

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

Ref: CED/TFL/11/34206

Dated: 20-11-19

Dated of Test: 27-11-19

To Resident Engineer NESPAK – Zeeruk jv (China Pakistan Economic Corridor (CPEC) Western Route Hakla (on M1) to D.I. Khan Motorway – Rehmain Khel to Kot Balian - Package IIA)

Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/11/34206) (Page -1/2)

Reference to your Letter No. RE/NESPAK/P-2A/CPEC-WR/1007, Dated: 18/11/2019 on the subject cited above. One Hydraulic Jack (Jack No 1501, Gauge No. AES-1501) as received by us has been calibrated. The results are tabulated as under:

Total Range :	Zero -	600 (bar)
Calibrated Range :	Zero -	300 (bar)

Hydraulic Jack Re	60	120	180	240	300	
Calibrated Lood	(kg)	20300	40300	60100	78800	98300
Calibrated Load	Tonne	20.30	40.30	60.10	78.80	98.30
Calibrated Pressu	62.62	124.31	185.39	243.08	303.23	

1 Tonne = 1000 kg, The Ram Area of Jack = 317.92 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



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Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/11/34206) (Page -2/2)

Reference to your Letter No. RE/NESPAK/P-2A/CPEC-WR/1007, Dated: 18/11/2019 on the subject cited above. One Hydraulic Jack (Jack No 1502, Gauge No. AES-1502) as received by us has been calibrated. The results are tabulated as under:

Tot Cal	al Range ibrated Rang	: ;e :	Zero - Zero -	61 30	00 (bar) 00 (bar)		
Hyd	raulic Jack Re	eading (bar)	60	120	180	240	300
Calibrated Load (kg)			26200	47000	66800	86600	106200
Calli	Jaleu Luau	Tonne	26.20	47.00	66.80	86.60	106.20
Calil	orated Pressu	re (bar)	80.82	144.98	206.06	267.14	327.60
1 1011	Cali	alibration Cul brated Value (tonn	rve For e) = (0.332	Jack N	o. AES ´ eading (bar)	1 502)) + 6.68	
	110						
)e	90						
(tonr	80						
LUE	70						
d V d	60						
ГОР	50						
TED	40						
BRA	30	•					
CAL	20						

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80

120

160

JACK READING (bar)

200

240

280

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To, Depuyt CRE Zeeruk International (Pvt) Ltd Lahore Sialkot Motorway Project (759 CTE – FWO – LSMP)(M/s Munir Industries Lahore)

Reference # CED/TFL 34210 (Dr. Safeer Abbas)	Dated: 22-11-2019
Reference of the request letter # LSM/RE-II/St/19/722	Dated: 22-11-2019

Tension Test Report (Page – 1/1)

Date of Test27-11-2019Gauge length2 inchesDescriptionW-Beam Steel Strip Tensile Test

Sr. No.	Designation	(cm)	X Section Area	(kg)	Breaking Load	Xield Stress (kg/cm ²)	Oltimate Stress	Elongation (ui)	% Elongation	Remarks
1		2.37x0.275	0.65	2600	3200	3989.26	4909.86	0.60	30.00	le
2	- W-Beam	2.29x0.275	0.63	2400	3100	3811.04	4922.59	0.70	35.00	Samp No. 1
3	3 W-Beam	2.29x0.275	0.63	2400	3100	3811.04	4922.59	0.70	35.00	ple 2
4		2.29x0.275	0.63	2400	3100	3811.04	4922.59	0.60	30.00	Sam No. 2
5	W Boom	2.36x0.275	0.65	2500	3200	3852.08	4930.66	0.60	30.00	ıple 3
6	w-деаш	2.36x0.275	0.65	2500	3200	3852.08	4930.66	0.70	35.00	Sam No. 3
			Only S	Six Sample	s for Tens	ile Test				
Bend Test										

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To, Additional Director Development DHA Phase-XI (Rahbar Construction of DHA Girls School at Block-'B' Sector-I, DHA Phase-XI (Rahbar)

Reference # CED/TFL 34222 (Dr. M Rizwan Riaz)	Dated: 27-11-2019
Reference of the request letter # 700/3/Girls School/Ph-XI/Projs/3299	Dated: 25-11-2019

Tension Test Report (Page -1/1)

Date of Test27-11-2019Gauge length8 inchesDescriptionDeformed Steel Bar Tensile and Bend Test as per ASTM-A615

jr. No.	Weight	Diamete Size (inch)	Diameter/ Size (inch)		rea n ²)	Yield load	Breaking Load	Yield (p	Stress si)	Ultimat (p	e Stress si)	Elongation	longation	emarks
	(llbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.347	3	0.361	0.11	0.102	2900	4500	58200	62600	90200	97200	1.30	16.3	_
2	0.359	3	0.367	0.11	0.106	3000	4500	60200	62670	90200	94000	1.40	17.5	Stee
-	-	I	-	I	-	-	-	-	-	-	-	-	-	Agha
-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
-	•	·	-	·	-	•	-	-	-	-	-	-	-	
-	-	I	-	I	-	-	-	-	-	-	-	-	-	
		ſ	N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1		
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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