

Engr. Jaffar Rashid
Sr. Project Manager IZHAR Construction (Pvt) Ltd. Lahore

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

Client Reference: ICPL/NHO/LAB/21/05

Dated: 20-08-2021

SOM Lab Ref: CED/SOM/4831(Page-1/1)

Dated: 20-08-2021

Test: Tension Test & bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Mughal Steel)

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	0.980	12	12.62	113	125	61.50	80.20	544	492	709	642	30.0	200	15.0	
2	0.977	12	12.59	113	124	62.20	82.00	550	500	725	659	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

Resident Engineer OCL FIAP (ER-OCL)
Faisalabad

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Client Reference: OCL/C-126/CAA-FIAP/2021/3008/681

Dated: 30-08-02021

SOM Lab Ref: CED/SOM/4894(Page-1/1)

Dated: 31-08-2021

Test: Tension Test Bend Test

Test Specification: ASTM-A-615

Sample Type: M S Deformed (FF Steel)

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	1.008	12	12.77	113	128	67.20	90.50	594	525	800	708	35.0	200	17.5	
2	1.010	12	12.80	113	129	58.70	82.20	519	457	727	640	37.5	200	18.8	
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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

Sohail Afzal
Sr. Project Manager IZHAR GROUP OF COMPANIES, Lahore

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

Client Reference: ICPL/CONST-DML/21/56

Dated: 31-08-2021

SOM Lab Ref: CED/SOM/4896(Page-1/1)

Dated: 31-08-2021

Test: Tension Test

Test Specification: ASTM-A 307

Sample Type: L- Bolt

Gauge Length: 250 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	3.499	24	23.83	380	446	147.00	214.70	387	330	565	482	52.5	250	21.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Asim Ishaq

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Principal, The Trust School, Aamir Town Harbanspura, Lahore

Client Reference: SBL/2021/UET-TEDDS/1223

SOM Lab Ref: 4830(Page-1/1)

Dated: 20-08-2021

Dated: 20-08-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed

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	2.609	8	0.988	0.79	0.767	26.25	35.32	73280	75480	98610	101560	1.30	8.0	16.3	
2	0.157	6	0.242	0.44	0.046	14.12	20.08	70770	676880	100660	962770	1.20	8.0	15.0	
3	0.655	4	0.494	0.20	0.192	5.78	8.12	63740	66390	89590	93320	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	
# 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

Asif Nadeem Khawar

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Resident Engineer, Metroplan-Asian JV, Site Office Talagang Road Mianwali

Client Reference: Metroplan Asian JV-Nexus-MMCH-RE-10 **SOM Lab Ref:** 4833(Page-1/1)

Dated: 13-08-2021

Dated: 20-08-2021

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	1.511	6	0.752	0.44	0.444	14.85	20.61	74450	73780	103310	102380	1.20	8.0	15.0	
2	1.497	6	0.748	0.44	0.440	14.27	20.05	71540	71540	100500	100500	1.30	8.0	16.3	
3	0.674	4	0.502	0.20	0.198	6.85	9.04	75540	76300	99710	100710	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	6.44	9.02	71040	72130	99480	101000	1.20	8.0	15.0	
5	0.670	4	0.501	0.20	0.197	6.54	9.12	72170	73270	100610	102140	1.20	8.0	15.0	
6	0.676	4	0.503	0.20	0.199	6.47	9.04	71380	71740	99710	100210	1.10	8.0	13.8	
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BEND TEST:

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

M. Saleem Construction Comp:
Engineers & Contractors, Lahore Road Sheikhpura

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

Client Reference: Steel Test (N.T.N. 2872696 - 7)

SOM Lab Ref: 4834(Page-1/1)

Dated: 20-08-2021

Dated: 20-08-2021

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	2.620	8	0.990	0.79	0.770	23.14	32.28	64600	66280	90130	92470	1.70	8.0	21.3	
2	1.455	6	0.738	0.44	0.428	13.46	18.55	67450	69340	92990	95600	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	6.52	8.77	71940	73790	96670	99150	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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL/Steel/0113

SOM Lab Ref: 4835-36(Page-1/1)

Dated: 17-08-2021

Dated: 20-08-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	1.510	6	0.752	0.44	0.444	13.86	19.16	69490	68870	96060	95190	1.00	8.0	12.5	
2	1.496	6	0.748	0.44	0.440	13.32	18.50	66780	66780	92740	92740	1.30	8.0	16.3	
3	1.528	6	0.756	0.44	0.449	14.93	19.78	74860	73360	99130	97140	1.30	8.0	16.3	
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Witnessed By: Rafi Ullah(IHPL) & Ali Hasnain Khan, Jr. Planing Engineer, Kingcrete Builders.

BEND TEST:

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