

Test Performed by: Dr. Asad Ali Gillani

Engr. Farrukh Alvi,
Dy. General Manager (Works)
Habib Rafiq Engineering (Pvt.) Ltd, Lahore
(Construction of Sky Gardens Tower, Lahore.)

Client Reference No.: HRLE/SKG/2024/L-12/84-25/168A/Re-Test

Dated: 24-10-2024

SOM Lab Ref: CED/SOM/085(Page-1/1)

Dated: 24-10-2024

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler (Zahid Engineering)

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm ²)	kN	kN	(Mpa)	(Mpa)	
1	25	491	203.5	296.5	414	604	Steel Bar fails from the threaded portion
2	25	491	204.5	290.7	416	592	Steel Bar fails from the threaded portion

Witnessed by: M.Irfan (QC Engr/HRL), Najam Shabbir Khan (Site Engr/101 Group)

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

Adnan Jamil (Civil Engineer)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

National Management Foundation Lhr.(Const. of Yusaf Shirazi Complex at Lums Campus)

Client Reference: NMF/GM/C-39/872

Dated: 24-10-2024

SOM Lab Ref: CED/SOM/079(Page-1/1)

Dated: 24-10-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.887	25	25.11	491	495	241.50	333.00	492	488	678	673	32.5	200	16.3	
2	3.920	25	25.21	491	499	230.50	327.50	470	462	667	656	37.5	200	18.8	
3	0.967	12	12.53	113	123	67.50	90.20	597	548	798	733	22.5	200	11.3	
4	0.966	12	12.52	113	123	67.00	89.50	592	545	791	728	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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.H Muhammad Umair Ali

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Asstt Dir (Civil) PIU-IWRPP.(Rehb & Additional Works Lot-02: (i) Govt College of Technology Sahiwal)

Client Reference: ICI&SDD/PIU/IWRPP/CW04/1109

SOM Lab

Ref: 081 (Page-1/1)

Dated: 22-10-2024

Dated: 24-10-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	2.630	8	0.992	0.79	0.773	24.16	35.85	67450	68930	100090	102290	1.20	8.0	15.0	
2	1.510	6	0.752	0.44	0.444	15.29	19.49	76640	75950	97690	96810	1.40	8.0	17.5	
3	0.665	4	0.498	0.20	0.195	6.49	8.82	71610	73440	97230	99730	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
# 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

Project Manager
Citi Housing (Pvt)Ltd.(Const Of Kohala House Nathia Gali)

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

Client Reference: CITI HOUSING /2024/002

SOM Lab

Ref: 082 (Page-1/1)

Dated: 23-10-2024

Dated: 24-10-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (PSR 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	2.576	8	0.982	0.79	0.757	23.45	29.48	65460	68310	82300	85890	1.30	8.0	16.3	
2	2.576	8	0.982	0.79	0.757	23.87	29.77	66650	69560	83100	86720	1.50	8.0	18.8	
3	1.487	6	0.746	0.44	0.437	13.99	18.09	70100	70590	90690	91320	1.40	8.0	17.5	
4	1.481	6	0.744	0.44	0.435	14.09	18.14	70620	71430	90950	92000	1.50	8.0	18.8	
5	0.665	4	0.498	0.20	0.195	5.25	7.51	57890	59380	82850	84970	1.10	8.0	13.8	
6	0.663	4	0.498	0.20	0.195	5.25	7.51	57890	59380	82850	84970	1.20	8.0	15.0	
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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

M. Yasir Kiani, RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

JCP Wahga NESPAK. (Expension Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/84

SOM Lab

Ref: 083 (Page-1/1)

Dated: 24-10-2024

Dated: 24-10-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Aziz 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	2.661	8	0.998	0.79	0.782	24.87	36.24	69440	70150	101170	102200	1.40	8.0	17.5	
2	2.660	8	0.998	0.79	0.782	24.94	36.36	69640	70350	101510	102550	1.20	8.0	15.0	
3	1.496	6	0.748	0.44	0.440	13.46	20.90	67450	67450	104750	104750	1.20	8.0	15.0	
4	1.494	6	0.748	0.44	0.439	13.53	20.90	67810	67960	104750	104980	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

Project Manager

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

SUNSHINE Health Care Pvt Ltd.(SUNSHINE MEDICAL TOWER SHAHDRA)

Client Reference: Nil

SOM Lab

Ref:

084 (Page-1/1)

Dated: 23-10-2024

Dated:

24-10-2024

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	2.539	8	0.975	0.79	0.746	23.26	33.25	64940	68770	92830	98310	1.50	8.0	18.8	
2	2.549	8	0.977	0.79	0.749	22.85	33.28	63810	67300	92920	98000	1.50	8.0	18.8	
3	1.501	6	0.749	0.44	0.441	13.63	19.44	68320	68160	97440	97220	1.40	8.0	17.5	
4	1.469	6	0.742	0.44	0.432	13.88	19.27	69590	70880	96570	98360	1.30	8.0	16.3	
5	0.667	4	0.500	0.20	0.196	6.83	9.19	75320	76850	101390	103460	1.20	8.0	15.0	
6	0.646	4	0.492	0.20	0.190	6.75	8.87	74420	78330	97800	102940	1.10	8.0	13.8	
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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

Mr. Faisal Bhatti(PM)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Ittefaq Building Solution (Pvt)Ltd.(Sazgar 05 Car Plant)(Sazgar Engg Works Car Plant)

Client Reference: Nil

SOM Lab

Ref:

086 (Page-1/1)

Dated: 24-10-2024

Dated:

24-10-2024

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	2.640	8	0.994	0.79	0.776	24.41	34.35	68160	69390	95900	97630	1.60	8.0	20.0	
2	2.648	8	0.995	0.79	0.778	25.08	34.71	70010	71090	96900	98400	1.40	8.0	17.5	
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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