

Engr. Khalid Qadeer Mian

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

Chief Executive, Eastern Const. Co. Lhr (Constt.of 60 CUM/HR Capacity Waste Water Treatment Plant)

Client Reference: ECC/UET/FFFL-SWL/2021/35

SOM Lab Ref: 5234(Page-1/1)

Dated: 01-11-2021

Dated: 01-11-2021

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	1.472	6	0.743	0.44	0.433	14.95	19.57	74960	76170	98100	99690	1.20	8.0	15.0	
2	1.423	6	0.730	0.44	0.418	14.60	18.88	73170	77020	94630	99610	1.20	8.0	15.0	
3	0.644	4	0.491	0.20	0.189	7.03	8.87	77560	82080	97800	103490	1.30	8.0	16.3	
4	0.680	4	0.505	0.20	0.200	6.75	9.33	74420	74420	102860	102860	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr. Javed Asad

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Chief Resident Engineer, JIP Consultants Jalalpur Sharif, Jalalpur Irrigation Project (JIP)

Client Reference: JIPIC/TECH/P-3/CRE/24

SOM Lab

Ref: 5235(Page-1/2)

Dated: 29-10-2021

Dated: 01-11-2021

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	2.645	8	0.995	0.79	0.777	26.22	35.70	73200	74420	99660	101330	1.30	8.0	16.3	
2	2.652	8	0.996	0.79	0.779	25.30	34.76	70630	71630	97040	98410	1.20	8.0	15.0	
3	1.062	5	0.630	0.31	0.312	9.68	13.86	68900	68460	98630	98000	1.30	8.0	16.3	
4	1.058	5	0.629	0.31	0.311	9.63	13.91	68540	68320	98990	98680	1.40	8.0	17.5	
5	0.653	4	0.494	0.20	0.192	5.98	8.12	65990	68740	89590	93320	1.40	8.0	17.5	
6	0.655	4	0.494	0.20	0.192	5.88	8.12	64860	67560	89590	93320	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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

Engr. Javed Asad

Chief Resident Engineer, JIP Consultants Jalalpur Sharif, Jalalpur Irrigation Project (JIP)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: JIPIC/TECH/P-3/CRE/25

Dated: 29-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5235(Page-2/2)

Dated: 01-11-2021

ASTM-A-615

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	1.528	6	0.756	0.44	0.449	16.11	20.29	80730	79110	101680	99640	1.20	8.0	15.0	
2	1.530	6	0.757	0.44	0.450	16.00	20.20	80220	78440	101270	99020	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 6	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

Addl. Dir. (Works)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

The Punjab Employees Social Security Institution, Lahore (M/s Al-Tawakkal Construction Company)

Client Reference: SS.WW.(206)21/273

SOM Lab

Ref: 5236(Page-1/1)

Dated: 01-11-2021

Dated: 01-11-2021

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	1.532	6	0.757	0.44	0.450	16.84	19.93	84410	82530	99890	97670	1.30	8.0	16.3	
2	1.534	6	0.758	0.44	0.451	16.64	19.83	83390	81350	99380	96960	1.30	8.0	16.3	
3	0.596	5	0.472	0.31	0.175	6.54	8.26	46560	82480	58750	104060	1.10	8.0	13.8	
4	0.594	5	0.472	0.31	0.175	6.73	8.33	47870	84790	59250	104960	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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/21/455

SOM Lab

Ref: 5237(Page-1/1)

Dated: 14-10-2021

Dated: 01-11-2021

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	1.498	6	0.748	0.44	0.440	14.55	19.80	72910	72910	99230	99230	1.40	8.0	17.5	
2	1.500	6	0.749	0.44	0.441	14.39	19.62	72150	71980	98360	98140	1.40	8.0	17.5	
3	1.035	5	0.622	0.31	0.304	10.91	13.58	77600	79130	96600	98510	1.00	8.0	12.5	
4	1.044	5	0.625	0.31	0.307	10.88	13.81	77380	78140	98270	99230	1.20	8.0	15.0	
5	0.692	4	0.508	0.20	0.203	7.67	9.35	84530	83280	103080	101560	1.20	8.0	15.0	
6	0.691	4	0.508	0.20	0.203	7.77	9.40	85660	84390	103640	102110	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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