STRUCTURAL ENGINEERING DIVISION

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

Ref: CED/TFL/01/35942 Dated: 15-01-2021

Dated of Test: 19-01-2021

To
Project Manager
Etihad Town Pvt Limited
Raiwind Road, Lahore

Subject: **- TEST RESULT REPORT FOR GRATING FRAME FOR LOAD TEST**

Reference to your letter no. Nil dated: 14/01/2020 on the above mentioned subject. One Grading Frame for load test as received by us has been tested and results are given below:

Sr. No.	Designation	Design / Applied Load	Remarks
1	Grading Frame	178 kN	The Grading Frame is Safe at 178 kN applied load

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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Pakistan. Ph: 92-42-99029202

To,
M/S Imperium Hospitality (Pvt) Limited
Gulberg II, Lahore

Reference # CED/TFL **35945** (Dr. Waseem Abbass) Dated: 18-01-2021
Reference of the request letter # IHPL/Steel/039 Dated: 12-01-2021

Tension Test Report (Page -1/1)

Date of Test 19-01-2021
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	4.279	10	1.266	1.27	1.258	39400	60400	68400	69040	104900	105900	1.30	16.3	PCS Steel
2	4.269	10	1.264	1.27	1.255	38800	60000	67400	68150	104200	105400	1.30	16.3	
3	4.287	10	1.267	1.27	1.260	39000	60200	67700	68210	104500	105300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only three samples for tensile and one sample for bend test

Bend Test

#10 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 S.P. Nizam
Lahore

Reference # CED/TFL **35946** (Dr. Waseem Abbass) Dated: 18-01-2021
Reference of the request letter # Nil Dated: 18-01-2021

Tension Test Report (Page – 1/1)

Date of Test 19-01-2021
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/km)	(kg)	
1	**14**	**653.57**	**10000**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

To,
M/S Abbas Co Enterprises
Islamabad

Reference # CED/TFL **35950** (Dr. Waseem Abbass) Dated: 18-01-2021
Reference of the request letter # Nil Dated: 18-01-2021

Tension Test Report (Page -1/1)

Date of Test 19-01-2021
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	0.373	0.11	0.110	3300	4800	66200	66420	96200	96700	1.40	17.5	
2	0.380	3	0.377	0.11	0.112	3300	4900	66200	65200	98200	96900	1.50	18.8	
3	4.342	10	1.275	1.27	1.276	36400	57000	63200	62870	99000	98500	1.30	16.3	
4	4.331	10	1.273	1.27	1.273	36600	56800	63600	63360	98600	98400	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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STRUCTURAL ENGINEERING DIVISION

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

To,
M/S Ittefaq Building Solutions Pvt Ltd
Lahore
(McDonlds Restaurant DHA Rehbar)

Reference # CED/TFL **35952** (Dr. Waseem Abbass) Dated: 18-01-2021
Reference of the request letter # IBS/MC/ST02 Dated: 18-01-2021

Tension Test Report (Page -1/1)

Date of Test 19-01-2021
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	0.417	10	10.03	0.12	0.123	3700	5300	67975	66570	97370	95400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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,
Construction Manager
NESPAK
Establishment of Punjab Local Government Academy Building - Lahore

Reference # CED/TFL **35953** (Dr. Waseem Abbass) Dated: 18-01-2021
Reference of the request letter # 3976/13/MHK/01/184 Dated: 13-01-2021

Tension Test Report (Page -1/1)

Date of Test 19-01-2021
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	0.388	3	0.381	0.11	0.114	4300	5300	86200	83150	106200	102500	0.80	10.0	
2	0.389	3	0.382	0.11	0.114	4400	5400	88200	84840	108200	104200	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/S Imperium Hospitality (Pvt) Limited
Gulberg II, Lahore

Reference # CED/TFL **35957** (Dr. Waseem Abbass) Dated: 19-01-2021
Reference of the request letter # IHPL/Steel/046 Dated: 18-01-2021

Tension Test Report (Page -1/1)

Date of Test 19-01-2021
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	4.130	10	1.243	1.27	1.214	43200	57000	75000	78430	99000	103500	1.50	18.8	PCS Steel
2	4.143	10	1.245	1.27	1.218	38800	52600	67400	70230	91300	95300	1.60	20.0	
3	4.027	10	1.228	1.27	1.184	39600	53200	68800	73740	92400	99100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile and one sample for bend test														
Bend Test														
#10 Bar Bend Test Through 180º is Satisfactory														

Witness by Hamza Adam Khan (Resident Architect, Kingcrete Builders) & M Ilyas (Lab. Technition, Tanveer Construction Pvt Ltd)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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