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

Henan D.R.Construction Group.,Ltd.(Challenge Special Economic Zone)

Client Reference: Nil **SOM Lab Ref:** 1028(Page-1/1)

Dated: 05-10-2022 **Dated:** 05-10-2022

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

Guage Length: 200 mm **Sample Type:** MS 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	0.924	12.4	12.26	113	118	75.00	88.00	664	636	779	746	20.0	200	10.0	
2	0.930	12.4	12.28	113	118	72.50	84.00	642	612	743	710	22.5	200	11.3	
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BEND TEST:

12.4mm	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

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

RE ESAC Sec A Civ Work,DHA Multan.(Civil Infrastructure Dev Works Pkg-2 Sec A DHA Multan)

Client Reference: ESAC/Sec A(Exten) Civ Work/0121 **SOM Lab Ref:** 1031(Page-1/1)

Dated: 03-10-2022 **Dated:** 05-10-2022

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

Guage Length: 200 mm **Sample Type:** MS 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.962	12	12.51	113	123	63.70	82.50	564	518	730	671	27.5	200	13.8	
2	0.960	12	12.48	113	122	63.20	82.50	559	517	730	675	27.5	200	13.8	
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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

Hamid Iqbal Paracha (CE) **Test Performed By:** **Dr. /Engr.** Wasim Abbas

First And Fast Const Co.(Ext Main Bldg At Master Auto Engg.Pvt.Ltd at Plot No 315.316 Sahiawala)

Client Reference: FNF/ST/002 **Dated:** 17-08-2022

SOM Lab Ref: CED/SOM/1030(Page-1/1) **Dated:** 05-10-2022

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

Sample Type: Deformed Bar **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	3.941	25	25.28	491	502	265.20	363.70	540	529	741	725	27.5	200	13.8	
2	3.942	25	25.29	491	502	273.50	368.00	557	545	750	733	30.0	200	15.0	
3	2.230	20	19.02	314	284	140.50	200.70	447	495	639	707	30.0	200	15.0	
4	2.245	20	19.08	314	286	156.50	207.00	498	548	659	724	25.0	200	12.5	
5	0.952	12	12.43	113	121	68.20	87.20	603	563	771	720	27.5	200	13.8	
6	0.949	12	12.40	113	121	66.70	84.00	590	552	743	696	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Engr. Zahid Hussain **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Director,Innovative ® Const. Company,Lahore.(Const Of TIM Hortons Phase 6 DHA Lahore)

Client Reference: ICC/TH/1022/004 **SOM Lab Ref:** 1027 (Page-1/1)

Dated: 03-10-2022 **Dated:** 05-10-2022

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	2.634	8	0.993	0.79	0.774	26.30	33.64	73420	74940	93910	95850	1.40	8.0	17.5	
2	2.628	8	0.991	0.79	0.772	26.61	34.15	74280	76010	95340	97560	1.50	8.0	18.8	
3	1.484	6	0.745	0.44	0.436	16.21	20.03	81240	81990	100400	101320	1.50	8.0	18.8	
4	1.489	6	0.747	0.44	0.438	16.36	20.08	82010	82380	100660	101120	1.00	8.0	12.5	
5	0.682	4	0.505	0.20	0.200	7.34	9.33	80940	80940	102860	102860	1.10	8.0	13.8	
6	0.657	4	0.496	0.20	0.193	6.78	8.74	74750	77470	96340	99830	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

Muhammad Akhtar Brigadier ®
PD New Metro City Housing Scheme,Sara-I-Alamgir

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

Client Reference: BSM/NMC/QA/105
Dated: 04-10-2022

SOM Lab Ref: 1032 (Page-1/1)
Dated: 05-10-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (AF 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	1.509	6	0.751	0.44	0.443	13.76	19.39	68980	68510	97180	96530	1.30	8.0	16.3	
2	0.668	4	0.500	0.20	0.196	6.54	8.82	72170	73640	97230	99220	1.30	8.0	16.3	
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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 Four Samples Received and Tested

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

Muhammad Akhtar Brigadier ® **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PD New Metro City Housing Scheme,Sara-I-Alamgir

SOM Lab Ref: 1032 (Page-1/1)

Client Reference: BSM/NMC/QA/105

Dated: 04-10-2022

Dated: 05-10-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AF 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	1.509	6	0.751	0.44	0.443	13.76	19.39	68980	68510	97180	96530	1.30	8.0	16.3	
2	0.668	4	0.500	0.20	0.196	6.54	8.82	72170	73640	97230	99220	1.30	8.0	16.3	
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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 Four Samples Received and Tested

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