

Muhammad Yunus Awan

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

RE SAMPAC (Rehabilitation Of Roads Network In Pechs Valencia Town Lahore)

Client Reference: III-347-PECHS-01

Dated: 22-11-2021

SOM Lab Ref: CED/SOM/5357(Page-1/1)

Dated: 24-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	1.021	12	12.87	113	130	61.50	94.70	544	474	837	729	30.0	200	15.0	
2	1.108	12	13.41	113	141	68.20	101.20	603	484	895	717	27.5	200	13.8	
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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

Dr.Mohammad Ikram
Chairman ABS Developers (Pvt.)Ltd. Lahore

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5345(Page-1/1)

Dated: 23-11-2021

Dated: 23-11-2021

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	2.659	8	0.997	0.79	0.781	25.89	34.07	72290	73120	95110	96200	1.50	8.0	18.8	
2	1.469	6	0.742	0.44	0.432	14.95	18.60	74960	76350	93250	94980	1.50	8.0	18.8	
3	0.654	4	0.494	0.20	0.192	6.65	8.63	73290	76350	95210	99180	1.10	8.0	13.8	
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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	
# 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

Takbeer Tower
Takbeer Developers,Lahore.

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5354(Page-1/1)

Dated: 24-11-2021

Dated: 24-11-2021

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	2.635	8	0.993	0.79	0.774	27.52	35.70	76840	78430	99660	101720	1.10	8.0	13.8	
2	1.460	6	0.739	0.44	0.429	14.48	22.78	72560	74420	114200	117130	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
# 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

Maj Dy Dir MTL(Adnan Khalid R)

Test Performed By: Dr. /Engr. Asad Ghalani

DHA Lahore,(Const. Of New Main Gate on Turkey Basis at DHA Ph-XII(EME))(M/s Sincere Eng)

Client Reference: 408/241/E/Lab/167/01

SOM Lab

Ref: 5355(Page-1/1)

Dated: 23-11-2021

Dated: 24-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	1.467	6	0.741	0.44	0.431	15.49	19.47	77670	79290	97590	99630	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	15.49	19.49	77670	78560	97690	98820	1.10	8.0	13.8	
3	0.655	4	0.494	0.20	0.192	6.63	8.72	73070	76110	96110	100120	1.20	8.0	15.0	
4	0.664	4	0.498	0.20	0.195	6.80	8.87	74980	76900	97800	100300	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

M.Saleem
Construction Company,Engineers & Contractors,Sheikhupura.

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5356(Page-1/1)

Dated: 24-11-2021

Dated: 24-11-2021

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	2.622	8	0.991	0.79	0.771	24.77	33.44	69160	70860	93340	95640	1.70	8.0	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

M. Saleem

Test Performed By:

Dr. /Engr.

Asad Ghalani

Construction Company Engg. & Contractors Sheikhpura.(Extension Weaving Unit)

Client Reference: NIL

SOM Lab

Ref:

5358(Page-1/1)

Dated: 24-11-2021

Dated:

24-11-2021

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	1.492	6	0.747	0.44	0.438	14.80	17.55	74190	74530	87990	88390	0.90	8.0	11.3	
2	0.737	4	0.526	0.20	0.217	8.46	9.55	93300	85990	105330	97080	1.20	8.0	15.0	
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BEND TEST:

# 6	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

Asif Pervaiz Butt
RE AYQ Developers Pvt.Ltd (Union Complex)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5359(Page-1/2)

Dated: 24-11-2021

Dated: 24-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.640	4	0.489	0.20	0.188	7.49	8.87	82620	87900	97800	104040	0.70	8.0	8.8	
2	0.641	4	0.489	0.20	0.188	7.87	9.17	86780	92320	101170	107630	0.90	8.0	11.3	
3	0.629	4	0.485	0.20	0.185	7.29	8.69	80370	86890	95770	103540	0.90	8.0	11.3	
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BEND TEST:

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

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

Asif Pervaiz Butt
RE AYQ Developers Pvt.Ltd (Union Complex)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5359(Page-2/2)

Dated: 24-11-2021

Dated: 24-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.670	4	0.501	0.20	0.197	7.49	9.23	82620	83880	101730	103280	0.90	8.0	11.3	
2	0.640	4	0.489	0.20	0.188	6.57	8.56	72510	77130	94420	100450	0.80	8.0	10.0	
3	0.658	4	0.496	0.20	0.193	9.02	10.65	99480	103090	117470	121730	0.50	8.0	6.3	
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BEND TEST:

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

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

Israr Ullah Khan

Test Performed By: Dr. /Engr. Asad Gillani

RE NESPAK,(Construction Of Underpass across Bedian Road Connecting Ph-VI with Ph-IX,Lahore)

Client Reference: 3790/102/IUK/1/002

SOM Lab

Ref: 5360(Page-1b/1)

Dated: 22-11-2021

Dated: 24-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	1.488	6	0.746	0.44	0.437	15.36	19.37	77000	77530	97080	97750	1.30	8.0	16.3	
2	1.472	6	0.743	0.44	0.433	15.04	18.93	75370	76590	94880	96420	1.20	8.0	15.0	
3	0.667	4	0.500	0.20	0.196	7.34	8.92	80940	82590	98360	100370	0.90	8.0	11.3	
4	0.672	4	0.501	0.20	0.197	7.14	8.92	78690	79890	98360	99860	1.00	8.0	12.5	
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Witnessed By: Mr.Ijaz(DHA-Lab), Nespak

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

Israr Ullah Khan

Test Performed By: Dr. /Engr. Asad Gillani

RE NESPAK,(Construction Of Underpass across Bedian Road Connecting Ph-VI with Ph-IX,Lahore)

Client Reference: 3790/102/IUK/1/002

SOM Lab

Ref: 5360(Page-1a/1)

Dated: 22-11-2021

Dated: 24-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	2.597	8	0.986	0.79	0.763	28.26	35.80	78890	81680	99950	103480	1.30	8.0	16.3	
2	2.636	8	0.993	0.79	0.775	30.04	36.49	83870	85490	101880	103850	0.90	8.0	11.3	
3	2.652	8	0.996	0.79	0.779	27.93	35.12	77980	79080	98040	99420	1.20	8.0	15.0	
4	2.610	8	0.988	0.79	0.767	28.59	36.36	79830	82220	101510	104550	1.20	8.0	15.0	
5	2.626	8	0.991	0.79	0.772	25.20	32.77	70350	71990	91490	93630	1.60	8.0	20.0	
6	2.626	8	0.991	0.79	0.772	24.08	34.10	67220	68790	95190	97410	1.00	8.0	12.5	
7	2.588	8	0.984	0.79	0.761	27.19	36.21	75900	78790	101080	104940	1.30	8.0	16.3	
8	2.609	8	0.988	0.79	0.767	28.19	35.83	78690	81050	100030	103030	1.10	8.0	13.8	
9	2.629	8	0.992	0.79	0.773	24.97	32.64	69720	71260	91120	93130	1.70	8.0	21.3	
10	2.630	8	0.992	0.79	0.773	25.30	32.67	70630	72190	91210	93210	1.60	8.0	20.0	

Witnessed By: Mr.Ijaz(DHA-Lab), Nespak

BEND TEST:

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

Muhammad Awais Khan
 FM(Works Div) Lahore.(Construction Of Staff Hostel KSK Lahore)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: 63301(001)Works/Div/SRDC-L

SOM Lab

Ref: 5361(Page-1/1)

Dated: 16-11-2021

Dated: 24-11-2021

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	1.426	6	0.730	0.44	0.419	14.80	19.37	74190	77910	97080	101950	1.20	8.0	15.0	
2	1.427	6	0.730	0.44	0.419	14.85	18.71	74450	78180	93760	98460	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	6.83	8.56	75320	78450	94420	98360	1.00	8.0	12.5	
4	0.671	4	0.501	0.20	0.197	7.31	8.89	80600	81830	98020	99510	1.00	8.0	12.5	
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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