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 Shahid Builders (Pvt) Ltd
Lahore
(Construction of Labard Rehabilitation and Vocational Training Centre Consists of Basements, Mezzanine and First Floor at Harbanspura, Lahore)(Kamran Steel)

Reference # CED/TFL **33198** (Dr. Usman Akmal) Dated: 08-05-2019
Reference of the request letter # SBL/2019/201 Dated: 08-05-2019

Tension Test Report (Page -1/1)

Date of Test 09-05-2019
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	0.373	3/8	0.374	0.11	0.110	3400	4700	68200	68390	94200	94600	0.90	11.3	
2	0.371	3/8	0.373	0.11	0.109	3400	4700	68200	68720	94200	95000	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.

Note:
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2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

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To,
Resident Engineer
PEPAC
Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate, District Kasur (Package-A & B)(Ittefaq Steel)

Reference # CED/TFL **33200** (Dr. Usman Akmal) Dated: 08-05-2019
Reference of the request letter # RE/PEPAC/Sundar/AB-152 Dated: 07-05-2019

Tension Test Report (Page -1/1)

Date of Test 09-05-2019
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	0.400	3/8	0.387	0.11	0.118	3100	4800	62200	58050	96200	89900	1.20	15.0	
2	0.371	3/8	0.373	0.11	0.109	2900	4200	58200	58600	84200	84900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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To,
Junior Research Officer-I
Building Research Station
Lahore
(Mughal Steel)

Reference # CED/TFL **33201** (Dr. Usman Akmal) Dated: 08-05-2019
Reference of the request letter # 154-R/1087 Dated: 30-04-2019

Tension Test Report (Page -1/1)

Date of Test 09-05-2019
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	0.367	0.11	0.106	3400	4500	68200	70690	90200	93600	0.90	11.3	
2	0.358	3	0.366	0.11	0.105	3500	4500	70200	73210	90200	94200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
Project Manager
Liberty Builders
Construction of Zee Avenue Project, 17-A, Cooper Road, Lahore
(Model Steel)

Reference # CED/TFL **33206** (Dr. Waseem Abbas) Dated: 09-05-2019
Reference of the request letter # CONC-20190509 Dated: 09-05-2019

Tension Test Report (Page -1/1)

Date of Test 09-05-2019
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	0.365	3	0.370	0.11	0.107	3500	4900	70200	71900	98200	100700	0.80	10.0	
2	0.362	3	0.368	0.11	0.106	3200	4700	64200	66320	94200	97500	0.90	11.3	
3	0.357	3	0.365	0.11	0.105	3200	4100	64200	67250	82200	86200	0.90	11.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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