

Babar Ali

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Const Manager, Guarantee Engrs.(Pvt)Ltd (Beaconhouse School System TNS 2.0 Gulberg-III Lahore)

Client Reference: TNS/GE/ST/013

Dated: 21-03-2022

SOM Lab Ref: CED/SOM/003(Page-1/1)

Dated: 21-03-2022

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	3.811	25	24.88	491	486	235.00	320.00	479	484	652	659	30.0	200	15.0	
2	3.846	25	24.98	491	490	232.50	320.00	474	475	652	654	30.0	200	15.0	
3	2.261	20	19.15	314	288	145.50	187.70	463	506	597	652	35.0	200	17.5	
4	2.246	20	19.08	314	286	144.70	188.50	461	506	600	659	37.5	200	18.8	
5	0.993	12	12.69	113	127	62.20	79.20	550	492	700	626	35.0	200	17.5	
6	0.995	12	12.70	113	127	64.50	81.70	570	509	722	645	30.0	200	15.0	
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Witnessed By:

M.Ali Khan (A.M.C)

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	
12mm	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

Faisal Waseem

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

Ittefaq Construction Associates.(Respected Faizan Liaqat Sab,330 R-Block, Johar Town Lhr)

Client Reference: Nil

SOM Lab

Ref: 002 (Page-1/1)

Dated: 15-03-2022

Dated: 21-03-2022

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	2.556	8	0.978	0.79	0.751	27.90	33.64	77890	81940	93910	98790	1.30	8.0	16.3	
2	1.513	6	0.753	0.44	0.445	16.64	19.59	83390	82450	98210	97100	1.20	8.0	15.0	
3	0.673	4	0.502	0.20	0.198	7.51	9.02	82850	83680	99480	100490	1.20	8.0	15.0	
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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

Sunries Contractors
Lucky Interprises.(Lucky Seven Project)

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

Client Reference: Nil

SOM Lab

Ref: 004 (Page-1/1)

Dated: 21-03-2022

Dated: 21-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(Mehboob

Gauge Length: 8 inch

Sample Type:

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	2.613	8	0.989	0.79	0.768	24.72	35.29	69010	70990	98520	101340	1.30	8.0	16.3	
2	2.611	8	0.988	0.79	0.767	24.54	34.78	68500	70550	97100	100010	1.20	8.0	15.0	
3	1.440	6	0.734	0.44	0.423	14.63	19.42	73320	76270	97340	101250	1.10	8.0	13.8	
4	1.436	6	0.733	0.44	0.422	13.51	18.62	67700	70590	93350	97330	1.30	8.0	16.3	
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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	

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

Sub Divisional officer,

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

HSD Taunsa.(Const Of Metalled Rd From Adda Kareem Wala To Usman Shah Via Basti Lashari)

Client Reference: 1247/T

SOM Lab

Ref: 005 (Page-1/1)

Dated: 20-12-2021

Dated: 21-03-2022

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	0.678	4	0.503	0.20	0.199	6.39	9.33	70480	70840	102860	103370	1.30	8.0	16.3	
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BEND TEST:

# 4	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

Premier Developer & Builders

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

Procurement Manager .(Lyalpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/013

SOM Lab

Ref: 007 (Page-1/1)

Dated: 18-03-2022

Dated: 21-03-2022

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	26.71	35.60	74560	75810	99380	101040	1.30	8.0	16.3	
2	0.666	4	0.500	0.20	0.196	7.59	11.47	83750	85460	126460	129040	0.80	8.0	10.0	
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BEND TEST:

# 8	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

Muhammad Rajab.

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

M.Ex Kachhi Canal Rem.Works Consults-(KC-06B(3R)Const. Of Main Canal And Distibution System)

Client Reference: KCP(QA/QC)KC-6B(3R)/UET/02

SOM Lab

Ref: 6097 (Page-1/1)

Dated: 20-03-2022

Dated: 21-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Moiz 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	24.60	34.53	68670	69370	96390	97370	1.40	8.0	17.5	
2	2.636	8	0.993	0.79	0.775	24.26	34.37	67730	69040	95960	97820	1.60	8.0	20.0	
3	1.632	6	0.782	0.44	0.480	14.83	22.40	74350	68150	112260	102900	1.40	8.0	17.5	
4	1.623	6	0.779	0.44	0.477	14.24	22.04	71380	65850	110470	101900	1.60	8.0	20.0	
5	1.069	5	0.632	0.31	0.314	10.37	14.07	73760	72820	100080	98810	1.40	8.0	17.5	
6	1.068	5	0.632	0.31	0.314	10.40	14.24	73970	73030	101310	100020	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	
# 5	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 Rajab.

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

M.Ex Kachhi Canal Rem.Works Consults-(KC-06B(3R)Const. Of Main Canal And Distribution System)

Client Reference: KCP(QA/QC)KC-6B(3R)/UET/03

SOM Lab

Ref: 6098 (Page-1/1)

Dated: 20-03-2022

Dated: 21-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (ASG 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	2.506	8	0.968	0.79	0.736	25.33	31.77	70720	75910	88700	95210	1.20	8.0	15.0	
2	2.508	8	0.969	0.79	0.737	25.18	31.93	70290	75350	89130	95540	1.40	8.0	17.5	
3	0.891	5	0.578	0.31	0.262	11.01	13.32	78330	92670	94790	112150	1.00	8.0	12.5	
4	0.890	5	0.578	0.31	0.262	11.01	13.66	78330	92670	97180	114980	1.30	8.0	16.3	
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BEND TEST:

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

Sub Divisional officer,

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

BSD No.20 Lahore.(Const Of Multi-Purpose Complex At Civic Centre Jubilee Town,Lahore)

Client Reference: 141/20Th

SOM Lab

Ref: 6099 (Page-1/1)

Dated: 11-03-2022

Dated: 21-03-2022

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	2.677	8	1.001	0.79	0.787	24.06	33.86	67160	67420	94540	94900	1.50	8.0	18.8	
2	2.671	8	1.000	0.79	0.785	23.55	33.51	65740	66160	93540	94140	1.40	8.0	17.5	
3	1.488	6	0.746	0.44	0.437	13.71	19.75	68730	69200	98970	99650	1.30	8.0	16.3	
4	1.500	6	0.749	0.44	0.441	14.12	20.29	70770	70610	101680	101450	1.10	8.0	13.8	
5	0.655	4	0.494	0.20	0.192	6.24	8.74	68800	71660	96340	100350	1.20	8.0	15.0	
6	0.658	4	0.496	0.20	0.193	6.52	8.87	71940	74550	97800	101340	1.00	8.0	12.5	
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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

Nasir Mahmood

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE ESAC Sector K DHA Multan.(Sec K DHA Main Office & Gate House Building)

Client Reference: RE/ESAC/SECTOR K/123

SOM Lab

Ref:

6100(Page-1/1)

Dated: 17-03-2022

Dated:

21-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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	1.496	6	0.748	0.44	0.440	13.63	18.76	68320	68320	94020	94020	1.40	8.0	17.5	
2	1.510	6	0.752	0.44	0.444	13.99	18.76	70100	69470	94020	93170	1.50	8.0	18.8	
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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

Test Performed By: S. Asad Ali Gillani

Javid Hussain
Resident Engineer,
Nespak.

(Up-Gradation/Dualization Of Motorway Link From Kohat Via Jand Khushal Garh To Kohat.(package-3) .

Client Reference: 4035/103/JH/366

Dated: 17-03-2022

SOM Laboratory Reference: CED/SOM/001(Page-1/1)

Dated: 21-03-2022

Test: Compressive & Flexure Tests

Sample Type: CAT – EYES (Pavement Studs)

Test Specification: ASTM-D4280

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Flexure Load (Kg)	Compression Load (Kg)
1	Yellow Cat-Eyes	70.0 x 39.3	99.4 x 99.3	19.3	28.36°	-----	23960
2	Yellow Cat-Eyes	70.3 x 39.4	99.3 x 99.3	19.4	28.70°	4180	-----
2	Yellow Cat-Eyes	70.2 x 39.4	99.5 x 99.4	19.3	28.51°	3980	-----

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

