

To,

Mr. Anwar ul Haq (Project Manager)
IKAN Engineering Services (Pvt.) Ltd.
Construction of Zong MSC Faisalabad (Ittehad Steel)
Witness by: Mr. Naem Yaseen

Reference # CED/TFL 7447 (Dr. Safer Abbass)
Reference of the request letter # IKAN-FSD-SITE-UET/029

Dated: 01-09-2025
Dated: 01-09-2025

Tension Test Report (Page-1/1)

Date of Test 02-09-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.362	3	0.368	0.110	0.106	37.70	47.50	77017	79559	97038	100241	1.0	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 Samples for Tensile and 1 Samples for Bend test

Bend Test	
# 3 Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,

Mr. Kashif Shahzad (Manager-Technical)
Gharibwal Cement Ltd.

Reference # CED/TFL 7448 (Dr. Rizwan Riaz)
Reference of the request letter # GCL/Purchase/UET/015

Dated: 02-09-2025
Dated: 01-09-2025

Tension Test Report (Page-1/1)

Date of Test 02-09-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	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			
1	4.177	32	1.250	1.250	1.227	38000	52200	67002	68241	92039	93741	1.7	21.3	Heat # 597
2	4.132	32	1.243	1.250	1.214	37000	51400	65238	67169	90628	93310	1.5	18.8	Heat # 597
3	4.201	32	1.254	1.250	1.234	37800	52400	66649	67492	92392	93560	1.6	20.0	Heat # 598
4	4.198	32	1.253	1.250	1.234	37800	54200	66649	67531	95565	96830	1.5	18.8	Heat # 598
5	4.163	32	1.248	1.250	1.223	37200	51800	65591	67023	91334	93328	1.5	18.75	Heat # 599
6	4.188	32	1.252	1.250	1.23	37800	52200	66649	67707	92039	93500	1.5	18.75	Heat # 599

Note: Only 6 Samples for Tensile and 3 Samples for Bend test

Bend Test	
32mm Bar Bend Test Through 180 Degree is Satisfactory	
32mm Bar Bend Test Through 180 Degree is Satisfactory	
32mm Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by: