

Engr. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

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

Client Reference: Nil

SOM Lab 4183(Page-

Ref: 1/1)

Dated: 10-04-2021

Dated: 12-04-2021

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	2.721	8	1.009	0.79	0.800	25.20	33.33	70350	69470	93060	91900	1.60	8.0	20.0	
2	2.643	8	0.995	0.79	0.777	27.73	35.63	77410	78700	99460	101130	1.30	8.0	16.3	
3	1.524	6	0.755	0.44	0.448	17.94	22.19	89930	88320	111230	109250	1.10	8.0	13.8	
4	1.526	6	0.755	0.44	0.448	17.94	22.04	89930	88320	110470	108500	1.20	8.0	15.0	
5	0.661	4	0.497	0.20	0.194	7.08	8.82	78130	80540	97230	100240	0.90	8.0	11.3	
6	0.657	4	0.496	0.20	0.193	6.44	8.23	71040	73620	90720	94010	0.90	8.0	11.3	
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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

Safdar Hussain
Resident Engineer, ACE, Danish School Mankera Residency

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

Client Reference: ACE/RE-PDS/MNK/BHK/21/401

SOM Lab 4184(Page-

Ref: 1/1)

Dated: 07-04-2021

Dated: 12-04-2021

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	1.474	6	0.743	0.44	0.433	12.79	20.13	64130	65160	100910	102540	1.20	8.0	15.0	
2	1.456	6	0.738	0.44	0.428	12.76	20.13	63970	65770	100910	103740	1.20	8.0	15.0	
3	1.040	5	0.624	0.31	0.306	9.07	13.61	64550	65390	96820	98080	1.30	8.0	16.3	
4	1.074	5	0.634	0.31	0.316	9.17	13.91	65270	64030	98990	97110	1.40	8.0	17.5	
5	0.659	4	0.497	0.20	0.194	5.40	8.66	59580	61420	95550	98500	1.00	8.0	12.5	
6	0.637	4	0.488	0.20	0.187	5.15	8.33	56770	60720	91840	98220	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillan

Dy Dir MTL, Infra Dev Works of Sector - Q, Ph - XI - (M/S DHA - C)

Client Reference: 408/241/E/Estb/Lab/61/1265

SOM Lab

4185(Page-

Ref:

1/1)

Dated: 09-04-2021

Dated:

12-04-2021

Test: Tension 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	0.656	4	0.496	0.20	0.193	6.07	8.51	66890	69310	93860	97270	1.30	8.0	16.3	
2	0.662	4	0.498	0.20	0.195	5.93	8.41	65420	67100	92740	95120	1.40	8.0	17.5	
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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

M. Siddique Sons
Building Contractor, Lahore

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

Client Reference: Nil

SOM Lab 4186 (Page-

Ref: 1/1)

Dated: 12-04-2021

Dated: 12-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(AFCCO 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	2.473	8	0.962	0.79	0.727	17.64	25.13	49240	53500	70150	76230	2.00	8.0	25.0	
2	1.475	6	0.743	0.44	0.433	15.92	21.25	79810	81100	106530	108260	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	7.05	9.04	77790	81030	99710	103860	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

M. Siddique Sons
Building Contractor, Lahore

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

Client Reference: Nil

SOM Lab 4186 (Page-

Ref: 1/1)

Dated: 12-04-2021

Dated: 12-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(AFCCO 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	2.473	8	0.962	0.79	0.727	17.64	25.13	49240	53500	70150	76230	2.00	8.0	25.0	
2	1.475	6	0.743	0.44	0.433	15.92	21.25	79810	81100	106530	108260	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	7.05	9.04	77790	81030	99710	103860	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

Ajaz Ahmad Gondal

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

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

Client Reference: TPBC/CRE/NCB-01/5097

SOM Lab 4187(Page-

Ref: 1/1)

Dated: 11-04-2021

Dated: 12-04-2021

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	0.674	4	0.502	0.20	0.198	7.37	9.19	81270	82090	101390	102420	1.10	8.0	13.8	
2	0.667	4	0.500	0.20	0.196	7.24	8.94	79810	81440	98580	100600	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

