

Executive Engineer,
Highway Division, Gujrat

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

Client Reference: 1551/MCB

SOM Lab

Ref: 3135(Page-1/1)

Dated: 02-09-2020

Dated: 20-10-2020

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	2.640	8	0.994	0.79	0.776	28.31	34.81	79030	80460	97190	98940	1.40	8.0	17.5	
2	2.637	8	0.993	0.79	0.775	28.64	34.81	79970	81520	97190	99070	1.20	8.0	15.0	
3	1.493	6	0.748	0.44	0.439	17.38	20.29	87120	87320	101680	101910	1.00	8.0	12.5	
4	1.499	6	0.749	0.44	0.441	16.84	20.05	84410	84220	100500	100280	1.00	8.0	12.5	
5	0.679	4	0.505	0.20	0.200	6.09	8.99	67110	67110	99150	99150	1.50	8.0	18.8	
6	0.679	4	0.505	0.20	0.200	6.12	9.07	67450	67450	100050	100050	1.40	8.0	17.5	
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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

Syed Yasir Ali

Resident Engineer, NESPAK, (Pvt) Ltd.(U.E.T. Sub Campus at Narowal)

Test Performed By:

Dr. /Engr.

M Irfan UI
Hassan

Client Reference: 3863/13/SYA/Labtesting/136

Dated: 19-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3136(Page-1/1)

Dated: 20-10-2020

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	2.577	8	0.982	0.79	0.757	25.96	34.48	72480	75640	96250	100440	1.30	8.0	16.3	
2	2.567	8	0.980	0.79	0.754	25.38	34.32	70860	74250	95820	100390	1.40	8.0	17.5	
3	1.442	6	0.735	0.44	0.424	14.27	20.23	71540	74230	101420	105250	1.20	8.0	15.0	
4	1.449	6	0.736	0.44	0.426	15.11	20.95	75720	78210	105000	108450	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	6.65	8.36	73290	75170	92180	94540	1.20	8.0	15.0	
6	0.662	4	0.498	0.20	0.195	6.90	9.07	76100	78050	100050	102610	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

Syed Mohsin Ali
 Manager QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
 Gillani

Client Reference: QA/QC-Steel-2156

Dated: 16-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3137(Page-1/1)

Dated: 20-10-2020

ASTM-A-615

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	0.694	4	0.510	0.20	0.204	7.00	9.53	77230	75710	105100	103040	1.30	8.0	16.3	
2	0.691	4	0.508	0.20	0.203	7.44	10.01	82060	80850	110390	108750	1.20	8.0	15.0	
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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

Nouman Ashraf
Fast Cable Unit 1, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 3138(Page-1/1)

Dated: 20-10-2020

Dated: 20-10-2020

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	24.36	32.95	68020	69420	91980	93880	1.60	8.0	20.0	
2	1.537	6	0.759	0.44	0.452	12.97	19.18	65000	63270	96160	93610	1.30	8.0	16.3	
3	0.670	4	0.501	0.20	0.197	7.16	8.99	78910	80110	99150	100660	1.00	8.0	12.5	
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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

Engr M. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 20-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3139(Page-1/1)

Dated: 20-10-2020

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	1.443	6	0.735	0.44	0.424	14.60	22.29	73170	75930	111750	115960	1.20	8.0	15.0	
2	1.453	6	0.737	0.44	0.427	15.19	22.83	76130	78450	114450	117940	1.10	8.0	13.8	
3	0.676	4	0.503	0.20	0.199	6.27	8.39	69130	69480	92510	92980	1.20	8.0	15.0	
4	0.704	4	0.513	0.20	0.207	6.73	8.77	74190	71680	96670	93400	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

Manager C. R & M

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Allied Bank Ltd. Engineering Cell, South - II, Abdali Tower, Abdali Road, Multan

Client Reference: GHQ/S2/ENGG CELL MTN/MA/2020/324

SOM Lab

Ref: 3140(Page-1/1)

Dated: 14-10-2020

Dated: 20-10-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AGHA 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	2.549	8	0.977	0.79	0.749	26.98	35.52	75330	79450	99180	104610	1.30	8.0	16.3	
2	2.563	8	0.979	0.79	0.753	27.19	35.83	75900	79630	100030	104950	1.30	8.0	16.3	
3	1.455	6	0.738	0.44	0.428	15.72	21.71	78790	81000	108830	111880	1.30	8.0	16.3	
4	1.458	6	0.738	0.44	0.428	15.77	21.78	79050	81260	109190	112250	1.40	8.0	17.5	
5	1.015	5	0.616	0.31	0.298	10.37	13.40	73760	76730	95370	99210	1.20	8.0	15.0	
6	1.021	5	0.618	0.31	0.300	10.81	13.97	76880	79440	99360	102670	1.40	8.0	17.5	
7	0.581	4	0.467	0.20	0.171	7.08	8.72	78130	91370	96110	112410	1.20	8.0	15.0	
8	0.581	4	0.467	0.20	0.171	7.14	8.72	78690	92030	96110	112410	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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

Muhammad Khalid

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

General Secretary, Nashemam-E-Iqbal Cp-Operative Housing Society Ltd. Lahore

Client Reference: NICS/Plaza/Ph-I/735

SOM Lab

Ref: 3141(Page-1/2)

Dated: 15-10-2020

Dated: 20-10-2020

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	2.563	8	0.979	0.79	0.753	23.62	34.30	65940	69180	95760	100470	1.10	8.0	13.8	
2	1.522	6	0.754	0.44	0.447	15.21	19.95	76240	75040	99990	98430	1.20	8.0	15.0	
3	0.657	4	0.496	0.20	0.193	7.41	9.23	81720	84690	101730	105420	1.00	8.0	12.5	
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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

Muhammad Khalid

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

General Secretary, Nashemam-E-Iqbal Cp-Operative Housing Society Ltd. Lahore

Client Reference: NICS/Plaza/Ph-I/736

SOM Lab

Ref: 3141(Page-2/2)

Dated: 15-10-2020

Dated: 20-10-2020

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	1.503	6	0.750	0.44	0.442	14.70	19.83	73680	73350	99380	98930	1.30	8.0	16.3	
2	0.643	4	0.491	0.20	0.189	7.54	9.40	83180	88030	103640	109670	1.00	8.0	12.5	
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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