

Waqar Hasnain CRE

**Test Performed By:**

Dr. /Engr.

Nauman Khurram

TPBC Panjnad (Foundation Of 5-M High Electric Street Lighting Ploes For PIPB Colony)

**Client Reference:** TPBC/CRE/2021/TECH/2115

**Dated:** 04-11-2022

**SOM Lab Ref:** CED/SOM/1256(Page-1/1)

**Dated:** 16-11-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar (J-Bolt)

**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	2.187	19	18.85	284	279	148.20	193.50	523	532	682	694	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**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)

Asim Latif, Manager Civil

Test Performed By:

Dr. /Engr.

Nauman Khurram

CFPP & Soap Noodle Plant For Sitara Chemical Faisalabad.(Const Of Warehouse)

Client Reference: Nil

Dated: 15-11-2022

SOM Lab Ref: CED/SOM/1258(Page-1/1)

Dated: 16-11-2022

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.854	25	25.00	491	491	236.70	330.70	482	483	674	674	35.0	200	17.5	
2	3.876	25	25.08	491	494	240.20	333.50	489	487	679	676	37.5	200	18.8	
3	2.456	20	19.96	314	313	157.00	212.20	500	502	675	679	37.5	200	18.8	
4	2.451	20	19.94	314	312	157.20	210.20	500	504	669	674	35.0	200	17.5	
5	0.909	12	12.14	113	116	57.70	82.70	510	499	731	715	30.0	200	15.0	
6	0.893	12	12.03	113	114	57.00	83.20	504	502	736	732	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
20mm	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)

Muhammad Akhtar Brigadier ®  
 PD New Metro City Housing Scheme, Sara-I-Alamgir

**Test Performed By:** Dr. /Engr. Nauman Khurram

**Client Reference:** BSM/NMC/QA/106

**SOM Lab**

**Ref:** 1259 (Page-1/1)

**Dated:** 15-11-2022

**Dated:** 16-11-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.507	6	0.751	0.44	0.443	13.93	20.95	69850	69380	105000	104290	1.10	8.0	13.8	
2	0.672	4	0.501	0.20	0.197	5.83	8.23	64300	65280	90720	92100	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**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)

Engr. Muhammad Younas

**Test Performed By:**

Dr. /Engr. Nauman Khurram

RE Nespak QABP,SKP.(Infrastructure Devl.Of Quaid-E-Azam Business Park On Motorway M-2)

**Client Reference:** 4163/11/MY/03/384

**SOM Lab**

**Ref:** 1260 (Page-1/2)

**Dated:** 02-11-2022

**Dated:** 16-11-2022

**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	1.514	6	0.753	0.44	0.445	12.33	18.71	61830	61130	93760	92710	1.30	8.0	16.3	
2	1.509	6	0.751	0.44	0.443	12.30	18.55	61670	61260	92990	92360	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	5.52	8.69	60930	61860	95770	97230	1.10	8.0	13.8	
4	0.669	4	0.501	0.20	0.197	5.66	8.56	62390	63340	94420	95860	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**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)

Engr. Muhammad Younas

**Test Performed By:**

Dr. /Engr. Nauman Khurram

RE Nespak QABP,SKP.(Const & Maintenance Works In Quaid-E-Azam Business Park Sheikhpura)

**Client Reference:** 4163/11/MY/01/08

**SOM Lab**

**Ref:** 1260 (Page-2/2)

**Dated:** 02-11-2022

**Dated:** 16-11-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (FSM 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	0.668	4	0.500	0.20	0.196	5.63	8.21	62050	63320	90490	92340	1.20	8.0	15.0	
2	0.669	4	0.501	0.20	0.197	5.56	8.23	61270	62200	90720	92100	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**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)