Test Performed By: S. Asad Ali Gillani

Brig.Saeed Ahmed Malik
Resident Engineer
NESPAK Lahore.
(Rehb Of Mall Road Through Repair Of Walkways, Lane Marking, Fixing Of Kerb Stone,Sighboards Etc From PMG To Main Meer Bridge, Lahore)

Client Reference: 3071/BSAM/104/1033 Dated: 29-12-2023

SOM Laboratory Reference: CED/SOM/3565(Page-1/1) Dated: 25-01-2024

Test: Flexural Test & Compressive Strength Tests

Sample Type: CAT – EYES

Specification: ASTM-D4280

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Flexural Load(kg)	Compression Load (Kg)
1	Cat-Eyes Yellow	71.2 x 44.0	101.1 x 89.0	15.1	30.01°	1682.0	---
2	Cat-Eyes Yellow	71.2x 44.1	101.2 x 89.1	15.0	29.82°	---	13170.0

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

Waqas Ahmed Ghumman **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/178 **Dated:** 25-01-2024

SOM Lab Ref: CED/SOM/3564(Page-1/1) **Dated:** 25-01-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615

Sample Type: 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	2.482	20	20.06	314	316	170.50	238.20	543	540	758	754	27.5	200	13.8	
2	2.490	20	20.10	314	317	159.60	230.50	508	504	734	727	27.5	200	13.8	
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BEND TEST:

20mm	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. Major Zia-Ul-Islam ® **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntre, Lahore)

Client Reference: OCC/Steel/54 **SOM Lab Ref:** 3560 (Page-1/1)

Dated: 25-01-2024 **Dated:** 25-01-2024

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	2.660	8	0.998	0.79	0.782	24.13	33.33	67360	68050	93060	94010	1.20	8.0	15.0	
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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

Mirza Muhammad Shahzad **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

RE NESPAK Lhr.(Const Of 4-Lane Bridge Ravi River,Lahore)

SOM Lab

Client Reference: 4537/03/MSA/09/184 **Ref:** 3561 (Page-1/1)

Dated: 22-01-2024 **Dated:** 25-01-2024

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	2.633	8	0.993	0.79	0.774	26.15	35.73	73000	74510	99750	101810	1.40	8.0	17.5	D-9831
2	1.488	6	0.746	0.44	0.437	14.12	18.71	70770	71250	93760	94400	1.50	8.0	18.8	B-5420
3	1.027	5	0.620	0.31	0.302	10.60	13.83	75420	77420	98410	101020	1.20	8.0	15.0	E-9923
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Malik Steel

Malik Steel Sales Depot Lahore.

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

SOM Lab

Client Reference: Nil

Ref: 3562 (Page-1/2)

Dated: 25-01-2024

Dated: 25-01-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AK Supreme)

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	1.483	6	0.745	0.44	0.436	13.25	21.33	66430	67040	106890	107870	1.40	8.0	17.5	
2	1.470	6	0.742	0.44	0.432	13.46	21.68	67450	68700	108680	110690	1.30	8.0	16.3	
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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

Malik Steel

Malik Steel Sales Depot Lahore.

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

Client Reference: Nil

Dated: 25-01-2024

SOM Lab Ref: 3562 (Page-2/2)

Dated: 25-01-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AK Supreme)

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	2.546	8	0.976	0.79	0.748	22.94	35.95	64030	67630	100370	106010	1.40	8.0	17.5	
2	2.528	8	0.973	0.79	0.743	23.14	37.21	64600	68690	103870	110440	1.50	8.0	18.8	
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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

ARE G3 Engineering Consultant **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Sammundari.(Establishment Of Sub Campus Of GC University Faisalabad at Sammundari)

SOM Lab

Client Reference: G3/GCUF/ARE/61 **Ref:** 3563 (Page-1/1)

Dated: 19-12-2023 **Dated:** 25-01-2024

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	1.518	6	0.754	0.44	0.446	15.26	20.05	76490	75460	100500	99150	1.20	8.0	15.0	
2	1.520	6	0.754	0.44	0.447	15.01	19.80	75210	74040	99230	97670	1.40	8.0	17.5	
3	0.671	4	0.501	0.20	0.197	6.54	8.63	72170	73270	95210	96660	1.30	8.0	16.3	
4	0.673	4	0.502	0.20	0.198	6.49	8.77	71610	72330	96670	97650	1.40	8.0	17.5	
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BEND TEST:

# 6	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 Tested

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

Q-Links Construction. **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Q-Links Property Management Pvt.Ltd Lhr.(Const of JGM,Bahria Town Lhr)

Client Reference: JAN-LTR-0018 **SOM Lab Ref:** 3566 (Page-1/1)

Dated: 24-01-2024 **Dated:** 25-01-2024

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	2.644	8	0.995	0.79	0.777	24.87	34.20	69440	70600	95480	97080	1.20	8.0	15.0	
2	1.505	6	0.750	0.44	0.442	15.34	20.59	76900	76550	103210	102750	1.10	8.0	13.8	
3	0.631	4	0.485	0.20	0.185	6.32	7.77	69700	75350	85660	92600	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	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 Tested

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