

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/06/1554

Dated: 16-06-2022

Dated of Test: <u>11-06-2022</u>

То

Resident Engineer NESPAK Rehabilitation and Widening of IJP Road Faizabad to N-5 Islamabad

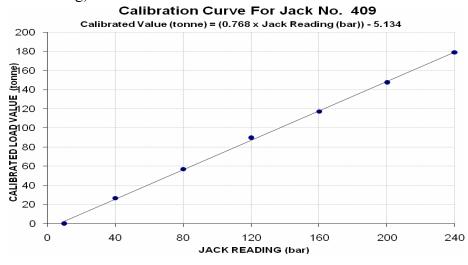
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/1554) (Page -1/2)

Reference to your Letter No. 400455/103/MKI/233, dated: 11/06/2022 on the subject cited above. One Hydraulic Jack (Jack No. 409, Gauge No. SF-409) as received by us has been calibrated. The results are tabulated as under:

Total Range :	Zero -	1000 (bar)
Calibrated Range :	Zero -	260 (bar)

Hydraulic Jack Reading (bar)			40	80	120	160	200	240	260
Calibrated Load	(kg)	0	26800	57200	89600	117400	147400	179200	194600
Calibrated Load	(Tonne)	0	26.80	57.20	89.60	117.40	147.40	179.20	194.60
Calibrated Pressure (bar)			35.81	76.43	119.72	156.86	196.95	239.44	260.01

(1 Tonne = 1000 kg) The Ram Area of Jack = 733.975 cm²



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



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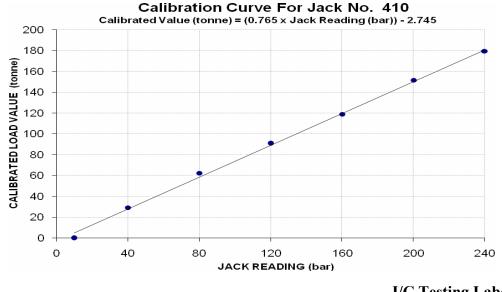
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/1554) (Page -2/2)

Reference to your Letter No. 400455/103/MKI/233, dated: 11/06/2022 on the subject cited above. One Hydraulic Jack (Jack No. 410, Gauge No. SF-410) as received by us has been calibrated. The results are tabulated as under:

Total Range :	Zero -	1000 (bar)
Calibrated Range :	Zero -	260 (bar)

Hydraulic Jack Reading (bar)			40	80	120	160	200	240	260
Calibrated Load	(kg)	0	29200	62400	90800	119000	151600	179600	194800
	(Tonne)	0	29.20	62.40	90.80	119.00	151.60	179.60	194.80
Calibrated Pressure (bar)			39.02	83.38	121.32	159.00	202.56	239.97	260.28

(1 Tonne = 1000 kg) The Ram Area of Jack = 733.975 cm²



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To,

M/S Tariq Khetran Constrtion Campany

(Construction of Fabrication, Erection and Installation of 200ft Self Supported TV Tower at RBS-Barkhan Baluchistan

Reference # CED/TFL <u>**1563** (Dr. Irfan ul Hussan)</u> Reference of the request letter # Nil

Dated: 17-06-2022 Dated: 17-06-2022

Tension Test Report (Page – 1/1)

Date of Test Gauge length Description 20-06-2022 2 inches Angle Iron Steel Strip Tensile Test

Sr. No.	Designation	(mm) Size of Strip	X Section Area	(kN)	(kN) (VA)	Yield Stress	Ultimate Stress	(ii) Elongation	% Elongation	Remarks		
1	Angle Iron	24.30x4.90	119.07	48.70	55.70	409	468	0.70	35.00			
2	Angle Iron	24.40x12.60	307.44	98.50	159.00	320	517	0.70	35.00			
3	Angle Iron	24.80x16.60	411.68	156.00	232.00	379	564	0.80	40.00			
-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-			
			Only T	hree Samp	les for Tei	nsile Test						
Bend Test												

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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To, Admin Manager Sunrays Textile Mills Ltd Muzaffargarh

Reference # CED/TFL <u>**1569** (Dr. Irfan ul Hussan)</u> Reference of the request letter # Nil Dated: 20-06-2022 Dated: 18-06-2022

Tension Test Report (Page -1/1)Date of Test20-06-2022Gauge length8 inchesDescriptionDeformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)						Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R				
1	0.417	10	10.04	0.12	0.123	4080	5200	74956	73310	95533	93500	1.10	13.8	I				
2	0.415	10	10.01	0.12	0.122	4450	5500	81754	80370	101044	99400	1.10	13.8	Mughal Steel				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Σ S				
-	-	-	-	-	-	-	-	-	-	-	-	-	-					
-	-	-	-	-	-	-	-	-	-	-	-	-	-					
-	-	-	-	-	-	-	-	-	-	-	-	-	-					
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test							
							Bend T	est										
10r	nm Bar I	Bend T	est Thro	ough 18	0° is Sa	tisfactory												

I/C Testing Laboratoires UET Lahore, Pakistan.

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To, Admin Manager Sunrays Textile Mills Ltd Muzaffargarh

Reference # CED/TFL <u>1570 (Dr. Irfan ul Hussan)</u> Reference of the request letter # Nil Dated: 20-06-2022 Dated: 18-06-2022

Tension Test Report (Page -1/1)Date of Test20-06-2022Gauge length8 inchesDescriptionDeformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)						Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re				
1	0.421	10	10.08	0.12	0.124	4640	5560	85245	82740	102146	99200	0.80	10.0	я				
2	0.419	10	10.06	0.12	0.123	4590	5400	84326	82170	99207	96700	0.90	11.3	Naveena Steel				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Na				
-	-	-	-	-	-	-	-	-	-	-	-	-	-					
-	-	-	-	-	-	-	-	-	-	-	-	-	-					
-	-	-	-	-	-	-	-	-	-	-	-	-	-					
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	est			·				
							Bend T	est										
10r	nm Bar	Bend T	est Thro	ough 18	0° is Sa	tisfactory												

I/C Testing Laboratoires UET Lahore, Pakistan.

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