



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Resident Engineer
 ACES (Pvt) Ltd
 Package 3, DHA Multan
 Reference # CED/TFL **37430 (Dr. Ali Ahmed)**
 Reference of the request letter # RE/Pkg - 3/Test/02

Dated: 26-11-2021

Dated: 24-11-2021

Tension Test Report (Page -1/1)

Date of Test 01-12-2021

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.381	10	9.59	0.12	0.112	4400	5400	80835	86630	99207	106400	1.00	12.5	Mughal Steel
2	0.382	10	9.61	0.12	0.112	4300	5400	78998	84350	99207	106000	1.00	12.5	
3	0.380	10	9.58	0.12	0.112	3900	5100	71650	76920	93696	100600	1.20	15.0	FF Steel
4	0.381	10	9.59	0.12	0.112	3900	5100	71650	76800	93696	100500	1.20	15.0	
5	0.102	5	4.95	-----	0.030	960	1120	-----	70870	-----	82700	1.00	12.5	MS Steel
6	0.097	5	4.84	-----	0.028	960	1120	-----	74290	-----	86700	1.10	13.8	
7	0.145	6	5.91	-----	0.042	1040	1440	-----	53950	-----	74700	1.40	17.5	
8	0.146	6	5.94	-----	0.043	1040	1440	-----	53460	-----	74100	1.40	17.5	

Note: only eight samples for tensile and four samples for bend test

Bend Test

10mm Dia Bar Bend Test Through 180° is Satisfactory

10mm Dia Bar Bend Test Through 180° is Satisfactory

5mm Dia Bar Bend Test Through 180° is Satisfactory

6mm Dia Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
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2. The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,
M/S MDS Engineering Co.
Lahore
(CC: Power China Hebei Engineering Corporation Limited.)
Reference # CED/TFL 37440 (Dr. Ali Ahmed)
Reference of the request letter # 11217

Dated: 30-11-2021

Dated: 30-11-2021

Tension Test Report (Page – 1/1)

Date of Test 01-12-2021

Gauge length 2 inches

Description Welded Metal Steel Strip Tensile and Bend Test
ASME Sec IX

Sr. No.	Designation	Size of Strip	X Section Area	Breaking Load	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(MPa)	(inch)		
1	Welded Metal	21.70x14.00	303.80	15300	494.05	0.60	30.00	Failure at the location other than weld
2		21.70x13.70	297.29	15100	498.27	0.50	25.00	Failure at the location other than weld
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

Only two samples for tensile and Four samples for bend test

Bend Test

Strip taken from Welded Metal Root Bend Test Through 180° is Satisfactory

Strip taken from Welded Metal Root Bend Test Through 180° is Satisfactory

Strip taken from Welded Metal Face Bend Test Through 180° is Satisfactory

Strip taken from Welded Metal Face Bend Test Through 180° is Satisfactory

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UET Lahore, Pakistan.

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To,
M/S Husnain Kareemain
Lahore
(Beacon House School, Rahim Yar Khan)

Reference # CED/TFL 37442 (Dr. Ali Ahmed)
Reference of the request letter # Nil

Dated: 30-11-2021
Dated: 30-11-2021

Tension Test Report (Page -1/1)

Date of Test 01-12-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.370	3	0.372	0.11	0.109	3520	5360	70600	71300	107400	108600	1.00	12.5	
2	0.370	3	0.372	0.11	0.109	3500	5300	70200	70990	106200	107500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Raza Hashmi
 Gulberg, Lahore

Reference # CED/TFL **37443 (Dr. Ali Ahmed)**
 Reference of the request letter # Nil

Dated: 30-11-2021
 Dated: 30-11-2021

Tension Test Report (Page -1/1)

Date of Test 01-12-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.380	3	0.377	0.11	0.112	4100	5200	82200	80890	104200	102600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,
M/S Naseem Exports (Private) Limited
Lahore

Reference # CED/TFL **37446 (Dr. Ali Ahmed)**
Reference of the request letter # NEL/UET/056/21

Dated: 01-12-2021

Dated: 01-12-2021

Tension Test Report (Page -1/1)

Date of Test 01-12-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	10	9.51	0.12	0.110	4400	5100	80835	88090	93696	102100	0.75	9.4	Afco Steel
2	0.375	10	9.51	0.12	0.110	4300	5200	78998	86000	95533	104000	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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