

Naeem Iqbal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy Dir (Maint) M-4 NHA, Faisalabad.(Contract No.WS-M4-439-2021-22 KM180)

4772(Page-1/3)

Client Reference: DD(Maint)/M-4/NHA/23/1453A

SOM Lab Ref:

Dated: 28-11-2023

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def 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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.992	12	12.67	113	126	59.30	89.70	525	471	794	712	35.0	200	17.5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

Naeem Iqbal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy Dir (Maint) M-4 NHA, Faisalabad.(Contract No.WS-M4-440-2021-22 KM180)

4772(Page-2/3)

Client Reference: DD(Maint)/M-4/NHA/23/1454

SOM Lab Ref:

Dated: 28-11-2023

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def 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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.995	12	12.72	113	127	59.20	89.50	524	467	792	705	32.5	200	16.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

Naeem Iqbal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy Dir (Maint) M-4 NHA, Faisalabad.(Contract No.WS-M4-441-2021-22 KM180)

4772(Page-3/3)

Client Reference: DD(Maint)/M-4/NHA/23/1633

SOM Lab Ref:

Dated: 21-02-2023

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def 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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.020	12	12.87	113	130	54.70	89.50	484	421	792	689	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

Saleem Ullah Khan

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

Safaa Engineering Services Pvt. Ltd. Islamabad. (TAWAL Rollout) (Site ID`s: TWPPSH0046)

Client Reference: Nil

SOM Lab Ref: 4782 (P-1/12)

Dated: 23-08-2024

Dated: 11-09-2024

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.319	20	19.38	314	295	144.70	183.00	461	491	583	621	30.0	200	15.0	
2	1.570	16	15.96	201	200	111.00	137.00	552	556	682	686	27.5	200	13.8	
3	0.973	12	12.56	113	124	76.50	90.70	677	618	803	732	25.0	200	12.5	
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**BEND TEST:**

--	No Bend test performed	<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)

Safaa Engineering  
Services Pvt. Ltd. Islamabad.

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

Client Reference: Nil

SOM Lab Ref: 4782 (P-2/12)

Dated: Nil

Dated: 11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.560	16	15.92	201	199	102.50	126.50	510	516	629	636	32.5	200	16.3	
2	0.967	12	12.52	113	123	79.00	92.00	699	642	814	748	25.0	200	12.5	
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**BEND TEST:**

--	No Bend test performed	<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 Bilal  
SRES Pvt. Ltd. Islamabad. (B2S Project) (Site ID`s: NRO24-CB-132)

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

**Client Reference:** Nil

**SOM Lab Ref:** 4782 (P-3/12)

**Dated:** 17-08-2024

**Dated:** 11-09-2024

**Test:** Tension Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 200 mm

**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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.339	20	19.48	314	298	148.70	184.50	474	499	588	620	30.0	200	15.0	
2	0.975	12	12.58	113	124	76.50	91.70	677	616	812	739	27.5	200	13.8	
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**BEND TEST:**

--	No Bend test performed	<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 Bilal

Test Performed By:

Dr. /Engr. Asad Ali Gillani

SRES Pvt. Ltd.Islamabad.(B2S Project) (Site ID`s: TWPLHR0241,TWPKWL0011 & TWPBWN0008)

Client Reference: Nil

SOM Lab Ref:

4782 (P-4/12)

Dated: 13-08-2024

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.212	20	18.95	314	282	139.50	180.00	444	495	573	639	30.0	200	15.0	
2	1.397	16	15.05	201	178	95.70	125.00	476	538	622	703	25.0	200	12.5	
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**BEND TEST:**

--	No Bend test performed	<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 Bilal

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

SRES Pvt.Ltd.Isb.(SCO Solar Project) (BMR002,MBR005,KTL033,MRP026,MPR004 & BMR018)

Client Reference: Nil

SOM Lab Ref: 4782 (P-5/12)

Dated: 17-08-2024

Dated: 11-09-2024

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.574	16	16.00	201	201	101.10	126.70	503	503	630	631	35.0	200	17.5	
2	0.990	12	12.67	113	126	73.20	88.50	648	581	783	702	25.0	200	12.5	
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**BEND TEST:**

--	No Bend test performed	<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)



Ali Murtaza

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

AMC (Pvt Ltd). (Enfrashare Rollout-2023) (EC2-FSD-08774) (EN1-PSW-08118)

Client Reference: Nil

SOM Lab Ref:

4782 (P-6/12)

Dated: 01-09-2023

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.395	16	15.05	201	178	86.00	118.50	428	484	590	666	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

Ali Murtaza,AMC (Pvt.Ltd)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Enfrashare Rollout-2023.(EN1-PSW-08118,EC2-FSD-08774,EC1-SKG-07812,EC1-LHR-08794)

Client Reference: Nil

SOM Lab Ref:

4782 (P-7/12)

Dated: 01-09-2023

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.973	12	12.57	113	124	70.00	86.50	619	565	765	698	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

Ali Murtaza  
 AMC (Pvt.Ltd) (Enfrashare Rollout-2023) (EC1-SKG-07812)

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

Client Reference: Nil

SOM Lab Ref: 4782 (P-8/12)

Dated: 01-09-2023

Dated: 11-09-2024

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.366	20	19.58	314	301	150.00	186.50	478	499	594	620	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

ZENITH Associates  
 Project Engro Enfra Share Site ID: 53474 (EN1-TKB-09147)

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

**Client Reference:** Zinat Associate/Steel/Engro Enfra Share/01

**SOM Lab Ref:** 4782 (P-9/12)

**Dated:** 05-06-2024

**Dated:** 11-09-2024

**Test:** Tension Test

**Test Specification:** ASTM-A-615

**Guage Length:** 200 mm

**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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.555	16	15.88	201	198	111.00	137.70	552	561	685	696	27.5	200	13.8	
2	0.994	12	12.70	113	127	79.70	93.70	705	630	829	741	30.0	200	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

--	No Bend test performed	<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)

AJ Contractor

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lahore.(Tawal Site ID: TWPGR0016,TWPSGD0010,TWPBWN0009,TWPJNG0013)

Client Reference: AJ Contractor/Steel/Tawal/12

SOM Lab Ref:

4782 (P-10/12)

Dated: 09-08-2024

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.206	20	18.92	314	281	140.00	182.00	446	499	580	648	30.0	200	15.0	
2	1.397	16	15.06	201	178	85.70	118.00	426	482	587	663	30.0	200	15.0	
3	0.982	12	12.62	113	125	79.70	92.70	705	637	820	741	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

--	No Bend test performed	<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)

TES Engineering.  
Lahore.(IIB213 & IRP619) (Nokia)

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

Client Reference: Nil

SOM Lab Ref: 4782 (P-11/12)

Dated: 20-08-2024

Dated: 11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.194	20	18.85	314	279	151.20	185.70	482	542	591	666	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

LCC Pakistan (Pvt) Ltd

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Islamabad.(Edotco Roll Out Project) (Site IDs: NRO2024-CA-144 and NRO2024-CB-405)

Client Reference: Nil

SOM Lab Ref:

4782 (P-12/12)

Dated: Nil

Dated:

11-09-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.170	20	18.75	314	276	150.00	183.50	478	544	584	665	30.0	200	15.0	
2	0.998	12	12.72	113	127	79.20	93.50	701	623	827	736	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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**BEND TEST:**

--	No Bend test performed	<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)

Waqas Ahmed Ghumman,PM  
High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

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

**Client Reference:** QC/HQ/CIVIL/233  
**SOM Lab Ref:** CED/SOM/4775 (Page-1/1)  
**Test:** Tension Test & Bend Test  
**Sample Type:** Deformed Bar

**Dated:** 11-09-2024  
**Dated:** 11-09-2024  
**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.508	20	20.19	314	320	164.00	209.50	522	513	667	655	32.5	200	16.3	
2	2.493	20	20.11	314	318	163.70	209.00	521	516	665	658	30.0	200	15.0	
3	1.531	16	15.76	201	195	98.00	129.70	487	503	645	666	35.0	200	17.5	
4	1.524	16	15.72	201	194	96.70	128.70	481	499	640	663	37.5	200	18.8	
5	0.877	12	11.93	113	112	54.20	74.70	479	486	660	669	30.0	200	15.0	
6	0.873	12	11.90	113	111	54.50	74.70	482	490	660	672	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
16mm	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](http://www.uet-civil.edu.pk)



Engr.Ejaz Ali Bukhari,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

ACC Site Office KPDI.(Const Of Kot Pindi Das Interchange On Lahore-Islamabad Motorway M-2)

Client Reference: KPD/QAI/RE/23/148

Dated: 10-09-2024

SOM Lab Ref: CED/SOM/4777(Page-1/1)

Dated: 11-09-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Al Fatah Supreme)

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	1.478	16	15.47	201	188	72.70	110.70	362	387	551	589	27.5	200	13.8	
2	1.491	16	15.55	201	190	70.70	110.50	352	373	550	582	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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)

Sub Divisional officer,  
HSD D.G Khan.(Estb Of Highway Complex DG Khan)

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

**Client Reference:** RD-4/1400

**SOM Lab**

**Ref:** 4773 (Page-1/1)

**Dated:** 09-09-2024

**Dated:** 11-09-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

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	2.667	8	0.999	0.79	0.784	26.91	34.73	75130	75710	96960	97700	1.40	8.0	17.5	
2	2.669	8	0.999	0.79	0.784	26.66	34.42	74420	74990	96100	96840	1.50	8.0	18.8	
3	1.490	6	0.747	0.44	0.438	14.29	18.35	71640	71960	91970	92390	1.40	8.0	17.5	
4	1.490	6	0.747	0.44	0.438	14.39	18.35	72150	72480	91970	92390	1.40	8.0	17.5	
5	0.672	4	0.501	0.20	0.197	6.44	8.18	71040	72130	90150	91530	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	6.54	8.26	72170	73640	91050	92910	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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)

Mirza Muhammad Abdullah

Test Performed By:

Dr. /Engr.

Wasim Abbas

Snr RE HA Consulting Lahore.(Const Of NASTP Phase-03 at HQ CAC PAF Base Lahore)

Client Reference: 24/HAC/NASTO/1283

SOM Lab

Ref:

4774 (Page-1/1)

Dated: 10-09-2024

Dated:

11-09-2024

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	2.674	8	1.000	0.79	0.786	30.04	37.21	83870	84290	103870	104400	1.30	8.0	16.3	
2	2.707	8	1.007	0.79	0.796	30.09	37.16	84010	83380	103730	102950	1.30	8.0	16.3	
3	1.484	6	0.745	0.44	0.436	16.36	20.44	82010	82760	102450	103390	1.00	8.0	12.5	
4	1.489	6	0.747	0.44	0.438	15.06	19.54	75470	75810	97950	98400	1.10	8.0	13.8	
5	0.667	4	0.500	0.20	0.196	7.31	9.55	80600	82240	105330	107480	1.00	8.0	12.5	
6	0.667	4	0.500	0.20	0.196	7.46	9.96	82290	83960	109820	112070	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: Hafiz Arslan Ali (Assistant Resident Engineer)

**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)

Haseeb Afzal  
Project Manager Residential House in Lahore.

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

Client Reference: Nil  
Dated: 11-09-2024

SOM Lab  
Ref: 4776 (Page-1/1)  
Dated: 11-09-2024

Test: Tension Test & Bend Test  
Gauge Length: 8 inch

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.494	6	0.748	0.44	0.439	16.16	21.76	80990	81170	109090	109340	1.20	8.0	15.0	
2	1.499	6	0.749	0.44	0.441	16.06	21.05	80480	80290	105510	105270	1.10	8.0	13.8	
3	0.659	4	0.497	0.20	0.194	6.63	8.56	73070	75330	94420	97340	1.10	8.0	13.8	
4	0.667	4	0.500	0.20	0.196	6.68	8.58	73630	75130	94650	96580	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

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

Zaheer Ahmad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CEO SAMCON Associates.(NESTLE LTD PAKISTAN FARM SHUKHEKEE)

Client Reference: SAM/NESTLE/SKF/24/13

SOM Lab

Ref:

4778 (Page-1/1)

Dated: 11-09-2024

Dated:

11-09-2024

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	0.659	4	0.497	0.20	0.194	5.96	7.59	65760	67800	83750	86340	1.00	8.0	12.5	
2	0.666	4	0.500	0.20	0.196	6.14	7.80	67670	69050	85990	87750	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 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)

Izhar Steel (Pvt) Ltd  
LPG Storage & Bottling Facility PARCO PEARL GAS

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

Client Reference: ISPL-112-LET-00040

SOM Lab

Ref: 4779 (Page-1/1)

Dated: 11-09-2024

Dated: 11-09-2024

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	1.471	6	0.742	0.44	0.432	14.19	18.22	71130	72440	91310	93000	1.30	8.0	16.3	
2	1.516	6	0.754	0.44	0.446	14.55	19.16	72910	71930	96060	94770	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	6.90	8.82	76100	78050	97230	99730	1.10	8.0	13.8	
4	0.662	4	0.498	0.20	0.195	6.47	8.48	71380	73210	93530	95920	1.00	8.0	12.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

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

Amir Rafique  
Lahore

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

Client Reference: Nil

SOM Lab

Ref: 4780 (Page-1/1)

Dated: 11-09-2024

Dated: 11-09-2024

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	0.466	3	0.418	0.11	0.137	3.74	5.22	75010	60230	104640	84020	1.50	8.0	18.8	
2	0.472	3	0.421	0.11	0.139	3.52	5.20	70510	55800	104230	82490	1.50	8.0	18.8	
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**BEND TEST:**

--	No Bend test performed	<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)

Sheikh Maqbool, RE  
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

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

**Client Reference:** RE/GSRP/4521/04/MH/8

**SOM Lab**

**Ref:** 4781(Page-1/2)

**Dated:** 10-09-2024

**Dated:** 11-09-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.645	8	0.995	0.79	0.777	24.46	32.54	68300	69440	90840	92360	1.20	8.0	15.0	
2	2.623	8	0.991	0.79	0.771	25.18	32.98	70290	72030	92060	94330	1.50	8.0	18.8	
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**BEND TEST:**

# 8	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)



Sheikh Maqbool, RE  
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

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

**Client Reference:** RE/GSRP/4521/04/MH/7

**SOM Lab**

**Ref:** 4781(Page-2/2)

**Dated:** 09-09-2024

**Dated:** 11-09-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.629	8	0.992	0.79	0.773	24.99	32.57	69780	71320	90920	92920	1.50	8.0	18.8	
2	2.641	8	0.994	0.79	0.776	24.97	33.59	69720	70980	93770	95460	1.30	8.0	16.3	
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**BEND TEST:**

# 8	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)

Assistant Engineer Civil

Test Performed By:

Dr. /Engr. Asad Ali Gillani

University of Home Economics Lahore.(Const Of Acadmic Block at Uni of Home Economics)

Client Reference: UHE/EC/2123-B

SOM Lab

Ref: 4783 (Page-1/2)

Dated: 11-09-2024

Dated: 11-09-2024

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	0.582	4	0.467	0.20	0.171	5.78	7.36	63740	74550	81160	94920	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 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)

Assistant Engineer Civil

Test Performed By:

Dr. /Engr. Asad Ali Gillani

University of Home Economics Lahore.(Const Of Acadmic Block at Uni of Home Economics)

Client Reference: UHE/EC/2123-A

SOM Lab

Ref: 4783 (Page-2/2)

Dated: 11-09-2024

Dated: 11-09-2024

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	1.496	6	0.748	0.44	0.440	14.53	19.24	72810	72810	96420	96420	1.70	8.0	21.3	
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**BEND TEST:**

# 6	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)

Sub Divisional officer,

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

HSD Khushab.(Special Repair of Bridge 6 Span 81.75 FT Each on Fateh Pur Sakessar Rd)

**Client Reference:** 107/Q

**SOM Lab**

**Ref:** 4784 (Page-1/1)

**Dated:** 01-08-2024

**Dated:** 11-09-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.750	6	0.809	0.44	0.514	18.60	23.47	93250	79830	117620	100690	1.30	8.0	16.3	
2	1.665	6	0.789	0.44	0.489	14.48	20.34	72560	65290	101940	91720	1.30	8.0	16.3	
3	0.669	4	0.501	0.20	0.197	6.37	7.87	70260	71330	86780	88100	1.00	8.0	12.5	
4	0.672	4	0.501	0.20	0.197	6.17	7.67	68010	69050	84530	85820	1.00	8.0	12.5	
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**BEND TEST:**

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

