

Lt. Col Javaid Akbar (Retd)
 Project Manager, Typsa - Asian Consulting Engineers (JV) Lahore

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

Client Reference: TYPSA-PK-3267-20

SOM Lab

Ref: 2637(page-1/1)

Dated: 24-06-2020

Dated: 26-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.572	8	0.981	0.79	0.756	28.10	34.98	78460	81990	97670	102060	1.20	8.0	15.0	
2	2.654	8	0.997	0.79	0.780	29.07	35.56	81160	82200	99260	100530	1.10	8.0	13.8	
3	0.674	4	0.502	0.20	0.198	8.07	9.48	89030	89930	104540	105600	1.00	8.0	12.5	
4	0.669	4	0.501	0.20	0.197	8.07	9.55	89030	90390	105330	106930	1.10	8.0	13.8	
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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

Umair Maqsood
 Sub Divisional Officer, Building Sub Division, Assembly, Lahore

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

Client Reference: 2527-

SOM Lab
 Ref: 2640 (Page-1/1)

Dated: 19-06-2020

Dated: 25-06-2020

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	2.684	8	1.002	0.79	0.789	26.22	37.21	73200	73290	103870	104000	1.40	8.0	17.5	
2	2.683	8	1.002	0.79	0.788	24.33	34.73	67930	68100	96960	97200	1.30	8.0	16.3	
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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

Engr. Yousaf Zaman
Resident Engineer, M-3 IC Industrial City, Faisalabad

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

Client Reference: CRE/M3IC/FIC-GS-02DES/17

Dated: 25-06--2020

SOM Lab

Ref: 2641 (Page-1/1)

Dated: 25-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(ITTEFAQ 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	1.535	6	0.758	0.44	0.451	18.70	21.81	93710	91420	109340	106680	1.00	8.0	12.5	
2	1.517	6	0.754	0.44	0.446	19.47	21.78	97590	96280	109190	107720	1.00	8.0	12.5	
3	0.676	4	0.503	0.20	0.199	6.54	9.84	72170	72530	108480	109020	1.10	8.0	13.8	
4	0.668	4	0.500	0.20	0.196	6.47	9.73	71380	72840	107350	109540	1.20	8.0	15.0	
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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

Waqar Hussain(C R E)

Panjnad Barrage Engineers Office Barrage Colony Panjnad Barrage, Tehsil UCH Shareef District Bahawalpur

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Client Reference: TPBC/CRE2020/TECH/760

SOM Lab Ref: 2642(Page-1/1)

Dated: 22-06-2020

Dated: 26-06-2020

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	1.055	5	0.628	0.31	0.310	11.67	14.42	83040	83040	102620	102620	1.20	8.0	15.0	
2	1.051	5	0.627	0.31	0.309	11.69	14.39	83180	83450	102400	102730	1.10	8.0	13.8	
3	0.655	4	0.494	0.20	0.192	7.61	9.19	83970	87470	101390	105620	1.10	8.0	13.8	
4	0.655	4	0.494	0.20	0.192	7.49	9.17	82620	86060	101170	105380	1.00	8.0	12.5	
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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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

SOM Lab

Client Reference: 408/241/E/Lab/932/5451

Ref: 2643(Page-1/1)

Dated: 25-06-2020

Dated: 26-06-2020

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	1.491	6	0.747	0.44	0.438	13.78	19.34	69080	69400	96930	97370	1.20	8.0	15.0	
2	1.494	6	0.748	0.44	0.439	14.09	19.44	70620	70780	97440	97660	1.20	8.0	15.0	
3	0.671	4	0.501	0.20	0.197	6.68	8.94	73630	74750	98580	100080	1.30	8.0	16.3	
4	0.667	4	0.500	0.20	0.196	6.73	8.72	74190	75710	96110	98070	1.30	8.0	16.3	
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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