



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
 Engineering Consultancy Services Punjab (Pct) Ltd
 Engineering Consultancy Services for Construction of District Jail Nankana Sahib

Reference # CED/TFL **4365** (Dr. Safer Abbass)
 Reference of the request letter # 363/ECSP/DJN/45

Dated: 15-12-2023
 Dated: 26-08-2023

Tension Test Report (Page -1/1)

Date of Test 19-12-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.379	3	0.377	0.11	0.111	3260	4860	65400	64490	97400	96200	1.10	13.8	SJ Steel
2	0.378	3	0.376	0.11	0.111	3130	4510	62800	62160	90400	89600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
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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,
Site Engineer
Sitara Heights Private Limited, Lahore
“3 Jays Tower, Firdous Market Gulberg 3, Lahore

Reference # CED/TFL **4369** (Dr. Safer Abbass)
Reference of the request letter # SHPL/3JAYS/LHR/19

Dated: 18-12-2023
Dated: 18-12-2023

Tension Test Report (Page -1/1)

Date of Test 19-12-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.364	3	0.369	0.11	0.107	3380	5200	67800	69570	104200	107100	1.30	16.3	
2	0.363	3	0.369	0.11	0.107	3330	5150	66800	68780	103200	106400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Manager Construction Quality
 EastGate Industries (Pvt) Limited
 Construction of New Office Building at EGA-2 Gajumatta, Rohi Nala, Lahore.

Reference # CED/TFL **4370** (Dr. Safer Abbass)
 Reference of the request letter # Nil

Dated: 18-12-2023
 Dated: 18-12-2023

Tension Test Report (Page -1/1)

Date of Test 19-12-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3/8	0.375	0.11	0.110	3520	5420	70600	70380	108600	108400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
Resident Engineer
NESPAK
Lahore Ring Road Southern Loop (SL-3) Project

Reference # CED/TFL 4371 (Dr. Safer Abbass) Dated: 18-12-2023
Reference of the request letter # Nespak/LRRA/MNA/SL-3/095 Dated: 16-12-2023

Tension Test Report (Page – 1/1)

Date of Test 19-12-2023
Gauge length 640 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks/ Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)		
1	12.70 (1/2")	775.0	791	17500	171.68	19500	191.30	>3.50	xx
2	12.70 (1/2")	775.0	790	17600	172.66	19700	193.26	>3.50	xx
3	12.70 (1/2")	775.0	790	17800	174.62	19900	195.22	>3.50	xx
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Only three samples for Test

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To,
M/S Vision Engineering (Pvt) Ltd
Lahore

Reference # CED/TFL **4372** (Dr. Safer Abbass)
Reference of the request letter # VECO/2023/1218/002

Dated: 19-12-2023

Dated: 18-12-2023

Tension Test Report (Page – 1/1)

Date of Test 19-12-2023
Gauge length 640 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)		
1	9.53 (3/8")	430.0	441.0	10500	103.01	11100	108.89	>3.50	xx
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
Only one samples for Test									

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