

Altaf Hussain

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

M. E. A.S. Enterprises, Consultant: AA Associates(Project: Style Textile Managa / Style Textile Rewind)

Client Reference: USD/ASE/24

Dated: 01-09-2020

SOM Lab Ref: CED/SOM/2900(Page-1/1)

Dated: 01-09-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar(AGHA Steel)

Gauge Length: 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation
		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	3.827	25	24.93	491	488	244.70	323.00	498	502	658	662	32.5	200	16.3
2	3.800	25	24.83	491	484	241.00	320.20	491	498	652	662	35.0	200	17.5
3	2.429	20	19.85	314	309	158.00	203.20	503	511	647	657	40.0	200	20.0
4	2.435	20	19.88	314	310	158.00	203.20	503	510	647	655	37.5	200	18.8
5	1.523	16	15.72	201	194	96.50	124.70	480	498	620	643	35.0	200	17.5
6	1.531	16	15.76	201	195	85.50	124.00	425	439	617	636	32.5	200	16.3
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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 Nadeem Khawar

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Resident Engineer, Metroplan-Asian JV, Site Office Talagang Road Mianwali

Client Reference: Metroplan Asian JV-Nexus-MMCH-RE-432

Dated: 27-08-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2898(Page-2/2)

Dated: 01-08-2020

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	0.668	4	0.500	0.20	0.196	5.84	8.12	64410	65730	89590	91420	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	5.56	7.80	61270	62200	85990	87300	1.10	8.0	13.8	
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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

Asif Nadeem Khawar

Resident Engineer, Metroplan-Asian JV, Site Office Talagang Road Mianwali

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Metroplan Asian JV-Nexus-MMCH-RE-420

Dated: 25-08-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2898(Page-1/2)

Dated: 01-08-2020

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	1.501	6	0.749	0.44	0.441	13.20	18.88	66170	66020	94630	94410	1.30	8.0	16.3	
2	1.532	6	0.757	0.44	0.450	13.12	18.62	65760	64300	93350	91280	1.00	8.0	12.5	
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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

M. Yousaf & Co.
Civil Contractor, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: M.Y./UET/2020-004

SOM Lab

Ref: 2899(Page-1/1)

Dated: 20-08-2020

Dated: 01-09-2020

Test: Tension 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	2.619	8	0.990	0.79	0.770	25.23	35.75	70440	72270	99800	102400	1.20	8.0	15.0	
2	2.626	8	0.991	0.79	0.772	25.13	33.51	70150	71790	93540	95720	1.30	8.0	16.3	
3	1.500	6	0.749	0.44	0.441	16.54	20.90	82930	82740	104750	104510	1.10	8.0	13.8	
4	1.502	6	0.749	0.44	0.441	16.46	20.69	82520	82330	103720	103490	1.10	8.0	13.8	
5	0.679	4	0.505	0.20	0.200	6.12	9.43	67450	67450	103980	103980	1.20	8.0	15.0	
6	0.678	4	0.503	0.20	0.199	6.01	9.33	66320	66660	102860	103370	1.50	8.0	18.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

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

Abdul Razzaq

Test Performed By:

Dr. /Engr.

M. Irfan Ul Hassan

Asstt: Executive Engineer-III, Central Civil Division No. I, Pak P.w.d. Lahore

Client Reference: AEE-III/LCCD-I/192-ASF/630

SOM Lab

Ref: 2901(Page-1/1)

Dated: 24-08-2020

Dated: 01-09-2020

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	2.642	8	0.994	0.79	0.776	26.22	35.98	73200	74520	100460	102270	1.20	8.0	15.0	
2	2.791	8	1.022	0.79	0.820	26.20	35.78	73140	70460	99890	96230	1.30	8.0	16.3	
3	1.461	6	0.739	0.44	0.429	13.76	19.80	68980	70750	99230	101770	1.40	8.0	17.5	
4	1.463	6	0.740	0.44	0.430	14.07	20.34	70510	72150	101940	104310	1.20	8.0	15.0	
5	0.653	4	0.494	0.20	0.192	6.73	8.89	74190	77280	98020	102110	1.30	8.0	16.3	
6	0.656	4	0.496	0.20	0.193	6.42	8.89	70820	73390	98020	101580	1.30	8.0	16.3	
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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 Khawaja Irfan Saddiqui
Construction Manager, Deever Developers Pvt. Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ZD/ZO/L/031

SOM Lab

Ref: 2903(Page-1/1)

Dated: 01-09-2020

Dated: 01-09-2020

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	0.672	4	0.501	0.20	0.197	6.12	8.74	67450	68470	96340	97800	1.20	8.0	15.0	
2	0.650	4	0.493	0.20	0.191	5.83	8.56	64300	67330	94420	98870	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

Test Performed by: Dr. Syed Asad Ali Gillani

ESA AFGHANISTAN CONSTRUCTION COMPANY

PROJECT ID: RRD/MOF/NRAP/EAST/NGR/056/C2/001

PROJECT NAME: CONSTRUCTION 51 M RCC GIRDER BRIDGE INCLUDING 1.065KM GRAVEL SURFACED ROAD IN MERGI AND RAGHA VILLAGE HESARAK RODAT.

Client Reference No.: nil

Dated: 25-05-2020

SOM Lab Ref: CED/SOM/ 2902(Page-1/1)

Dated: 01-09-2020

Test: Tensile Test, Elongation at Break, Comp. Set Test & Hardness

Sample Type: BEARING RUBBER PAD

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Elongation at Break(%)
1	6.5 x 2.5	0.385	23.692	530

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	2.50	2.45	2.0

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Bearing Rubber Pad	60.333

