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

To,

Head Quality Assurance
FF Steel
Hayatabad Industrial Estate, Peshawar

Reference # CED/TFL **5518** (Dr. M Rizwan Riaz) Dated: 16-08-2024
Reference of the request letter # Nil Dated: 15-08-2024

Tension Test Report (Page – 1/1)

Date of Test 20-08-2024
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**28**	**3.21**	**45100**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Pakistan. Ph: 92-42-99029202

To,

Resident Engineer
NESPAK
Expansion of Joint Chek Post Wagha, Lahore.

Reference # CED/TFL **5521** (Dr. Asad Ali) Dated: 16-08-2024
Reference of the request letter # 4749/031/YK/01/36 Dated: 12-08-2024

Tension Test Report (Page -1/1)

Date of Test 20-08-2024
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	0.375	0.11	0.110	3540	5270	71000	70750	105600	105400	1.00	12.5	SJ Steel
2	0.377	3	0.376	0.11	0.111	3160	4540	63400	62820	91000	90300	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														

Witness by Faisal Saddique (Site Inspector)

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UET Lahore, Pakistan.

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To,

M/S Meezan Developers
Lahore
(Construction of Jamia-Tur-Rasheed Lahore Campus.)

Reference # CED/TFL **5525** (Dr. M Rizwan Riaz) Dated: 19-08-2024
Reference of the request letter # Nil Dated: 19-08-2024

Tension Test Report (Page # 1/1)

Date of Test 20-08-2024
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	0.363	3	0.369	0.11	0.107	3500	4500	70200	72320	90200	93000	1.20	15.0	
2	0.366	3	0.370	0.11	0.108	3700	4700	74200	75780	94200	96300	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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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

QAI / RE
Associated Consultancy Centre (Pvt) Ltd.
Construction of Kot Pindi Das Interchange on Lahore – Islamabad Motorway (M-2)

Reference # CED/TFL **5527** (Dr. M Rizwan Riaz) Dated: 19-08-2024
Reference of the request letter # KPD/QAI/RE/23/142 Dated: 19-08-2024

Tension Test Report (Page # 1/1)

Date of Test 20-08-2024
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	0.373	10	9.49	0.12	0.110	3300	4900	60627	66290	90021	98500	1.40	17.5	Ravi Steel
2	0.373	10	9.49	0.12	0.110	3400	4900	62464	68430	90021	98700	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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Pakistan. Ph: 92-42-99029202

To,

M/S Riaz Construction Company
Lahore
(TCF High School, Pindi Geb.)

Reference # CED/TFL **5528** (Dr. M Rizwan Riaz) Dated: 19-08-2024
Reference of the request letter # Nil Dated: 19-08-2024

Tension Test Report (Page # 1/1)

Date of Test 20-08-2024
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	0.371	3	0.373	0.11	0.109	3700	5000	74200	74780	100200	101100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Resident Engineer
NESPAK
Construction of Bridge and Approach Road Across BRB Canal near Hudiara Village, Lahore.

Reference # CED/TFL **5529** (Dr. M Rizwan Riaz) Dated: 19-08-2024
Reference of the request letter # 3772/103/ADP/MHK/BRB/18 Dated: 13-08-2024

Tension Test Report (Page -1/1)

Date of Test 20-08-2024
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	3400	4800	68200	67300	96200	95100	1.30	16.3	SJ Steel
2	0.380	3	0.377	0.11	0.112	3500	4800	70200	68990	96200	94700	1.20	15.0	
3	4.312	10	1.270	1.27	1.268	37600	56200	65300	65380	97600	97800	1.60	20.0	
4	4.322	10	1.272	1.27	1.271	38800	57000	67400	67310	99000	98900	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

#10 Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Site Engineer,
OZ Developers,
Rising Beyond Pvt. Ltd.
Construction of High-rise building "Bahria Sky" at Bahria Orchard Phase 4 Lahore.

Reference # CED/TFL **5531** (Dr. Rizwan Riaz) Dated: 20-08-2024
Reference of the request letter # NIL Dated: 20-08-2024

Tension Test Report (Page -1/1)

Date of Test 20-08-2024
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	0.361	3	0.368	0.11	0.106	3500	4600	70200	72680	92200	95600	1.20	15.0	
2	0.352	3	0.363	0.11	0.104	3300	4500	66200	70230	90200	95800	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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