

Mian Muhammad Saleem

Test Performed By:

Dr. /Engr.

Wasim Abbas

MPM RFL-Project, Banu Mukhtar (Contracting (Pvt)Ltd.(Quid-e-Azam Business Park,SKP)

Client Reference: Nil

Dated: 10-12-2021

SOM Lab Ref: CED/SOM/5460(Page-1/1)

Dated: 14-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Agha 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	3.882	25	25.08	491	494	239.70	338.20	488	486	689	685	37.5	200	18.8	
2	3.906	25	25.17	491	498	238.50	335.00	486	480	682	674	37.5	200	18.8	
3	2.496	20	20.12	314	318	155.70	210.00	496	490	668	661	30.0	200	15.0	
4	2.491	20	20.10	314	317	157.00	209.50	500	495	667	661	25.0	200	12.5	
5	0.889	12	12.01	113	113	52.70	70.70	466	466	625	624	25.0	200	12.5	
6	0.893	12	12.03	113	114	53.80	71.70	476	474	634	631	32.5	200	16.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Israr Ullah Khan

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

RE Nespak.(Const. of underpass Across Bedian Rd. Connecting Ph-VI with Ph-IX,DHA LHR)

Client Reference: 3790/102/IUK/01/11

SOM Lab

Ref:

5461(Page-1/1)

Dated: 10-12-2021

Dated:

14-12-2021

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	2.540	8	0.975	0.79	0.746	29.02	37.28	81020	85800	104070	110210	1.30	8.0	16.3	
2	2.609	8	0.988	0.79	0.767	28.19	35.75	78690	81050	99800	102800	1.50	8.0	18.8	
3	2.593	8	0.985	0.79	0.762	28.05	35.63	78320	81200	99460	103120	1.30	8.0	16.3	
4	2.606	8	0.988	0.79	0.766	27.17	34.22	75840	78220	95530	98530	1.60	8.0	20.0	
5	2.584	8	0.983	0.79	0.759	26.93	33.25	75190	78260	92830	96620	1.30	8.0	16.3	
6	2.582	8	0.983	0.79	0.759	30.30	38.43	84580	88030	107290	111670	1.20	8.0	15.0	
7	1.506	6	0.751	0.44	0.443	14.93	19.11	74860	74350	95800	95160	1.20	8.0	15.0	
8	1.517	6	0.754	0.44	0.446	16.18	20.15	81090	80000	101020	99660	1.10	8.0	13.8	
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BEND TEST:

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

Israr Ullah Khan

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

RE Nespak.(Const. of underpass Across Bedian Rd. Connecting Ph-VI with Ph-IX,DHA LHR)

Client Reference: 3790/102/IUK/01/11

SOM Lab

Ref: 5461(Page-2/2)

Dated: 10-12-2021

Dated: 14-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (FF

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	1.446	6	0.736	0.44	0.425	13.63	19.11	68320	70730	95800	99190	1.10	8.0	13.8	
2	1.462	6	0.740	0.44	0.430	14.60	18.96	73170	74870	95040	97250	1.00	8.0	12.5	
3	0.679	4	0.505	0.20	0.200	7.00	9.28	77230	77230	102290	102290	1.30	8.0	16.3	
4	0.649	4	0.493	0.20	0.191	6.32	8.15	69700	72980	89930	94170	1.40	8.0	17.5	
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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 Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0158
Dated: 13-12-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5462(Page-1/2)
Dated: 14-12-2021
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	2.651	8	0.996	0.79	0.779	27.47	34.76	76700	77780	97040	98410	1.30	8.0	16.3	
2	2.686	8	1.002	0.79	0.789	26.71	34.61	74560	74660	96620	96740	1.40	8.0	17.5	
3	2.677	8	1.001	0.79	0.787	26.47	34.53	73910	74190	96390	96760	1.50	8.0	18.8	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hasnain Khan,(Kingcrete Builders)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five Samples Received and Tested
# 8	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. S.Asad Ali Gillani

Client Reference: IHPL/Steel/0157
Dated: 13-12-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5462(Page-2/2)
Dated: 14-12-2021
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	2.678	8	1.001	0.79	0.787	25.61	34.63	71490	71760	96670	97040	1.30	8.0	16.3	
2	2.731	8	1.011	0.79	0.803	26.12	35.02	72910	71730	97750	96170	1.40	8.0	17.5	
3	2.670	8	1.000	0.79	0.785	25.74	34.48	71860	72320	96250	96860	1.30	8.0	16.3	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hasnain Khan,(Kingcrete Builders)

BEND TEST:

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

Maj Adnan Khalid (R)

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

Dy Dir MTL,DHA LHR,(Const. Of 18 Green Apartment Complex DRGCC DHA Ph-VI (M/s Construct)

Client Reference: 408/241/E/Lab/181/51

SOM Lab

Ref: 5463(Page-1/1)

Dated: 14-12-2021

Dated: 14-12-2021

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	0.657	4	0.496	0.20	0.193	6.54	8.94	72170	74790	98580	102160	1.10	8.0	13.8	
2	0.660	4	0.497	0.20	0.194	6.60	9.04	72730	74980	99710	102790	1.30	8.0	16.3	
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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

XEN Shahzad Wahid

Test Performed By:

Dr. /Engr. Wasim Abbas

GE(Army)-I Gwa.(Const. Of 8xD Type Flats (G+3) at Gwa Cantt.)

Client Reference: 6180-2424/28/E-6

SOM Lab

Ref: 5464(Page-1/1)

Dated: 06-10-2021

Dated:

14-12-2021

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	2.594	8	0.985	0.79	0.762	23.98	33.44	66940	69390	93340	96770	1.40	8.0	17.5	
2	2.597	8	0.986	0.79	0.763	24.23	33.64	67650	70040	93910	97240	1.40	8.0	17.5	
3	1.489	6	0.747	0.44	0.438	14.02	18.32	70260	70580	91820	92240	1.20	8.0	15.0	
4	1.468	6	0.741	0.44	0.431	14.19	18.37	71130	72610	92070	94000	1.20	8.0	15.0	
5	1.041	5	0.624	0.31	0.306	10.57	13.91	75210	76190	98990	100290	1.00	8.0	12.5	
6	1.048	5	0.626	0.31	0.308	10.60	13.86	75420	75910	98630	99270	1.10	8.0	13.8	
7	0.660	4	0.497	0.20	0.194	6.29	8.23	69360	71500	90720	93520	1.20	8.0	15.0	
8	0.668	4	0.500	0.20	0.196	6.39	8.36	70480	71920	92180	94060	1.20	8.0	15.0	
9	0.659	4	0.497	0.20	0.194	7.21	9.02	79470	81930	99480	102560	1.10	8.0	13.8	
10	0.663	4	0.498	0.20	0.195	7.31	9.09	80600	82670	100270	102840	1.20	8.0	15.0	

BEND TEST:

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

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