



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 Nutribel (Pvt) Ltd
37P, Gulberg-II, Lahore

Reference # CED/TFL **36190** (Dr. Waseem Abbass)
Reference of the request letter # Nil

Dated: 09-03-2021
Dated: 09-03-2021

Tension Test Report (Page – 1/1)

Date of Test 16-03-2021
Gauge length 2 inches
Description Steel Plate Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	8	25.60x7.80	199.68	7500	10900	368.46	535.50	0.55	27.50	
2	12	25.50x11.80	300.90	13800	17500	449.91	570.54	0.65	32.50	
3	16	25.40x15.90	403.86	17200	23800	417.80	578.12	0.80	40.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Three Samples for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,
 Resident Engineer
 Dar Engineering
 Punjab Agriculture Food and Durg Authority's Science Enclave (PAFDA)
 (Kamal Pipe)

Reference # CED/TFL **36200** (Dr. Waseem Abbass)

Dated: 10-03-2021

Reference of the request letter # DB-78/DAR/RE/ME/2021/05

Dated: 09-03-2021

Tension Test Report (Page – 1/1)

Date of Test 16-03-2021

Gauge length 2 inches

Description MS Steel Pipe Steel Strip Tensile Test as per ASTM A36

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
1	MS Steel Pipe	4"x4"x3mm	25.40x3.00	76.20	2900	3700	373.35	476.34	0.60	30.00	
2			25.40x3.00	76.20	2900	3700	373.35	476.34	0.55	27.50	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test											
Bend Test											

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UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,
M/S Zoom Marketing Oils (Pvt) Ltd.
Gulberg III, Lahore

Reference # CED/TFL **336201** (Dr. Waseem Abbass)
Reference of the request letter # ZM-(MAR)21/02

Dated: 10-03-2021
Dated: 10-03-2021

Tension Test Report (Page – 1/2)

Date of Test 16-03-2021
Gauge length 2 inches
Description Steel Plate Steel Strip Tensile and Bend Test as per ASTM A-36

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)										
1	Steel Plate	3/8	25.40x8.80	223.52	12700	15600	557.39	684.66	0.40	20.00	
2			25.40x8.70	220.98	11300	14300	501.64	634.82	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile and One Sample for Bend Test											
Bend Test											
Strip Taken from Steel Plate 3/8" Bend Test Through 180° is Satisfactory											

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Pakistan. Ph: 92-42-99029202

To,
M/S Zoom Marketing Oils (Pvt) Ltd.
Gulberg III, Lahore

Reference # CED/TFL **336201** (Dr. Waseem Abbass)
Reference of the request letter # ZM-(MAR)21/02

Dated: 10-03-2021
Dated: 10-03-2021

Weight & Size Test Report (Page – 2/2)

Date of Test 16-03-2021
Description Steel Plate Weight and Size Test

Sr. No.	Designation	Weight	Length	Width (b)	Weight per Unit Area	Thickness	Remark
	(inch)	(g)	(cm)	(cm)	(kg/m ²)	(mm)	
1	3/8	6350	31.20	29.50	68.99	8.70	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
Only One Sample for Test							

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Ref: CED/TFL/03/36211

Dated: 11-03-2021

Dated of Test: 16-03-2021

To

Aircraft Engineer
Air One Pvt Ltd
Lahore Cantt

Subject: - AIRCRAFT JACKS FOR LOAD TEST

Reference to your letter no. FFL/AO/ADM/002, Dated: 23/02/2021 on the above mentioned subject. One aircraft jack as received by us has been tested. The results are as follows.

Sr. No.	Jack No.	Applied Load (Ton)	Remarks
1	Aircraft Jack P/N 02-7813C0100-0111 S/N 8237140307	12	Ok

I/C Testing Laboratories
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To,
 Resident Engineer
 NESPAK
 Lahore Roads & Rehabilitation Project (C & W Projects)
 Establishment of Mother & Child Block in Sir Ganga Ram Hospital Lahore

Reference # CED/TFL **36216** (Dr. Waseem Abbass)
 Reference of the request letter # 4084/103/BSAM/104/338

Dated: 12-03-2021
 Dated: 11-03-2021

Tension Test Report (Page -1/1)

Date of Test 16-03-2021
 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	0.374	3	0.374	0.11	0.110	3400	4800	68200	68250	96200	96400	1.20	15.0	Kamran Steel
2	0.373	3	0.374	0.11	0.110	3400	4800	68200	68280	96200	96400	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.

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STRUCTURAL ENGINEERING DIVISION
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To,
 Sr. Project Manager
 Izhar Group of Companies
 Construction of Structural Works of Dolmen Shopping Mall DHA Lahore

Reference # CED/TFL **36219** (Dr. Waseem Abbass) Dated: 15-03-2021
 Reference of the request letter # ICPL/CONST-DML/21/41 Dated: 15-03-2021

Tension Test Report (Page -1/1)

Date of Test 16-03-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		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	0.410	10	9.95	0.12	0.121	3700	4700	67975	67660	86347	86000	1.30	16.3	Amreli Steel
2	0.414	10	10.00	0.12	0.122	3800	4700	69812	68830	86347	85200	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Sr. Engineer (Civil) KCP (W&S)
 Pakistan Atomic Energy Commission
 Construction of Hostel for KCP General Hospital at KCP Colony

Reference # CED/TFL 36220 (Dr. Waseem)
 Reference of the request letter # KCp(W&S)-Hosp-(Hostels)/2019

Dated: 15-03-2021
 Dated: 19-02-2021

Tension Test Report (Page -1/1)

Date of Test 16-03-2021
 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	Heat No.
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.374	3	0.374	0.11	0.110	3200	4900	64200	64170	98200	98300	1.40	17.5	1073
2	0.370	3	0.372	0.11	0.109	3100	4900	62200	62810	98200	99300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 C, R & M
 Allied Bank
 Construction Project of Masoom Shah Road Branch, Multan

Reference # CED/TFL **36221** (Dr. Waseem Abbass)
 Reference of the request letter # Nil

Dated: 15-03-2021
 Dated: 12-03-2021

Tension Test Report (Page -1/1)

Date of Test 16-03-2021
 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	0.372	3	0.373	0.11	0.109	3700	4600	74200	74510	92200	92700	0.90	11.3	
2	0.373	3	0.373	0.11	0.110	3600	4500	72200	72430	90200	90600	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.

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Pakistan. Ph: 92-42-99029202

To,
 Ayyaz Ahmed
 569 – H3 Johar Town, Lahore

Reference # CED/TFL **36222** (Dr. Waseem Abbass)
 Reference of the request letter # Nil

Dated: 15-03-2021
 Dated: 15-03-2021

Tension Test Report (Page -1/1)

Date of Test 16-03-2021
 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	0.383	3/8	0.379	0.11	0.113	3900	5700	78200	76290	114300	111500	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Laboratories
UET Lahore, Pakistan.

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To,
M/S Al Fazal Engineering
Lahore

Reference # CED/TFL **36223** (Dr. Waseem Abbass)
Reference of the request letter # ALF-21-03-00478

Dated: 16-03-2021

Dated: 16-03-2021

Tension Test Report (Page – 1/1)

Date of Test 16-03-2021

Gauge length 2 inches

Description Steel Strip Tensile Test as per ASTM A36

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	35x2.50	24.60x2.40	59.04	1600	2200	265.85	365.55	0.80	40.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Only One Sample for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Construction Manager
 Zameen Aurum
 Construction of Zameen Aurum at Plot No. 15 Block, Gulberg-III, Main Feroze Pur Road,
 Lahore
 Reference # CED/TFL **36225** (Dr. Qasim Khan) Dated: 16-03-2021
 Reference of the request letter # ZD/ZA/STR005 Dated: 16-03-2021

Tension Test Report (Page -1/1)

Date of Test 16-03-2021
 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	0.373	3	0.374	0.11	0.110	3200	4800	64200	64260	96200	96400	1.30	16.3	
2	0.387	3	0.380	0.11	0.114	3300	5000	66200	64020	100200	97000	1.20	15.0	
3	4.319	10	1.271	1.27	1.270	34000	52600	59100	59030	91300	91400	1.80	22.5	
4	4.244	10	1.260	1.27	1.247	33200	52200	57700	58670	90600	92300	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#10 Bar Bend Test Through 180° is Satisfactory														

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