

Engr Shoukat Ali Rana
Project Manager, Orbit Housing, Lahore

Test Performed
By:

Dr. /Engr. S. Asad Ali Gillani

Client Reference: Nil

Dated: 15-04-2019

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 658-(Page-1/1)

Dated: 15-04-2019

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	2.571	8	0.981	0.79	0.756	26.01	32.23	72630	75890	89990	94030	1.30	8.0	16.3	
2	2.574	8	0.981	0.79	0.756	25.30	31.96	70630	73810	89220	93230	1.50	8.0	18.8	
3	1.463	6	0.740	0.44	0.430	17.74	22.70	88910	90970	113790	116440	1.00	8.0	12.5	
4	1.489	6	0.747	0.44	0.438	16.67	19.83	83540	83920	99380	99830	1.10	8.0	13.8	
5	0.674	4	0.502	0.20	0.198	7.65	9.12	84310	85160	100610	101620	1.10	8.0	13.8	
6	0.625	4	0.484	0.20	0.184	7.65	9.12	84310	91640	100610	109360	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr.

S Asad Ali
Gillani

Client Reference: CONC - 20190415

Dated: 15-04-2019

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 659(Page-1/1)

Dated: 15-04-2019

ASTM-A-615
Deformed Bar(AF,
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	0.617	4	0.480	0.20	0.181	6.57	8.02	72510	80120	88470	97750	1.00	8.00	12.5	
2	0.617	4	0.480	0.20	0.181	6.47	8.00	71380	78870	88240	97510	0.90	8.00	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Muhammad Aslam
Executive Engineer, PASSCO Comp At Sukkur,

Test Performed By: Dr. /Engr.

Bilal A.
Khokhar

Client Reference: PASSCO/EE/Suk/19/04

Dated: 09-04-2019

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 660(Page-1/1)

Dated: 15-04-2019

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	2.190	8	0.906	0.79	0.644	14.44	23.24	40330	49470	64890	79600	1.20	8.0	15.0	
2	2.190	8	0.906	0.79	0.644	14.58	23.41	40700	49920	65370	80190	1.40	8.0	17.5	
3	0.551	4	0.454	0.20	0.162	5.22	8.26	57560	71060	91050	112410	0.70	8.0	8.8	
4	0.554	4	0.456	0.20	0.163	5.17	8.12	56990	69930	89590	109930	0.60	8.0	7.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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

Muhammad Sarfaraz
CFO, INDIGO DEVELOPERS, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 15-04-2019

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 6661(Page-1/1)

Dated: 15-04-2019

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	2.666	8	0.998	0.79	0.783	25.28	34.48	70580	71210	96250	97110	1.50	8.0	18.8	
2	2.698	8	1.005	0.79	0.793	25.30	38.07	70630	70370	106290	105890	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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

Ajaz Ahmad Gondal

Test Performed By:

Dr. /Engr.

Bilal A.
Khokhar

Acting Chief Resident Engineer, Trimu Panjnad Barrages Consultants(TPB Consultants)

Client Reference: TPBC/CRE/1729

SOM Lab

Ref: 662(Page-1/1)

Dated: 14-04-2019

Dated: 15-04-2019

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar(Fazal Steel
Islamabad)

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	2.60 1	8	0.98 6	0.7 9	0.76 4	27.49	34.37	76750	79360	95960	99230	1.2 0	8. 0	15. 0	
2	2.62 1	8	0.99 0	0.7 9	0.77 0	27.39	34.27	76470	78450	95680	98160	1.5 0	8. 0	18. 8	
3	1.50 0	6	0.74 9	0.4 4	0.44 1	15.15	20.46	75930	75760	10255 0	10232 0	1.1 0	8. 0	13. 8	
4	1.50 1	6	0.74 9	0.4 4	0.44 1	14.97	20.46	75060	74890	10255 0	10232 0	1.1 0	8. 0	13. 8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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. Bilal A. Khokhar

Dy Dir MTL, Const. of 1-Kanal Villas at DRGCC Club House DHA Ph-6 (M/S Linker Developers Pvt.
Ltd.)

Dy Dir MTL, Const. of 1-Kanal Villas at DRGCC Club House DHA Ph-6 (M/S Linker Developers Pvt. Ltd.)

SOM Lab Ref: 664(Page-1/1)

Dated: 15-04-2019

Test Specification:

ASTM-A-615

Sample Type:

Deformed Bar (Ittefaq Steel)

[illegible]

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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Bilal A. Khokhar

Dy Dir MTL, Const of 2 Kanal Villas at DRGCC Ph-III, DHA Phase-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/527/107

SOM Lab

Ref: 665(Page-1/1)

Dated: 15-04-2019

Dated: 15-04-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 in

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	0.647	4	0.492	0.20	0.190	5.96	8.48	65760	69220	93530	98450	1.50	8.0	18.8	
2	0.643	4	0.491	0.20	0.189	5.93	8.51	65420	69230	93860	99330	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

