

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PHE: Sub Div-I Mianwali.(Provision Of Sewerage Drainage Scheme For Lorry Adda Mianwali)

Client Reference: 568/MI-I

SOM Lab

Ref: 1930 (Page-1/1)

Dated: 16-11-2022

Dated: 15-03-2023

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	0.673	4	0.502	0.20	0.198	6.70	9.02	73850	74600	99480	100490	1.10	8.0	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 4	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

Mr.Mohammad Farhan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

E&dc Associates,Lhr.(Const Of additional Girls Hostel And House Officers Hostel at CKMC)

Client Reference: E&dc-080/04

SOM Lab

Ref: 1931 (Page-1/1)

Dated: 14-03-2023

Dated: 15-03-2023

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	1.501	6	0.749	0.44	0.441	14.50	19.59	72660	72490	98210	97980	1.30	8.0	16.3	
2	1.500	6	0.749	0.44	0.441	14.70	19.75	73680	73510	98970	98750	1.40	8.0	17.5	
3	0.670	4	0.501	0.20	0.197	6.70	8.89	73850	74980	98020	99510	1.00	8.0	12.5	
4	0.664	4	0.498	0.20	0.195	6.63	8.84	73070	74940	97460	99960	1.10	8.0	13.8	
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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

Alaudin Malkani

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Exec Officer(Works) PSCA Lhr.(REDO/Restoration Of Damages Along Multan Rd, Lahore)

Client Reference: 3418/Works/PSCA/2023

SOM Lab

Ref: 1932 (Page-1/1)

Dated: 13-03-2023

Dated: 15-03-2023

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	0.670	4	0.501	0.20	0.197	7.05	8.92	77790	78970	98360	99860	1.50	8.0	18.8	
2	0.669	4	0.501	0.20	0.197	6.93	8.87	76440	77600	97800	99290	1.50	8.0	18.8	
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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

Khurram Shahzad
S. E(Civil), SWP PAEC,WASO,D.G Khan.

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

Client Reference: SWP/W(2487)/21
Dated: 13-03-2023
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1933 (Page-1/1)
Dated: 15-03-2023
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	0.672	4	0.501	0.20	0.197	6.98	8.61	77000	78170	94990	96430	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	7.03	8.53	77560	78750	94090	95520	1.00	8.0	12.5	
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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

ACE-Arts (Consultants)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE ACE Ltd UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

Client Reference: ER/UAEET/ACE/2023/210

SOM Lab

Ref:

1934 (Page-1/3)

Dated: 15-03-2023

Dated:

15-03-2023

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	1.500	6	0.749	0.44	0.441	14.34	20.18	71890	71730	101170	100940	1.40	8.0	17.5	
2	1.497	6	0.748	0.44	0.440	14.35	20.10	71940	71940	100760	100760	1.20	8.0	15.0	
3	1.472	6	0.743	0.44	0.433	14.22	19.93	71280	72430	99890	101510	1.30	8.0	16.3	
4	1.500	6	0.749	0.44	0.441	14.39	20.23	72150	71980	101420	101190	1.30	8.0	16.3	
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Witnessed By:

Muhammad Tufail (ME,ACE)

BEND TEST:

6 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Six Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

ACE-Arts (Consultants)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE ACE Ltd UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

Client Reference: ER/UAEET/ACE/2023/211

SOM Lab

Ref: 1934 (Page-2/3)

Dated: 15-03-2023

Dated: 15-03-2023

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	2.698	8	1.005	0.79	0.793	26.81	35.68	74850	74560	99600	99230	1.40	8.0	17.5	
2	2.698	8	1.005	0.79	0.793	25.89	34.96	72290	72010	97610	97240	1.30	8.0	16.3	
3	2.655	8	0.997	0.79	0.780	25.99	34.93	72570	73500	97530	98780	1.30	8.0	16.3	
4	2.643	8	0.995	0.79	0.777	26.83	35.85	74900	76160	100090	101760	1.10	8.0	13.8	
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Witnessed By: Muhammad Tufail (ME,ACE)

BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

8 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Six Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

ACE-Arts (Consultants)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE ACE Ltd UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

Client Reference: ER/UAEET/ACE/2023/209

SOM Lab

Ref:

1934 (Page-3/3)

Dated: 15-03-2023

Dated:

15-03-2023

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	2.687	8	1.003	0.79	0.790	26.93	35.73	75190	75190	99750	99750	1.50	8.0	18.8	
2	2.712	8	1.007	0.79	0.797	26.98	35.90	75330	74670	100230	99350	1.50	8.0	18.8	
3	0.673	4	0.502	0.20	0.198	6.70	8.66	73850	74600	95550	96510	1.00	8.0	12.5	
4	0.672	4	0.501	0.20	0.197	6.63	8.58	73070	74180	94650	96090	1.10	8.0	13.8	
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Witnessed By:

Muhammad Tufail (ME,ACE)

BEND TEST:

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

Abu Bakar Jamil, Site Engr
Enaara Developers Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1935 (Page-1/1)

Dated: 15-03-2023

Dated: 15-03-2023

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	2.724	8	1.010	0.79	0.801	24.94	36.31	69640	68680	101370	99980	1.10	8.0	13.8	
2	2.728	8	1.011	0.79	0.802	24.57	35.75	68590	67560	99800	98310	1.20	8.0	15.0	
3	1.479	6	0.744	0.44	0.435	14.17	20.80	71020	71840	104230	105430	1.40	8.0	17.5	
4	1.479	6	0.744	0.44	0.435	13.63	19.57	68320	69100	98100	99230	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	6.75	8.51	74420	75170	93860	94810	1.00	8.0	12.5	
6	0.674	4	0.502	0.20	0.198	6.95	8.66	76660	77440	95550	96510	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

Engr. Hasnat Khalid Bajwa

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

CM Zameen Developments.(Const Of ZAMEEN PHOENIX at Plot # 133,Shahman Colony II Lahore)

Client Reference: ZD/ZP/STR001

SOM Lab

Ref: 1936 (Page-1/3)

Dated: 15-03-2023

Dated: 15-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (PaK 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	2.576	8	0.982	0.79	0.757	24.31	31.50	67870	70830	87940	91770	1.30	8.0	16.3	
2	2.586	8	0.984	0.79	0.760	25.03	34.76	69870	72620	97040	100870	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

Engr. Hasnat Khalid Bajwa

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

CM Zameen Developments.(Const Of ZAMEEN PHOENIX at Plot # 133,Shahman Colony II Lahore)

Client Reference: ZD/ZP/STR003

SOM Lab

Ref: 1936 (Page-2/3)

Dated: 15-03-2023

Dated: 15-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (PaK 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	2.613	8	0.989	0.79	0.768	26.10	32.69	72850	74940	91270	93880	1.40	8.0	17.5	
2	2.583	8	0.983	0.79	0.759	24.67	34.32	68870	71680	95820	99730	1.40	8.0	17.5	
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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

Engr. Hasnat Khalid Bajwa

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

CM Zameen Developments.(Const Of ZAMEEN PHOENIX at Plot # 133,Shahman Colony II Lahore)

Client Reference: ZD/ZP/STR002

SOM Lab

Ref: 1936 (Page-3/3)

Dated: 15-03-2023

Dated: 15-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (PaK 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	2.630	8	0.992	0.79	0.773	27.70	33.97	77320	79020	94820	96910	1.50	8.0	18.8	
2	2.577	8	0.982	0.79	0.757	23.87	31.29	66650	69560	87370	91180	1.60	8.0	20.0	
3	1.623	6	0.779	0.44	0.477	15.57	21.15	78020	71970	106020	97800	1.10	8.0	13.8	
4	1.539	6	0.759	0.44	0.452	14.65	20.29	73430	71480	101680	98980	1.10	8.0	13.8	
5	1.069	5	0.632	0.31	0.314	10.47	13.83	74480	73530	98410	97160	1.20	8.0	15.0	
6	1.071	5	0.633	0.31	0.315	10.42	13.78	74120	72940	98050	96490	1.20	8.0	15.0	
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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	
# 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

Engr. Hasnat Khalid Bajwa

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

CM Zameen Developments Lhr.(Const Of ZAMEEN NEO at Plot # 13,Block-H Gulberg III Lahore)

Client Reference: ZD/ZN/STR/03

SOM Lab

Ref: 1937 (Page-1/1)

Dated: 15-03-2023

Dated: 15-03-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.626	8	0.991	0.79	0.772	22.32	32.52	62330	63780	90780	92900	1.50	8.0	18.8	
2	2.642	8	0.994	0.79	0.776	23.29	32.06	65030	66200	89500	91120	1.70	8.0	21.3	
3	1.470	6	0.742	0.44	0.432	12.81	18.32	64230	65420	91820	93520	1.40	8.0	17.5	
4	1.472	6	0.743	0.44	0.433	13.30	18.96	66680	67760	95040	96570	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

