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

To,

XEN
Garrison Engineer (Army)-II
Lahore Cantt
(Const of 2 x Block of 8 x E type Flats (G+3), at Tariq Rd Lhr Cantt.)

Reference # CED/TFL **5275** (Dr. Rizwan Azam) Dated: 26-06-2024
Reference of the request letter # 6003/95/E6 Dated: 24-06-2024

Tension Test Report (Page -1/1)

Date of Test 27-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Grade
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3/8	0.373	0.11	0.109	3700	5600	74200	74820	112300	113300	0.90	11.3	40
2	0.373	3/8	0.373	0.11	0.110	3700	5600	74200	74450	112300	112700	1.00	12.5	
3	0.374	3/8	0.374	0.11	0.110	3600	5600	72200	72260	112300	112400	0.80	10.0	60
4	0.373	3/8	0.373	0.11	0.110	3600	5700	72200	72460	114300	114800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

3/8" Dia Bar Bend Test Through 180º is Satisfactory

3/8" Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

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

To,

Construction Manager
Barqaab Consulting Services (Private) Limited.
Procurement of Plant, Design, Supply, Installation, Testing and Commissioning of 500/220/132kV Lahore North Substation & Extension Works at 500/220/132kV Nokhar Substation Under ADB Laon-3677-Pak Second Power Transmission Enhancement Investment Program Trench-III.

Reference # CED/TFL **5276** (Dr. Safeer Abbass) Dated: 26-06-2024
Reference of the request letter # 500kV/SS/N-LHR/BQB/264 Dated: 14-06-2024

Tension Test Report (Page -1/1)

Date of Test 27-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	3	0.374	0.11	0.110	3500	5200	70200	70070	104200	104200	0.90	11.3	Kamran Steel
2	0.376	3	0.375	0.11	0.111	3400	5100	68200	67800	102200	101700	1.00	12.5	
3	0.377	3	0.376	0.11	0.111	3700	5200	74200	73540	104200	103400	1.00	12.5	
4	0.377	3	0.376	0.11	0.111	3700	5200	74200	73540	104200	103400	1.10	13.8	
5	0.375	3	0.375	0.11	0.110	3800	5300	76200	76000	106200	106000	1.10	13.8	
6	0.377	3	0.376	0.11	0.111	3700	5200	74200	73520	104200	103400	0.90	11.3	
Note: only six samples for tensile and three samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														
#3 Bar Bend Test Through 180º is Satisfactory														
#3 Bar Bend Test Through 180º is Satisfactory														

Witness by Furqan Shabir (Tech. NTDC) & M Farhan (Sr. Engr. (Civil), Barqaab)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

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

To,

Project Manager
DSG Energy
Construction of Office Building at 29-M QIE, Lahore.

Reference # CED/TFL **5277** (Dr. Nauman Khurram) Dated: 27-06-2024
Reference of the request letter # Nil Dated: 27-06-2024

Tension Test Report (Page -1/1)

Date of Test 27-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 (Hunza Steel Mill (Pvt.) Ltd.)

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3	0.370	0.11	0.107	3310	4740	66400	67920	95000	97300	1.20	15.0	
2	0.364	3	0.369	0.11	0.107	3360	4760	67400	69220	95400	98100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples