Asim Naeem
ASM Steel Building`s Lahore.

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/905(Page-1/1)
Test: Tension Test
Sample Type: J Bolt (20x710mm)

Dated: 13-09-2022
Dated: 13-09-2022
Test Specification: ASTM-F-1554
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	2.468	20	20.00	314	314	151.50	180.70	482	483	575	576	37.5	200	18.8	
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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

Fast Engineering.
Lahore.(New Lahore City)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/906(Page-1/1)
Test: Tension Test
Sample Type: J Bolt

Dated: 12-09-2022
Dated: 13-09-2022
Test Specification: ASTM-F-1554
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	3.093	22	22.40	380	394	133.50	202.70	351	339	533	515	55.0	200	27.5	
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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

HS Steel Traders
Lahore.

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

Client Reference: Nil
Dated: 12-09-2022

SOM Lab Ref: 901,910 (Page-1/1)
Dated: 13-09-2022

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	2.723	8	1.009	0.79	0.800	23.79	38.20	66420	65590	106630	105300	1.30	8.0	16.3	
2	1.505	6	0.750	0.44	0.442	16.70	21.79	83700	83320	109240	108750	1.00	8.0	12.5	
3	0.683	4	0.506	0.20	0.201	6.39	9.80	70480	70130	108030	107490	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Manzoor Akhtar **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

SM Associates Lahore.(15A Ali Block,New Garden Town Lahore)

SOM Lab

Client Reference: NIL **Ref:** 903 (Page-1/1)

Dated: 13-09-2022 **Dated:** 13-09-2022

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	2.696	8	1.004	0.79	0.792	22.50	35.24	62810	62650	98380	98130	1.50	8.0	18.8	
2	2.668	8	0.999	0.79	0.784	22.27	34.42	62180	62660	96100	96840	1.60	8.0	20.0	
3	1.455	6	0.738	0.44	0.428	14.42	19.62	72300	74330	98360	101120	1.20	8.0	15.0	
4	1.463	6	0.740	0.44	0.430	14.37	18.88	72050	73720	94630	96830	1.20	8.0	15.0	
5	0.660	4	0.497	0.20	0.194	6.03	8.82	66550	68610	97230	100240	1.40	8.0	17.5	
6	0.655	4	0.494	0.20	0.192	5.86	9.12	64640	67330	100610	104800	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Wasim Abbas

HSD Mian Channu.(Const Of Underpass At Khanewal-Sahiwal Sec near Raiway Crossing Mian Channu)

Client Reference: 51/SDO MC **SOM Lab Ref:** 904 (Page-1/1)

Dated: 08-09-2022 **Dated:** 13-09-2022

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	2.699	8	1.005	0.79	0.793	23.77	32.49	66370	66120	90700	90350	1.60	8.0	20.0	
2	1.597	6	0.773	0.44	0.469	16.16	19.72	80990	75980	98870	92760	1.40	8.0	17.5	
3	0.673	4	0.502	0.20	0.198	7.92	9.33	87340	88230	102860	103890	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Qaisar Abbas **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Project Dir, IDAP.(Pilot Program For Hub And Spoke Model At Zahir Pir Rahim Yar Khan)

Client Reference: PD/ZP/IDAP/SO/2022/30 **SOM Lab Ref:** 907 (Page-1/1)

Dated: 02-09-2022 **Dated:** 13-09-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Five Mega Star)

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	1.492	6	0.747	0.44	0.438	12.08	19.16	60550	60830	96060	96500	1.20	8.0	15.0	
2	1.458	6	0.738	0.44	0.428	11.59	18.45	58100	59730	92480	95080	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	5.63	8.56	62050	63640	94420	96850	1.20	8.0	15.0	
4	0.673	4	0.502	0.20	0.198	5.71	8.66	62950	63590	95550	96510	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Col Tajamal Hussain Riaz ® **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

RE ACE Ltd.Multan.(Const Of Govt Officer`s Residences In South Punjab Secretariat)

Client Reference: ACE/RE/GOR/2022/109 **SOM Lab Ref:** 908 (Page-1/1)

Dated: 12-09-2022 **Dated:** 13-09-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FF 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	2.621	8	0.990	0.79	0.770	23.96	33.84	66880	68620	94480	96940	1.60	8.0	20.0	
2	2.604	8	0.987	0.79	0.765	23.77	33.54	66370	68540	93630	96690	1.50	8.0	18.8	
3	1.461	6	0.739	0.44	0.429	13.07	19.06	65510	67190	95550	98000	1.10	8.0	13.8	
4	1.463	6	0.740	0.44	0.430	13.00	19.13	65150	66660	95910	98140	1.40	8.0	17.5	
5	0.672	4	0.501	0.20	0.197	5.83	8.02	64300	65280	88470	89810	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	5.96	8.00	65760	66760	88240	89590	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Col Tajamal Hussain Riaz ® **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

RE ACE Limited.Multan.(Secretariat Office Building Multan & Allied Work)

Client Reference: ACE/RE/CSM/2022/331 **SOM Lab Ref:** 909 (Page-1/1)

Dated: 12-09-2022 **Dated:** 13-09-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FF 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	0.652	4	0.494	0.20	0.192	6.73	9.40	74190	77280	103640	107960	1.10	8.0	13.8	
2	0.656	4	0.496	0.20	0.193	6.44	8.99	71040	73620	99150	102740	1.20	8.0	15.0	
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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