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

D.I.Khan.(Const Of Tsunami Excavation Shelters at Distt Gawadar,Baluchistan)

Client Reference: WCS/2022=UNDO=122/3 **Dated:** 12-12-2022

SOM Lab Ref: CED/SOM/1524(Page-1/2) **Dated:** 03-01-2023

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	1.643	16	16.31	201	209	120.00	141.70	597	575	705	678	27.5	200	13.8	
2	1.002	13	12.75	133	128	73.50	92.70	554	577	698	727	40.0	200	20.0	
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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

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

D.I.Khan.(Const Of Tsunami Excavation Shelters at Distt Gawadar,Baluchistan)

Client Reference: WCS/2022=UNDO=122/3 **Dated:** 12-12-2022

SOM Lab Ref: CED/SOM/1524(Page-2/2) **Dated:** 03-01-2023

Test: Tension Test & Bend Test **Test Specification:** ASTM-F 1554

Sample Type: J Bolts **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	2.269	20	19.18	314	289	106.70	155.20	340	370	494	538	45.0	200	22.5	
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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

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/127 **SOM Lab Ref:** 1523 (Page-1/1)

Dated: 02-01-2023 **Dated:** 03-01-2023

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	2.671	8	1.000	0.79	0.785	24.16	34.07	67450	67880	95110	95710	1.40	8.0	17.5	
2	2.674	8	1.000	0.79	0.786	22.96	32.51	64090	64420	90750	91220	1.40	8.0	17.5	
3	2.672	8	1.000	0.79	0.785	23.85	33.86	66590	67020	94540	95140	1.40	8.0	17.5	
4	1.543	6	0.759	0.44	0.453	15.51	19.72	77770	75540	98870	96030	1.30	8.0	16.3	
5	1.543	6	0.759	0.44	0.453	15.39	19.69	77160	74940	98720	95880	1.20	8.0	15.0	
6	1.540	6	0.759	0.44	0.453	15.49	19.67	77670	75440	98610	95780	1.30	8.0	16.3	
7	0.667	4	0.500	0.20	0.196	6.88	8.33	75880	77430	91840	93710	1.00	8.0	12.5	
8	0.666	4	0.500	0.20	0.196	6.85	8.51	75540	77080	93860	95780	1.00	8.0	12.5	
9	0.668	4	0.500	0.20	0.196	7.03	8.61	77560	79150	94990	96930	0.90	8.0	11.3	
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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 Twelve Samples Received and Tested

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

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

AEE-II CCD Pak PWD Guj.(Enh/Expansion Of Building Infra Of NHMP Training College Skp,Ph-II)

Client Reference: AEE-II/CCD/GA/Work/NHMP/P-II/Lab/91 **SOM Lab Ref:** 1525 (Page-1/1)

Dated: 25-11-2022 **Dated:** 03-01-2023

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	1.477	6	0.743	0.44	0.434	11.67	18.40	58510	59320	92230	93500	1.50	8.0	18.8	
2	1.483	6	0.745	0.44	0.436	11.64	18.40	58350	58890	92230	93070	1.40	8.0	17.5	
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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

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

ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

Client Reference: DOC-BMC/AJWA/039 **SOM Lab Ref:** 1526 (Page-1/1)

Dated: 02-01-2023 **Dated:** 03-01-2023

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	2.673	8	1.000	0.79	0.786	24.57	34.91	68590	68930	97470	97970	1.30	8.0	16.3	
2	2.645	8	0.995	0.79	0.777	24.54	34.32	68500	69650	95820	97420	1.40	8.0	17.5	
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BEND TEST:

# 8	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

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

PD Ghurkki Trust & Teaching Hospital Lahore.(Const Of Ghurkki Medical and dental College)

Client Reference: GTTH/36/23 **SOM Lab Ref:** 1527 (Page-1/1)

Dated: 02-01-2023 **Dated:** 03-01-2023

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	2.670	8	1.000	0.79	0.785	24.74	34.71	69070	69510	96900	97520	1.30	8.0	16.3	
2	2.629	8	0.992	0.79	0.773	24.94	34.78	69640	71170	97100	99240	1.70	8.0	21.3	
3	1.489	6	0.747	0.44	0.438	14.95	19.80	74960	75300	99230	99680	1.40	8.0	17.5	
4	1.497	6	0.748	0.44	0.440	14.65	19.64	73430	73430	98460	98460	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

Note:-

Only Six Samples Received and Tested

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

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

PD Ghurkki Trust & Teaching Hospital Lahore.(Const Of Ghurkki Medical and dental College)

Client Reference: GTTH/36/23 **SOM Lab Ref:** 1527 (Page-1/1)

Dated: 02-01-2023 **Dated:** 03-01-2023

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	2.670	8	1.000	0.79	0.785	24.74	34.71	69070	69510	96900	97520	1.30	8.0	16.3	
2	2.629	8	0.992	0.79	0.773	24.94	34.78	69640	71170	97100	99240	1.70	8.0	21.3	
3	1.489	6	0.747	0.44	0.438	14.95	19.80	74960	75300	99230	99680	1.40	8.0	17.5	
4	1.497	6	0.748	0.44	0.440	14.65	19.64	73430	73430	98460	98460	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

Note:-

Only Six 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

Client Reference: BSM/NMC/QA/108 **Ref:** 1528 (Page-1/1)

Dated: 31-12-2022 **Dated:** 03-01-2023

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	2.573	8	0.981	0.79	0.756	26.40	34.66	73710	77020	96760	101110	1.30	8.0	16.3	
2	1.488	6	0.746	0.44	0.437	16.23	20.54	81340	81900	102960	103660	1.40	8.0	17.5	
3	1.032	5	0.621	0.31	0.303	9.79	13.20	69620	71230	93920	96090	1.40	8.0	17.5	
4	0.673	4	0.502	0.20	0.198	6.57	8.53	72510	73240	94090	95040	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
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Eight Samples Received and Tested

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

Test Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore

(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2023/105/(390) Dated: 03-01-2023
SOM Lab Ref:CED/SOM/1522 (Page 1/2) Dated: 03-01-2023
Test: Tensile Test
Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm^2)	kN	kN	(Mpa)	(Mpa)	
1	16	201	94.5	109.5	470	545	Steel Breaks from Threaded Portions
2	16	201	93.0	109.0	463	542	Steel Breaks from Threaded Portions

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

t Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore

(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2023/106/(80) Dated: 03-01-2023
SOM Lab Ref:CED/SOM/1522 (Page 2/2) Dated: 03-01-2023
Test: Tensile Test
Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm^2)	kN	kN	(Mpa)	(Mpa)	
1	22	380	176.0	230.5	463	607	Steel Breaks from Threaded Portions

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