

Engr. Salman Shabbir
Syed Brother (Pvt) Ltd. 24 CCA DHA Phase 5 Lhr.

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Client Reference: Nil
Dated: 04-10-2024

SOM Lab Ref: 4930 (P-1a/1)
Dated: 04-10-2024

Test: Tension Test
Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.884	25	25.11	491	495	233.50	319.00	476	472	650	645	37.5	200	18.8	
2	3.852	25	25.00	491	491	232.00	317.00	473	473	646	647	37.5	200	18.8	
3	0.877	12	11.93	113	112	51.50	77.50	456	461	686	694	27.5	200	13.8	
4	0.872	12	11.89	113	111	52.00	77.00	460	469	681	694	27.5	200	13.8	
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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

Test Performed by: Dr. Nauman Khurram

Engr. Zaheer Ud Din Babar,
Dy. General Manager (Works)
Habib Rafiq Engineering (Pvt.) Ltd, Lahore
(Construction of Sky Gardens Tower, Lahore.)

Client Reference No.: HRLE/SKG/2024/L-12/316-22/84-25/168

Dated: 04-10-2024

SOM Lab Ref: CED/SOM/4931(Page-1/1)

Dated: 04-10-2024

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	199.00	265.20	405	540	Slippage at threaded zone
2	25	491	204.00	268.00	415	546	failure at threaded zone
3	22	387	165.00	252.00	426	651	failure at threaded zone
4	22	387	164.00	255.50	424	660	failure at threaded zone
5	22	387	169.00	252.70	437	653	failure at threaded zone
6	22	387	168.00	261.70	434	676	failure at threaded zone
7	22	387	171.00	246.70	442	637	failure at threaded zone
8	22	387	168.00	249.70	434	645	failure at threaded zone

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

Engr.Salam Shabbir
 Syed Brother (Pvt) Ltd. 24 CCA DHA Phase 5 Lhr.

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: Nil
SOM Lab Ref: CED/SOM/4930 (Page-1a/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 04-10-2024
Dated: 04-10-2024
Test Specification: ASTM-A 615
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	3.884	25	25.11	398	495	233.50	319.00	587	472	802	645	37.5	200	18.8	
2	3.852	25	25.00	398	491	232.00	317.00	583	473	797	647	37.5	200	18.8	
3	0.877	12	11.93	113	112	51.50	77.50	455	461	685	694	27.5	200	13.8	
4	0.872	12	11.89	113	111	52.00	77.00	460	469	681	694	27.5	200	13.8	
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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

Waqas Ali
Variant Gulberg 2, Lahore.

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

Client Reference: VA/29/142

Dated: 04-10-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4926 (Page-1/1)

Dated: 04-10-2024

ASTM-A-615

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	2.595	8	0.986	0.79	0.763	26.10	34.73	72850	75430	96960	100390	1.40	8.0	17.5	
2	2.610	8	0.988	0.79	0.767	26.10	34.71	72850	75040	96900	99810	1.30	8.0	16.3	
3	1.467	6	0.741	0.44	0.431	14.34	20.56	71890	73390	103060	105210	1.30	8.0	16.3	
4	1.478	6	0.743	0.44	0.434	14.44	20.66	72400	73400	103570	105000	1.20	8.0	15.0	
5	0.662	4	0.498	0.20	0.195	6.49	8.77	71610	73440	96670	99150	1.20	8.0	15.0	
6	0.665	4	0.498	0.20	0.195	6.54	8.87	72170	74020	97800	100300	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

Atiq Ur Rehman

Test Performed By:

Dr. /Engr. Irfan UI Hassan

Al-Hamd Engg Services Lahore.(Project Cola Next Phool Nagar Lahore)

Client Reference: Nil

SOM Lab

Ref: 4927 (Page-1/1)

Dated: Nil

Dated: 04-10-2024

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	1.511	6	0.752	0.44	0.444	13.35	19.72	66940	66330	98870	97980	1.60	8.0	20.0	
2	1.509	6	0.751	0.44	0.443	13.48	19.75	67550	67090	98970	98300	1.50	8.0	18.8	
3	1.043	5	0.625	0.31	0.307	10.11	13.68	71940	72650	97330	98280	1.40	8.0	17.5	
4	1.038	5	0.623	0.31	0.305	9.68	13.51	68900	70030	96090	97670	1.50	8.0	18.8	
5	0.652	4	0.494	0.20	0.192	6.49	8.66	71610	74590	95550	99530	1.20	8.0	15.0	
6	0.650	4	0.493	0.20	0.191	6.52	8.66	71940	75330	95550	100050	1.20	8.0	15.0	
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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

Engr M.Asif Javed
PM ESAC DHA Lahore.(Grand Central Mall Project Faisalabad)

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

Client Reference: ESAC/TGC/GCMF/173

SOM Lab

Ref: 4928 (Page-1/1)

Dated: 04-10-2024

Dated: 04-10-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-706

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	1.042	5	0.624	0.31	0.306	8.61	13.40	61280	62080	95370	96610	1.20	8.0	15.0	
2	1.041	5	0.624	0.31	0.306	8.97	14.12	63820	64660	100440	101760	1.10	8.0	13.8	
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BEND TEST:

# 5	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

Sohaib Ashraf
PM Guarantee Engineers (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: GE/PKGS/Site/001

SOM Lab

Ref: 4929 (Page-1/1)

Dated: 03-10-2024

Dated: 04-10-2024

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	0.668	4	0.500	0.20	0.196	7.44	9.17	82060	83730	101170	103230	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	7.41	9.07	81720	82970	100050	101570	1.00	8.0	12.5	
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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

Engr. Salman Shabbir
 Syed Brothers (Pvt) Ltd. 24CCA DHA Ph-5 Lahore

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: Nil
Dated: 04-10-2024

SOM Lab Ref: 4930(Page-1b/1)
Dated: 04-10-2024

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	1.484	6	0.745	0.44	0.436	13.86	18.81	69490	70130	94270	95140	1.40	8.0	17.5	
2	1.499	6	0.749	0.44	0.441	13.93	18.83	69850	69690	94370	94160	1.60	8.0	20.0	
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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

Engr. Muhammad Ashrif Bhatti

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM Barqaab Consulting Services (Pvt) Ltd.(500/220/132kV Nowshehra Substation)

Client Reference: 500kV/SS/N-LHR/BQB/310

SOM Lab

Ref:

4932 (Page-1/1)

Dated: 24-09-2024

Dated:

04-10-2024

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	0.666	4	0.500	0.20	0.196	6.60	9.02	72730	74210	99480	101510	1.00	8.0	12.5	
2	0.669	4	0.501	0.20	0.197	6.37	8.79	70260	71330	96900	98370	1.00	8.0	12.5	
3	0.671	4	0.501	0.20	0.197	6.57	8.92	72510	73610	98360	99860	1.10	8.0	13.8	
4	0.668	4	0.500	0.20	0.196	5.81	8.02	64080	65380	88470	90270	1.20	8.0	15.0	
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Witnessed By: Muhammad Farhan(Snr Engr Civil,Barqaab), Sajad Hussain (Sub Div Engr, NTDC Lahore)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
# 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

Sub Divisional officer,

BSD Sambrial.(Correctional Facilities Programe one at Distt Jail Sialkot)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference: 233/SMBL

Dated: 17-08-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 4933 (Page-1/1)

Dated: 04-10-2024

ASTM-A-615

Test Specification:

Sample Type:

Deformed Bar (Sheikhoo 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	2.570	8	0.980	0.79	0.755	24.74	33.49	69070	72270	93490	97820	1.30	8.0	16.3	
2	2.570	8	0.980	0.79	0.755	24.06	33.28	67160	70280	92920	97220	1.30	8.0	16.3	
3	1.486	6	0.746	0.44	0.437	14.17	18.93	71020	71510	94880	95540	1.50	8.0	18.8	
4	1.486	6	0.746	0.44	0.437	13.97	18.91	70000	70480	94780	95430	1.60	8.0	20.0	
5	0.647	4	0.492	0.20	0.190	6.42	8.05	70820	74550	88800	93480	1.00	8.0	12.5	
6	0.662	4	0.498	0.20	0.195	6.37	8.23	70260	72060	90720	93040	1.10	8.0	13.8	
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BEND TEST:

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

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

