

Maj ® Adnan Aftab Khan
 RE, VO-2 (M-2) ACC Prime JV. Lahore

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

Client Reference: nil
SOM Lab Ref: CED/SOM/1870 (Page-1/1)

Dated: 09-12-2019

Dated: 10-12-2019

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: J Bolt

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	4.000	25	25.48	491	510	244.00	388.20	497	479	791	762	37.5	50	75.0	
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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

Shakeb Hafeez
Resident Engineer, Layyah Taunsa Bridge

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

Client Reference: REC-LOYA-TECHNIA/Coord/184

Dated: 12-12-2019

SOM Lab Ref: CED/SOM/1887(Page-1/1)

Dated: 13-12-2019

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Faizan 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	3.815	25	24.88	491	486	273.20	352.70	557	563	719	726	30.0	200	15.0	
2	1.574	16	15.98	201	201	106.50	134.20	530	532	667	670	30.0	200	15.0	
3	0.894	12	12.04	113	114	64.20	78.50	568	564	694	690	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Javed Ali
Deputy Director (Maint.) National Jighwat Authority, Wazirabad (N-5)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Gen/DD(Mqaint)/WZD/NHA/2019/2160

Dated: 03-12-2019

SOM Lab Ref: CED/SOM/1892(Page-1/1)

Dated: 13-12-2019

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	3.783	25	24.77	491	482	192.20	294.70	392	399	600	612	22.5	200	11.3	
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BEND TEST:

25mm	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

Maj Adnan khalid@

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Const. of Commercial Shops at DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/795/4262

SOM Lab

Ref: 1866(Page-1/1)

Dated: 09-12-2019

Dated: 10-12-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	0.661	4	0.497	0.20	0.194	6.17	8.63	68010	70110	95210	98160	1.00	8.0	12.5	
2	0.667	4	0.500	0.20	0.196	6.32	8.77	69700	71120	96670	98650	1.20	8.0	15.0	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three 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

Maj Adnan khalid@

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Infra Dev Works of OHWT, Sector -P, DHA Ph- I - (M/S Zoraiz)

Client Reference: 408/241/E/Lab/796/ZE-20

SOM Lab

Ref: 1868(Page-1/1)

Dated: 09-12-2019

Dated: 10-12-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (S. J. 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	2.635	8	0.993	0.79	0.774	27.42	39.52	76550	78140	110330	112610	1.30	8.0	16.3	
2	2.654	8	0.997	0.79	0.780	27.29	39.47	76180	77160	110190	111600	1.00	8.0	12.5	
3	1.418	6	0.729	0.44	0.417	13.37	17.91	67040	70740	89780	94730	1.20	8.0	15.0	
4	1.410	6	0.726	0.44	0.414	14.17	18.35	71020	75480	91970	97750	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

Maj Adnan khalid@

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Infra Dev Works of OHWT, Sector -P, DHA Ph- I - (M/S Zoraiz)

Client Reference: 408/241/E/Lab/796/ZE-20

SOM Lab

Ref: 1868(Page-1/1)

Dated: 09-12-2019

Dated: 10-12-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (S. J. 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	2.635	8	0.993	0.79	0.774	27.42	39.52	76550	78140	110330	112610	1.30	8.0	16.3	
2	2.654	8	0.997	0.79	0.780	27.29	39.47	76180	77160	110190	111600	1.00	8.0	12.5	
3	1.418	6	0.729	0.44	0.417	13.37	17.91	67040	70740	89780	94730	1.20	8.0	15.0	
4	1.410	6	0.726	0.44	0.414	14.17	18.35	71020	75480	91970	97750	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

Batala Premum Steel
Lahore

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

Client Reference: Nil

SOM Lab

Ref: 1869(Page-1/1)

Dated: 10-12-2019

Dated: 10-12-2019

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	2.629	8	0.992	0.79	0.773	22.63	33.79	63180	64570	94340	96410	1.60	8.0	20.0	
2	1.487	6	0.746	0.44	0.437	13.61	19.24	68210	68680	96420	97080	1.00	8.0	12.5	
3	1.045	5	0.625	0.31	0.307	10.75	13.93	76510	77260	99140	100110	1.20	8.0	15.0	
4	0.657	4	0.496	0.20	0.193	5.93	8.58	65420	67800	94650	98080	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight 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

Managing Partner
Shaheen Associates, Lahore

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

Client Reference: SBA-1/6036
Dated: 09-12-2019
Test: Tension Test
Gauge Length: 8 inch

SOM Lab
Ref: 1871(Page-1/1)
Dated: 10-12-2019
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	1.646	6	0.785	0.44	0.484	17.02	21.63	85330	77570	108420	98570	1.30	8.0	16.3	
2	1.633	6	0.782	0.44	0.480	16.26	20.51	81500	74710	102800	94240	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	6.44	8.66	71040	72130	95550	97000	1.20	8.0	15.0	
4	0.660	4	0.497	0.20	0.194	6.68	8.87	73630	75910	97800	100820	1.30	8.0	16.3	
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BEND TEST:

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

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