STRUCTURAL ENGINEERING DIVISION

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

To,

Manager Civil
Nishat Mills Limited
Dyeing & Finishing Plant, Lahore
"Construction of Fabric Godown Extension Unit 35"

Reference # CED/TFL **3497** (Dr. Usman Akmal) Dated: 20-06-2023
Reference of the request letter # NDF/FGST/005 Dated: 19-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023P

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	0.422	10	10.10	0.12	0.124	4000	5500	73487	71000	101044	97700	1.40	17.5	Sheikhoo Steel
2	0.423	10	10.11	0.12	0.124	3900	5500	71650	69120	101044	97500	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

10mm Dia Bar Bend Test Through 180º is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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

.To,

Project Manager
Guarantee Engineers (Pvt) Ltd
Construction Hyundai Residential Project at FIEDMC, M3 Industrial Estate Faisalabad

Reference # CED/TFL **3498** (Dr. M Kashif) Dated: 20-06-2023
Reference of the request letter # HNH/GE/ST/015 Dated: 13-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023
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	0.375	10	9.52	0.12	0.110	3500	5400	64301	69930	99207	107900	1.30	16.3	
2	0.372	10	9.48	0.12	0.109	3200	5300	58789	64510	97370	106900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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

To,

Senior Project Manager
Shifa Development Services Pvt Ltd
Under Construction Site of Shifa National Hospital
Opposite Al-Qadir Garden, Lahore Sheikhupura Road, Faisalabad

Reference # CED/TFL **3501** (Dr. M Kashif) Dated: 20-06-2023
Reference of the request letter # SNHF/SDS/ST/17 Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		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	0.381	3/8	0.377	0.11	0.112	3400	5100	68200	66970	102200	100500	1.30	16.3	SGI
2	0.374	3/8	0.374	0.11	0.110	3000	5000	60200	60160	100200	100300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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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

To,

Chairman
Eagle Developers
Project of City Galleria Gujranwala.

Reference # CED/TFL **3507** (Dr. M Kashif) Dated: 20-06-2023
Reference of the request letter # Nil Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.400	3	0.387	0.11	0.118	3500	4900	70200	65590	98200	91900	1.10	13.8	
2	0.402	3	0.388	0.11	0.118	3700	5000	74200	69050	100200	93400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

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

To,

M/S Goraya Builders

Reference # CED/TFL **3508** (Dr. M Kashif) Dated: 20-06-2023
Reference of the request letter # Nil Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	3	0.374	0.11	0.110	3000	5000	60200	60060	100200	100100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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

To,

M/S Zikria Construction Company
Lahore
(Construction of Beaconhouse School Campus D Block Gulberg Green Islamabad)

Reference # CED/TFL **3509** (Dr. M Kashif) Dated: 20-06-2023
Reference of the request letter # Nil Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.384	3	0.379	0.11	0.113	3200	5000	64200	62560	100200	97800	1.50	18.8	
2	0.381	3	0.377	0.11	0.112	3400	5000	68200	66980	100200	98500	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

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

To,

Engineer Representative
Osmani & Company (Pvt) Ltd
Construction of Greenfield Aerodrome for General Aviation Activities at Muridke

Reference # CED/TFL **3510** (Dr. M Kashif) Dated: 20-06-2023
Reference of the request letter # OCL/CAA/MAD-ER/01-2K23/24 Dated: 18-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.392	3	0.383	0.11	0.115	2900	4600	58200	55470	92200	88000	1.60	20.0	Prime Supreme Steel
2	0.401	3	0.388	0.11	0.118	2900	4700	58200	54190	94200	87900	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

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/06/3511, 3521 Dated: 20-06-2023

Dated: 21-06-2023

To

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

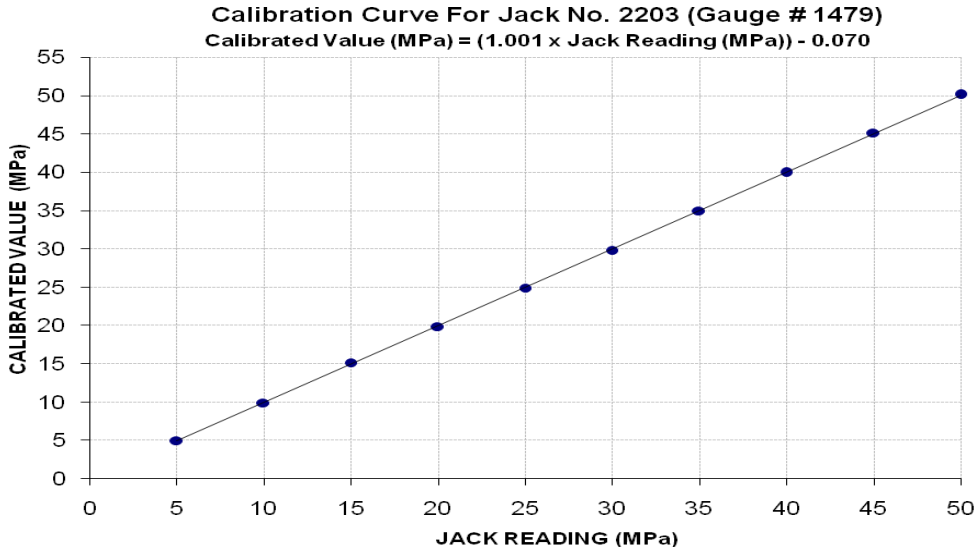
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3511)** (Page -1/7)

Reference to your Letter No. Nil, dated: 20/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 2203, Gauge No. 1479) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40	45	50
Calibrated Load (kg)	15200	30200	46000	60400	75600	90600	106200	121400	137200	152200
Calibrated Pressure (Mpa)	5.00	9.94	15.14	19.88	24.88	29.82	34.95	39.95	45.15	50.09

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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/06/3511, 3521 Dated: 20-06-2023

Dated: 21-06-2023

To

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

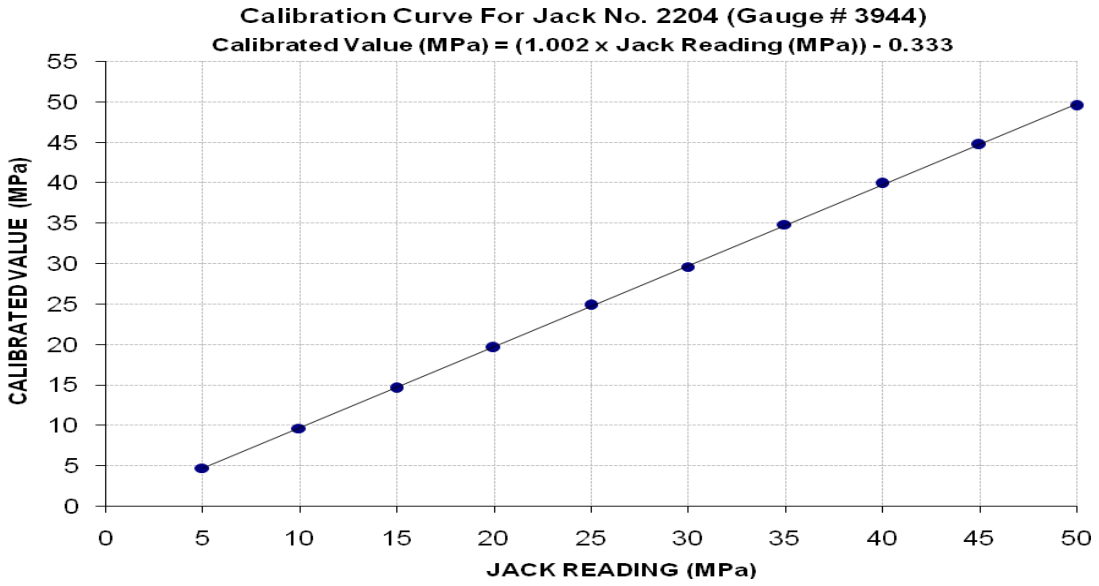
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3511)** (Page -2/7)

Reference to your Letter No. Nil, dated: 20/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 2204, Gauge No. 3944) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40	45	50
Calibrated Load (kg)	14400	29200	44400	59600	75600	90000	106000	121400	136000	150600
Calibrated Pressure (Mpa)	4.74	9.61	14.61	19.61	24.88	29.62	34.88	39.95	44.76	49.56

The Ram Area of Jack = 298 cm^2



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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/06/3511, 3521 Dated: 20-06-2023

Dated: 21-06-2023

To

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

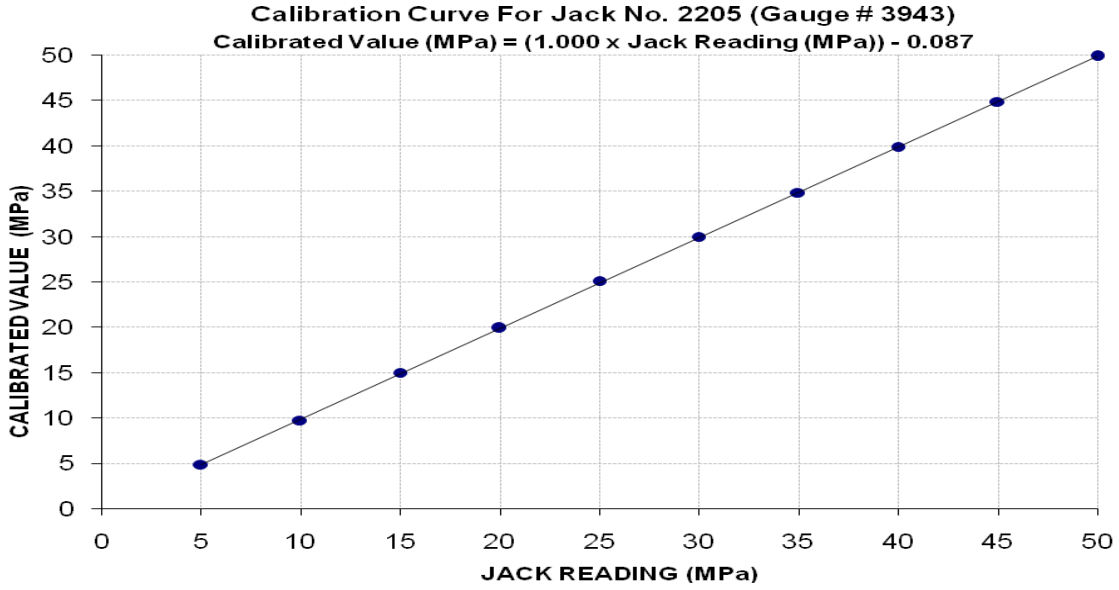
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3511)** (Page -3/7)

Reference to your Letter No. Nil, dated: 20/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 2205, Gauge No. 3943) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40	45	50
Calibrated Load (kg)	14800	29600	45600	60600	76400	91200	106000	121400	136400	151600
Calibrated Pressure (Mpa)	4.87	9.74	15.01	19.94	25.14	30.01	34.88	39.95	44.89	49.89

The Ram Area of Jack = 298 cm^2



I/C Testing Laboratoires
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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/06/3511, 3521 Dated: 20-06-2023

Dated: 21-06-2023

To

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

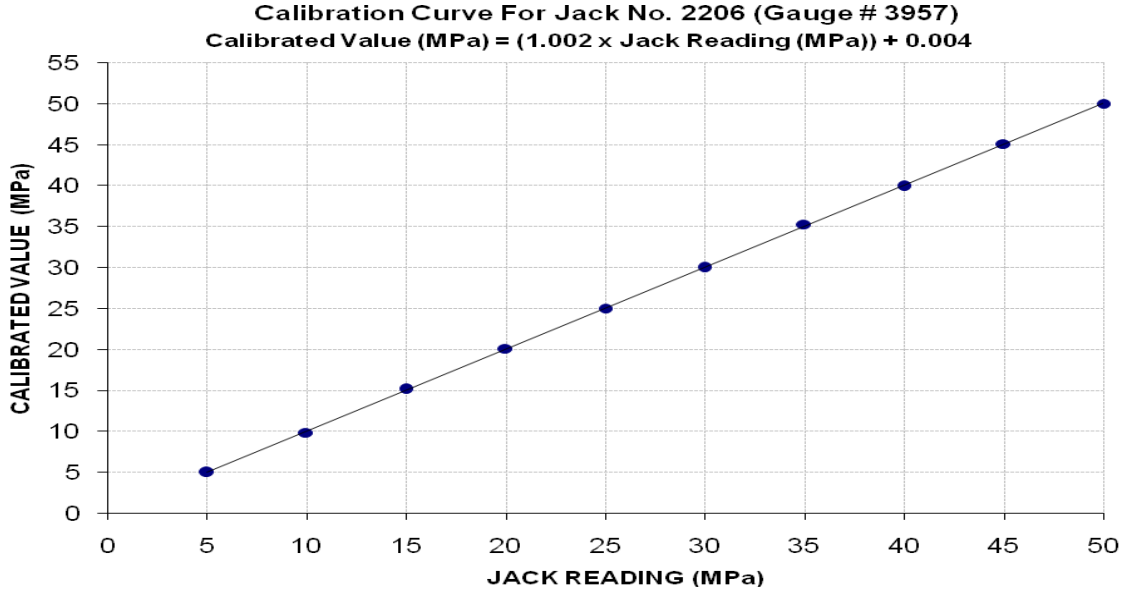
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3511)** (Page -4/7)

Reference to your Letter No. Nil, dated: 20/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 2206, Gauge No. 3957) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40	45	50
Calibrated Load (kg)	15200	30000	46000	61200	76000	91200	107200	121400	137200	152000
Calibrated Pressure (Mpa)	5.00	9.87	15.14	20.14	25.01	30.01	35.28	39.95	45.15	50.02

The Ram Area of Jack = 298 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/06/3511, 3521 Dated: 20-06-2023

Dated: 21-06-2023

To

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

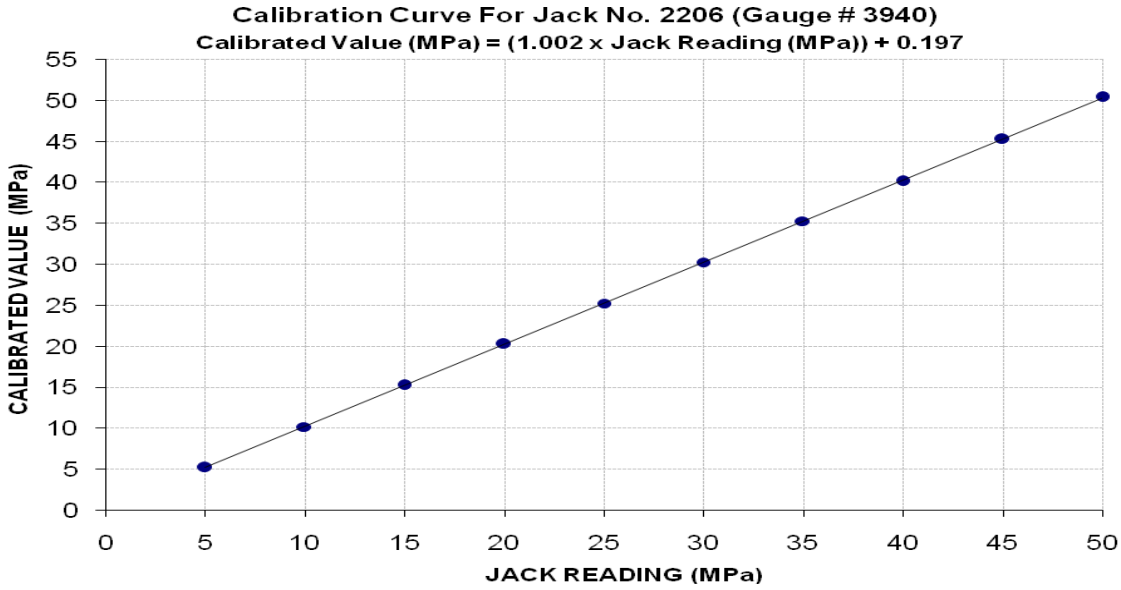
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3511)** (Page -5/7)

Reference to your Letter No. Nil, dated: 20/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 2206, Gauge No. 3940) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40	45	50
Calibrated Load (kg)	15800	31000	46400	61600	76800	92000	107200	122000	137600	153200
Calibrated Pressure (Mpa)	5.20	10.20	15.27	20.27	25.27	30.28	35.28	40.15	45.28	50.42

The Ram Area of Jack = 298 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/06/3511, 3521 Dated: 20-06-2023

Dated: 21-06-2023

To

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

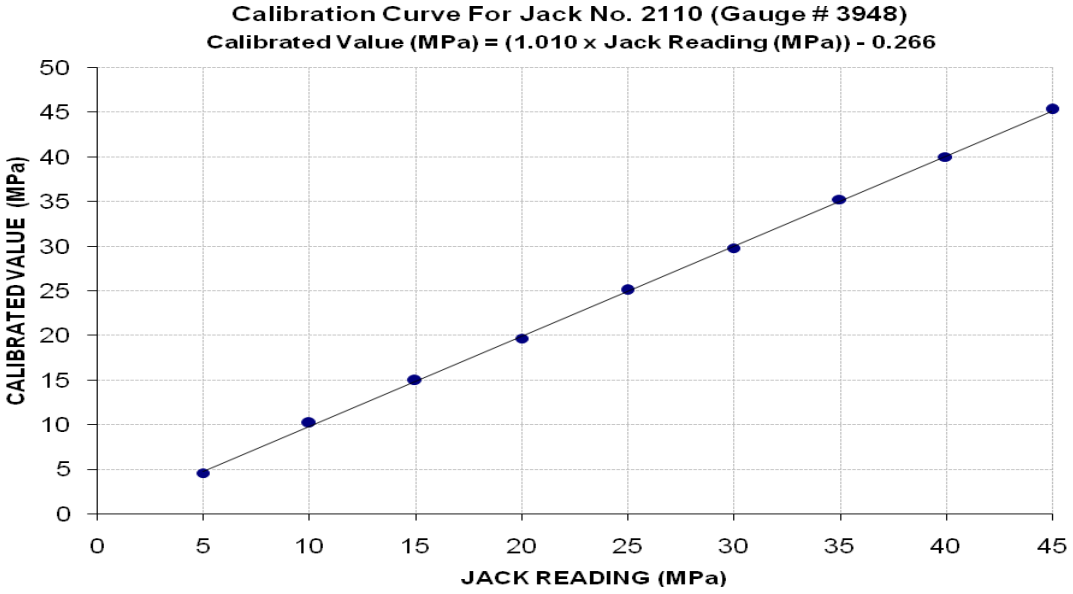
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3511)** (Page -6/7)

Reference to your Letter No. Nil, dated: 20/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 2110, Gauge No. 3948) 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)	2400	5300	7800	10250	13050	15500	18350	20850	23600
Calibrated Pressure (Mpa)	4.61	10.18	14.98	19.69	25.07	29.78	35.25	40.05	45.34

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/06/3511, 3521 Dated: 20-06-2023

Dated: 21-06-2023

To

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

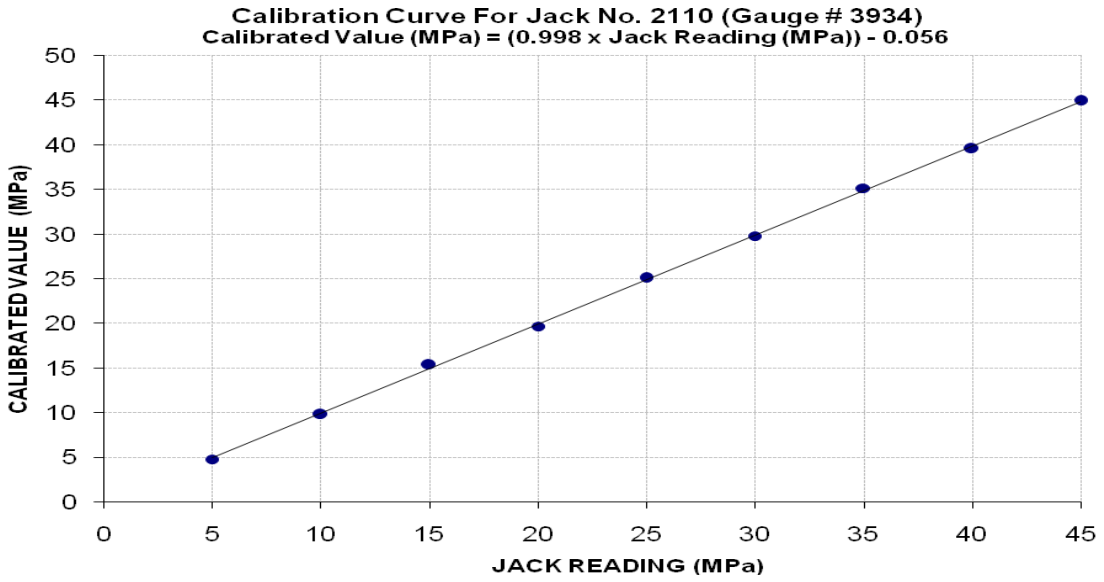
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3511)** (Page -7/7)

Reference to your Letter No. Nil, dated: 20/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 2110, Gauge No. 3934) 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)	2500	5100	8000	10250	13050	15500	18300	20600	23400
Calibrated Pressure (Mpa)	4.80	9.80	15.37	19.69	25.07	29.78	35.16	39.57	44.95

The Ram Area of Jack = 51.05 cm^2



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

To,

M/S M. Saleem Construction Company
Sheikhupura
(Extension (Goods Store) Dyeing Unit.)

Reference # CED/TFL **3512** (Dr. Ali Ahmed) Dated: 21-06-2023
Reference of the request letter # Nil Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.373	3	0.373	0.11	0.110	3400	4900	68200	68410	98200	98600	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

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

To,

Chief Technical Officer
Sheikhoo Sugar Mills (Steel Division)
Anwar Abad Kot Addu, Muzaffargarh

Reference # CED/TFL **3515** (Dr. Ali Ahmed) Dated: 21-06-2023
Reference of the request letter #Nil Dated: 20-06-2023

Tension Test Report (Page -1/2)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.372	0.11	0.108	3200	4900	64200	65020	98200	99600	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

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

To,

Chief Technical Officer
Sheikhoo Sugar Mills (Steel Division)
Anwar Abad Kot Addu, Muzaffargarh

Reference # CED/TFL **3515** (Dr. Ali Ahmed) Dated: 21-06-2023
Reference of the request letter #Nil Dated: 20-06-2023

Tension Test Report (Page -2/2)

Date of Test 21-06-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	4.221	32	31.93	1.25	1.241	39400	53800	69489	69990	94886	95600	1.60	20.0	
2	5.329	36	35.87	1.58	1.566	46800	66800	65301	65850	93207	94000	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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