



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

To,
M/S Everfresh Farms (Pvt) Limited
Lahore

Reference # CED/TFL **1457** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 30-05-2022

Dated: 30-05-2022

Tension Test Report (Page – 1/2)

Date of Test 09-07-2022
Gauge length 2 inches
Description Sheet Strip Tensile and Bend Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	PPGI Sheet	27.30x1.50	40.95	-----	1880	-----	450	0.60	30.00	
2	PPGI Sheet	27.30x2.00	54.60	-----	1960	-----	352	0.80	40.00	
3	Bare Sheet	27.30x0.50	13.65	-----	320	-----	230	0.30	15.00	
4	G.I Sheet	27.30x0.50	13.65	-----	380	-----	273	0.40	20.00	
5	G.I Sheet	27.40x0.50	13.70	-----	400	-----	286	0.60	30.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Five Samples for Tensile and Five Samples for Bend Test										
Bend Test										
Strip Taken from PPGI Sheet Bend Test Through 180° is Satisfactory										
Strip Taken from PPGI Sheet Bend Test Through 180° is Satisfactory										
Strip Taken from Bare Sheet Bend Test Through 180° is Satisfactory										
Strip Taken from G.I Sheet Bend Test Through 180° is Satisfactory										
Strip Taken from G.I Sheet Bend Test Through 180° is Satisfactory										

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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Lahore

Reference # CED/TFL **1457** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 30-05-2022

Dated: 30-05-2022

Size Test Report (Page – 2/2)

Date of Test 09-06-2022

Description Sheet Thickness Test

Sr. No.	Designation	Thickness	Remark
		(mm)	
1	PPGI Sheet	1.50	
2	PPGI Sheet	2.00	
3	Bare Sheet	0.50	
4	G.I Sheet	0.50	
5	G.I Sheet	0.50	
-	-	-	
-	-	-	
Only Five Samples for Test			

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STRUCTURAL ENGINEERING DIVISION
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Department of Civil Engineering
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To,
 Sub Divisional Officer
 Building Sub Division
 Pattoki
 (Construction of 3-Nos Addoitional Class Rooms in Govt. Boys High School Balloki Tehsil
 Pattoki District Kasur)
 Reference # CED/TFL **1521** (Dr. Usman Akmal)
 Reference of the request letter # 876/P

Dated: 08-06-2022
 Dated: 25-05-2022

Tension Test Report (Page -1/1)

Date of Test 09-06-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	Nominal	Actual			
1	0.372	3/8	0.373	0.11	0.109	2900	4400	58200	58420	88200	88700	1.20	15.0	
2	0.379	3/8	0.377	0.11	0.111	2900	4500	58200	57350	90200	89000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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To,
 Sub Divisional Officer
 Building Sub Division
 Chunian
 (Re-Construction of Dangerous Class Rooms (Comp ID 7173
 Re-Construction of 03-Nos. Dangerous Class Rooms in Govt Girls High School Kangan Pur
 Tehsil Chunian District Kasur)
 Reference # CED/TFL **1522** (Dr. Usman Akmal) Dated: 08-06-2022
 Reference of the request letter # 73/ch Dated: 19-05-2022

Tension Test Report (Page -1/1)

Date of Test 09-06-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	Nominal	Actual			
1	0.379	3/8	0.377	0.11	0.112	3100	4500	62200	61280	90200	89000	1.60	20.0	
2	0.380	3/8	0.377	0.11	0.112	3000	4500	60200	59230	90200	88900	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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To,
 Construction Manager
 Thaheem Construction Company
 Spinning Hostel Building Project at Master Textile Mills Facility

Reference # CED/TFL **1523** (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 08-06-2022
 Dated: 02-06-2022

Tension Test Report (Page -1/1)

Date of Test 09-06-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	Nominal	Actual			
1	0.378	3/8	0.376	0.11	0.111	3100	4600	62200	61570	92200	91400	1.30	16.3	FF Steel
2	0.382	3/8	0.378	0.11	0.112	3200	4600	64200	62820	92200	90300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Material Specialist
 NESPAK

Dualization of Road from Gujranwala to M-2 Interchange at Kot Sarwar via Hafizabad km 6.20 to km 80.35 Length 74.15 km in District Gujranwala & Hafizabad (Section km 06.20 – 23.20, L=17.00 km)

Reference # CED/TFL **1524** (Dr. Usman Akmal)

Dated: 08-06-2022

Reference of the request letter # SA-466F/103/GH/ML/Lab/27

Dated: 25-05-2022

Tension Test Report (Page -1/1)

Date of Test 09-06-2022

Gauge length 8 inches

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

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	Nominal	Actual			
1	0.109	3/16	0.202	-----	0.032	1120	1400	-----	77040	-----	96300	1.20	15.0	
2	0.108	3/16	0.201	-----	0.032	800	1200	-----	55770	-----	83700	1.30	16.3	
3	0.193	1/4	0.269	-----	0.057	1500	2200	-----	58370	-----	85600	1.10	13.8	
4	0.190	1/4	0.266	-----	0.056	1700	2200	-----	67190	-----	87000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

3/16" Dia Bar Bend Test Through 180° is Satisfactory

1/4" Dia Bar Bend Test Through 180° is Satisfactory

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To,
M/S Usman Industries
Gujranwala

Reference # CED/TFL **1527** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 09-06-2022

Dated: 09-06-2022

Tensile / Slippage Test Report (Page -1/1)

Date of Test 09-06-2022
Description Rebar Coupler Slippage Test

Sr. No.	Dia	Failure Load	Mode of Failure	Remarks
	(mm)	(kg)	---	
1	36	15200	Steel Bar Slip	
2	36	26000	Coupler Broken	-
3	36	23000	Coupler Broken	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Note: only three samples for test				

M. Mohsin Jawaid (Lead-SCM-Proc-IP, Descon Engineering Ltd)

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