

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

To,

Deputy General Manager Projects Habib Rafiq Engineering (Pvt.) Limited Construction of Sky Gardens Tower, Lahore

Reference # CED/TFL <u>5562 (Dr. Rizwan Azam)</u>

Reference of the request letter # HRLE/SKG/2024/160

Dated: 27-08-2024

Dated: 27-08-2024

Tension Test Report (Page -1/1)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze m)		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.407	10	9.91	0.12	0.120	4380	5810	80468	80700	106739	107100	0.80	10.0	E _
2	0.406	10	9.90	0.12	0.119	4330	5520	79549	79990	101412	102000	1.00	12.5	Kamran Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	3 0
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
101	nm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	ctory							

I/C Testing Laboratoires UET Lahore, Pakistan.

- 1- You can See your reports On Internet in the following web site http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
- 2. The above results pertain to sample /samples supplied to this laboratory.
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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To,

Unit Head PMO
ABL – UML P-199 & 200
Allied Bank
Construction of ABL Upper Mall Lahore Plot No. 199, 200.

Reference # CED/TFL <u>5565 (Dr. Rizwan Azam)</u>

Reference of the request letter # ABL-UML-AMC-QAQC-87

Dated: 27-08-2024

Dated: 27-08-2024

Tension Test Report (Page -1/1)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	Э %	Re
1	0.373	3	0.374	0.11	0.110	3620	4610	72600	72740	92400	92700	1.20	15.0	ર el
2	0.352	3	0.363	0.11	0.104	3410	4350	68400	72570	87200	92600	1.20	15.0	FF Steel
-	-	-	ı	-	-	-	-	-	-	-	-	-	1	
-	1	-	ı	1	-	1	-	-	-	-	-	-	1	
-	1	-	ı	ı	-	1	-	-	-	-	-	-	ı	
-	-	-	1	-	-	-	-	-	-	-	-	-	-	
			No	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend 1	test			
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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CHONER MOCKET

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 Master Consulting Engineers (Pvt) Ltd. Revamping of Services Hospital Lahore. (Group No. 3, Admin Block)

Reference # CED/TFL <u>5571 (Dr. Rizwan Azam)</u>

Reference of the request letter # Revamping/ Services/Camp/69

Dated: 28-08-2024

Dated: 05-07-2024

Tension Test Report (Page -1/1)

Date of Test 29-08-2024 Gauge length 8 inches

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

Weight					Yield load	Breaking Load					Elongation	longation	Remarks
(lbs/ft)	~	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re	
0.383	3	0.379	0.11	0.113	3790	5150	76000	74190	103200	100900	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	1	1	1	-	1	-	-	
-	-	-	-	-	-	1	1	1	-	1	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	
		Note: only one samples for tensile and one sample for bend test											
						Bend T	est						
Bar Ben	d Test	Through	180° is	s Satisfa	ctory								
	(tJ/sql) 0.383	(lbs/ft) (math display="block" 1	(lps/ft) (lps/ft) (lps/ft) (mch) (inch)	(lps/ft) Nominal Note: onless onl	(lps/ft) Compared to the control of the control	(kg) O.383 3 O.379 O.11 O.113 3790	(kg) (kg) 0.383 3 0.379 0.11 0.113 3790 5150	(kg) (kg) (kg) (lg) (lg) (lg) (lg) (lg) (lg) (lg) (l	(kg) (kg) Family Family	(kg) (kg) (kg) (kg) (kg) (kg) (kg) (kg)	The color of the	(kg) (kg) (kg) (kg) (kg) (kg) (kg) (kg)	(kg) (kg) (kg) (kg) (kg) (kg) (kg) (kg)

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

Project Manager Q-Links Property Construction Pvt. Ltd. Construction of Safri Home BahriaOrchard Lahore

Reference # CED/TFL <u>5572 (Dr. Rizwan Azam)</u>
Reference of the request letter # Qlinks06

Tension Test Report (Page -1/1)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	3 0.366 (Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	R
1	0.358	3	0.366	0.11	0.105	3110	4840	62400	65180	97000	101500	1.20	15.0	
2	0.359	3	0.366	0.11	0.105	3130	4840	62800	65400	97000	101200	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Note: only two samples for tensile and one sample for bend test												
							Bend T	`est						
#3	Bar Ben	d Test	Γhrougl	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 28-08-2024

Dated: 28-08-2024

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

To,

Asstt: Executive Engineer Central Civil Division-I Pak. PWD: Lahore

(Construction of Additional School Boundary Wall and Class Rooms at Kanwain Mallian

Girls Middle School, District Kasur.)

Reference # CED/TFL <u>5574 (Dr. M Kashif)</u>
Reference of the request letter # AEE-I/LCCD-I/231

Tension Test Report (Page -1/2)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight				rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	R
1	0.370	3/8	0.372	0.11	0.109	3770	4690	75600	76480	94000	95200	1.00	12.5	
2	0.371	3/8	0.373	0.11	0.109	3870	4810	77600	78120	96400	97100	1.10	13.8	
-	-	-	-	-	-	ı	-	-	-	-	-	-	1	
-	ı	-	-	-	-	ı	-	-	-	-	-	-	ı	
-	1	-	-	-	-	ı	-	-	-	-	-	-	1	
-	ı	-	-	-	-	ı	-	-	-	-	-	-	ı	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test			
- 10					1000: 4		Bend T	est						

3/8" Dia Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 28-08-2024

Dated: 14-06-2024

- 1- You can See your reports On Internet in the following web site http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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

To,

Asstt: Executive Engineer Central Civil Division-I Pak. PWD: Lahore

(Construction of Additional School Boundary Wall and Class Rooms at Government Girls High School at Bhagian Kalan District Kasur.)

Reference # CED/TFL <u>5574 (Dr. M Kashif)</u>
Reference of the request letter # AEE-I/LCCD-I/226

Tension Test Report (Page -2/2)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ize ch)		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lps/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.369	3/8	0.372	0.11	0.109	3890	4660	78000	78960	93400	94600	1.10	13.8	
2	0.368	3/8	0.371	0.11	0.108	3820	4760	76600	77750	95400	96900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	1	
-	-	-	-	-	-	1	1	-	-	-	1	-	1	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test	I		T
2/0	"D' D	D 1	T T.	1	1000: 0	Satisfacto	Bend T	est						

3/8" Dia Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 28-08-2024

Dated: 13-06-2024

- 1- You can See your reports On Internet in the following web site http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To,

M/S Muhammad Construction Company Lahore (Reliance Cotton Spinning Mill Ltd. (Feroze Wattan)

Reference # CED/TFL 5575 (Dr. Rizwan Azam)

Reference of the request letter # Nil Dated: 29-08-2024

Tension Test Report (Page -1/1)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ize um)		rea 1 ²)	Yield load	Breaking Load		Stress si)	Ultimat (p	e Stress si)	Elongation	% Elongation	Remarks
	(t)/sql) 1 0.427	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Ŗ
1	0.427	10	10.15	0.12	0.125	3920	6030	72017	68860	110781	106000	1.20	15.0	
2	0.425	10	10.13	0.12	0.125	3840	6010	70547	67710	110414	106000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	sample fo	r tensile	and one	sample f	or bend t	est			
							Bend T	est						
101	nm Bar	Bend T	est Thro	ough 18	0° is Sa	tisfactory	•							

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 29-08-2024

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- 2. The above results pertain to sample /samples supplied to this laboratory.
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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To,

M/s Prime Steel Re-Rolling Mills Sheikhupura

Reference # CED/TFL <u>5577 (Dr. M Kashif)</u>

Reference of the request letter # Nil

Dated: 29-08-2024

Dated: 29-08-2024

Tension Test Report (Page -1/2)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze	Aı (iı	rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.375	3	0.375	0.11	0.110	3210	4740	64400	64140	95000	94800	1.20	15.0	eel 12
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Prime Steel Heat # 02
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Prin He
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only one sample for tensile and one sample for bend test													
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

M/s Prime Steel Re-Rolling Mills Sheikhupura

Reference # CED/TFL 5577 (Dr. M Kashif) Dated: 29-08-2024 Reference of the request letter # Nil Dated: 29-08-2024

Tension Test Report (Page -2/2)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.367	3	0.370	0.11	0.108	3080	4400	61800	63000	88200	90000	1.20	15.0	eel 1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Prime Steel Heat # 01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Prin Hea
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		T	N	ote: on	ly one s	sample fo	r tensile	and one	sample fo	or bend t	est			
#3	Bar Ben	d Test		180° i	S Satisfa	actory	Bend T	est						

I/C Testing Laboratoires **UET Lahore, Pakistan.**

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

To,

Resident Engineer, Orbit Developers Private Limited The Spring Atrium, Gulberg Lahore.

Reference # CED/TFL <u>5578 (Dr. M Kashif)</u> Reference of the request letter# NIL

Tension Test Report (Page -1/1)

Date of Test 29-08-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.373	3	0.374	0.11	0.110	3540	5150	71000	71160	103200	103600	1.20	15.0	
2	0.362	3	0.368	0.11	0.106	3330	4940	66800	68970	99000	102400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test	1		
							Dand T	lost.						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory	Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 29-08-2024

Dated: 29-08-2024

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