

Maj Adnan Khalid (R) Dy Dir MTL

Test Performed By:

Dr. /Engr. Asad Gillani

DHA Lahore,(Infra Development Work Ph-XI Sector Q Rahbar-(M/s DHAC)

Client Reference: 408/241/E/Lab/177/2640

SOM Lab

Ref: 5451-5453(P-1/2)

Dated: 09-12-2021

Dated: 13-12-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	0.689	4	0.507	0.20	0.202	6.57	8.53	72510	71790	94090	93160	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	6.52	8.31	71940	73040	91610	93010	1.20	8.0	15.0	
3	0.660	4	0.497	0.20	0.194	6.68	8.43	73630	75910	92960	95840	1.30	8.0	16.3	
4	0.690	4	0.508	0.20	0.203	6.60	8.46	72730	71660	93300	91920	1.20	8.0	15.0	
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BEND TEST:

# 4	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

Maj Adnan Khalid (R) Dy Dir MTL
 DHA Lahore, (Infra Development Work Ph-XI Sector Q Rahbar-(M/s DHAC)

Test Performed By: Dr. /Engr. Asad Gillani

Client Reference: 408/241/E/Lab/178/119

SOM Lab

Ref: 5451-5453(P-2/2)

Dated: 09-12-2021

Dated: 13-12-2021

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	1.509	6	0.751	0.44	0.443	16.41	20.46	82260	81710	102550	101850	1.20	8.0	15.0	
2	1.531	6	0.757	0.44	0.450	16.57	20.80	83080	81240	104230	101920	1.20	8.0	15.0	
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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

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Test Performed By:

Dr. /Engr.

Asad Gillani

PM Zaheer Associates, Garden City Muridke. (Const. of Jamia Mosque `A` Block)

Client Reference: Z.A/G.C/001-21

SOM Lab

Ref:

5454 (Page-1/1)

Dated: 13-12-2021

Dated:

13-12-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ravi 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	1.404	6	0.725	0.44	0.413	10.45	15.92	52380	55800	79810	85030	1.50	8.0	18.8	
2	1.400	6	0.723	0.44	0.411	10.04	15.90	50330	53880	79710	85330	1.40	8.0	17.5	
3	0.557	4	0.457	0.20	0.164	4.81	7.21	53060	64710	79470	96920	0.90	8.0	11.3	
4	0.594	4	0.472	0.20	0.175	5.30	8.41	58460	66810	92740	105990	0.80	8.0	10.0	
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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

Engr. Javed Asad
 CRE Jalapur Irrigation Project Consultants.

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

Client Reference: JIP/TECH/CRE/337
Dated: 10-12-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5455(Page-1/1)
Dated: 13-12-2021
Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Nomi 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	1.475	6	0.743	0.44	0.433	15.88	20.00	79610	80890	100250	101870	1.00	8.0	12.5	
2	1.457	6	0.738	0.44	0.428	15.78	19.88	79100	81310	99640	102430	1.00	8.0	12.5	
3	0.593	4	0.471	0.20	0.174	5.35	8.26	59020	67840	91050	104660	1.00	8.0	12.5	
4	0.591	4	0.471	0.20	0.174	5.35	8.26	59020	67840	91050	104660	1.00	8.0	12.5	
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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

M. Saleem
Construction Company, Sheikhpura

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

Client Reference: Nil

SOM Lab

Ref: 5456(Page-1/1)

Dated: 13-12-2021

Dated: 13-12-2021

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	2.625	8	0.991	0.79	0.771	25.35	34.15	70780	72520	95340	97680	1.60	8.0	20.0	
2	0.678	4	0.503	0.20	0.199	6.93	9.07	76440	76820	100050	100550	1.10	8.0	13.8	
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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

Engr. Javed Asad
 CRE Jalapur Irrigation Project Consultants.

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

Client Reference: JIP/TECH/CRE/P-2/15
Dated: 13-12-2021

SOM Lab
Ref: 5458(Page-1/1)
Dated: 13-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615
 Deformed Bar (Pak Steel)

Gauge Length: 8 inch

Sample Type:

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	2.513	8	0.970	0.79	0.739	26.68	37.43	74480	79620	104500	111710	1.30	8.0	16.3	
2	2.517	8	0.971	0.79	0.740	24.54	32.57	68500	73130	90920	97070	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

Muhammad Aslam

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

MC Allied Bank Lt.Engg.Cell Multan.(Const.Project Allied Bank Limited Chunian Branch, Region Swl)

Client Reference: Nil

SOM Lab

Ref: 5459(Page-1/1)

Dated: 07-12-2021

Dated: 13-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittefaq Brand)

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	1.478	6	0.743	0.44	0.434	14.22	18.96	71280	72270	95040	96350	1.20	8.0	15.0	
2	1.484	6	0.745	0.44	0.436	13.51	18.82	67700	68320	94320	95190	1.20	8.0	15.0	
3	0.607	4	0.476	0.20	0.178	5.73	8.69	63180	70980	95770	107610	1.10	8.0	13.8	
4	0.606	4	0.476	0.20	0.178	5.78	8.72	63740	71620	96110	107990	1.20	8.0	15.0	
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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

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

Sohail afzal

Sr. Project Manager,

Izhar Construction (Pvt.)Ltd.

(Testing for Dolmen Mall Lahore)

Client Reference: ICPL/CONST-DML/21/66

Dated: 10-12-2021

SOM Lab Ref: CED/SOM/5457(Page-1/2)

Dated: 13-12-2021

Test: Tension Test

Gauge Length: 100mm

Sample Type: HAS Threaded Rod
(24x1m4.8grade)

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate Stress	Elongation	Gauge Length	%age Elongation	Remarks
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	24	16.2	206.12	102.5	121.5	497.28	589.46	15.2	100	15.2	-
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Note:-

Only One Sample
Received and Tested

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

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

Sohail afzal

Sr. Project Manager,

Izhar Construction (Pvt.)Ltd.

(Testing for Dolmen Mall Lahore)

Client Reference: ICPL/CONST-DML/21/64

Dated: 10-12-2021

SOM Lab Ref: CED/SOM/5457(Page-2/2)

Dated: 13-12-2021

Test: Tension Test

Gauge Length: 100mm

Sample Type: HAS Threaded Rod
(30x1m4.8grade)

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate Stress	Elongation	Gauge Length	%age Elongation	Remarks
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	30	20.3	323.65	205.0	256.0	633.40	790.97	12.7	100	12.7	-
-	-	-	-	-	-	-	-	-	-	-	-
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Note:-

Only One Sample
Received and Tested

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

