

Engr Jaffar Rashid

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

Asst. General Manager Izhar Construction (Pvt) Ltd.(Const. Of BAT Office Building)

Client Reference: ICPL/BAT Office Building/Lab/02

Dated : 10-08-2023

SOM Lab Ref: CED/SOM/2678(Page-1/1)

Dated : 11-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Sheikhoo Steel)

Gauge Length: 200 m

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	m	%	
1	0.998	12	12.72	113	127	64.50	85.50	570	508	756	674	27.5	200	13.8	
2	0.993	12	12.69	113	127	63.20	85.20	559	500	753	674	30.0	200	15.0	
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BEND TEST:

12mm	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 Jaffar Rashid

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

Asst. General Manager Izhar Construction (Pvt) Ltd.(Const. Of BAT Office Building)

Client Reference: ICPL/BAT Office Building/Lab/02

Dated : 10-08-2023

SOM Lab Ref: CED/SOM/2679(Page-1/1)

Dated : 11-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Sheikhoo Steel)

Gauge Length: 200 m

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	m	%	
1	2.983	22	22.00	380	380	187.00	252.00	492	493	663	664	40.0	200	20.0	
2	2.982	22	21.99	380	380	183.70	246.00	483	484	647	648	37.5	200	18.8	
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BEND TEST:

22mm	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

Zia Mohy Uddin

Test Performed By: Dr. /Engr. Waseem Abbas

Civil Engineer NBC (Pepsi) Gujranwala.(Const Of ETP and Rain Water Collection Pit at NBC Guj)

Client Reference: Nil

Dated : 11-08-2023

SOM Lab Ref: CED/SOM/2684(Page-1/1)

Dated : 11-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

Gauge Length: m
200 m

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	m	%	
1	2.208	20	18.92	314	281	139.70	186.00	445	498	592	662	35.0	200	17.5	
2	2.187	20	18.84	314	279	137.00	184.20	436	492	586	662	37.5	200	18.8	
3	0.984	12	12.63	113	125	62.50	82.50	553	499	729	659	27.5	200	13.8	
4	0.980	12	12.61	113	125	63.70	82.50	563	511	729	662	30.0	200	15.0	
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BEND TEST:

20mm	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

Naveed Ahmad

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

Asst Dir Lab DHA Bahawalpur Cantonment.(Plot no. 553-C Ayesha Khadim DHAB)

Client Reference: 530/QC/MTL

SOM Lab

Ref: 2680 (Page-1/1)

Dated: 11-08-2023

Dated: 11-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Amreli 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	1.48 3	6	0.74 5	0.4 4	0.43 6	16.48	19.42	82620	83380	97340	98230	1.3 0	8. 0	16. 3	
2	0.58 7	4	0.46 9	0.2 0	0.17 3	6.65	8.07	73290	84730	89030	10292 0	1.1 0	8. 0	13. 8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Naveed Ahmad

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

Asst Dir Lab DHA Bahawalpur Cantonment.(Plot no. 999-C Saeed Malik DHAB)

Client Reference: 530/QC/MTL

SOM Lab

Ref: 2681 (Page-1/1)

Dated: 11-08-2023

Dated: 11-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (Naveena

Gauge Length: 8 inch

Sample Type: 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	1.525	6	0.755	0.44	0.448	13.71	17.69	68730	67500	88650	87070	1.50	8.00	18.8	
2	0.609	4	0.477	0.20	0.179	6.68	8.12	73630	82270	89590	100100	1.00	8.00	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Shehroz Iqbal

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

QA/QC Manager Amir Steel Re-Rolling Mills (Mehboob Group) Gujranwala.

Client Reference: Nil

SOM Lab

Ref: 2682 (Page-1/1)

Dated: 11-08-2023

Dated: 11-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Amir 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	2.65 3	8	0.99 7	0.7 9	0.78 0	25.28	34.66	70580	71480	96760	98000	1.3 0	8. 0	16. 3	
2	1.49 4	6	0.74 8	0.4 4	0.43 9	14.37	19.37	72050	72210	97080	97300	1.1 0	8. 0	13. 8	
3	0.66 1	4	0.49 7	0.2 0	0.19 4	6.37	8.31	70260	72430	91610	94450	1.2 0	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	
# 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

Amir Saleem

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

XEN GE (Air) Lahore.(Const Of P-1 Annexy At PAF Base Lahore)

Client Reference: 6000/15/E-2

SOM Lab

Ref:

2683 (Page-1/1)

Dated: 08-08-2023

Dated:

11-08-2023

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	1.493	6	0.748	0.44	0.439	14.88	18.96	74600	74770	95040	95250	1.40	8.00	17.5		
2	0.670	4	0.501	0.20	0.197	6.93	8.18	76440	77600	90150	91530	1.10	8.00	13.8		
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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

Syed Zahid Hussain, ME

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

NespaK, Gujranwala. (Const Of Dual Carriageway From GT Rd To Lahore-Sialkot Motorway)

Client Reference: 103/EW/GRW/TN/Lab/11

SOM Lab

Ref: 2685 (Page-1/1)

Dated: 11-08-2023

Dated: 11-08-2023

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	2.558	8	0.979	0.79	0.752	26.12	34.27	72910	76600	95680	100510	1.60	8.00	20.00	
2	2.570	8	0.980	0.79	0.755	25.48	33.59	71150	74450	93770	98120	1.50	8.00	18.80	
3	1.616	6	0.778	0.44	0.475	15.14	20.20	75880	70290	101270	93810	1.30	8.00	16.30	
4	1.616	6	0.778	0.44	0.475	15.16	20.25	75980	70380	101530	94050	1.30	8.00	16.30	
5	1.035	5	0.622	0.31	0.304	10.21	13.43	72670	74100	95510	97400	1.30	8.00	16.30	
6	1.033	5	0.622	0.31	0.304	10.11	13.37	71940	73360	95150	97030	1.20	8.00	15.00	
7	0.647	4	0.492	0.20	0.190	6.57	8.28	72510	76320	91280	96080	1.00	8.00	12.50	
8	0.646	4	0.492	0.20	0.190	6.63	8.51	73070	76910	93860	98800	1.10	8.00	13.80	
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Witnessed By: Zahid Hassan (NESPAK,ME)

BEND TEST:

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

Allied Bank
 Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

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

Client Reference: ABL-UML-AMC-QAQC-17A

SOM Lab

Ref: 2686 (Page-1/1)

Dated: 11-08-2023

Dated: 11-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Amreli 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	2.683	8	1.002	0.79	0.788	25.50	35.42	71200	71380	98890	99140	1.20	8.00	15.00	
2	2.665	8	0.998	0.79	0.783	26.01	35.60	72630	73280	99380	100260	1.30	8.00	16.30	
3	2.675	8	1.000	0.79	0.786	25.35	35.29	70780	71140	98520	99020	1.30	8.00	16.30	
4	0.668	4	0.500	0.20	0.196	7.34	8.66	80940	82590	95550	97500	1.40	8.00	17.50	
5	0.654	4	0.494	0.20	0.192	6.42	8.05	70820	73770	88800	92500	1.30	8.00	16.30	
6	0.666	4	0.500	0.20	0.196	7.21	8.72	79470	81100	96110	98070	1.40	8.00	17.50	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Ten Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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