

Test Performed by: S. Asad Ali Gillani

Khalid Pervaiz

Moaz Steel Lahore.

(JV-CGGC-Mohmand Hydro Power Project)

Client Reference No.: MZ/JV-CGGC/UET/451

Dated: 20-09-2024

SOM Lab Ref: CED/SOM/4841 (Page 1/1)

Dated: 20-09-2024

Test Type: Tensile Test & Thickness Test

Specification: ASTM A-36

Sample Type: Steel Plate (10mm)

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Size of strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	32.7 x 9.7	317.19	245.7	310.5	774.61	978.90	0.40	20.00

Thickness Test Results

Sr. No.	Sample Type	Thickness (mm)
1	Steel Plate (10mm)	9.70

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

HSD Mandi Bahauddin.(Special Repair Of Road From Mojianwala To 8RD Via Challianwala)

Client Reference: 410/MBD

SOM Lab 4833 (Page-

Ref: 1/1)

Dated: 06-09-2024

Dated: 20-09-2024

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	0.657	4	0.496	0.20	0.193	5.96	7.41	65760	68150	81720	84690	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	5.96	7.46	65760	66760	82290	83540	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 Azmat, RE

Test Performed By:

Dr. /Engr.

Wasim Abbas

NESPAK-Turkpak JV Lhr.(Reconstruction of Lady Willingdon Hospital,Lahore)

Client Reference: 4729/13/MA/04/98

SOM Lab

4834 (Page-

Ref:

1/1)

Dated: 20-09-2024

Dated:

30-09-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Hunza 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	2.652	8	0.996	0.79	0.779	23.50	33.40	65600	66520	93260	94570	1.30	8.0	16.3	
2	2.641	8	0.994	0.79	0.776	24.43	33.59	68220	69450	93770	95460	1.50	8.0	18.8	
3	1.500	6	0.749	0.44	0.441	14.14	19.24	70870	70710	96420	96200	1.20	8.0	15.0	
4	1.500	6	0.749	0.44	0.441	14.53	19.49	72810	72650	97690	97470	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	6.37	8.61	70260	72060	94990	97420	1.10	8.0	13.8	
6	0.665	4	0.498	0.20	0.195	6.29	8.53	69360	71140	94090	96500	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Muhammad Abbas(QA/QC,NESPAK)

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

Muhammad Atif Khalil
 PM Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

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

Client Reference: DOC-BMC/AJWA/145

SOM Lab Ref: 4835 (Page-1/1)

Dated: 20-09-2024

Dated: 20-09-2024

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	1.512	6	0.752	0.44	0.444	14.50	19.44	72660	72000	97440	96560	1.40	8.0	17.5	
2	1.493	6	0.748	0.44	0.439	14.70	19.32	73680	73850	96830	97050	1.20	8.0	15.0	
3	0.666	4	0.500	0.20	0.196	6.24	8.33	68800	70200	91840	93710	1.20	8.0	15.0	
4	0.673	4	0.502	0.20	0.198	6.47	8.51	71380	72100	93860	94810	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sheikh Maqbool, RE
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

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

Client Reference: RE/GSRP/4521/04/MH/13

SOM Lab 4836(Page-1/1)
Ref: 1/1)

Dated: 16-09-2024

Dated: 20-09-2024

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	2.625	8	0.991	0.79	0.771	26.10	34.20	72850	74650	95480	97830	1.30	8.0	16.3	
2	2.615	8	0.989	0.79	0.768	26.40	34.68	73710	75820	96820	99590	1.40	8.0	17.5	
3	1.478	6	0.743	0.44	0.434	13.88	17.99	69590	70560	90180	91430	1.20	8.0	15.0	
4	1.466	6	0.741	0.44	0.431	13.99	18.14	70100	71570	90950	92850	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	6.49	8.92	71610	73440	98360	100880	1.00	8.0	12.5	
6	0.665	4	0.498	0.20	0.195	6.65	8.87	73290	75170	97800	100300	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
# 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

Ali Abdullah Khan, PM
Paradose Icecream Factory, Ferozpur Road Lahore

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

Client Reference: Nil
Dated: 20-09-2024

SOM Lab 4837 (Page-1/1)
Ref: 1/1
Dated: 20-09-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.626	8	0.991	0.79	0.772	21.66	34.45	60480	61890	96190	98430	1.60	8.0	20.0	
2	2.632	8	0.992	0.79	0.773	21.63	34.71	60390	61720	96900	99030	1.60	8.0	20.0	
3	1.513	6	0.753	0.44	0.445	12.92	19.22	64740	64010	96320	95230	1.10	8.0	13.8	
4	1.506	6	0.751	0.44	0.443	12.74	19.39	63870	63440	97180	96530	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	5.78	8.79	63740	65370	96900	99380	1.10	8.0	13.8	
6	0.665	4	0.498	0.20	0.195	5.81	8.87	64080	65720	97800	100300	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
# 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

Zulifqar
Lahore

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

Client Reference: Nil

SOM Lab Ref: 4838 (Page-1/1)

Dated: Nil

Dated: 20-09-2024

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	2.658	8	0.997	0.79	0.781	24.48	33.19	68330	69120	92660	93730	1.50	8.0	18.8	
2	1.483	6	0.745	0.44	0.436	13.10	18.32	65660	66260	91820	92660	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	6.35	8.31	70030	71830	91610	93960	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Tahir Ali
Associate Manager Allied Bank Ltd.(Const Of ABL,Aibak Block,Lahore)

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

Client Reference: ENGG/LHR/2024/

SOM Lab Ref: 4839 (Page-1/1)

Dated: 19-09-2024

Dated: 20-09-2024

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	1.496	6	0.748	0.44	0.440	15.85	19.08	79450	79450	95650	95650	1.30	8.0	16.3	
2	1.495	6	0.748	0.44	0.439	15.92	19.22	79810	79990	96320	96530	1.40	8.0	17.5	
3	0.661	4	0.497	0.20	0.194	7.00	8.58	77230	79620	94650	97580	1.20	8.0	15.0	
4	0.663	4	0.498	0.20	0.195	7.05	8.63	77790	79780	95210	97650	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

Muhammad Waqas, SI

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

The SESCON Pvt Ltd.(Remodeling of Shop Stop as Premium Shop at PSO FS Magic River Lhr)

Client Reference: Requisitions/2024-25/006

SOM Lab 4840 (Page-1/1)

Dated: 20-09-2024

Dated: 20-09-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF 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	0.657	4	0.496	0.20	0.193	6.29	8.53	69360	71870	94090	97500	1.00	8.0	12.5	
2	0.661	4	0.497	0.20	0.194	6.32	8.56	69700	71850	94420	97340	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

