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

Manager (Admin. & HR) Gharibwal Cement Ltd. Lahore

Client Reference: GCL/Admin./UET/Tests/22 **Dated:** 30-08-2022

SOM Lab Ref: CED/SOM/829(Page-1/1) **Dated:** 30-08-2022

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

Sample Type: MS 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	3.808	25	24.85	491	485	261.50	336.70	533	540	686	695	25.0	200	12.5	H001-02
2	3.766	25	24.71	491	480	258.70	336.20	527	540	685	701	32.5	200	16.3	H001-02
3	2.425	20	19.83	314	309	164.50	221.00	524	533	703	716	30.0	200	15.0	H001-02
4	2.468	20	20.01	314	314	161.00	219.20	512	513	698	698	37.5	200	18.8	H001-02
5	1.545	16	15.83	201	197	114.50	140.70	569	582	700	716	27.5	200	13.8	H001-02
6	1.534	16	15.77	201	195	110.00	135.70	547	563	675	695	27.5	200	13.8	H001-02
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Mr Dilawar Hanif (Sr. Purchase Officer)

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

Note:-

Only Nine Samples Received and Tested

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

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

HSD, Gujrat.(Dualization Of Rd From GT Rd To Gujrat Dina Rd I/C Gujrat Flyover)

Client Reference: 2228/MCB **SOM Lab Ref:** 825 (Page-1/1)

Dated: 24-08-2022 **Dated:** 30-08-2022

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	1.657	6	0.787	0.44	0.487	16.84	21.73	84410	76260	108940	98420	1.40	8.0	17.5	
2	1.666	6	0.790	0.44	0.490	16.74	21.94	83900	75340	109960	98740	1.30	8.0	16.3	
3	0.680	4	0.505	0.20	0.200	5.81	8.22	64080	64080	90600	90600	1.40	8.0	17.5	
4	0.670	4	0.501	0.20	0.197	5.61	8.21	61830	62770	90490	91870	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Muhammad Azmat ,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/28 **SOM Lab Ref:** 826 (Page-1/1)

Dated: 29-08-2022 **Dated:** 30-08-2022

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	1.487	6	0.746	0.44	0.437	13.32	18.91	66780	67240	94780	95430	1.50	8.0	18.8	
2	1.490	6	0.747	0.44	0.438	14.63	19.83	73320	73660	99380	99830	1.20	8.0	15.0	
3	1.486	6	0.746	0.44	0.437	14.68	19.80	73580	74080	99230	99910	1.30	8.0	16.3	
4	1.486	6	0.746	0.44	0.437	14.60	19.90	73170	73670	99740	100420	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Five Samples Received and Tested

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

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

CM Zameen Aurum,(Construction Of Zameen Aurum at Plot No.15 Block L,Gulberg-III Lahore)

Client Reference: ZD/ZA/STR029 **SOM Lab Ref:** 827 (Page-1/1)

Dated: 29-08-2022 **Dated:** 30-08-2022

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	2.683	8	1.002	0.79	0.788	25.40	35.14	70920	71100	98100	98340	1.20	8.0	15.0	
2	2.669	8	0.999	0.79	0.784	25.79	35.37	72000	72550	98750	99510	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Fahad Ali, SQN LDR **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

GE (Air) Mushraf.(Const Of MRR SQN HQ Bldg Alongwith Rehb Of Tech. Area At PAF Base Mushraf)

Client Reference: 6100-31/2022/56/E-6 **SOM Lab Ref:** 828 (Page-1/1)

Dated: 29-07-2022 **Dated:** 30-08-2022

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	1.538	6	0.759	0.44	0.452	15.62	19.88	78280	76200	99640	96990	1.40	8.0	17.5	
2	1.548	6	0.761	0.44	0.455	15.41	19.83	77260	74710	99380	96100	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	6.42	8.33	70820	71900	91840	93240	1.30	8.0	16.3	
4	0.677	4	0.503	0.20	0.199	6.57	8.41	72510	72870	92740	93200	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Waqas Ali
Variant Gulberg 2, Lahore.

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

Client Reference: VA/29/36
Dated: 26-08-2022

SOM Lab Ref: 830 (Page-1/1)
Dated: 30-08-2022

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	2.587	8	0.984	0.79	0.760	21.78	32.98	60820	63220	92060	95700	1.30	8.0	16.3	
2	2.620	8	0.990	0.79	0.770	21.58	32.84	60250	61810	91690	94070	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Ayaz Awan
High Rise development Pvt.

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

SOM Lab Ref: 831 (Page-1/1)
Dated: 30-08-2022

Client Reference: Nil
Dated: 30-08-2022

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	0.692	4	0.508	0.20	0.203	7.14	9.55	78690	77530	105330	103770	1.20	8.0	15.0	
2	0.687	4	0.507	0.20	0.202	6.85	9.19	75540	74790	101390	100390	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Premier Developer & Builders **Test Performed By:** **Dr. /Engr.** Wasim Abbas
Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/023 **SOM Lab Ref:** 832 (Page-1/1)
Dated: 29-08-2022 **Dated:** 30-08-2022

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	2.589	8	0.984	0.79	0.761	24.69	35.55	68930	71550	99230	103020	1.50	8.0	18.8	
2	1.456	6	0.738	0.44	0.428	14.17	20.41	71020	73020	102290	105160	1.30	8.0	16.3	
3	0.667	4	0.500	0.20	0.196	6.57	8.87	72510	73990	97800	99790	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

RE ECSP CM Package WASA FSD.(Const Of Disposal Station At DIJKOT,FSD)

Client Reference: ECSP/CM-Package-143 **SOM Lab Ref:** 833 (Page-1/1)

Dated: 11-08-2022 **Dated:** 30-08-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FS 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	1.533	6	0.758	0.44	0.451	14.93	19.57	74860	73030	98100	95710	1.20	8.0	15.0	
2	0.671	4	0.501	0.20	0.197	6.17	8.00	68010	69050	88240	89590	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

RE ACES DHA Multan.(Dev Of Sector -T & B-1-DHA Multan)

Client Reference: RE/Sec-T&B1/Material /59 **SOM Lab Ref:** 834 (Page-1/1)

Dated: 27-08-2022 **Dated:** 30-08-2022

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

Gauge Length: 8 inch **Sample Type:** 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)				
	lb/ft	#	in	in^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.132	5	0.651	0.31	0.333	10.40	14.19	73970	68870	100950	93980	1.50	8.0	18.8	
2	1.125	5	0.649	0.31	0.331	12.25	15.72	87170	81640	111830	104730	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 5	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