

Abdullah Hussain

**Test Performed By:**

Dr. /Engr.

S. Asad Ali Gillani

RE Nespak Rawailpura.(PICIIP)(Watsan Sialkot (NCB-Works/PICIIP-02) Lot-01,02 &04

**Client Reference:** Nespak/SAH/UET/L1,2&4/029

**Dated:** 25-11-2021

**SOM Lab Ref:** CED/SOM/5380(Page-1/1)

**Dated:** 29-11-2021

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** M S Deformed Bar (Mehboob 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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.974	25	25.38	491	506	245.00	334.00	499	485	680	661	37.5	200	18.8	
2	3.975	25	25.39	491	506	244.00	333.70	497	482	680	659	32.5	200	16.3	
3	2.251	19	19.11	284	287	140.20	195.20	494	489	688	681	27.5	200	13.8	
4	2.244	19	19.08	284	286	140.10	193.70	494	491	683	678	30.0	200	15.0	
5	1.543	16	15.82	201	197	114.50	145.00	569	583	721	738	30.0	200	15.0	
6	1.515	16	15.68	201	193	105.50	137.00	525	547	681	710	27.5	200	13.8	
7	0.963	13	12.50	133	123	62.00	82.20	467	506	619	671	30.0	200	15.0	
8	0.971	13	12.55	133	124	66.50	86.50	501	538	652	700	25.0	200	12.5	
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**Witnessed By:** Hafiz Muhammad Ahmad (Assistant Director PMU PICIIP LGRCD Deptt.)

**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
19mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
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](http://www.uet-civil.edu.pk)

Mudessar Iqbal

Test Performed By:

Dr. /Engr.

Asad Gillani

Manager QC Country Developers (Pvt)Ltd. Lahore (Project:46-G Model Town Lahore)

Client Reference: CD-21-Testing/St/46G-005

SOM Lab

Ref:

5374(Page-1/1)

Dated: 26-11-2021

Dated:

29-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal Supreme)

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	1.483	6	0.745	0.44	0.436	15.36	19.01	77000	77710	95290	96170	1.20	8.0	15.0	
2	0.659	4	0.497	0.20	0.194	7.26	8.99	80040	82510	99150	102210	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 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](http://www.uet-civil.edu.pk)

Sajjad Ali Memon  
 RE Pillar & Sons.(Rumanza Golf & Country Club,DHA Multan)

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

**Client Reference:** P7S/OTH/GEN/00052

**SOM Lab**

**Ref:** 5375(Page-1/1)

**Dated:** 20-11-2021

**Dated:** 29-11-2021

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (SJ 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	2.639	8	0.994	0.79	0.776	25.50	32.64	71200	72490	91120	92770	1.70	8.0	21.3	
2	2.707	8	1.007	0.79	0.796	24.54	32.39	68500	67980	90410	89730	1.40	8.0	17.5	
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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)

Muhammad Faizan

Test Performed By: Dr. /Engr. Asad Gillani

PM Netracon Tech.LHR(Commissioning Of Plant For 500/220/132KV Faisalabad West Substation)

Client Reference: NTT-HO/FSDW-GS/062

SOM Lab

Ref: 5376-77(Page-1/1)

Dated: 26-11-2021

Dated: 29-11-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.668	4	0.500	0.20	0.196	6.32	9.09	69700	71120	100270	102320	1.10	8.0	13.8	
2	0.667	4	0.500	0.20	0.196	5.78	8.28	63740	65040	91280	93140	1.20	8.0	15.0	
3	0.662	4	0.498	0.20	0.195	5.93	8.41	65420	67100	92740	95120	1.30	8.0	16.3	
4	0.667	4	0.500	0.20	0.196	6.27	9.02	69130	70540	99480	101510	1.10	8.0	13.8	
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Witnessed By: Sohaib Ali (NesPak Sub Engineer)

**BEND TEST:**

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

Irfan Siddique

Test Performed By:

Dr. /Engr.

Asad Gillani

Building Standards,Lahore.(Construction Of Residential Building In Gulberg,Lahore)

Client Reference: GT/LTR/211129-131

SOM Lab

Ref:

5378(Page-1/1)

Dated: 10-11-2021

Dated:

29-11-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.493	6	0.748	0.44	0.439	17.53	22.24	87880	88090	111490	111740	1.10	8.0	13.8	
2	1.493	6	0.748	0.44	0.439	17.43	22.17	87370	87570	111130	111390	1.10	8.0	13.8	
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**BEND TEST:**

# 6	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)

Tahir Mehmood

Test Performed By:

Dr. /Engr.

Asad Gillani

CE New Lahore city,(Construction Of Terrace Homes Ph.-II,New lahore City)

Client Reference: NLC/CE/Const/012

SOM Lab

Ref:

5379(Page-1/1)

Dated: 27-11-2021

Dated:

29-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar ( Amreli 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	1.470	6	0.742	0.44	0.432	15.46	20.15	77510	78950	101020	102890	1.30	8.0	16.3	
2	1.472	6	0.743	0.44	0.433	15.46	20.10	77510	78770	100760	102390	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 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)

Muhammad Shahbaz  
Imperium Hospitality (Pvt.)Ltd. Lahore

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: IHPL/Steel/0156  
Dated: 26-11-2021  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 5381(Page-1/1)  
Dated: 29-11-2021  
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	1.474	6	0.743	0.44	0.433	15.36	20.23	77000	78250	101420	103060	1.30	8.0	16.3	
2	1.475	6	0.743	0.44	0.433	15.19	18.57	76130	77360	93100	94600	1.50	8.0	18.8	
3	1.476	6	0.743	0.44	0.434	15.19	18.52	76130	77190	92840	94120	1.40	8.0	17.5	
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Witnessed By: Engr. Rafi Ullah(IHPL),Engr.Ali Hasnain Khan (KingCrete)

**BEND TEST:**

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

Maj Dy Dir MTL(Adnan Khalid R)

Test Performed By:

Dr. /Engr.

Asad Gillani

DHA Lahore,(18 Green Apartment Complex DRGCC DHA Ph-VI)( M/s Construct)

Client Reference: 408/241/Estb/Lab/171/25

SOM Lab

Ref:

5382(Page-1/1)

Dated: 26-11-2021

Dated:

29-11-2021

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 <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	6.49	8.39	71610	72700	92510	93920	1.20	8.0	15.0	
2	0.661	4	0.497	0.20	0.194	6.27	8.23	69130	71270	90720	93520	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)



Maj(Adnan Khalid R) Dy Dir MTL

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

DHA Lahore,(Construction Of 1 Kanal houses NGV DRGCC DHA Ph-VI)( M/s Linker Developers)

**Client Reference:** 408/241/E/Lab/173/311

**SOM Lab**

**Ref:** 5383(Page-1/1)

**Dated:** 29-11-2021

**Dated:** 29-11-2021

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (AFCO 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	2.649	8	0.995	0.79	0.778	28.05	35.95	78320	79530	100370	101920	1.30	8.0	16.3	
2	2.626	8	0.991	0.79	0.772	27.29	35.47	76180	77960	99030	101340	1.50	8.0	18.8	
3	1.538	6	0.759	0.44	0.452	16.36	21.46	82010	79830	107560	104700	1.10	8.0	13.8	
4	1.525	6	0.755	0.44	0.448	16.43	21.51	82370	80900	107810	105890	1.00	8.0	12.5	
5	0.656	4	0.496	0.20	0.193	6.65	8.63	73290	75950	95210	98660	1.20	8.0	15.0	
6	0.661	4	0.497	0.20	0.194	6.80	8.72	74980	77300	96110	99080	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)