



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/01/34531

Dated: 23-01-2020

Dated: 07-02-2020 (Dr. Safer Abbas)

To

Store Officer
VIP Flight
Government of The Punjab
Services & General Administration
Department
Lahore Airport (Old Terminal)

Subject: - **JACK FOR LOAD TEST**

Reference to your letter no. VIP-4(78)/2017-58, Dated: 21/01/2020 on the above mentioned subject. Three Aircraft jacks as received by us have been tested. The results are as follows.

Sr. No.	Jack No.	Test Load	Remarks
1	S/No. 8605 – 3412	11,000 lbs	OK
2	S/No. 8605 – 3408	11,000 lbs	OK*
3	S/No. 50124	4500 lbs	OK

* = Jacj was repaired due to not sustaining of load. Now after rapairing of seal and others, load was sustained.

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,
 Resident Engineer
 NESPAK – Zeeruk (Jv)
 China Pakistan Economic Corridor (CPEC) Western Route Hakla (on M-1) to D.I.Khan
 Motorway – Rehmani Khel to Kot Balian – Package 2C

Reference # CED/TFL **34616** (Dr. Usman Akmal) Dated: 06-02-2020
 Reference of the request letter # RE/NESPAK/P-2C/CPEC-WR/470 Dated: 01-02-2020

Tension Test Report (Page -1/1)

Date of Test 07-02-2020
 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	4.239	10	1.259	1.27	1.246	42600	58400	74000	75370	101400	103400	1.50	18.8	Moez Steel
2	4.249	10	1.261	1.27	1.249	43000	58400	74700	75880	101400	103100	1.40	17.5	
3	5.221	11	1.398	1.56	1.535	46800	68000	66200	67220	96100	97700	1.60	20.0	
4	5.208	11	1.396	1.56	1.531	46600	67800	65900	67100	95800	97700	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														
#11 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Executive Engineer
 The Islamia University of Bahawalpur
 (The Extension of Vice Chancellor's Office at Baghdad-ul-Jadeed Campus)

Reference # CED/TFL **34619** (Dr. Usman Akmal)
 Reference of the request letter # 2016/Engg.

Dated: 06-02-2020
 Dated: 03-02-2020

Tension Test Report (Page -1/1)

Date of Test 07-02-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.366	3/8	0.370	0.11	0.107	2820	4150	56600	57840	83200	85200	1.40	17.5	
2	0.366	3/8	0.370	0.11	0.107	2900	4150	58200	59460	83200	85100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M.E
AS Enterprises
Style Textile Raiwind Road
(AA Associates)(Afce)

Reference # CED/TFL **34620** (Dr. Usman Akmal)
Reference of the request letter # USD/ASE/18

Dated: 06-02-2020
Dated: 04-02-2020

Tension Test Report (Page -1/1)

Date of Test 07-02-2020
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	0.400	10	9.83	0.12	0.118	4860	6240	89286	91010	114639	116900	0.80	10.0	
2	0.420	10	10.07	0.12	0.123	4960	6540	91123	88530	120151	116800	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 Project Incharge
 Muhammad Ashfaq Ch & Sons (Pvt) Ltd
 Construction of Cesar School, Lahore)

Reference # CED/TFL **34621, 622** (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 06-02-2020
 Dated: 06-02-2020

Tension Test Report (Page -1/1)

Date of Test 07-02-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.369	3/8	0.372	0.11	0.109	3740	5680	75000	75930	113900	115400	1.00	12.5	
2	0.372	3/8	0.373	0.11	0.109	3690	5680	74000	74290	113900	114400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
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To,
 Resident Engineer
 NESPAK
 Development of Infrastructure in LDA City, Lahore (Package 3 of Development Area - 1)

Reference # CED/TFL **34624** (Dr. Usman Akmal)
 Reference of the request letter # 4047/13/OH/03-KRC/44

Dated: 06-02-2020
 Dated: 06-02-2020

Tension Test Report (Page -1/1)

Date of Test 07-02-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Diameter/ Size		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Nominal (#)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.378	3	0.376	0.11	0.111	3940	5150	79000	78190	103200	102200	1.00	12.5	FF Steel
2	0.382	3	0.378	0.11	0.112	3890	5020	78000	76430	100600	98700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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To,
M/S Defence Housing Authority.
Lahore Cantt
(Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI (M/s Construct))

Reference # CED/TFL **34627, 628** (Dr. M Yousaf)
Reference of the request letter # 408/241/E/Lab/837/4637

Dated: 07-02-2020
Dated: 06-02-2020

Tension Test Report (Page -1/1)

Date of Test 07-02-2020
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	0.366	3	0.370	0.11	0.108	3380	4860	67800	69190	97400	99500	1.40	17.5	Kamran Steel
2	0.368	3	0.371	0.11	0.108	3390	4810	68000	69080	96400	98100	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														

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