

Muhammad Construction Company

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nathuwala Chak No.180 R.B Tehsil Shahkot.(Old Godown Renovation Work @ SFL-3)

Client Reference: Nil

Dated: 29-04-2024

SOM Lab Ref: CED/SOM/4016(Page-1/1)

Dated: 29-04-2024

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.543	16	15.84	201	197	93.50	128.20	465	475	638	651	37.5	200	18.8	
2	1.525	16	15.73	201	194	92.50	128.20	460	477	638	660	35.0	200	17.5	
3	0.865	12	11.85	113	110	55.20	74.00	488	501	654	672	30.0	200	15.0	
4	0.865	12	11.85	113	110	56.00	74.20	495	509	656	674	32.5	200	16.3	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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

Sajid Khawaja, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Metroplan-Asian JV MCH Layyah.(Waste Water Treatment Plant General Hospital Distt Layyah)

Client Reference: Metroplan-Asian JV-MCH-Layyah-RE-001

Dated: 25-04-2024

SOM Lab Ref: CED/SOM/4020(Page-1/1)

Dated: 29-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Moiz 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	1.563	16	15.92	201	199	95.70	131.20	476	481	653	660	35.0	200	17.5	
2	1.545	16	15.83	201	197	95.50	131.50	475	486	654	669	37.5	200	18.8	
3	0.873	12	11.90	113	111	54.50	74.50	482	491	659	671	32.5	200	16.3	
4	0.877	12	11.93	113	112	54.50	74.50	482	488	659	668	35.0	200	17.5	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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

High-Q
 High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

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

Client Reference: QC/HQ/CIVIL/205

Dated: 29-04-2024

SOM Lab Ref: CED/SOM/4021(Page-1/1)

Dated: 29-04-2024

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.921	25	25.21	491	499	267.50	365.70	545	537	745	733	30.0	200	15.0	
2	3.901	25	25.15	491	497	258.00	360.00	526	520	733	725	32.5	200	16.3	
3	2.468	20	20.01	314	314	164.00	219.00	522	522	697	697	32.5	200	16.3	
4	2.436	20	19.88	314	310	167.00	220.50	532	539	702	711	32.5	200	16.3	
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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

Waqas Ahmed Ghumman, Proj. Manager
 High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

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

Client Reference: QC/HQ/CIVIL/205-A

Dated: 29-04-2024

SOM Lab Ref: CED/SOM/4022(Page-1/1)

Dated: 29-04-2024

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.988	12	12.67	113	126	62.00	82.50	548	493	729	655	25.0	200	12.5	
2	0.990	12	12.67	113	126	57.00	76.50	504	453	676	607	32.5	200	16.3	
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BEND TEST:

12mm	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

Sarwan Ali, AE/Bridges

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

Pak Railways Multan.(Const Seepage Drain T.S.L-2 Parallel to T.S Link Canal B/w Jaral-Shorkot Cantt)

Client Reference: 55-W/1/M(B.NO.39-B)

SOM Lab

Ref: 4017 (Page-1/1)

Dated: 27-04-2024

Dated: 29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.664	4	0.498	0.20	0.195	6.80	9.35	74980	76900	103080	105720	1.30	8.0	16.3	
2	0.668	4	0.500	0.20	0.196	6.54	9.28	72170	73640	102290	104380	1.20	8.0	15.0	
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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

Project Manager
GCC,Lahore. (Gulberg City Center,Gulberg II Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 4018 (Page-1/1)

Dated: 29-04-2024

Dated: 29-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AK Smelters)

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	2.428	8	0.953	0.79	0.714	30.58	37.67	85380	94460	105150	116350	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	6.57	8.86	72510	74360	97680	100190	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Waqas Ali
Variant Gulberg 2, Lahore.

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

Client Reference: VA/29/78

SOM Lab

Ref: 4019 (Page-1/1)

Dated: 26-04-2024

Dated: 29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.470	6	0.742	0.44	0.432	14.70	19.64	73680	75050	98460	100280	1.30	8.0	16.3	
2	1.450	6	0.736	0.44	0.426	14.55	19.44	72910	75310	97440	100640	1.30	8.0	16.3	
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BEND TEST:

# 6	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

Farrukh Nadeem, PM

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

Innovative ® Construction Company Lahore.(Project: Shoring Works at Kingdom area,RUDA Lahore)

Client Reference: ICL/KA/PW/0324/04

SOM Lab

Ref: 4023(Page-1/1)

Dated: 29-04-2024

Dated: 29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.626	8	0.991	0.79	0.772	27.08	34.05	75610	77380	95050	97270	1.50	8.0	18.8	
2	2.622	8	0.991	0.79	0.771	26.55	33.61	74140	75960	93830	96140	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Meezan Developers
Lahore.(Const Of Jamia Tur Rasheed Lahore Campus)

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

Client Reference: Nil

SOM Lab

Ref: 4024 (Page-1/1)

Dated: 29-04-2024

Dated: 29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.650	8	0.996	0.79	0.779	25.69	34.10	71720	72730	95190	96540	1.50	8.0	18.8	
2	2.662	8	0.998	0.79	0.782	25.56	34.07	71350	72080	95110	96080	1.50	8.0	18.8	
3	1.476	6	0.743	0.44	0.434	14.78	18.76	74090	75110	94020	95320	1.50	8.0	18.8	
4	1.481	6	0.744	0.44	0.435	14.85	18.86	74450	75300	94530	95610	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	7.05	8.79	77790	79780	96900	99380	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	6.95	8.74	76660	77830	96340	97800	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Sub Divisional officer,
 BSD Bhera.(Const Of PHP Post & Mobile School at Beer Baran Tehsil Bhera)

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

Client Reference: 430/Bhera

SOM Lab

Ref: 4026 (Page-1/1)

Dated: 26-04-2024

Dated: 29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.493	6	0.748	0.44	0.439	19.34	21.89	96930	97150	109700	109950	1.10	8.0	13.8	
2	1.503	6	0.750	0.44	0.442	17.79	20.97	89160	88760	105100	104630	1.20	8.0	15.0	
3	0.639	4	0.489	0.20	0.188	5.30	7.90	58460	62190	87120	92680	1.10	8.0	13.8	
4	0.667	4	0.500	0.20	0.196	5.22	7.51	57560	58730	82850	84540	1.20	8.0	15.0	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD Chiniot.(Blance Work of Revamping of All DHQ/15 TQH Hospital In Punjab)

Client Reference: 19/L-5

SOM Lab

Ref:

4027 (Page-1/1)

Dated: 20-02-2024

Dated:

29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.675	8	1.000	0.79	0.786	24.67	34.93	68870	69220	97530	98020	1.30	8.0	16.3	
2	1.517	6	0.754	0.44	0.446	13.58	18.42	68060	67150	92330	91090	1.20	8.0	15.0	
3	0.674	4	0.502	0.20	0.198	7.16	9.28	78910	79710	102290	103330	1.00	8.0	12.5	
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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

Asstt: Ex: Engineer

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CCD Pak P.W.D Faisalabad.(Const of REC/DECs Offices at Faisalabad)

Client Reference: AEE/CCD/FSD/71

SOM Lab

Ref:

4028 (Page-1/1)

Dated: 28-03-2024

Dated:

29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.504	6	0.750	0.44	0.442	14.34	19.16	71890	71570	96060	95630	1.30	8.0	16.3	
2	1.043	5	0.625	0.31	0.307	9.02	12.90	64180	64810	91740	92640	1.20	8.0	15.0	
3	0.671	4	0.501	0.20	0.197	6.22	8.26	68570	69620	91050	92440	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Sub Divisional officer,

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

BSD No.3 Faisalabad.(Estb of Model E-Registration Center at Divisional Head Quarter In Punjab)

Client Reference: 714

SOM Lab

Ref: 4029 (Page-1/1)

Dated: 20-04-2024

Dated: 29-04-2024

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.506	6	0.751	0.44	0.443	14.60	19.85	73170	72670	99480	98810	1.40	8.0	17.5	
2	0.668	4	0.500	0.20	0.196	7.26	9.35	80040	81670	103080	105180	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Engineer
Dy Dir Infra. DHA Gujranwala.(Sector L)

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

Client Reference: 111/15/DD/RS/Lab/Sec L/911

SOM Lab

Ref: 4030 (Page-1/1)

Dated: 27-04-2024

Dated: 27-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ Steel)

ASTM-A-615

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	2.619	8	0.990	0.79	0.770	26.30	33.89	73420	75330	94620	97080	1.20	8.0	15.0	
2	2.685	8	1.002	0.79	0.789	26.50	33.54	73990	74090	93630	93750	1.40	8.0	17.5	
3	0.671	4	0.501	0.20	0.197	6.63	8.36	73070	74180	92180	93580	1.20	8.0	15.0	
4	0.664	4	0.498	0.20	0.195	6.52	8.26	71940	73790	91050	93390	1.20	8.0	15.0	
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BEND TEST:

# 8	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