
Test Specification: ASTM-A 615
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	1.593	16	16.08	201	203	115.70	145.00	575	570	721	715	27.5	200	13.8	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only One Sample Received and Tested
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

Assistant Engineer Bridges
Pakistan Railways Multan

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

Client Reference: 55-W/1/M (B)-74

SOM Lab 4123,4125(Page-

Ref: 1/1)

Dated: 23-03-2021

Dated: 29-03-2021

Test: Tension 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	2.624	8	0.991	0.79	0.771	30.89	38.81	86230	88350	108340	111010	1.10	8.0	13.8	
2	2.643	8	0.995	0.79	0.777	30.58	38.55	85380	86800	107630	109430	1.10	8.0	13.8	
3	1.512	6	0.752	0.44	0.444	15.97	19.88	80070	79350	99640	98740	1.30	8.0	16.3	
4	1.493	6	0.748	0.44	0.439	15.90	19.90	79710	79890	99740	99970	1.40	8.0	17.5	
5	1.048	5	0.626	0.31	0.308	12.51	14.85	88990	89560	105670	106350	1.40	8.0	17.5	
6	1.039	5	0.623	0.31	0.305	12.35	14.80	87900	89340	105300	107030	1.20	8.0	15.0	
7	0.679	4	0.505	0.20	0.200	7.80	9.58	85990	85990	105670	105670	1.00	8.0	12.5	
8	0.678	4	0.503	0.20	0.199	7.82	9.58	86220	86650	105670	106200	0.90	8.0	11.3	
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BEND TEST:

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

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

Prof. Dr. Engr Abdullah Yasar
Campus Engineer, GC University, Lahore (Engineering Cell)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: GCU/Engr/2096/P

Dated: 25-03-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4127 (Page-1/1)

Dated: 29-03-2021

ASTM-A-615

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	0.669	4	0.501	0.20	0.197	6.70	8.63	73850	74980	95210	96660	1.20	8.0	15.0	
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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