



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

To,

Mr. Farhad Ali Khan
 Sr. Engineer (C), WASO, Chashma
 Pakistan Atomic Energy Commission
 Construction of Mock-up Hall Near Chashma.
 Witness by: Mr. Waseem Badar (Sr. Tech-DTS)

Reference # CED/TFL **6784** (Dr. Usman Akmal)

Dated: 07-04-2025

Reference of the request letter # WASO-CMD-LOI-029/2024/2077

Dated: 17-03-2025

Tension Test Report (Page -1/1)

Date of Test 09-04-2025

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	0.382	3	0.378	0.11	0.112	3400	4700	68200	66690	94200	92200	1.40	17.5	F.F Steel
2	0.368	3	0.371	0.11	0.108	3400	4600	68200	69240	92200	93700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Samples for Tensile and One Sample for Bend Test														
Bend Test														
# 3 Bar Bend Test Through 180° is Satisfactory. (F.F Steel, Heat # 148)														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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To,

Maqsood Ali
Raja Steel Wire Rope

Reference # CED/TFL **6791** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 08-04-2025

Dated: 08-04-2025

Tension Test Report (Page – 1/1)

Date of Test 09-04-2025
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	25	2.60	36600	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Sajjad Ali
Atlas Honda
Construction of CKD Shed at Atlas Honda Limited, Sheikhpura.

Reference # CED/TFL **6792** (Dr. Usman Akmal)

Dated: 08-04-2025

Reference of the request letter # AHL/ADMIN&IR/8037/2025

Dated: 07-04-2025

Tension Test Report (Page -1/1)

Date of Test 09-04-2025

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 (mm)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.367	10	0.370	0.11	0.108	3500	4600	70200	71590	92200	94100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only One Sample for Tensile and One Sample for Bend Test														
Bend Test														
10mm Bar Bend Test Through 180° is Satisfactory.														

Test Performed and Verified by:

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,

Tahwar Owais
DSG Energy
Construction of Office Building at 29-M QIE, Lahore

Reference # CED/TFL **6794** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 09-04-2025
Dated: 09-04-2025

Tension Test Report (Page -1/1)

Date of Test 09-04-2025
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	0.366	3	0.370	0.11	0.108	3200	4500	64200	65490	90200	92100	1.30	16.3	Hunza Steel
2	0.369	3	0.372	0.11	0.108	3200	4400	64200	65030	88200	89500	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Samples for Tensile and One Sample for Bend Test														
Bend Test														
# 3 Bar Bend Test Through 180° is Satisfactory. (Hunza Steel)														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M. Arslan Khaleel
Assistant Store Keeper
M/S Amanah Noor Residence, Lahore

Reference # CED/TFL **6788** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 08-04-2025
Dated: 08-04-2025

Tension Test Report (Page -1/1)

Date of Test 09-04-2025
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	0.379	3	0.377	0.11	0.111	3500	5300	70200	69190	106200	104800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only One Sample for Tensile Test.														
Bend Test														

Test Performed and Verified by:

I/C Testing Laboratories
UET Lahore, Pakistan.

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