

Ahmad Husnains

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Asst. Manager Coordination , IZHAR Construction (Pvt) Ltd. ahore

Client Reference: ICPL/CONST-NML/21/081

Dated: 05-07-2021

SOM Lab Ref: CED/SOM/4615(Page-1/3)

Dated: 06-07-2021

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	1.000	12	12.72	113	127	55.70	86.90	492	439	768	685	32.5	200	16.3	
2	1.003	12	12.76	113	128	56.00	87.20	495	439	771	683	37.5	200	18.8	
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BEND TEST:

12mm	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

Ahmad Husnains

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Asst. Manager Coordination , IZHAR Construction (Pvt) Ltd. ahore

Client Reference: ICPL/CONST-NML/21/082

Dated: 05-07-2021

SOM Lab Ref: CED/SOM/4615(Page-2/3)

Dated: 06-07-2021

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	1.508	16	15.64	201	192	99.00	125.50	492	516	624	654	32.5	200	16.3	
2	1.511	16	15.66	201	193	98.20	125.50	488	511	624	652	32.5	200	16.3	
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BEND TEST:

16mm	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

Ahmad Husnains

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Asst. Manager Coordination , IZHAR Construction (Pvt) Ltd. ahore

Client Reference: ICPL/CONST-NML/21/083

Dated: 05-07-2021

SOM Lab Ref: CED/SOM/4615(Page-3/3)

Dated: 06-07-2021

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	3.864	25	25.03	491	492	263.20	328.70	536	535	670	669	32.5	200	16.3	
2	3.834	25	24.94	491	488	265.00	333.70	540	543	680	684	37.5	200	18.8	
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BEND TEST:

25mm	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

Junaid Manj
J. Manj Construction Company, Lahore

Client Reference:

Dated:

Test:

Gauge Length:

S.No.	
1	1.4
2	0.6
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BEND TEST:

6
4

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

M. Aslam
Lahore

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: Nil

SOM Lab

Ref: 4608(Page-1/1)

Dated: 05-07-2021

Dated: 05-07-2021

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	2.585	8	0.984	0.79	0.760	22.12	31.29	61760	64190	87370	90820	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	7.24	9.43	79810	81030	103980	105560	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

Junaid Manj
J. Manj Construction Company, Lahore

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: Nil

SOM Lab

Ref: 4618(Page-1/1)

Dated: 06-07-2021

Dated: 06-07-2021

Test: Tension 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	2.594	8	0.985	0.79	0.762	22.19	31.62	61960	64230	88280	91520	1.20	8.0	15.0	
2	1.448	6	0.736	0.44	0.426	13.46	18.20	67450	69660	91210	94200	1.30	8.0	16.3	
3	0.682	4	0.505	0.20	0.200	6.17	8.23	68010	68010	90720	90720	1.10	8.0	13.8	
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BEND TEST:

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

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

Adnan Khalil
Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 05-07-2021

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4609(Page-1/1)

Dated: 05-07-2021

ASTM-A-615

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	2.594	8	0.985	0.79	0.762	22.19	31.62	61960	64230	88280	91520	1.20	8.0	15.0	
2	1.453	6	0.737	0.44	0.427	13.46	18.20	67450	69500	91210	93980	1.30	8.0	16.3	
3	0.682	4	0.505	0.20	0.200	6.17	8.23	68010	68010	90720	90720	1.10	8.0	13.8	
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BEND TEST:

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

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

Executive Engineer (B & W)
UVAS, Lahore

Test Performed By: Dr. /Engr. M. Irfan UI Hassan

Client Reference: E.E 660

SOM Lab

Ref: 4610 (Page-1/1)

Dated: 05-07-2021

Dated: 05-07-2021

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	1.477	6	0.743	0.44	0.434	13.15	18.76	65910	66830	94020	95320	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	6.70	9.19	73850	74980	101390	102940	1.20	8.0	15.0	
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BEND TEST:

# 6	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

M. Saleem Construction Company
Engineers & Contractors, Lahore Road Sheikhpura

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Steel Test (N.T.N. 2872696 - 7)

SOM Lab

Ref: 4611(Page-1/1)

Dated: 05-07-2021

Dated: 05-07-2021

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	0.663	4	0.498	0.20	0.195	6.88	8.94	75880	77820	98580	101110	1.20	8.0	15.0	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

Maj Tanveer Ahmad (R)
Resident Engineer-2, ACES Sector -V, - DHA, Multan

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: ACES/DHAM/DEV/SEC-V/547

Dated: 26-06-2021

SOM Lab

Ref: 4612(Page-1/2)

Dated: 05-07-2020

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	2.692	8	1.004	0.79	0.791	28.85	36.14	80540	80440	100880	100760	1.50	8.0	18.8	
2	2.668	8	0.999	0.79	0.784	25.89	34.12	72290	72840	95250	95980	1.40	8.0	17.5	
3	1.528	6	0.756	0.44	0.449	14.88	19.44	74600	73110	97440	95490	1.40	8.0	17.5	
4	1.512	6	0.752	0.44	0.444	15.26	19.72	76490	75800	98870	97980	1.50	8.0	18.8	
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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

Resident Engineer

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

NESPAK, Const. of Underpass at Ghulan Davi Hospital and Additional Lines on Lahore Bridge

Client Reference: GD/103/RE/05/09

SOM Lab

Ref: 4613(Page-1/1)

Dated: 05-07-2021

Dated: 05-07-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala Premium)

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	14.68	19.06	73580	73080	95550	94900	1.40	8.0	17.5	
2	1.513	6	0.753	0.44	0.445	14.34	18.73	71890	71090	93860	92810	1.30	8.0	16.3	
3	0.673	4	0.502	0.20	0.198	6.01	8.51	66320	66990	93860	94810	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	6.01	8.53	66320	67330	94090	95520	1.10	8.0	13.8	
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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 TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sub Divisional Officer
Lahore Canal Sub Division, Lahore

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

Client Reference: 338/28-W

SOM Lab

Ref: 4616(Page-1/2)

Dated: 17-03-2021

Dated: 06-07-2021

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	1.500	6	0.749	0.44	0.441	15.04	18.91	75370	75200	94780	94570	1.50	8.0	18.8	
2	1.490	6	0.747	0.44	0.438	14.88	18.86	74600	74940	94530	94960	1.50	8.0	18.8	
3	0.658	4	0.496	0.20	0.193	5.88	8.31	64860	67210	91610	94940	1.30	8.0	16.3	
4	0.649	4	0.493	0.20	0.191	5.88	8.23	64860	67920	90720	94990	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

Sub Divisional Officer
Lahore Canal Sub Division, Lahore

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

Client Reference: 333/28-W

SOM Lab

Ref: 4616(Page-2/2)

Dated: 15-03-2021

Dated: 06-07-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Model 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	13.78	19.59	69080	70200	98210	99790	1.40	8.0	17.5	
2	1.475	6	0.743	0.44	0.433	13.71	19.57	68730	69840	98100	99690	1.50	8.0	18.8	
3	0.666	4	0.500	0.20	0.196	6.37	8.38	70260	71690	92400	94290	1.30	8.0	16.3	
4	0.662	4	0.498	0.20	0.195	6.39	8.41	70480	72290	92740	95120	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

Muhammad Hammad Sami
Salman Developers, Lahore (Grand Square Mall)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 02-07-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4617(Page-1/1)

Dated: 06-07-2021

ASTM-A-615

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	2.608	8	0.988	0.79	0.766	29.46	37.21	82250	84820	103870	107130	1.00	8.0	12.5	
2	2.569	8	0.980	0.79	0.755	26.17	33.56	73050	76440	93680	98030	1.10	8.0	13.8	
3	1.439	6	0.734	0.44	0.423	15.39	19.88	77160	80260	99640	103640	1.20	8.0	15.0	
4	1.442	6	0.735	0.44	0.424	14.29	19.37	71640	74340	97080	100740	1.00	8.0	12.5	
5	0.642	4	0.491	0.20	0.189	6.27	8.21	69130	73160	90490	95760	1.00	8.0	12.5	
6	0.643	4	0.491	0.20	0.189	6.37	8.56	70260	74350	94420	99920	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

Junaid Manj
J. Manj Construction Company, Lahore

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: Nil

SOM Lab

Ref: 4618(Page-1/1)

Dated: 06-07-2021

Dated: 06-07-2021

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	1.483	6	0.745	0.44	0.436	12.74	17.84	63870	64460	89420	90240	1.30	8.0	16.3	
2	0.681	4	0.505	0.20	0.200	6.19	8.41	68230	68230	92740	92740	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	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

