STRUCTURAL ENGINEERING DIVISION

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

To,
Sub Divisional Officer
Building sub Division No.12
Lahore
(Establishment of Mother & Child Block In Sir Ganga Ram Hospital,Lahore Group NO.1)
Reference # CED/TFL **34842** (Dr. Safeer Abbass) Dated: 19-03-2020
Reference of the request letter # 126/12th Dated: 28-02-2020

Tension Test Report (Page -1/1)

Date of Test 21-04-2020
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 (inch)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.381	3/8	0.378	0.11	0.112	3300	4800	66200	64890	96200	94400	1.30	16.3	
2	0.380	3/8	0.377	0.11	0.112	3200	4800	64200	63140	96200	94800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Bar Bend Test Through 180º is Satisfactory														

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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STRUCTURAL ENGINEERING DIVISION

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

To,
CFO
Indigo Developers
Gulberg-III, Lahore

Reference # CED/TFL **34844** (Dr. Safeer Abbass) Dated: 19-03-2020
Reference of the request letter # Nil Dated: 18-03-2020

Tension Test Report (Page -1/1)

Date of Test 21-04-2020
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	0.381	3	0.378	0.11	0.112	3500	4800	70200	68820	96200	94400	0.90	11.3	
2	0.383	3	0.379	0.11	0.113	3600	5000	72200	70410	100200	97800	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
# 3 Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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 Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **34845** (Dr. Safeer Abbas) Dated: 19-03-2020
Reference of the request letter # Nil Dated: 13-03-2020

Tension Test Report (Page – 1/1)

Date of Test 21-04-2020
Gauge length -------
Description Steel Wire Rope Galvanized Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Yield Load	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	(kg)	
1	**12**	**0.587**	**---------**	**8000**	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
Only one sample for Test					

Witness by Muhammad Wasim Khan (Manager (Punjab) Pakistan Wire Industries (Pvt) Limited

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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 Resident Engineer Nespak
Lahore
(Widening / Improvement of Road from Rodu Sultan to 18-Hazari Nawan Kot Road Via UCH GUL Imam (Rap ph-I 2018-19)Distt. Jhang Steel)
(Widening / Improvement / Rehablitation of Road from Adda Mehmood Kot to Katcha Pacca Pur Road Via Jaiwan Rap Pha-I 2018-19 Highway Division Jhang) (Nomee Steel)
Reference # CED/TFL **34846** (Dr. Safeer Abbass) Dated: 19-03-2020
Reference of the request letter # 3872/RAP/103/AR/01/336 Dated: 07-03-2020

Tension Test Report (Page -1/1)

Date of Test 21-04-2020
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	3200	4900	64200	63280	98200	96900	1.10	13.8	
2	0.379	3	0.376	0.11	0.111	3200	4900	64200	63390	98200	97100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
# 3 Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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,
Muhammad Naseer
Construction of House at 168-H - DHA V, Lahore

Reference # CED/TFL **34847** (Dr. Safeer Abbass) Dated: 20-03-2020
Reference of the request letter # Nil Dated: 20-03-2020

Tension Test Report (Page -1/1)

Date of Test 21-04-2020
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	0.378	3	0.376	0.11	0.111	3400	5000	68200	67520	100200	99300	1.20	15.0	
2	0.379	3	0.377	0.11	0.111	3500	5000	70200	69210	100200	98900	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
# 3 Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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.E
AS Enterprises
Style Textile Manga
(AA Associates)(Afco)

Reference # CED/TFL **34848** (Dr. Safeer Abbass) Dated: 20-03-2020
Reference of the request letter # USD/ASE/19 Dated: 20-03-2020

Tension Test Report (Page -1/1)

Date of Test 21-04-2020
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.413	10	9.99	0.12	0.121	3700	5100	67975	67190	93696	92700	1.20	15.0	
2	0.414	10	9.99	0.12	0.122	3700	5100	67975	67080	93696	92500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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 Engineer
Evacuee Trust Property Board (Government of Pakistan)
Re-Habilitation of Shamshan Ghat for Hindu and Sikh Community at Babu Sabu, Lahore

Reference # CED/TFL **34849** (Dr. Safeer Abbass) Dated: 20-03-2020
Reference of the request letter # TW/ETPB/EZ/419/19/2323 Dated: 18-03-2020

Tension Test Report (Page -1/1)

Date of Test 21-04-2020
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	4900	68200	68910	98200	99400	1.40	17.5	
2	0.372	3/8	0.373	0.11	0.109	3200	4900	64200	64430	98200	98700	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 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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,
Resident Engineer
NESPAK
Dualization of Sammundri Rajana Toba Tek Singh Road (Section from Sammundri to District Boundary Faisalabad km no. 45 to 78.79 L-33.79 km Group-III: km no. 67.50 to 78.79 L=11.29 km
Reference # CED/TFL **34850** (Dr. Safeer Abbass) Dated: 20-03-2020
Reference of the request letter # 3872/RAP/103/AR/02/340 Dated: 16-03-2020

Tension Test Report (Page -1/1)

Date of Test 21-04-2020
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	0.372	3	0.373	0.11	0.109	3600	4800	72200	72480	96200	96700	1.20	15.0	Prim. Steel
2	0.373	3	0.374	0.11	0.110	3500	4800	70200	70310	96200	96500	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
# 3 Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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