

Brig ® Sher Afgan Niazi
C. R. E, S.G Consultant Rawalpindi

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

Client Reference: CCQ/SG/Gen-25
SOM Lab Ref: CED/SOM/3890(Page-1/1)
Test: Tension and Bend Test
Sample Type: Deformed Bar(FF Steel)

Dated: 21-02-2021
Dated: 22-02-2021
Test Specification: ASTM-A 615
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	1.541	16	15.80	201	196	94.00	129.50	468	480	644	661	30.0	200	15.0	
2	1.537	16	15.79	201	196	94.00	130.20	468	481	648	665	27.5	200	13.8	
3	1.007	13	12.78	133	128	91.70	88.50	691	716	667	691	30.0	200	15.0	
4	1.007	13	12.78	133	128	61.50	88.00	463	480	663	687	27.5	200	13.8	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
13mm	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

Jamal Abdul Nasir

Test Performed By:

Dr. /Engr.

M. Rehan Ashraf

Senior Resident Engineer, ACES (Pvt) Ltd -Site Office - Iqbal Gate, DHA, Multan

Client Reference: ACES/DHAM/DEV/SEC-V/362

Dated: 17-02-2021

SOM Lab Ref: CED/SOM/3891 (Page-1/1)

Dated: 22-02-2021

Test: Tension Test Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Mughal Steel)

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	1.567	16	15.96	201	200	116.70	140.20	580	584	697	701	35.0	200	17.5	
2	1.572	16	15.97	201	200	116.50	139.70	579	582	695	698	27.5	200	13.8	
3	0.874	12	11.90	113	111	68.20	77.50	603	613	685	697	25.0	200	12.5	
4	0.913	12	12.17	113	116	74.00	93.00	654	637	822	800	25.0	200	12.5	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

Shoaib Riaz
Project Incharge, Royal Orchard Sahiwal

Test Performed By: Dr. /Engr. M Rehan Ashraf

Client Reference: HRL/ROS/2021/094
Dated: 22-02-2021
Test: Tension Test
Gauge Length: 8 inch

SOM Lab 3886(Page-1/1)
Ref: 1/1)
Dated: 22-02-2021
ASTM-A-615
Deformed Bar

Test Specification: ASTM-A-615
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	1.508	6	0.751	0.44	0.443	15.21	19.78	76240	75720	99130	98450	1.10	8.0	13.8	
2	1.493	6	0.748	0.44	0.439	13.56	18.25	67960	68110	91460	91670	1.30	8.0	16.3	
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BEND TEST:

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

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

Sub Divisional Officer
SSTH Multan Road Lahore

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

Client Reference: SS. DC()/923

SOM Lab 3887(Page-

Ref: 1/1)

Dated: 09-02-2021

Dated: 22-02-2021

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	2.673	8	1.000	0.79	0.786	29.79	37.61	83160	83580	105010	105550	1.20	8.0	15.0	
2	2.673	8	1.000	0.79	0.786	30.07	37.43	83950	84380	104500	105030	1.30	8.0	16.3	
3	1.488	6	0.746	0.44	0.437	14.29	22.50	71640	72130	112770	113540	1.10	8.0	13.8	
4	1.489	6	0.747	0.44	0.438	14.27	22.48	71540	71860	112660	113180	1.20	8.0	15.0	
5	0.684	4	0.506	0.20	0.201	6.47	9.84	71380	71030	108480	107940	1.10	8.0	13.8	
6	0.600	4	0.473	0.20	0.176	6.44	9.84	71040	80730	108480	123270	1.20	8.0	15.0	
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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

Muhammad Aman Ullah

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

Resident Engineer, NESPAK(Pvt) Ltd. Project: Dev. Of Infra in LDA City, Pkg -1,4 & 6, Jinnah Sector Lhr.

Client Reference: 4047/13/MA/09/26

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SOM Lab Ref: 1/1)

Dated: 20-02-2021

Dated: 22-02-2021

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	2.699	8	1.005	0.79	0.793	35.68	40.37	99600	99230	112690	112270	1.20	8.0	15.0	
2	2.699	8	1.005	0.79	0.793	35.55	39.96	99230	98860	111560	111130	1.10	8.0	13.8	
3	1.488	6	0.746	0.44	0.437	14.60	19.06	73170	73670	95550	96200	1.20	8.0	15.0	
4	1.494	6	0.748	0.44	0.439	14.80	19.16	74190	74360	96060	96280	1.10	8.0	13.8	
5	0.688	4	0.507	0.20	0.202	7.10	9.09	78350	77580	100270	99280	1.00	8.0	12.5	
6	0.777	4	0.539	0.20	0.228	7.05	8.79	77790	68240	96900	85000	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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Nauman khurram

Dy Dir MTL, Infra Development Works Sector - Q , DHA Ph-XI - (M/S DHA C)

Client Reference: 408/241/E/Lab/36/3193

SOM Lab

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Ref:

1/1)

Dated: 22-02-2021

Dated:

22-02-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	0.656	4	0.496	0.20	0.193	6.42	8.46	70820	73390	93300	96680	1.30	8.0	16.3	
2	0.657	4	0.496	0.20	0.193	6.37	8.43	70260	72810	92960	96340	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