

Engr. Farrukh Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy. General Manager Works.Habib Rafiq Engineering (Pvt.) Ltd.(101 Tower,Lahore)

Client Reference: HRLE/SKG/2024/Kamran/175

SOM Lab Ref:

174 (P-1/1)

Dated: 07-11-2024

Dated:

07-11-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.860	22	21.53	387	364	180.00	247.50	465	495	640	680	30.0	200	15.0	
2	2.876	22	21.60	387	366	186.70	255.70	482	510	661	698	30.0	200	15.0	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Mohsin Baig  
 Manager Procurement Gharibwal Cement Ltd.Lahore

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

**Client Reference:** GCL/Purchase/UET/TEST/005

**Dated:** 07-11-2024

**SOM Lab Ref:** CED/SOM/165 (Page-1/1)

**Dated:** 07-11-2024

**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.824	28	27.98	616	615	332.00	409.20	539	540	665	666	37.5	200	18.8	
2	4.800	28	27.90	616	611	333.00	410.20	541	545	666	671	35.0	200	17.5	
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**BEND TEST:**

28mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

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

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

**Client Reference:** DOC-BMC/AJWA/148

**SOM Lab**

**Ref:** 166 (Page-1/1)

**Dated:** 06-11-2024

**Dated:** 07-11-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

ASTM-A-615

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.594	8	0.985	0.79	0.762	25.48	34.81	71150	73760	97190	100760	1.50	8.0	18.8	
2	2.650	8	0.996	0.79	0.779	27.42	36.70	76550	77630	102450	103900	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Cantonment Executive Officer

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Military Lands & Cantonment Deptt Lahore.(Const Of Shops " 11 x CB Plaza Sarwar Road)

Client Reference: SCE/Tender-2024-25/D-1 8570

SOM Lab

Ref: 167 (Page-1/1)

Dated: 29-10-2024

Dated: 07-11-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.533	6	0.758	0.44	0.451	16.28	19.88	81600	79610	99640	97210	1.10	8.0	13.8	
2	1.495	6	0.748	0.44	0.439	15.77	19.42	79050	79230	97340	97560	1.20	8.0	15.0	
3	0.668	4	0.500	0.20	0.196	6.46	8.41	71270	72720	92740	94630	1.00	8.0	12.5	
4	0.671	4	0.501	0.20	0.197	6.70	8.69	73850	74980	95770	97230	1.10	8.0	13.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M. Jameel  
40-C-III Gulberg III Lahore.

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

Client Reference: Nil  
Dated: Nil

SOM Lab  
Ref: 168 (Page-1b/1)  
Dated: 07-11-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.671	4	0.501	0.20	0.197	6.63	8.74	73070	74180	96340	97800	1.10	8.0	13.8	
2	0.670	4	0.501	0.20	0.197	6.22	8.41	68570	69620	92740	94150	1.00	8.0	12.5	
3	0.671	4	0.501	0.20	0.197	6.60	8.74	72730	73840	96340	97800	1.00	8.0	12.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M. Jameel  
40-C-III Gulberg III Lahore.

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

Client Reference: Nil  
Dated: Nil

SOM Lab  
Ref: 168 (Page-1a/1)  
Dated: 07-11-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.529	8	0.973	0.79	0.743	23.85	35.68	66590	70810	99600	105900	1.20	8.0	15.0	
2	2.538	8	0.975	0.79	0.746	24.06	35.83	67160	71120	100030	105930	1.30	8.0	16.3	
3	2.553	8	0.977	0.79	0.750	24.06	36.00	67160	70740	100510	105880	1.30	8.0	16.3	
4	1.450	6	0.736	0.44	0.426	14.78	19.57	74090	76520	98100	101330	1.20	8.0	15.0	
5	1.450	6	0.736	0.44	0.426	14.93	19.75	74860	77320	98970	102220	1.20	8.0	15.0	
6	1.447	6	0.736	0.44	0.425	14.78	19.75	74090	76700	98970	102470	1.20	8.0	15.0	
7	1.016	5	0.617	0.31	0.299	10.16	13.71	72310	74970	97540	101130	1.10	8.0	13.8	
8	1.011	5	0.615	0.31	0.297	9.81	13.63	69770	72820	96960	101210	1.20	8.0	15.0	
9	1.016	5	0.617	0.31	0.299	10.06	13.78	71580	74210	98050	101660	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Metroplan-Asian JV

Test Performed By: Dr. /Engr. Nauman Khurram

Site Office JIC-JHL,Lahore.(Estb Of Jinnah Institute of Cardiology at Jinnah Hospital Lahore)

Client Reference: Metroplan-Asian JV ET-JHL-RE-287-2024

SOM Lab

Ref: 169 (Page-1/1)

Dated: 07-11-2024

Dated: 07-11-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.466	6	0.741	0.44	0.431	13.66	19.59	68470	69900	98210	100260	1.00	8.0	12.5	
2	1.465	6	0.741	0.44	0.431	13.73	19.67	68830	70260	98610	100670	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M.Adnan Mujahid, RE

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

AZEA Mwl (Reconst of Rd From Mianwali D.I Khan Rd at Chashma Lake To Allu Wali Piplan Kallurkot)

Client Reference: AZEA/MWL/LAB/24/0232

SOM Lab

Ref: 170 (Page-1/1)

Dated: Nil

Dated: 07-11-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.665	4	0.498	0.20	0.195	6.52	8.87	71940	73790	97800	100300	1.10	8.0	13.8	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



Five Star  
Steel Mill Pvt (Ltd). Sheikhpura.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: FSSM/Letter # 03

SOM Lab

Ref: 171 (Page-1/1)

Dated: 07-11-2024

Dated: 07-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (5 Star 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.664	4	0.498	0.20	0.195	5.68	8.10	62610	64220	89370	91660	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	5.35	8.18	59020	59920	90150	91530	1.20	8.0	15.0	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Ali Zahid Latif, RE  
Nespak-Turkpak JV Lhr.(Reconstruction of Old P&D Building,Lahore)

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

Client Reference: 4674/P&D/13/09/AZL/67

SOM Lab

Ref: 172 (Page-1/1)

Dated: 07-11-2024

Dated: 07-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Aziz 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.670	8	1.000	0.79	0.785	22.73	37.99	63460	63870	106060	106740	1.20	8.0	15.0	
2	1.489	6	0.747	0.44	0.438	13.71	22.27	68730	69040	111640	112150	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M. Yasir Kiani, RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

JCP Wahga NESPAK. (Expansion Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/90

SOM Lab

Ref: 173 (Page-1/1)

Dated: 07-11-2024

Dated: 07-11-2024

Test: Tension 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.657	8	0.997	0.79	0.781	23.90	33.51	66740	67510	93540	94620	1.40	8.0	17.5	Kamran
2	2.657	8	0.997	0.79	0.781	24.16	33.71	67450	68220	94110	95200	1.40	8.0	17.5	Kamran
3	0.667	4	0.500	0.20	0.196	6.19	8.26	68230	69630	91050	92910	1.20	8.0	15.0	Kamran
4	0.659	4	0.497	0.20	0.194	6.27	8.41	69130	71270	92740	95610	1.10	8.0	13.8	Kamran
5	0.667	4	0.500	0.20	0.196	6.49	8.82	71610	73070	97230	99220	1.20	8.0	15.0	SJ
6	0.663	4	0.498	0.20	0.195	6.49	8.99	71610	73440	99150	101690	1.10	8.0	13.8	SJ
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

G3 Engg Consulting Pvt Ltd

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

The Women University Multan, Const Of Admin Block for Pharmacy & Comp Science

Client Reference: REG3/WUM/473

SOM Lab

Ref:

175 (Page-1/1)

Dated: 21-10-2024

Dated:

07-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Aziz 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.674	8	1.000	0.79	0.786	23.36	37.58	65230	65560	104930	105460	1.50	8.0	18.8	
2	2.671	8	1.000	0.79	0.785	23.39	37.67	65310	65730	105150	105820	1.30	8.0	16.3	
3	1.494	6	0.748	0.44	0.439	13.07	21.15	65510	65660	106020	106260	1.50	8.0	18.8	
4	1.489	6	0.747	0.44	0.438	12.86	20.97	64480	64780	105100	105580	1.20	8.0	15.0	
5	0.670	4	0.501	0.20	0.197	6.37	9.28	70260	71330	102290	103850	1.10	8.0	13.8	
6	0.669	4	0.501	0.20	0.197	5.73	8.56	63180	64140	94420	95860	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)