

Engr. Hassan Abid  
RE-2 ACES,DHA Multan.

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

Client Reference: ACES/DHAM/SEC-V/1217

Dated : 30-10-2023

SOM Lab Ref: CED/SOM/3118(Page-1/1)

Dated : 03-11-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (SJ Steel)

Gauge Length: 200 m

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	m	%	
1	1.001	12	12.77	113	128	63.70	84.20	563	498	744	658	30.0	200	15.0	
2	1.000	12	12.74	113	127	64.70	82.20	572	508	727	646	30.0	200	15.0	
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**BEND TEST:**

12mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Three Samples Received and Tested</b>

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

Sub Divisional officer,

Test Performed By: Dr. /Engr. Bilal Khokhar

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

Client Reference: 134/MI-I

SOM Lab

Ref: 3117 (Page-1/1)

Dated: 05-09-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification: ASTM-A-615  
Deformed

Gauge Length: 8 h

Sample Type: 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	0.463	4	0.416	0.20	0.136	3.54	5.17	39010	57360	56990	83810	1.10	8.0	13.8	
2	0.464	4	0.416	0.20	0.136	3.52	5.12	38780	57030	56430	82990	1.20	8.0	15.0	
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**BEND TEST:**

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

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

Mirza Muhammad Shahzad,RE

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

Nespak Lahore.(Const Of Pedestrian Bridge Near Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/144

SOM Lab

Ref: 3119 (Page-1/1)

Dated: 02-11-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (AF  
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	27.01	35.02	75420	75900	97750	98380	1.40	8.00	17.5	
2	2.668	8	0.999	0.79	0.784	22.32	34.17	62330	62800	95390	96120	1.30	8.00	16.3	
3	1.511	6	0.752	0.44	0.444	14.37	19.83	72050	71400	99380	98490	1.20	8.00	15.0	
4	1.510	6	0.752	0.44	0.444	13.26	19.57	66480	65880	98100	97220	1.40	8.00	17.5	
5	0.673	4	0.502	0.20	0.198	6.78	8.92	74750	75510	98360	99350	1.30	8.00	16.3	
6	0.670	4	0.501	0.20	0.197	6.65	9.30	73290	74410	102520	104080	1.40	8.00	17.5	
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**BEND TEST:**

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

Aspire University  
Main Ferozpur Road Lahore.

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

Client Reference: APL/2023/Test/01

SOM Lab

Ref: 3120 (Page-1/1)

Dated: 02-11-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.47 1	6	0.74 2	0.4 4	0.43 2	13.48	17.86	67550	68800	89520	91180	1.2 0	8. 0	15. 0	
2	1.51 5	6	0.75 3	0.4 4	0.44 5	16.72	20.85	83800	82860	10449 0	10332 0	1.3 0	8. 0	16. 3	
3	0.65 0	4	0.49 3	0.2 0	0.19 1	7.80	9.53	85990	90050	10510 0	11006 0	1.3 0	8. 0	16. 3	
4	0.45 2	3	0.41 2	0.1 1	0.13 3	4.03	5.40	80730	66770	10832 0	89590	1.0 0	8. 0	12. 5	
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**BEND TEST:**

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

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

Waqas Ali  
Variant Gulberg 2, Lahore.

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: VA/29/117

SOM Lab

Ref: 3121 (Page-1/1)

Dated: 03-10-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	0.660	4	0.497	0.20	0.194	6.73	9.17	74190	76490	101170	104300	1.00	8.00	12.5	
2	0.677	4	0.503	0.20	0.199	7.31	9.65	80600	81000	106450	106990	1.20	8.00	15.0	
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**BEND TEST:**

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

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

EPCM Consultants

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

Asstt RE EPCM-PICIIP Sahiwal.(PICIIP)(Parking Sheds in Sahiwal & Sialkot)

SOM Lab

Client Reference: 3976/11/FA/SWL/Sheds/01/427

Ref: 3122 (Page-1/1)

Dated: 02-11-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Sheikhoo 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	1.485	6	0.745	0.44	0.436	14.37	19.47	72050	72710	97590	98490	1.30	8.03	16.3	
2	1.489	6	0.747	0.44	0.438	14.27	19.39	71540	71860	97180	97630	1.40	8.00	17.5	
3	0.671	4	0.501	0.20	0.197	7.34	9.09	80940	82170	100270	101800	1.40	8.00	17.5	
4	0.673	4	0.502	0.20	0.198	7.46	9.23	82290	83120	101730	102760	1.10	8.00	13.8	
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**BEND TEST:**

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

Kashif Maqbool  
Plot No.48 DHA Ph-12, EME, Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 3123(Page-1/1)

Dated: 03-11-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.489	6	0.747	0.44	0.438	16.36	21.12	82010	82380	105870	106350	1.40	8.0	17.5	
2	1.488	6	0.746	0.44	0.437	15.95	20.92	79970	80510	104850	105570	1.10	8.0	13.8	
3	0.681	4	0.505	0.20	0.200	5.93	8.79	65420	65420	96900	96900	1.20	8.0	15.0	
4	0.672	4	0.501	0.20	0.197	6.03	8.94	66550	67560	98580	100080	1.20	8.0	15.0	
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**BEND TEST:**

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

Metroplan-Asian JV

Test Performed By: Dr. /Engr. Irfan UI Hassan

Site Office JHL ET,Lahore.(Estb Of Emergency & Trauma Center at Jinnah Hospital Lahore)

Client Reference: Metroplan-Asian JV ET-JHL-RE-077-2023

SOM Lab

Ref: 3124(Page-1/1)

Dated: 03-11-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (SHeikhoo 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	1.496	6	0.748	0.44	0.440	13.97	19.11	70000	70000	95800	95800	1.20	8.0	15.0	
2	1.504	6	0.750	0.44	0.442	14.68	19.29	73580	73250	96670	96240	1.30	8.0	16.3	
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**BEND TEST:**

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

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



Mubashir  
495-A EME, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 3125 (Page-1/1)

Dated: 03-11-2023

Dated: 03-11-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.643	6	0.784	0.44	0.483	15.72	21.22	78790	71780	106380	96910	1.40	8.0	17.5	
2	1.500	6	0.749	0.44	0.441	14.09	19.59	70620	70460	98210	97980	1.30	8.0	16.3	
3	0.594	4	0.472	0.20	0.175	5.58	7.65	61490	70270	84310	96350	1.20	8.0	15.0	
4	0.605	4	0.476	0.20	0.178	5.35	7.39	59020	66310	81500	91570	1.20	8.0	15.0	
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**BEND TEST:**

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

