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/12/6231 Dated: 26-12-2024

Dated of Test: 31-12-2024

To

Chief Executive
StrongForce Private Limited.
Lahore
(Mount Khalid-04 Tower, Gulberg Green, Islamabad.)

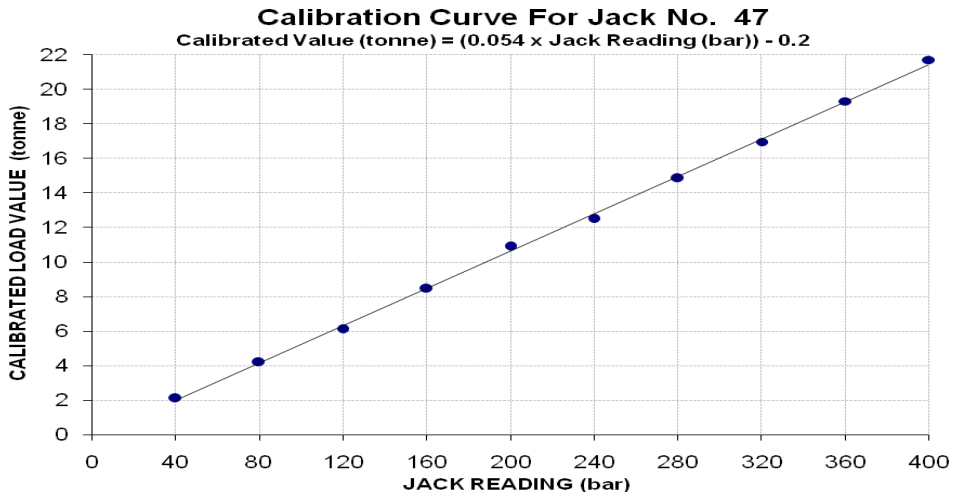
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/12/6231)** (Page -1/2)

Reference to your Letter No. L2024-12-11737, dated: 20/12/2024 on the subject cited above. One Hydraulic Jack (Jack No. 47, Gauge No. SF-47) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 400 (bar)

Hydraulic Jack Reading (bar)		40	80	120	160	200	240	280	320	360	400
Calibrated Load	**(kg)**	2100	4200	6100	8450	10900	12500	14850	16950	19300	21700
	(tonne)	2.10	4.20	6.10	8.45	10.90	12.50	14.85	16.95	19.30	21.70
Calibrated Pressure (bar)		40	81	117	162	209	240	285	326	371	417

The Ram Area of Jack = 51.05 cm^2



I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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.

3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

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/12/6231 Dated: 26-12-2024

Dated of Test: 31-12-2024

To

Chief Executive
StrongForce Private Limited.
Lahore
(Mount Khalid-04 Tower, Gulberg Green, Islamabad.)

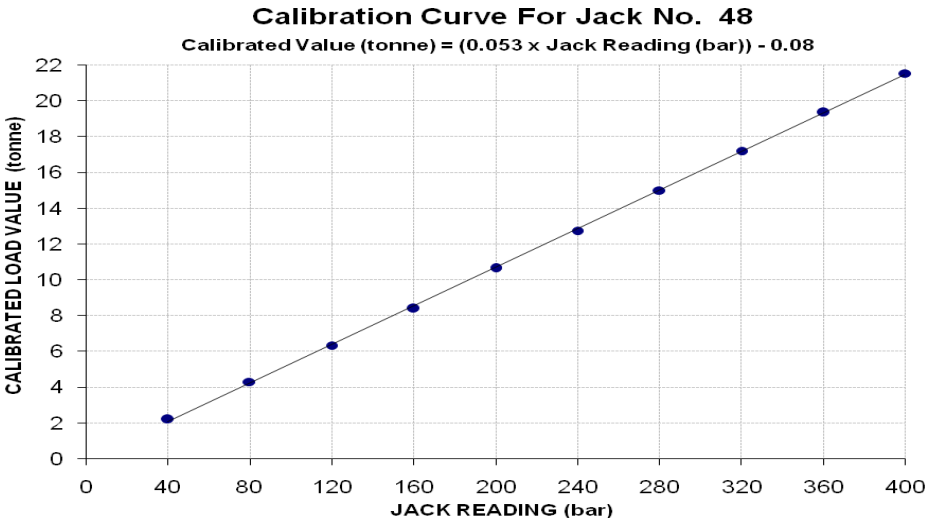
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/12/6231)** (Page -2/2)

Reference to your Letter No. L2024-12-11737, dated: 20/12/2024 on the subject cited above. One Hydraulic Jack (Jack No. 48, Gauge No. SF-48) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 400 (bar)

Hydraulic Jack Reading (bar)		40	80	120	160	200	240	280	320	360	400
Calibrated Load	**(kg)**	2200	4300	6350	8400	10650	12750	15000	17200	19350	21550
	(tonne)	2.20	4.30	6.35	8.40	10.65	12.75	15.00	17.20	19.35	21.55
Calibrated Pressure (bar)		42	83	122	161	205	245	288	330	372	414

The Ram Area of Jack = 51.05 cm^2



I/C Testing Laboratoires
UET Lahore, Pakistan.

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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/12/6232 Dated: 26-12-2024

Dated of Test: 31-12-2024

To

Chief Executive
StrongForce Private Limited.
Lahore

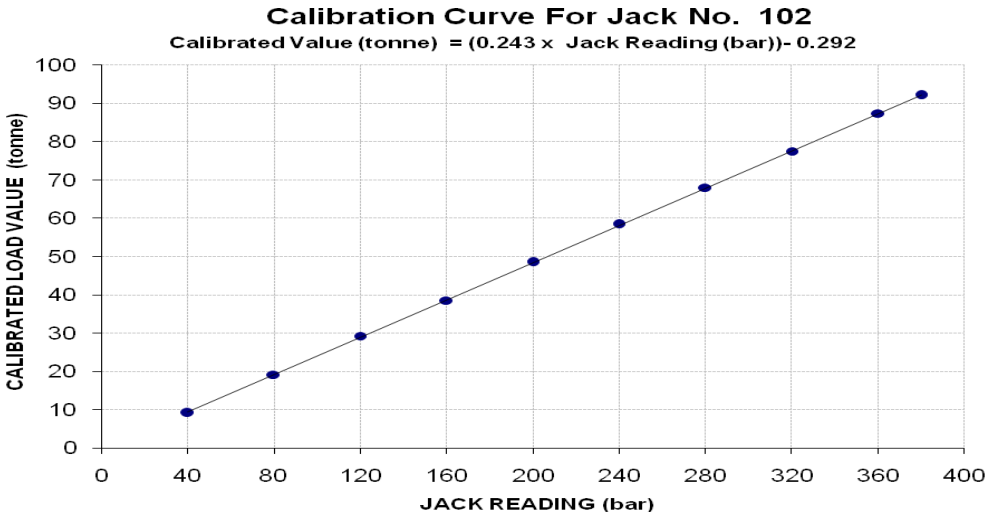
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/12/6232)** (Page -1/1)

Reference to your Letter No. L24/12-11738, dated: 26/12/2024 on the subject cited above. One Hydraulic Jack (Jack No. 102, Gauge No. SF-102) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 380 (bar)

Hydraulic Jack Reading (bar)		40	80	120	160	200	240	280	320	360	380
Calibrated Load	**(kg)**	9200	19200	29200	38500	48500	58400	68000	77500	87400	92100
	(tonne)	9.20	19.20	29.20	38.50	48.50	58.40	68.00	77.50	87.40	92.10
Calibrated Pressure (bar)		39	81	123	163	205	247	287	328	369	389

The Ram Area of Jack = 232 cm^2



To,

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Resident Engineer
NESPAK – TurkPak Jv
Establishment of 200 Bedded Mother and Child Hospital Nursing College at District Bahawalnagar.

Reference # CED/TFL **6259** (Dr. Asad Ali) Dated: 31-12-2024
Reference of the request letter # 4460/13/MIA/04/436 Dated: 30-12-2024

Tension Test Report (Page -1/1)

Date of Test 31-12-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		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	0.416	10	10.02	0.12	0.122	3940	5630	72384	71010	103432	101500	1.10	13.8	SGI Steel
2	0.418	10	10.05	0.12	0.123	3980	5660	73119	71410	103984	101600	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

Witness by Ishtiaq Ahmed (ARE Civil NESPAK)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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