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

To,
Resident Engineer
NESPAK
Construction of Pedestrian Overhead Bridge at Shabbir Usmani Road Infront of Jinnah Hospital, Lahore
Reference # CED/TFL **34155** (Dr. Usman Akmal) Dated: 08-11-2019
Reference of the request letter # 4047-R/13/SNH/07/AFE/109 Dated: 01-11-2019

Tension Test Report (Page -1/2)

Date of Test 27-11-2019
Gauge length 8 inches
Description J - Bolt Tensile Test

Sr. No.	Weight	Diameter/ size		Area (mm^2)		Yield load	Breaking Load	Yield Stress (MPa)	Ultimate Stress (MPa)	Elongation	% Elongation	Remarks
	(kg/m)	Nominal (inch)	Actual (mm)	Nominal	Actual	(kg)	(kg)	Actual	Actual	(inch)		
1	9.556	1.5	39.37	------	1217.3	72000	76800	580	619	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one samples for tensile test												
Bend Test												

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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To,
Resident Engineer
NESPAK
Construction of Pedestrian Overhead Bridge at Shabbir Usmani Road Infront of Jinnah Hospital, Lahore

Reference # CED/TFL **34155** (Dr. Usman Akmal) Dated: 08-11-2019
Reference of the request letter # 4047-R/13/SNH/07/AFE/109 Dated: 01-11-2019

Slippage Test Report (Page -2/2)

Date of Test 27-11-2019
Description J- Bolt Slippage Test

Sr. No.	Dia (inch)	Proof Load	Remarks	Failure Load (kg)	Mode of Failure
1	1.5	95 Kps (43103 kg)	Safe	61000	Broken at Thread Portion
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
Note: only one sample for test					

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

To,
M/S Civil & Urban Engineers
Lahore
(Engro Foods Ltd., at Sukkur)

Reference # CED/TFL **34217** (Dr. Usman Akmal) Dated: 26-11-2019
Reference of the request letter # Nil Dated: 25-11-2019

Tension Test Report (Page -1/1)

Date of Test 28-11-2019
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	0.376	3	0.375	0.11	0.110	3200	4800	64200	63860	96200	95800	1.40	17.5	
2	0.375	3	0.375	0.11	0.110	3200	4750	64200	63970	95200	95000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:
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STRUCTURAL ENGINEERING DIVISION

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

To,
Resident Engineer
PEPAC
Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate, District Kasur (Package-R)

Reference # CED/TFL **34218** (Dr. Usman Akmal) Dated: 26-11-2019
Reference of the request letter # RE/PEPAC/WWC/106-00 Dated: 21-11-2019

Tension Test Report (Page -1/1)

Date of Test 28-11-2019
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	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.370	3/8	0.372	0.11	0.109	3400	4750	68200	68890	95200	96300	1.00	12.5	
2	0.367	3/8	0.371	0.11	0.108	3600	4800	72200	73540	96200	98100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
Sub Divisional Officer
Buildings Sub Division No. 10
Lahore
(Construction of Police Station Factory Area, Lahore)

Reference # CED/TFL **34219** (Dr. Usman Akmal) Dated: 26-11-2019
Reference of the request letter # 544/10th Dated: 19-11-2019

Tension Test Report (Page -1/1)

Date of Test 28-11-2019
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.382	3/8	0.378	0.11	0.112	3000	4700	60200	58920	94200	92300	1.00	12.5	
2	0.381	3/8	0.378	0.11	0.112	3100	4650	62200	60930	93200	91400	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
M/S Defence Housing Authority.
Lahore Cantt
(External Elec Sys (U/G) of Sector A & B, DHA Ph-V (M/s MCC Ruba)

Reference # CED/TFL **34220** (Dr. Usman Akmal) Dated: 26-11-2019
Reference of the request letter # 408/241/E/Lab/780/003 Dated: 25-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-11-2019
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	0.373	3	0.374	0.11	0.110	3300	5000	66200	66290	100200	100500	1.00	12.5	City UAE Steel
2	0.374	3	0.374	0.11	0.110	3300	5050	66200	66160	101200	101300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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STRUCTURAL ENGINEERING DIVISION

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

To,
Assistant Manager (Engg.)
Punjab Daanish Schools and Centers of Excellence Authority
Establishment of Center of Excellence at Govt Boys High School No. 01 at Peer Mahal District T.T Singh

Reference # CED/TFL **34221** (Dr. Usman Akmal) Dated: 27-11-2019
Reference of the request letter # AM(E)/11/19/189 Dated: 26-11-2019

Tension Test Report (Page -1/1)

Date of Test 28-11-2019
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	3100	4900	62200	62040	98200	98100	1.20	15.0	
2	0.377	3	0.376	0.11	0.111	3100	4900	62200	61690	98200	97600	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.

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To,
Sub Divisional Officer
Buildings Sub Division
Kamalia
(Re-Construction of 2 No. Classroom Size 24X16 at GMPS Mouza Jussa Tehsil Pirmahal District Toba Tek Singh
(Construction of Boundry Wall 440-Rft with 01-No Gate & Gate Pillar at GMPS Mouza Jussa Tehsil Pirmahal District T.T. Singh)
Reference # CED/TFL **34224** (Dr. Usman Akmal) Dated: 27-11-2019
Reference of the request letter # 1725 Dated: 25-11-2019

Tension Test Report (Page -1/1)

Date of Test 28-11-2019
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	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3/8	0.370	0.11	0.107	4100	5300	82200	84150	106200	108800	0.80	10.0	
2	0.363	3/8	0.369	0.11	0.107	4150	5300	83200	85610	106200	109400	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º is Satisfactory														

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