Engr. Zaheer Ud Din Babar **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Dy.General Manager Projects,HRL.(Const Of Sky Gardens Tower, Lahore)

Client Reference: HRLE/SKG/2022/031 **Dated:** 06-06-2022

SOM Lab Ref: CED/SOM/436(Page-1/1) **Dated:** 06-06-2022

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

Sample Type: M S Deformed Bar (AFCO 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	3.059	22	22.28	380	390	173.70	268.20	457	446	706	688	37.5	200	18.8	
2	3.039	22	22.20	380	387	179.50	281.20	472	464	740	727	35.0	200	17.5	
3	3.026	22	22.16	380	386	172.70	266.20	454	448	700	691	37.5	200	18.8	
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BEND TEST:

22mm	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

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

PM ICPL (OMBRe' Holding Pvt Ltd Raiwind,Lahore)

Client Reference: OMBRe'/Mughal/Steel/007 **Dated:** 06-06-2022

SOM Lab Ref: CED/SOM/439 (Page-1/1) **Dated:** 06-06-2022

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

Sample Type: M S 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	3.905	25	25.16	491	497	274.00	337.50	558	552	688	680	35.0	200	17.5	
2	3.915	25	25.20	491	499	273.20	337.00	557	548	687	676	32.5	200	16.3	
3	2.403	20	19.74	314	306	162.20	204.20	516	530	650	667	30.0	200	15.0	
4	2.407	20	19.76	314	307	167.50	206.70	533	547	658	675	32.5	200	16.3	
5	1.554	16	15.88	201	198	103.50	126.50	515	523	629	639	27.5	200	13.8	
6	1.552	16	15.87	201	198	105.70	130.50	526	535	649	660	30.0	200	15.0	
7	0.898	12	12.07	113	114	63.00	79.70	557	551	705	697	27.5	200	13.8	
8	0.892	12	12.03	113	114	60.00	73.00	531	529	645	643	22.5	200	11.3	
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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
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

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

M.E AS Enterprises (Project: Style Textile Manga,Knitting 3 ETP 3)

Client Reference: STR/ASE/01 **Dated:** 06-06-2022

SOM Lab Ref: CED/SOM/442(Page-1/1) **Dated:** 06-06-2022

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

Sample Type: MS Deformed Bar (Mughal) **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	3.936	25	25.26	491	501	267.20	344.50	544	534	702	688	30.0	200	15.0	
2	3.955	25	25.33	491	504	263.00	334.70	536	522	682	665	32.5	200	16.3	
3	2.410	20	19.77	314	307	167.50	211.20	533	546	672	688	30.0	200	15.0	
4	2.380	20	19.65	314	303	165.50	210.20	527	546	669	694	30.0	200	15.0	
5	1.573	16	15.97	201	200	108.50	133.20	540	542	662	665	27.5	200	13.8	
6	1.580	16	16.01	201	201	105.70	129.00	526	526	642	641	30.0	200	15.0	
7	0.888	12	12.00	113	113	63.20	77.20	559	559	683	683	25.0	200	12.5	
8	0.912	12	12.16	113	116	64.00	81.20	566	552	718	700	22.5	200	11.3	
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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
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Muneeb Ahmad Tarar **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Project Engr.Centure Ventures Pvt.Ltd, Lahore (Century 1)

Client Reference: CV1/SRT/05 **SOM Lab Ref:** 434 (Page-1/1)

Dated: 04-06-2022 **Dated:** 06-06-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Ittefaq 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	2.594	8	0.985	0.79	0.762	26.15	33.66	73000	75680	93970	97420	1.10	8.0	13.8	
2	2.585	8	0.984	0.79	0.760	26.45	33.66	73850	76770	93970	97680	1.00	8.0	12.5	
3	0.646	4	0.492	0.20	0.190	5.45	8.18	60140	63310	90150	94900	1.30	8.0	16.3	
4	0.647	4	0.492	0.20	0.190	5.50	8.23	60700	63900	90720	95490	1.40	8.0	17.5	
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BEND TEST:

# 8	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

Sub Divisional officer,
BSD Chakwal.(Estb Of Uni Of Chakwal /Const Of Female Student Hostel Ground /First Floor)

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

Client Reference: 559/CkL
Dated: 15-04-2022

SOM Lab Ref: 435 (Page-1/1)
Dated: 06-06-2022

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	2.647	8	0.995	0.79	0.778	27.14	33.79	75760	76930	94340	95790	0.90	8.0	11.3	
2	1.494	6	0.748	0.44	0.439	15.39	19.22	77160	77330	96320	96530	1.30	8.0	16.3	
3	0.662	4	0.498	0.20	0.195	7.24	8.87	79810	81860	97800	100300	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

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

PM State Grid CEPET.(500Kv D/C Transmission Line Nokhar S/S-Lahore North S/S-Lahore)

Client Reference: CET/ADB-301A/SEC-II/UET-22-550 **SOM Lab Ref:** 437 (Page-1/1)

Dated: 06-06-2022 **Dated:** 06-06-2022

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	2.603	8	0.987	0.79	0.765	23.82	32.08	66510	68680	89560	92490	1.70	8.0	21.3	
2	2.626	8	0.991	0.79	0.772	24.99	33.35	69780	71410	93120	95290	1.40	8.0	17.5	
3	1.495	6	0.748	0.44	0.439	13.00	19.03	65150	65300	95400	95610	1.30	8.0	16.3	
4	1.449	6	0.736	0.44	0.426	12.69	18.60	63620	65710	93250	96310	1.30	8.0	16.3	
5	1.456	6	0.738	0.44	0.428	12.97	18.96	65000	66820	95040	97700	1.30	8.0	16.3	
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Witnessed By: Ibrar Ahmad (NESPAK),Engr.Usama Ghafor (P.E,CET)

BEND TEST:

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

Note:-

Only Ten Samples Received and Tested

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

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

Building Standards Lahore.(Extracted From Commercial Plaza At Main Boulevard,Gulberg,Lahore)

Client Reference: GT/LTR/220606-055 **SOM Lab Ref:** 438 (Page-1/1)

Dated: 06-06-2022 **Dated:** 06-06-2022

Test: Tension Test & Bend Test **Test Specification:** BS-4449 Tor

Gauge Length: 1 1 **Sample Type:** 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	1.056	6	0.628	0.44	0.310	11.62	14.27	58250	82680	71540	101530	0.60	4.0	15.0	AB/5
2	0.989	6	0.609	0.44	0.291	6.12	9.23	30660	46360	46240	69920	0.80	4.0	20.0	EF/6-7
3	0.492	5	0.430	0.31	0.145	3.18	4.45	22630	48380	31700	67760	0.70	3.0	23.3	EF/6-7
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BEND TEST:

--	No Bend test performed

Note:-

Only Three Samples Received and Tested

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

Barkallah Tahir,PE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

RE Sitara Heights.(Sitara 3-Jays Tower Firdous Market Lahore)

Client Reference: SHPL/3JAYS/LHR/09 **SOM Lab Ref:** 440 (Page-1/1)

Dated: 02-06-2022 **Dated:** 06-06-2022

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	2.577	8	0.982	0.79	0.757	21.83	34.07	60960	63620	95110	99250	1.00	8.0	12.5	
2	2.581	8	0.982	0.79	0.758	21.41	33.49	59760	62290	93490	97430	1.20	8.0	15.0	
3	1.473	6	0.743	0.44	0.433	13.05	19.90	65400	66460	99740	101350	1.00	8.0	12.5	
4	1.475	6	0.743	0.44	0.433	13.00	19.93	65150	66200	99890	101510	1.00	8.0	12.5	
5	0.656	4	0.496	0.20	0.193	5.63	8.15	62050	64300	89930	93190	1.00	8.0	12.5	
6	0.651	4	0.493	0.20	0.191	5.66	8.21	62390	65330	90490	94750	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 Nine Samples Received and Tested

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

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

RE NESPAK Singhpura Sports Complex,Lahore.(Estb Of Sports Complex In Singh Pura Lhr)

Client Reference: 3772/103/NA122/RE/05/01 **SOM Lab Ref:** 443 (Page-1/1)

Dated: 18-05-2022 **Dated:** 06-06-2022

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	2.695	8	1.004	0.79	0.792	24.38	35.55	68070	67900	99230	98980	1.20	8.0	15.0	
2	2.711	8	1.007	0.79	0.797	24.57	36.21	68590	67980	101080	100200	1.30	8.0	16.3	
3	1.493	6	0.748	0.44	0.439	14.65	20.56	73430	73590	103060	103290	1.20	8.0	15.0	
4	1.507	6	0.751	0.44	0.443	14.70	20.51	73680	73180	102800	102110	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	6.78	8.72	74750	76670	96110	98580	1.10	8.0	13.8	
6	0.671	4	0.501	0.20	0.197	6.32	8.36	69700	70760	92180	93580	1.10	8.0	13.8	
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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

BSD Chunian(Re-Const Of 02-Nos Dengrous ClassRooms In GGHS Hussain Khan Wala Chak No.8)

Client Reference: 74/Ch **SOM Lab Ref:** 444 (Page-1/1)

Dated: 16-05-2022 **Dated:** 06-06-2022

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	1.497	6	0.748	0.44	0.440	12.76	16.79	63970	63970	84160	84160	1.20	8.0	15.0	
2	1.495	6	0.748	0.44	0.439	12.61	16.72	63210	63350	83800	83990	1.10	8.0	13.8	
3	0.669	4	0.501	0.20	0.197	5.07	7.03	55870	56720	77560	78750	1.60	8.0	20.0	
4	0.668	4	0.500	0.20	0.196	5.07	7.08	55870	57010	78130	79720	1.60	8.0	20.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Four Samples Received and Tested

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

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

Kamran Tahir Sandhu

ME DHA Multan.(Construction Of Cosmos, Frozen Music, Islamic Arch And Islamic Moon Monuments (M/S Pillar & Sons)

Client Reference: 701/92/Planning/DHA **Dated:** 03-06-2022

SOM Lab Ref: CED/SOM/441(Page-1/1) **Dated:** 06-06-2022

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

Sample Type: Anchor- Bolt (J-Bolts) **Gauge Length:** 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm^2	kN	kN	MPa	MPa	mm	mm	%	
1	20 (Mark 1,L 825mm)	314	133.50	203.20	425	647	37.5	200	18.8	19.0
2	20 (Mark 1,L 450mm)	314	134.50	203.50	428	648	35.0	200	17.5	39.9
3	20 (Mark 2,L 825mm)	314	133.70	203.00	426	646	37.5	200	18.8	31.9
4	20 (Mark 2,L 450mm)	314	133.00	203.00	423	646	32.5	200	16.3	29.4

Note:-

Only Four Samples Received and Tested

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