

Ejaz Khan
Resident Engineer, Asif Ali & Associates (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: THDP/RE/01/416

Dated: 14-09-2019

SOM Lab Ref: CED/SOM/1553(Page-1/1)

Dated: 10-10-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(FF 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	1.670	16	16.47	201	213	117.70	151.20	585	553	752	710	32.5	200	16.3	
2	1.661	16	16.41	201	212	118.00	151.50	587	558	753	717	25.0	200	12.5	
3	0.942	12	12.36	113	120	63.00	77.50	557	525	685	646	30.0	200	15.0	
4	0.947	12	12.40	113	121	65.20	83.20	576	541	736	690	30.0	200	15.0	
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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

Ejaz Khan
Resident Engineer, Asif Ali & Associates (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: THDP/RE/01/416

Dated: 14-09-2019

SOM Lab Ref: CED/SOM/1553(Page-1/1)

Dated: 10-10-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(FF 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	1.670	16	16.47	201	213	117.70	151.20	585	553	752	710	32.5	200	16.3	
2	1.661	16	16.41	201	212	118.00	151.50	587	558	753	717	25.0	200	12.5	
3	0.942	12	12.36	113	120	63.00	77.50	557	525	685	646	30.0	200	15.0	
4	0.947	12	12.40	113	121	65.20	83.20	576	541	736	690	30.0	200	15.0	
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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

Nasir Mahmood

Test Performed By:

Dr. /Engr.

M Rizwan Azam

Resident Engineer, Project Management Department, Al-Imam Enterprises (Pvt) Ltd Lahore

Client Reference: Al-Imam/746/PS-1/DHA/LHE/961

Dated: 10-10-2019

SOM Lab Ref: CED/SOM/1556(Page-1/1)

Dated: 10-10-2019

Test: Tension and Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Steel Bar(Kamran 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	3.868	25	25.05	491	493	225.70	375.20	460	458	764	762	27.5	200	13.8	
2	3.852	25	25.00	491	491	239.20	335.50	487	488	683	684	35.0	200	17.5	
3	0.737	12	10.94	113	94	53.50	76.70	473	570	678	817	27.5	200	13.8	
4	0.889	12	12.01	113	113	54.50	77.50	482	482	685	685	32.5	200	16.3	
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BEND TEST:

25mm	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

Sajid Khawaja
Senior Manager Civil, OTL, Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: ORIENT/AFCO/Hotel Tower/Steel/009

Dated: 10-10-2019

SOM Lab Ref: CED/SOM/1555 (Page-1/1)

Dated: 10-10-2019

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	2.952	22	21.88	380	376	157.00	240.50	413	418	633	640	37.5	200	18.8	
2	2.954	22	21.89	380	376	157.50	244.20	414	419	642	650	45.0	200	22.5	
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BEND TEST:

22mm	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

Ghulam Murtaza
Project Manager, for Superior Group, Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: Naheed Palace/04

Dated: 26-09-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1551(Page-1/1)

Dated: 10-10-2019

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	2.646	8	0.995	0.79	0.778	28.54	37.31	79680	80910	104160	105760	1.10	8.0	13.8	
2	0.671	4	0.501	0.20	0.197	6.14	9.48	67670	68700	104540	106130	1.20	8.0	15.0	
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BEND TEST:

# 8	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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

M Rizwan Azam

Dy Dir MTL, Infra Dev Works Prism -9, Pkg -08, DHA Ph-9 - (M/S MAAKSONS)

Client Reference: 408/241/E/Lab/721/12889

SOM Lab

Ref:

1552(Page-1/1)

Dated: 30-09-2019

Dated:

10-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Pak 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	1.033	5	0.622	0.31	0.304	8.72	13.46	62010	63230	95730	97620	1.30	8.0	16.3	
2	1.030	5	0.621	0.31	0.303	8.72	13.22	62010	63440	94060	96240	1.30	8.0	16.3	
3	0.677	4	0.503	0.20	0.199	5.93	9.09	65420	65750	100270	100770	1.00	8.0	12.5	
4	0.675	4	0.502	0.20	0.198	5.93	9.07	65420	66090	100050	101060	1.10	8.0	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Ch Naveed Ahmad

Proposed Commercial Building, at Plot No. 85-B, D/1, Gulberg-II, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 04-10-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

1554(Page-1/1)

Dated:

10-10-2019

ASTM-A-615

Deformed

Bar

Gauge Length:

8 inch

Sample Type:

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	2.680	8	1.002	0.79	0.788	21.73	33.94	60670	60830	94770	95010	1.20	8.0	15.0	
2	2.658	8	0.997	0.79	0.781	23.16	35.60	64660	65400	99380	100520	1.40	8.0	17.5	
3	1.479	6	0.744	0.44	0.435	12.76	19.22	63970	64710	96320	97420	1.40	8.0	17.5	
4	1.480	6	0.744	0.44	0.435	13.27	19.47	66530	67290	97590	98710	1.20	8.0	15.0	
5	0.666	4	0.500	0.20	0.196	5.61	8.61	61830	63090	94990	96930	1.30	8.0	16.3	
6	0.670	4	0.501	0.20	0.197	5.61	8.69	61830	62770	95770	97230	1.20	8.0	15.0	
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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

Sub Divisional Officer
Buildings Sub Division, No 9, Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: 183/9th

SOM Lab

Ref: 1557 (Page-1/1)

Dated: 02-10-2019

Dated: 10-10-2019

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	2.290	8	0.926	0.79	0.673	16.67	25.59	46530	54620	71430	83850	1.50	8.0	18.8	
2	2.251	8	0.918	0.79	0.662	16.31	25.54	45540	54340	71290	85070	1.20	8.0	15.0	
3	1.543	6	0.759	0.44	0.453	15.39	20.23	77160	74940	101420	98510	1.10	8.0	13.8	
4	1.535	6	0.758	0.44	0.451	12.69	18.01	63620	62060	90290	88080	1.40	8.0	17.5	
5	0.684	4	0.506	0.20	0.201	8.02	9.45	88470	88030	104200	103690	0.90	8.0	11.3	
6	0.697	4	0.511	0.20	0.205	7.29	9.12	80370	78410	100610	98150	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

Akhtar Ali Javaid
Project Manager (Wan Bhachran/chashma), PAEC - WASO

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: PD/(CH)/WASO/C3&C4/94/18/1181

Dated: 09-11-2019

Test: Tension Test & Bend Test

Test Specification:

Gauge Length: 8 inch

Sample Type:

SOM Lab

Ref: 1558(Page-1/1)

Dated: 10-10-2019

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	2.600	8	0.986	0.79	0.764	24.72	38.71	69010	71360	108060	111730	1.30	8.0	16.3	
2	2.621	8	0.990	0.79	0.770	24.57	38.76	68590	70370	108200	111010	1.20	8.0	15.0	
3	1.465	6	0.741	0.44	0.431	15.46	20.05	77510	79130	100500	102600	1.20	8.0	15.0	
4	1.464	6	0.740	0.44	0.430	15.55	20.23	77920	79730	101420	103780	1.10	8.0	13.8	
5	1.059	5	0.629	0.31	0.311	10.52	14.22	74840	74600	101170	100840	1.20	8.0	15.0	
6	1.060	5	0.630	0.31	0.312	10.60	14.29	75420	74940	101680	101020	1.30	8.0	16.3	
7	0.717	4	0.518	0.20	0.211	7.95	10.21	87680	83110	112630	106760	1.30	8.0	16.3	
8	0.713	4	0.517	0.20	0.210	7.85	10.11	86560	82430	111510	106200	1.10	8.0	13.8	
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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