

Resident Engineer/Team Leader

Test Performed By:

Dr. /Engr.

m. Irfan Ul Hassan

Prime Engineering Consultancy, Kallurkot Bridge Project

Client Reference: KK-DIK-BR-PJ/2021/257

Dated: 01-03-2021

SOM Lab Ref: CED/SOM/3936(Page-1/1)

Dated: 02-03-2021

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	3.918	25	25.21	491	499	260.00	340.00	530	522	693	682	35.0	200	17.5	
2	2.447	20	19.92	314	312	154.00	210.70	490	495	671	676	30.0	200	15.0	
3	1.570	16	15.96	201	200	95.20	128.00	473	476	637	640	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillanim.
Irfan Ul Hassan

Prime Engineering Consultancy, Kallurkot Bidge Project

Client Reference: KK-DIK-BR-PJ/2021/258

Dated: 01-03-2021

SOM Lab Ref: CED/SOM/3937(Page-1/1)

Dated: 02-03-2021

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	0.912	12	12.15	113	116	50.50	73.50	447	436	650	634	27.5	200	13.8	
2	0.913	12	12.17	113	116	50.00	73.70	442	431	652	634	22.5	200	11.3	
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BEND TEST:

12mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Three Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Ahmad Hussain

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Assistant Manager Coordination, IZHAR Construction (Pvt) Ltd. ahore

Client Reference: ICPL/CONST-HNMPL/21/022

Dated: 02-03-2021

SOM Lab Ref: CED/SOM/3941(Page-1/1)

Dated: 02-03-2021

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	1.536	16	15.80	201	196	91.20	125.20	454	466	623	639	27.5	200	13.8	
2	1.516	16	15.68	201	193	88.80	122.70	442	460	610	636	32.5	200	16.3	
3	0.900	12	12.08	113	115	50.70	71.70	448	443	634	626	25.0	200	12.5	
4	0.899	12	12.08	113	115	53.20	72.50	470	465	641	633	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

Shahid Engineers,
Engineering & Contractprs, Faisalabad (Site: Apex Mall)

Test Performed By: Dr. /Engr.

S. Asasd Ali
Gillani

Client Reference: nil

Dated: 25-02-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab 3935(Page-

Ref: 1/1)

Dated: 02-03-2021

ASTM-A-615

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	0.666	4	0.500	0.20	0.196	6.65	8.21	73290	74790	90490	92340	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

Muhammad Danial

Construction Manager, Ortho Hospital 96-B, Hali Road Gulberg-II, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillanni

Client Reference: nil

Dated: 01-03-2021

Test: Tension Test & Bend Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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1/2)

02-03-2021

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	2.651	8	0.996	0.79	0.779	25.89	33.71	72290	73310	94110	95440	1.20	8.0	15.0	
2	2.650	8	0.996	0.79	0.779	26.81	35.07	74850	75900	97900	99280	1.30	8.0	16.3	
3	1.667	6	0.790	0.44	0.490	14.78	22.27	74090	66530	111640	100250	1.40	8.0	17.5	
4	1.484	6	0.745	0.44	0.436	15.60	20.23	78180	78890	101420	102350	1.20	8.0	15.0	
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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

Muhammad Danial

Construction Manager, Ortho Hospital 96-B, Hali Road Gulberg-II, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillanni

Client Reference: nil

Dated: 01-03-2021

Test: Tension Test & Bend Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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2/2)

02-03-2021

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	0.649	4	0.493	0.20	0.191	7.49	9.45	82620	86520	104200	109110	1.10	8.0	13.8	
2	0.661	4	0.497	0.20	0.194	7.21	8.87	79470	81930	97800	100820	1.10	8.0	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

Engr. Khizar Rehman

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Resident Engineer, Grand City Kharian (Asian Consulting Engineers (Pvt) Ltd.)

Client Reference: AsCE/GCK/RE/24

SOM Lab

3939(Page-

Ref:

1/1)

Dated: 25-002-2021

Dated:

02-03-2021

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	2.701	8	1.005	0.79	0.794	29.33	36.92	81880	81460	103080	102560	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 8	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

Sub Divisional Officer
Public Health Engg: Sub Division Raiwind

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

Client Reference: 2095/R

SOM Lab 3940(Page-

Ref: 1/2)

Dated: 02-11-2020

Dated: 02-03-2021

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	0.643	4	0.491	0.20	0.189	6.90	8.79	76100	80530	96900	102540	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

Sub Divisional Officer
Public Health Engg: Sub Division Raiwind

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

Client Reference: 2094/R

SOM Lab 3940(Page-

Ref: 2/2)

Dated: 02-11-2020

Dated: 02-03-2021

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	0.656	4	0.496	0.20	0.193	6.63	8.79	73070	75720	96900	100410	1.10	8.0	13.8	
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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

Major Muhammad farooq Bashir
Kiani

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

ADH (Svcs) Askari - XI, Army Officers Housing Scheme Sector - A, Askari - XI Bedian Road Lahore Cantt

Client Reference: 401/2/Damaged Bdry Wall/Sec-A

SOM Lab Ref: 3942(Page-1/1)

Dated: 25-02-2021

Dated: 02-03-2021

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	0.642	4	0.491	0.20	0.189	6.95	9.07	76660	81130	100050	105870	1.40	8.0	17.5	
2	0.630	4	0.485	0.20	0.185	4.96	7.00	54750	59180	77230	83490	1.30	8.0	16.3	
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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