

Karar Abbas

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr. Assistant Manager Deptt Of Procurement Pioneer Cement Lahore.

Client Reference: PCL/PL04/UET/DSB/1650

Dated: 16-07-2025

SOM Lab Ref: CED/SOM/1510 (Page-1/4)

Dated: 16-07-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	2.431	20	19.87	314	310	159.70	210.50	508	516	670	680	32.5	200	16.3	319AD
2	2.420	20	19.81	314	308	152.50	203.00	485	495	646	659	35.0	200	17.5	319AD
3	2.458	20	19.97	314	313	163.40	213.00	520	522	678	681	30.0	200	15.0	307AD
4	2.430	20	19.86	314	310	162.20	210.50	516	524	670	680	30.0	200	15.0	307AD
5	2.405	20	19.75	314	306	160.50	209.50	511	524	667	684	32.5	200	16.3	976AD
6	2.471	20	20.02	314	315	178.50	224.70	568	568	715	714	32.5	200	16.3	976AD
7	2.500	20	20.14	314	318	160.50	217.00	511	504	691	682	35.0	200	17.5	316AD
8	2.461	20	19.98	314	314	161.50	214.70	514	516	683	685	30.0	200	15.0	316AD
9	2.433	20	19.86	314	310	163.50	218.00	520	528	694	704	32.5	200	16.3	305AD
10	2.436	20	19.88	314	310	162.00	217.70	516	523	693	702	32.5	200	16.3	305AD

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

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Test Performed By:

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Sr. Assistant Manager Deptt Of Procurement Pioneer Cement Lahore.

Client Reference: PCL/PL04/UET/DSB/1650

Dated: 16-07-2025

SOM Lab Ref: CED/SOM/1510 (Page-2/4)

Dated: 16-07-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	2.424	20	19.84	314	309	157.00	205.70	500	509	655	666	35.0	200	17.5	974AD
2	2.431	20	19.86	314	310	164.00	210.50	522	530	670	680	30.0	200	15.0	974AD
3	2.470	20	20.02	314	315	163.20	219.50	519	519	699	698	35.0	200	17.5	975AD
4	2.482	20	20.07	314	316	163.20	218.00	519	517	694	690	35.0	200	17.5	975AD
5	2.482	20	20.06	314	316	162.20	218.20	516	514	695	691	32.5	200	16.3	973AD
6	2.471	20	20.02	314	315	162.50	217.50	517	517	692	691	32.5	200	16.3	973AD
7	2.427	20	19.84	314	309	167.50	217.20	533	542	691	703	35.0	200	17.5	314AD
8	2.448	20	19.93	314	312	158.50	206.20	505	509	656	662	37.5	200	18.8	314AD
9	2.417	20	19.80	314	308	153.50	205.20	489	499	653	667	40.0	200	20.0	302AD
10	2.428	20	19.85	314	309	156.50	209.20	498	506	666	677	37.5	200	18.8	302AD

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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Client Reference: PCL/PL04/UET/DSB/1650

Dated: 16-07-2025

SOM Lab Ref: CED/SOM/1510 (Page-3/4)

Dated: 16-07-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	2.462	20	20.00	314	314	162.20	215.20	516	517	685	686	40.0	200	20.0	2984AD
2	2.490	20	20.10	314	317	154.50	212.00	492	488	675	669	37.5	200	18.8	298AD
3	2.468	20	20.01	314	314	152.00	211.20	484	484	672	672	35.0	200	17.5	317AD
4	2.475	20	20.04	314	315	157.00	211.00	500	498	672	670	35.0	200	17.5	317AD
5	2.382	20	19.66	314	303	151.50	201.00	482	500	640	663	40.0	200	20.0	301AD
6	2.411	20	19.77	314	307	155.70	203.70	496	508	648	664	42.5	200	21.3	301AD
7	2.420	20	19.81	314	308	154.50	206.20	492	502	656	669	37.5	200	18.8	308AD
8	2.445	20	19.92	314	311	155.20	207.20	494	499	660	666	35.0	200	17.5	308AD
9	2.428	20	19.85	314	309	163.70	215.00	521	530	684	696	32.5	200	16.3	977AD
10	2.417	20	19.80	314	308	165.00	214.70	525	536	683	698	35.0	200	17.5	977AD

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Fifteen Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	

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Karar Abbas

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr. Assistant Manager Deptt Of Procurement Pioneer Cement Lahore.

Client Reference: PCL/PL04/UET/DSB/1650

Dated: 16-07-2025

SOM Lab Ref: CED/SOM/1510 (Page-4/4)

Dated: 16-07-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	2.512	20	20.19	314	320	162.20	217.50	516	507	692	680	35.0	200	17.5	315AD
2	2.450	20	19.93	314	312	163.00	212.50	519	523	676	681	37.5	200	18.8	315AD
3	2.440	20	19.89	314	311	172.00	229.50	547	554	731	739	37.5	200	18.8	300AD
4	2.461	20	19.98	314	313	167.00	224.70	532	533	715	717	32.5	200	16.3	300AD
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
20mm	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

Adnan Jamil (Civil Engineer)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

National Management Foundation Lhr.(Const. of Yusaf Shirazi Complex at Lums Campus)

Client Reference: NMF/GM/C-39/891

Dated: 16-07-2025

SOM Lab Ref: CED/SOM/1515(Page-1/1)

Dated: 16-07-2025

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	3.902	25	25.16	491	497	232.70	337.20	474	469	687	679	35.0	200	17.5	
2	3.938	25	25.27	491	502	234.50	340.00	478	468	693	678	32.5	200	16.3	
3	2.265	20	19.17	314	288	135.00	184.20	430	468	586	639	40.0	200	20.0	
4	2.200	20	18.89	314	280	130.70	185.00	416	467	589	661	40.0	200	20.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
20mm	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

Umer Naeem
Deputy Manager Commercial JK Sugar Mills (Pvt) Ltd Lahore.

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

Client Reference: Nil

Dated: 16-07-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1511 (Page-1/1)

Dated: 16-07-2025

ASTM-A-706

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	1.490	6	0.747	0.44	0.438	16.97	19.57	85070	85460	98100	98550	1.20	8.0	15.0	
2	1.485	6	0.745	0.44	0.436	15.80	19.06	79200	79930	95550	96430	1.20	8.0	15.0	
3	0.603	4	0.475	0.20	0.177	5.61	7.72	61830	69860	85100	96150	1.40	8.0	17.5	
4	0.596	4	0.472	0.20	0.175	5.81	7.90	64080	73230	87120	99560	1.30	8.0	16.3	
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Witnessed By: Khalil-ur-Rehman (Purchase Officer J.K)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 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

Client Reference: AFS/WWV # 1607025/26

SOM Lab

Ref: 1512-13 (Page-1/1)

Dated: 16-07-2025

Dated: 16-07-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-F-1554

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	2.713	8	1.007	0.79	0.797	23.26	35.95	64940	64370	100370	99490	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

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

Waqas Khan ARE

Test Performed By: Dr. /Engr. Nauman Khurram

MMP (Pvt) Ltd. Pkg -I PCP Wazirabad.(Strom Water Drainage Facilities at Wazirabad City)

Client Reference: MMP/WZD/SWD/27/2025

SOM Lab

Ref: 1514 (P-1/1)

Dated: 14-07-2025

Dated: 16-07-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mehboob 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	1.478	6	0.743	0.44	0.434	14.39	18.71	72150	73150	93760	95060	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: Bilal Ahmad (Site Inspector)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two 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. Nauman Khurram

Building Div Kasur.(Const Of Yaseen Khan Academic Block at DPS Ellahbad Tehsil Chunian)

Client Reference: 5690/D

SOM Lab

Ref: 1516 (Page-1/1)

Dated: 24-05-2025

Dated: 24-05-2025

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	1.489	6	0.747	0.44	0.438	13.43	21.30	67290	67600	106790	107280	1.50	8.0	18.8	
2	1.494	6	0.748	0.44	0.439	14.27	21.68	71540	71700	108680	108930	1.40	8.0	17.5	
3	0.656	4	0.496	0.20	0.193	6.65	9.94	73290	75950	109600	113570	1.40	8.0	17.5	
4	0.648	4	0.492	0.20	0.190	6.39	9.81	70480	74190	108140	113830	1.30	8.0	16.3	
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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