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

PM RFL-Project,Banu Mukhtar. (Roomi Fabric Ltd)(Quid-e-Azam Business Park,SKP)

Client Reference: Nil **Dated:** 21-02-2022

SOM Lab Ref: CED/SOM/5914(Page-1/1) **Dated:** 21-02-2022

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

Sample Type: M S Deformed Bar (Amreli 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	3.856	25	25.00	491	491	279.00	336.50	568	569	686	686	32.5	200	16.3	
2	3.837	25	24.95	491	489	275.00	332.20	560	563	677	680	32.5	200	16.3	
3	2.446	20	19.92	314	312	174.20	216.20	554	560	688	694	30.0	200	15.0	
4	2.437	20	19.88	314	310	173.20	215.20	551	558	685	694	27.5	200	13.8	
5	1.608	16	16.15	201	205	123.00	146.20	612	601	727	714	30.0	200	15.0	
6	1.611	16	16.17	201	205	122.70	146.20	610	598	727	713	30.0	200	15.0	
7	0.907	12	12.13	113	115	69.20	79.70	612	600	705	691	25.0	200	12.5	
8	0.890	12	12.02	113	113	68.50	78.50	606	605	694	693	22.5	200	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Deputy General Manager Projects HRL.(Const. of Sky Gardens Tower, Lahore)

Client Reference: HRLE/SKG/2022/010 **Dated:** 21-02-2022

SOM Lab Ref: CED/SOM/5909(Page-1/1) **Dated:** 21-02-2022

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

Sample Type: Deformed Bar (Afco) **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	2.959	22	21.91	380	377	165.00	272.00	434	438	716	722	37.5	200	18.8	
2	2.995	22	22.04	380	382	168.00	277.00	442	441	729	727	37.5	200	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

22mm	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

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

Ittfaq Building Solution (Pvt.)Ltd.(Kohinoor Textile Mill Raiwind,LHR.(Weaving Unit Extension))

Client Reference: IBS/KTML/ST 01 **Dated:** 21-02-2022

SOM Lab Ref: CED/SOM/5913(Page-1/1) **Dated:** 21-02-2022

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	2.450	20	19.93	314	312	186.00	235.70	592	597	750	756	25.0	200	12.5	
2	2.447	20	19.92	314	312	171.20	223.50	545	550	711	717	25.0	200	12.5	
3	0.902	12	12.10	113	115	55.70	80.00	492	485	707	697	30.0	200	15.0	
4	0.890	12	12.02	113	113	53.00	78.20	469	468	691	690	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

RE Nespak (Dualization Of Rd From Karam Dad Qureshi To Qasba Gujrat L12Km In Muzaffargarh)

Client Reference: SA-467C/HA/01/10 **SOM Lab Ref:** 5905 (Page-1/2)

Dated: 07-02-2022 **Dated:** 21-02-2022

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	2.704	8	1.006	0.79	0.795	24.67	35.78	68870	68440	99890	99260	1.50	8.0	18.8	
2	1.532	6	0.757	0.44	0.450	15.26	20.41	76490	74790	102290	100020	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

RE Nespak (Dualization Of Rd From Karam Dad Qureshi To Qasba Gujrat L12Km In Muzaffargarh)

Client Reference: SA-467C/HA/01/06 **SOM Lab Ref:** 5905 (Page-2/2)

Dated: 26-01-2022 **Dated:** 21-02-2022

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	0.670	4	0.501	0.20	0.197	6.47	8.48	71380	72470	93530	94950	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

M Abu Bakar
Lahore.

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

Client Reference: Nil
Dated: 21-02-2022

SOM Lab Ref: 5906 (Page-1/1)
Dated: 21-02-2022

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	0.588	4	0.469	0.20	0.173	5.27	7.90	58120	67190	87120	100710	1.30	8.0	16.3	
2	0.607	4	0.476	0.20	0.178	6.60	10.14	72730	81720	111850	125670	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Majeed Associate Pvt.Ltd **Test Performed By:** **Dr. /Engr.** S Asad Ali Gillani

Project: Allied Bank Warehouse Pakpatan Rd Sahiwal)

Client Reference: Nil **SOM Lab Ref:** 5907 (Page-1/1)

Dated: 21-02-2022 **Dated:** 21-02-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Afco 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	2.656	8	0.997	0.79	0.781	25.10	32.44	70070	70870	90550	91600	1.40	8.0	17.5	
2	2.667	8	0.999	0.79	0.784	25.10	32.69	70070	70600	91270	91960	1.30	8.0	16.3	
3	1.503	6	0.750	0.44	0.442	14.12	18.76	70770	70450	94020	93590	1.40	8.0	17.5	
4	1.500	6	0.749	0.44	0.441	14.17	18.55	71020	70860	92990	92780	1.50	8.0	18.8	
5	0.659	4	0.497	0.20	0.194	6.60	8.58	72730	74980	94650	97580	1.10	8.0	13.8	
6	0.659	4	0.497	0.20	0.194	6.47	8.58	71380	73590	94650	97580	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P2)

Client Reference: JIPIC/TECH/P2/CRE/45 **SOM Lab Ref:** 5908 (Page-1/1)

Dated: 18-02-2022 **Dated:** 21-02-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (SGI Steel)

Gauge Length: 8 inch **Sample Type:**

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	1.659	6	0.788	0.44	0.488	15.04	22.29	75370	67950	111750	100750	1.30	8.0	16.3	
2	1.611	6	0.776	0.44	0.473	13.99	21.53	70100	65210	107910	100380	1.40	8.0	17.5	
3	1.073	5	0.633	0.31	0.315	9.60	14.39	68320	67230	102400	100780	1.20	8.0	15.0	
4	1.030	5	0.621	0.31	0.303	9.09	14.12	64690	66190	100440	102760	1.20	8.0	15.0	
5	0.634	4	0.487	0.20	0.186	5.68	8.46	62610	67330	93300	100320	1.20	8.0	15.0	
6	0.636	4	0.488	0.20	0.187	5.78	8.12	63740	68170	89590	95820	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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 Nine Samples Received and Tested

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 Ali Gillani

Dy Dir MTL DHA Lhr,(Infra Structure Dev Works Of Sec-IV Block-Q DHA Ph-XI Rahbar (M/s DHA-C))

Client Reference: 408/241/32/Lab/53/29 **SOM Lab Ref:** 5910 (Page-1/1)

Dated: 21-02-2022 **Dated:** 21-02-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Moiz 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	2.649	8	0.995	0.79	0.778	23.39	34.37	65310	66320	95960	97440	1.70	8.0	21.3	
2	2.648	8	0.995	0.79	0.778	23.45	34.32	65460	66470	95820	97300	1.50	8.0	18.8	
3	2.700	8	1.005	0.79	0.793	27.85	36.46	77750	77450	101800	101410	1.40	8.0	17.5	
4	2.693	8	1.004	0.79	0.791	27.83	36.41	77690	77590	101650	101520	1.40	8.0	17.5	
5	1.480	6	0.744	0.44	0.435	13.78	19.16	69080	69880	96060	97160	1.50	8.0	18.8	
6	1.475	6	0.743	0.44	0.433	13.83	19.27	69340	70460	96570	98130	1.60	8.0	20.0	
7	1.467	6	0.741	0.44	0.431	13.88	19.27	69590	71050	96570	98590	1.50	8.0	18.8	
8	1.473	6	0.743	0.44	0.433	13.32	18.96	66780	67860	95040	96570	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Note:-

Only Twelve Samples Received and Tested

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

Asif Pervaiz Butt

RE AYQ Developers Pvt. Ltd.(Union Copmlex)

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

Client Reference: Nil

Dated: 21-02-2022

SOM Lab Ref: 5912 (Page-1/1)

Dated: 21-02-2022

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	2.586	8	0.984	0.79	0.760	23.16	31.55	64660	67210	88080	91560	1.40	8.0	17.5	
2	2.591	8	0.984	0.79	0.761	24.03	31.19	67080	69630	87080	90400	1.50	8.0	18.8	
3	2.633	8	0.993	0.79	0.774	24.31	32.42	67870	69280	90500	92370	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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