

To,
 Mr. Sadaqat Ahmad (Resident Engineer)
 Nespak (Pvt.) Ltd.
 Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL 7424 (Dr. Rizwan Riaz)
 Reference of the request letter # 4460/13/SA/04/540

Dated: 27-08-2025
 Dated: 22-08-2025

Tension Test Report (Page-1/2)

Date of Test 04-09-2025
 Gauge Length 2 inches
 Description MS Seamless Pipes Strips Tensile Test Report

Sr. No.	Designation	Size of Strip	X Section Area	Yield Load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(Inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(inch)		
1	MS Seamless Pipe	27.60 x 3.80	104.88	4000	5200	374.1	486.4	0.6	30.0	2"
2	MS Seamless Pipe	27.70 x 8.00	221.60	7700	11300	340.9	500.2	0.6	30.0	8"
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 0 Samples for Bend test

Bend Test

Test Performed and Verified by:

To,
 Mr. Sadaqat Ahmad (Resident Engineer)
 Nespak (Pvt.) Ltd.
 Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7424** (Dr. Rizwan Riaz)
 Reference of the request letter # 4460/13/SA/04/540

Dated: 27-08-2025
 Dated: 22-08-2025

Weight & Size Test Report (Page – 2/2)

Date of Test 04-09-2025
 Description Unit Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Dia	Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	
1	Seamless Pipe 2"	518	102.2	5.07	60.1	3.8	-
2	Seamless Pipe 8"	4225	101.8	41.50	217.5	8.0	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Only two samples for test							
-	-	-	-	-	-	-	-

Test Performed and Verified by:

To,

Mr. Ghulam Abbas (XEN)

GE (Army)-II Lahore

Construction of 8 x E Type Flats (G+3), Block No.2 at PMAD Colony Lahore

Reference # CED/TFL 7435 (Dr. Rizwan Riaz)

Dated: 28-08-2025

Reference of the request letter # 6003/36/E6

Dated: 18-08-2025

Tension Test Report (Page-1/1)

Date of Test 04-09-2025

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 (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.372	3	0.373	0.110	0.109	3300	5200	66120	66502	104189	104791	1.2	15.0	-
2	0.369	3	0.372	0.110	0.108	3300	5100	66120	67075	102185	103661	1.5	18.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 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. Shahzad Masih (Chief Finance Officer)
Convent of Jesus & Marry, 4 Durand Road, Lahore
(Used Samples)

Reference # CED/TFL 7455 (Dr. Asif Hameed)
Reference of the request letter # 08/25/10

Dated: 03-09-2025
Dated: 29-08-2025

Tension Test Report (Page-1/1)

Date of Test 04-09-2025
Gauge Length 8 inches
Description 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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.373	3	0.374	0.110	0.1096	25.20	33.50	51481	51674	68437	68694	1.5	18.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Director
Punjab Public Health Engineering Department, Lahore
Mega Sewerage Scheme City Liaquatpur (Zone A & B), District R.Y. Khan

Reference # CED/TFL **7457** (Dr. Rizwan Riaz)
Reference of the request letter # CEC

Dated: 03-09-2025
Dated: 02-09-2025

Tension Test Report (Page -1/1)

Date of Test 04-09-2025
Gauge length 8 inches
Description Plain Steel Bar Tensile and Bend Test

Sr. No.	Weight	Diameter/ Size (#)		Area	Yield load	Breaking Load	Yield Stress (psi)	Ultimate Stress	Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual	(in ²)	(kg)	(kg)	(psi)	(psi)	(inch)		
1	0.078	2	0.023	0.024	960	1240	92038	118882	0.60	7.5	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
Note: only one sample for tensile test											
Bend Test											

Test Performed and Verified by:

To,

Mr. Muhamma Khalid Bashir (CEO)
Ittefaq Building Solutions (Pvt.) Ltd.
UBL DHA 105 A/CC Ph-6 Lahore

Reference # CED/TFL 7458 (Dr. Rizwan Riaz)
Reference of the request letter # IBS/UBL/Steel/Ph-6

Dated: 03-09-2025
Dated: 03-09-2025

Tension Test Report (Page-1/1)

Date of Test 04-09-2025
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 (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.368	3	0.371	0.110	0.108	3500	4500	70127	71354	90164	91741	1.5	18.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,
 Engr. Muhammad Javaid Butt
 Modern Engineers & Contractors

Reference # CED/TFL 7459 (Dr. Rizwan Riaz)
 Reference of the request letter # Nil

Dated: 03-09-2025
 Dated: 03-09-2025

Tension Test Report (Page-1/1)

Date of Test 04-09-2025
 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 (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.372	3	0.373	0.110	0.1092	3800	5000	76138	76678	100182	100892	1	12.5	3/8"
2	0.376	3	0.375	0.110	0.1104	3800	5000	76138	75856	100182	99810	0.9	11.3	3/8"
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 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. Liu Zhe (Sr. Commercial Manager)
China Machinery Engineering Corporation
Extension of Water Resources Project for Faisalabad City, Phase-II
(Kamran Steel)

Reference # CED/TFL 7460 (Dr. Rizwan Riaz)
Reference of the request letter # CMEC/LAB/25/0039

Dated: 03-09-2025
Dated: 02-09-2025

Tension Test Report (Page-1/1)

Date of Test 04-09-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.407	10	0.390	0.120	0.1195	3700	5300	67957	68213	97343	97711	1.3	16.3	-
2	0.408	10	0.391	0.120	0.12	4000	5400	73467	73463	99180	99175	1	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 1 Samples for Bend test

Bend Test	
10mm Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by: