

Jaffar Rasheed Sheikh

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr Project Manager ,Izhar Const.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

Client Reference: ICPL/CONST-DML/21/300

Dated: 16-01-2023

SOM Lab Ref: CED/SOM/1594(Page-1/2)

Dated: 17-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Batala Premium)

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.000	12	12.72	113	127	56.20	78.50	497	443	694	619	27.5	200	13.8	
2	1.002	12	12.75	113	128	56.20	79.00	497	441	699	620	25.0	200	12.5	
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**BEND TEST:**

12mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Jaffar Rasheed Sheikh

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

Sr Project Manager ,Izhar Const.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

**Client Reference:** ICPL/CONST-DML/21/301

**Dated:** 16-01-2023

**SOM Lab Ref:** CED/SOM/1594(Page-2/2)

**Dated:** 17-01-2023

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** M S Deformed Bar (Batala Premium)

**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.584	16	16.04	201	202	110.50	141.70	550	548	705	702	30.0	200	15.0	
2	1.568	16	15.95	201	200	111.00	141.50	552	556	704	709	30.0	200	15.0	
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**BEND TEST:**

16mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Zeshan afzal  
Lahore.

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 1595 (Page-1/1)

**Dated:** 17-01-2023

**Dated:** 17-01-2023

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.609	8	0.988	0.79	0.767	25.20	34.45	70350	72460	96190	99070	1.30	8.0	16.3	
2	2.136	7	0.894	0.60	0.628	20.59	37.92	75690	72320	139390	133170	1.40	8.0	17.5	
3	1.529	6	0.756	0.44	0.449	15.31	21.20	76750	75210	106280	104150	1.40	8.0	17.5	
4	0.672	4	0.501	0.20	0.197	6.68	8.97	73630	74750	98920	100430	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Eight Samples Received and Tested
# 7	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: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Irfan  
Asst Dir Infra DHA Gujranwala.(Sector C)

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

Client Reference: 111/15/AD/RS/Pkg-2A/1014

SOM Lab

Ref: 1596 (Page-1/1)

Dated: Jan 2023

Dated: 17-01-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Nomee 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.708	8	1.007	0.79	0.796	25.96	33.97	72480	71940	94820	94110	1.10	8.0	13.8	
2	2.644	8	0.995	0.79	0.777	26.01	33.84	72630	73840	94480	96060	1.40	8.0	17.5	
3	0.674	4	0.502	0.20	0.198	6.29	9.30	69360	70060	102520	103550	1.30	8.0	16.3	
4	0.672	4	0.501	0.20	0.197	6.29	9.35	69360	70410	103080	104650	1.30	8.0	16.3	
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Witnessed By: Abdul Rehman (Lab.Tec DHAG)

**BEND TEST:**

# 8 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](http://www.uet-civil.edu.pk)

Prime Builders  
Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1597 (Page-1/1)

Dated: 17-01-2023

Dated: 17-01-2023

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.615	8	0.989	0.79	0.768	22.28	35.07	62210	63990	97900	100700	1.20	8.0	15.0	
2	2.623	8	0.991	0.79	0.771	22.34	35.27	62380	63920	98470	100890	1.40	8.0	17.5	
3	1.492	6	0.747	0.44	0.438	13.61	21.33	68210	68530	106890	107380	1.30	8.0	16.3	
4	1.477	6	0.743	0.44	0.434	13.53	21.27	67810	68740	106640	108110	1.20	8.0	15.0	
5	0.648	4	0.492	0.20	0.190	5.73	9.02	63180	66500	99480	104720	1.30	8.0	16.3	
6	0.643	4	0.491	0.20	0.189	5.91	9.19	65200	68990	101390	107290	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

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

Client Reference: OCC/Steel/29

SOM Lab

Ref:

1598 (Page-1/1)

Dated: 17-01-2023

Dated:

17-01-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.661	4	0.497	0.20	0.194	7.14	9.48	78690	81120	104540	107770	1.20	8.0	15.0	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Khalid Zaman,RE

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

ECSP CM Pkg WASA,FSD.(Rehb/Repl Of Sludge Career Risalewala Rd to Dijkot Seepage Drain)

Client Reference: ECSP/CM Package-260

SOM Lab

Ref: 1599 (Page-1/1)

Dated: 02-12-2022

Dated: 17-01-2023

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.670	4	0.501	0.20	0.197	6.83	8.74	75320	76460	96340	97800	1.10	8.0	13.8	
2	0.663	4	0.498	0.20	0.195	7.03	8.76	77560	79550	96560	99040	1.10	8.0	13.8	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)