

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

To,

M/S Best Builders Lahore

(Construction of New TCF Secondary School Building in Kohrian Village Lahore)

Reference # CED/TFL <u>3066 (Dr. M Kashif)</u> Reference of the request letter # Nil Dated: 07-04-2023 Dated: 07-04-2023

.

Date of Test 12-04-2023 Gauge length 8 inches

Tension Test Report

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

(Page -1/2)

Sr. No.	Weight	Diam Si	neter/ ze	Aı (iı		Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks	
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R	
1															
2	To the second se														
-															
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			No	ote: onl	y two s	amples f	or tensile	and one	sample f	or bend	test	I			
							D 17								
#2	Dan Dan	d Tost	Γh.mayyalı	1000:	Catiafa	at a wy y	Bend T	est							
#3	Bar Ben	u rest	mougn	1 100 18	Sausia	сюгу									

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

M/S Best Builders Lahore

(Construction of New TCF Secondary School Building in Chak # 236 Faisalabad)

Reference # CED/TFL <u>3066 (Dr. M Kashif)</u> Reference of the request letter # Nil Dated: 07-04-2023 Dated: 07-04-2023

Tension Test Report (Page -2/2)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

1 0.380 3 0.377 0.11 0.112 3600 5300 72200 71030 106200 104600 1.20 15 2 0.381 3 0.378 0.11 0.112 3600 5300 72200 70780 106200 104200 1.20 15	Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks	
2 0.381 3 0.378 0.11 0.112 3600 5300 72200 70780 106200 104200 1.20 15 - <th>S</th> <th>(lbs/ft)</th> <th>Nominal (#)</th> <th>Actual (inch)</th> <th>Nominal</th> <th>Actual</th> <th>(kg)</th> <th>(kg)</th> <th>Nominal</th> <th>Actual</th> <th>Nominal</th> <th>Actual</th> <th>(inch)</th> <th>% E</th> <th>Re</th>	S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re	
	1															
	2	 														
	-															
	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Note: only two samples for tensile and one sample for bend test	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			ı	No	ote: on	ly two s	amples f	or tensile	and one	sample f	for bend	test		ı		
Bend Test #3 Bar Bend Test Through 180° is Satisfactory	#3	Bar Ben	d Test	Through	180° is	Satisfa	ectory	Bend T	est							

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

M/S High Q Constructions Lahore (Construction of High-Q Mall at 3-A, Gulberg II, Lahore)

Reference # CED/TFL <u>3068 (Dr. M Kashif)</u>

Reference of the request letter # QC/HQ/CIVIL/69

Dated: 10-04-2023

Dated: 20-02-2023

Tension Test Report (Page -1/2)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Si	neter/ ze m)		rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks	
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	E %	R	
1	0.411 10 9.96 0.12 0.121 3800 5100 69812 69350 93696 93100 1.30 16.3 0.412 10 9.97 0.12 0.121 3600 5000 66138 65580 91858 91100 1.40 17.5														
2															
-	 														
-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend 1	test	ı		1	
					4 400: 1		Bend T	est							
101	nm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	etory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

M/S High Q Constructions Lahore (Construction of High-Q Mall at 3-A, Gulberg II, Lahore)

Reference # CED/TFL <u>3068 (Dr. M Kashif)</u>
Reference of the request letter # QC/HQ/CIVIL/86

Tension Test Report (Page -2/2)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Si	neter/ ize um)		rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks	
6 2	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R	
1	0.377 10 9.54 0.12 0.111 3700 4800 67975 73570 88184 95500 1.30 16.3 0.376 10 9.53 0.12 0.111 3600 4800 66138 71710 88184 95700 1.60 20.0														
2															
-	 														
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test				
							Bend T	est							
10r	nm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 10-04-2023

Dated: 25-03-2023

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

To,

XEN GE (Air) Lahore

"Construction of Swimming Pool in PAF Officers Colony at PAF Base Lahore"

Reference # CED/TFL **3069** (Dr. M Kashif)

Reference of the request letter # 6800/16/E6

Dated: 10-04-2023

Dated: 14-02-2023

Tension Test Report (Page -1/1)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Si	neter/ ize ch)		rea 1 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	0.369	3/8	0.371	0.11	0.108	3300	5100	66200	67140	102200	103800	1.20	15.0	
-	-	-	-	-	-	-	_	-	-	-	-	-	1	
-														
-	-	-	-	1	-	-	-	ı	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			1		No	te: only o	ne samp	le for ten	sile test	Π	Γ			
							Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

M/S Sinaco Engineers (Pvt) Limited

Lahore

(Construction of National Foods Galaxy Project at FIEDMC, Sahiamnwala, Faisalabad)

Reference # CED/TFL <u>3070 (Dr. M Kashif)</u> Reference of the request letter # 0157-2023

Tension Test Report (Page -1/2)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks	
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re	
1	0.374	3	0.374	0.11	0.110	3200	4900	64200	64230	98200	98400	1.20	15.0	aq el	
2	0.374 3 0.374 0.11 0.110 3200 4900 64200 64230 98200 98400 1.20 15.0 3 0.371 3 0.373 0.11 0.109 3300 4800 66200 66740 96200 97100 1.30 16.3 3														
-															
-	-	-	-	-	-	-	_	-	-	-	-	-	-		
-	-	-	-	-	-	-	_	-	-	-	-	-	-		
-	-	-	-	-	-	-	_	-	-	-	-	-	-		
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test				
							Bend T	est est							
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory									

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 10-04-2023

Dated: 07-04-2023

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

To,

M/S Muhammad Rafique Associates Lahore

Reference # CED/TFL <u>3078 (Dr. M Kashif)</u>

Reference of the request letter # Nil

Dated: 11-04-2023

Dated: 11-04-2023

Tension Test Report (Page -1/1)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.365	3	0.370	0.11	0.107	3500	4500	70200	71830	90200	92400	1.10	13.8	
2	0.365	3	0.370	0.11	0.107	3400	4500	68200	69800	90200	92400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1		
112	Dan Dan	170 45	F1 1	1000:			Bend T	est						

#3 Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires UET Lahore, Pakistan.

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

Ref: <u>CED/TFL/04/3079</u> Dated: <u>11-04-2023</u>

Dated of Test: 12-04-2023

To,

Project Manager Niaz Arbaaz (Pvt) Ltd

Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/3079) (Page -1/1)

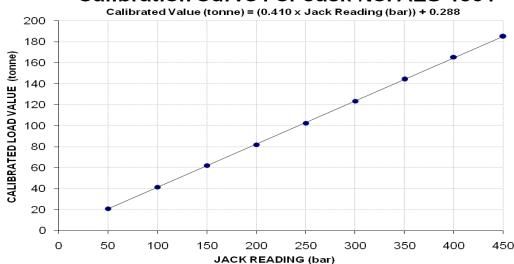
Reference to your Letter No. Nil, Dated: 11/04/2023 on the subject cited above. One Hydraulic Jack (Jack No 1501, Gauge No. AES-1501) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 600 (bar) Calibrated Range : Zero - 400 (bar)

Hydraulic Jack Re (bar)	eading	50	100	150	200	250	300	350	400	450
Calibrated Load	(kg)	21000	41600	62200	82000	102400	123400	144200	165400	185000
Calibrated Load	Tonne	21.00	41.60	62.20	82.00	102.40	123.40	144.20	165.40	185.00
Calibrated Pressu	re (bar)	51.71	102.44	153.17	201.93	252.17	303.88	355.10	407.31	455.58

1 Tonne = 1000 kg, The Ram Area of Jack = 398.24 cm^2

Calibration Curve For Jack No. AES 1501



I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

M/S Riaz Construction Company

Lahore

(Construction of New TCF Secondary School Building in Anwar Tata Khanpur Bagga Sher Muzaffargarh)

Reference # CED/TFL <u>3080 (Dr. M Kashif)</u>
Reference of the request letter # Nil

Dated: 11-04-2023 Dated: 07-04-2023

Tension Test Report (Page -1/1)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Dian Si	ieter/ ze		ea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks	
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R	
1	1 0.382 3 0.378 0.11 0.112 3500 5100 70200 68630 102200 100000 1.00 12.5 														
-															
-															
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			N	ote: on	ly one s	amples f	or tensile	and one	sample f	or bend t	test	ı			
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ectory	Bend T	est							

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

Sub Divisional Officer

Buildings Sub Division No. 15

Lahore

(Construction of Bachelor Accommodation and Judicial Rest House at Dharampura,

District Lahore)

Reference # CED/TFL **3082** (Dr. M Kashif)

Reference of the request letter # 3045

Dated: 11-04-2023 Dated: 11-04-2023

Tension Test Report (Page -1/2)

Date of Test 12-04-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks	
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	E %	R	
1	0.385	3	0.380	0.11	0.113	3100	4600	62200	60320	92200	89600	1.60	20.0		
2															
-	2 0.372 3 0.373 0.11 0.109 3300 4800 66200 66520 96200 96800 1.00 12.5 - - - - - - - - - - - - -														
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test				
							Bend T	est							
#3	Bar Ben	d Test	Γhrough	n 180° is	s Satisfa	ctory									

I/C Testing Laboratoires UET Lahore, Pakistan.

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

Ref: CED/TFL/04/3083 Dated: 11-04-2023

Dated: 12-04-2023

To

M/S China Gezhouba Group Company Limited CGGC Dasu Hydropower Project Management in Pakistan

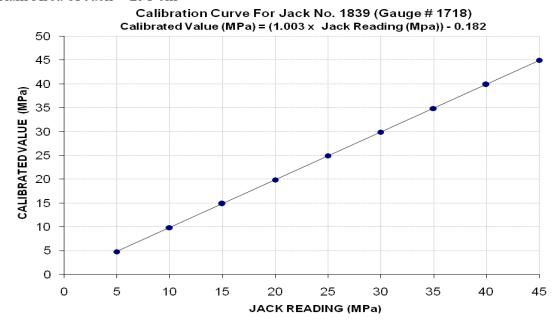
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/3083) (Page -1/6)

Reference to your Letter No. Nil, dated: 11/04/2023 on the subject cited above. One Hydraulic Jack (Jack No. 1839, Gauge No. 1718) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa) Calibrated Range : Zero - 45 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40	45
Calibrated Load (kg)	14600	30000	45200	60400	75800	90800	106000	121200	136800
Calibrated Pressure (Mpa)	4.80	9.87	14.88	19.88	24.95	29.88	34.88	39.89	45.02

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

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

Ref: CED/TFL/04/3083 Dated: 11-04-2023

Dated: 12-04-2023

To

M/S China Gezhouba Group Company Limited CGGC Dasu Hydropower Project Management in Pakistan

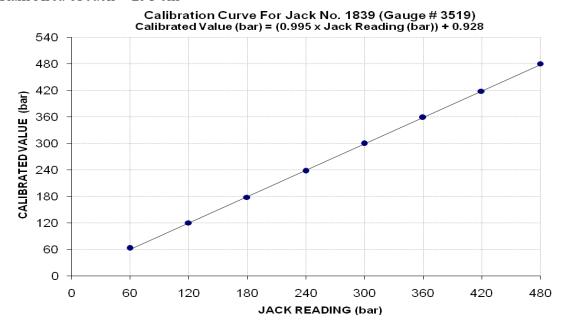
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/3083) (Page -2/6)

Reference to your Letter No. Nil, dated: 11/04/2023 on the subject cited above. One Hydraulic Jack (Jack No. 1839, Gauge No. 3519) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 600 (bar) Calibrated Range : Zero - 480 (bar)

Hydraulic Jack Reading (bar)	60	120	180	240	300	360	420	480
Calibrated Load (kg)	19200	36600	54100	72200	91100	109100	127100	146000
Calibrated Pressure (bar)	63.19	120.45	178.04	237.61	299.80	359.04	418.28	480.48

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

- 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
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Ref: CED/TFL/04/3083 Dated: 11-04-2023

Dated: 12-04-2023

To

M/S China Gezhouba Group Company Limited CGGC Dasu Hydropower Project Management in Pakistan

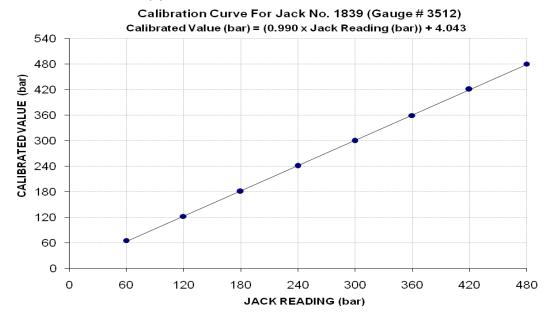
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/3083) (Page -3/6)

Reference to your Letter No. Nil, dated: 11/04/2023 on the subject cited above. One Hydraulic Jack (Jack No. 1839, Gauge No. 3512) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 600 (bar) Calibrated Range : Zero - 480 (bar)

Hydraulic Jack Reading (bar)	60	120	180	240	300	360	420	480
Calibrated Load (kg)	20000	37200	55000	73200	91200	109200	128000	146000
Calibrated Pressure (bar)	65.82	122,42	181.00	240.90	300.13	359.37	421.24	480.48

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

- 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
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Ref: CED/TFL/04/3083 Dated: 11-04-2023

Dated: 12-04-2023

To

M/S China Gezhouba Group Company Limited CGGC Dasu Hydropower Project Management in Pakistan

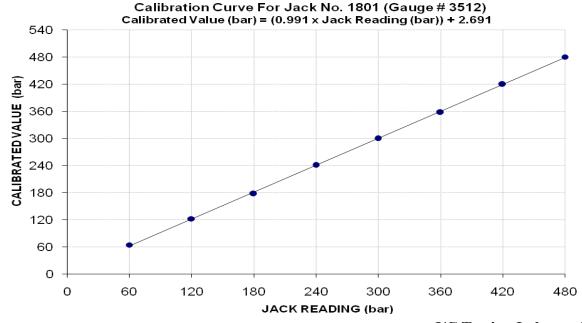
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/3083) (Page -4/6)

Reference to your Letter No. Nil, dated: 11/04/2023 on the subject cited above. One Hydraulic Jack (Jack No. 1801, Gauge No. 3512) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 600 (bar) Calibrated Range : Zero - 480 (bar)

Hydraulic Jack Reading (bar)	60	120	180	240	300	360	420	480
Calibrated Load (kg)	19600	37200	54000	73200	91200	108700	127600	146000
Calibrated Pressure (bar)	64.50	122.42	177.71	240.90	300.13	357.73	419.92	480.48

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

Ref: CED/TFL/04/3083 Dated: 11-04-2023

Dated: 12-04-2023

To

M/S China Gezhouba Group Company Limited CGGC Dasu Hydropower Project Management in Pakistan

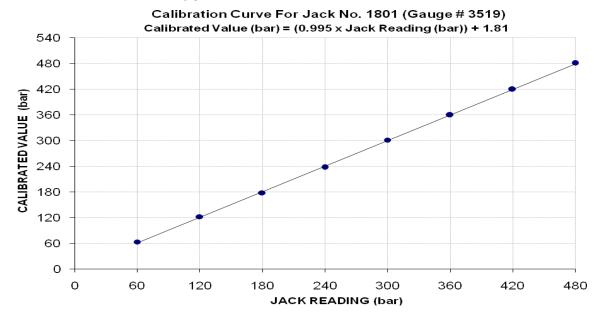
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/3083) (Page -5/6)

Reference to your Letter No. Nil, dated: 11/04/2023 on the subject cited above. One Hydraulic Jack (Jack No. 1801, Gauge No. 3519) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 600 (bar) Calibrated Range : Zero - 480 (bar)

Hydraulic Jack Reading (bar)	60	120	180	240	300	360	420	480
Calibrated Load (kg)	19400	37200	54200	72200	91600	109400	127600	146200
Calibrated Pressure (bar)	63.84	122.42	178.37	237.61	301.45	360.03	419.92	481.14

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

- 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
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Ref: CED/TFL/04/3083 Dated: 11-04-2023

Dated: 12-04-2023

To

M/S China Gezhouba Group Company Limited CGGC Dasu Hydropower Project Management in Pakistan

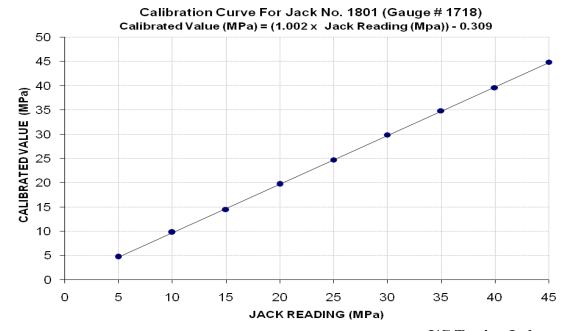
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/3083) (Page -6/6)

Reference to your Letter No. Nil, dated: 11/04/2023 on the subject cited above. One Hydraulic Jack (Jack No. 1801, Gauge No. 1718) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa) Calibrated Range : Zero - 45 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40	45
Calibrated Load (kg)	14400	29800	44200	60000	75200	90800	106000	120400	136400
Calibrated Pressure (Mpa)	4.74	9.81	14.55	19.75	24.75	29.88	34.88	39.62	44.89

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

- 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