To,

Project Manager
Sunshine Health Care (Pvt.) Ltd.
Sunshine Medical Tower Shahdra

Reference # CED/TFL **7286** (Dr. M Kashif) Dated: 29-07-2025
Reference of the request letter # Nil Dated: 29-07-2025

Tension Test Report (Page-1/1)

Date of Test 01-08-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in^2)		Yield Load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.364**	**3**	**0.369**	**0.110**	**0.107**	**31.50**	**43.70**	**64351**	**66173**	**89275**	**91803**	**1.5**	**18.8**	-
2	**0.368**	**3**	**0.371**	**0.110**	**0.108**	**31.50**	**44.20**	**64351**	**65500**	**90296**	**91909**	**1.3**	**16.3**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test
3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. Ahsan (Project Engineer)
Baig Developers and Builders (pvt.) Ltd.
Construction of City Star Shopping Mall, Link Road Model Town, Lahore

Reference # CED/TFL **7304** (Dr. M Kashif) Dated: 01-08-2025
Reference of the request letter # ST/UET/31072025/3000 Dated: 31-07-2025

Tension Test Report (Page-1/1)

Date of Test 01-08-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in^2)		Yield Load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.371**	**3**	**0.372**	**0.110**	**0.109**	**42.00**	**50.70**	**85802**	**86666**	**103575**	**104618**	**0.8**	**10.0**	-
2	**0.376**	**3**	**0.375**	**0.110**	**0.11**	**39.50**	**49.20**	**80695**	**80416**	**100511**	**100164**	**0.9**	**11.3**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test
3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. Kashif Shahzad (Manager-Technical)
Gharibwal Cement Ltd.
-

Reference # CED/TFL **7302** (Dr. M Kashif) Dated: 31-07-2025
Reference of the request letter # GCL/Purchase/UET/008 Dated: 31-07-2025

Tension Test Report (Page-1/3)

Date of Test 01-08-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in^2)		Yield Load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	4.249	32	1.261	1.250	1.248	46000	59000	81107	81210	104029	104161	0.9	11.3	H # 761
2	4.239	32	1.259	1.250	1.246	44400	60600	78286	78555	106850	107217	1	12.5	H # 761
3	4.226	32	1.257	1.250	1.242	36800	52200	64886	65311	92039	92642	1.4	17.5	H # 762
4	4.187	32	1.252	1.250	1.23	36000	51600	63475	64496	90981	92444	1.3	16.3	H # 762
5	4.166	32	1.248	1.250	1.224	41400	56600	72996	74540	99797	101907	1.3	16.25	H # 262
6	4.023	32	1.227	1.250	1.182	33800	49600	59596	63023	87455	92483	1.5	18.75	H # 262
Note: Only 6 Samples for Tensile and 3 Samples for Bend test														

Bend Test
32mm Bar Bend Test Through 180 Degree is Satisfactory
32mm Bar Bend Test Through 180 Degree is Satisfactory
32mm Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. Kashif Shahzad (Manager-Technical)
Gharibwal Cement Ltd.
-

Reference # CED/TFL **7302** (Dr. M Kashif) Dated: 31-07-2025
Reference of the request letter # GCL/Purchase/UET/008 Dated: 31-07-2025

Tension Test Report (Page-2/3)

Date of Test 01-08-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in^2)		Yield Load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
7	4.189	32	1.252	1.250	1.231	39800	56400	70175	71272	99444	100998	1.4	17.5	H # 263
8	4.198	32	1.253	1.250	1.234	41400	57800	72996	73972	101913	103275	1.1	13.8	H # 263
9	4.160	32	1.248	1.250	1.223	41800	58000	73702	75359	102266	104565	1.4	17.5	H # 203
10	4.165	32	1.248	1.250	1.224	41400	57800	72996	74547	101913	104078	1.4	17.5	H # 203
11	4.130	32	1.243	1.250	1.214	45200	58800	79697	82086	103676	106785	1.3	16.25	H # 700
12	4.138	32	1.244	1.250	1.216	46200	59400	81460	83746	104734	107673	1.5	18.75	H # 700
Note: Only 6 Samples for Tensile and 3 Samples for Bend test														

Bend Test
32mm Bar Bend Test Through 180 Degree is Satisfactory
32mm Bar Bend Test Through 180 Degree is Satisfactory
32mm Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. Kashif Shahzad (Manager-Technical)
Gharibwal Cement Ltd.
-

Reference # CED/TFL **7302** (Dr. M Kashif) Dated: 31-07-2025
Reference of the request letter # GCL/Purchase/UET/008 Dated: 31-07-2025

Tension Test Report (Page-3/3)

Date of Test 01-08-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in^2)		Yield Load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
13	**4.226**	**32**	**1.257**	**1.250**	**1.242**	**45400**	**60400**	**80049**	**80588**	**106497**	**107214**	**1.4**	**17.5**	**H # 202**
14	**4.241**	**32**	**1.260**	**1.250**	**1.246**	**45000**	**60600**	**79344**	**79591**	**106850**	**107182**	**1.5**	**18.8**	**H # 202**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test
32mm Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

Ref: CED/TFL/07/7303 Dated: 31-07-2025

Dated of Test: 01-08-2025 (Dr. M. Kashif)

To

Laboratory Manager
China Gezhouba Group Company Limited
300 MW Balakot Hydro Power Project.

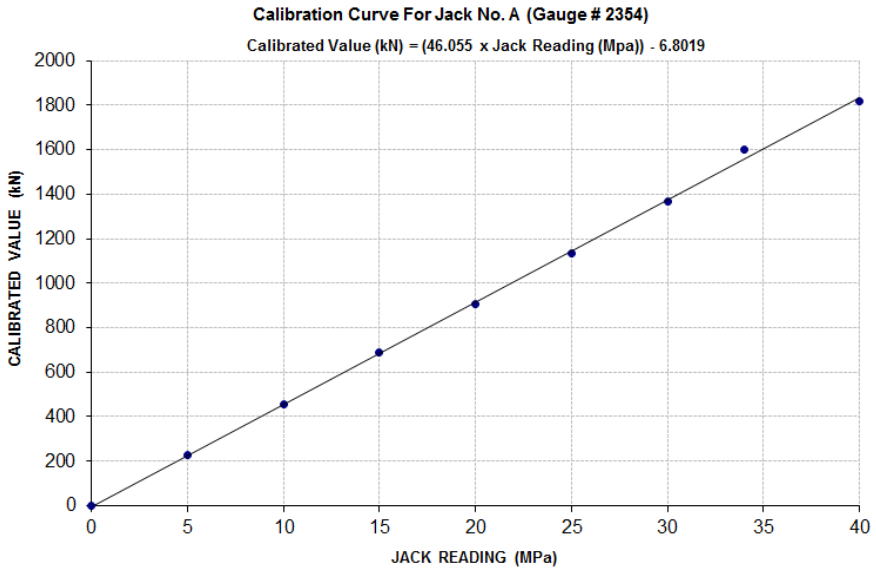
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/08/7303)** (Page -1/7)

Reference to your Letter No. Nil, dated: 31/07/2025 on the subject cited above. One Hydraulic Jack (Jack No. A, Gauge No. 2354) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 40 (MPa)

Hydraulic Jack Reading (MPa)		**0**	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**
Calibrated Load	**(kg)**	**0**	**23200**	**46200**	**70000**	**92200**	**115600**	**139200**	**163200**	**185200**
	(kN)	**0**	**228**	**453**	**687**	**904**	**1134**	**1366**	**1601**	**1817**
Calibrated Pressure (Mpa)		**0**	**5.0**	**9.9**	**15.0**	**19.7**	**24.7**	**29.7**	**34.9**	**39.6**

The Ram Area of Jack = 459 cm^2



Test Performed and Verified by:

Ref: CED/TFL/07/7303 Dated: 31-07-2025

Dated of Test: 04-08-2025 (Dr. Rizwan Riaz)

To

Laboratory Manager
China Gezhouba Group Company Limited
300 MW Balakot Hydro Power Project.

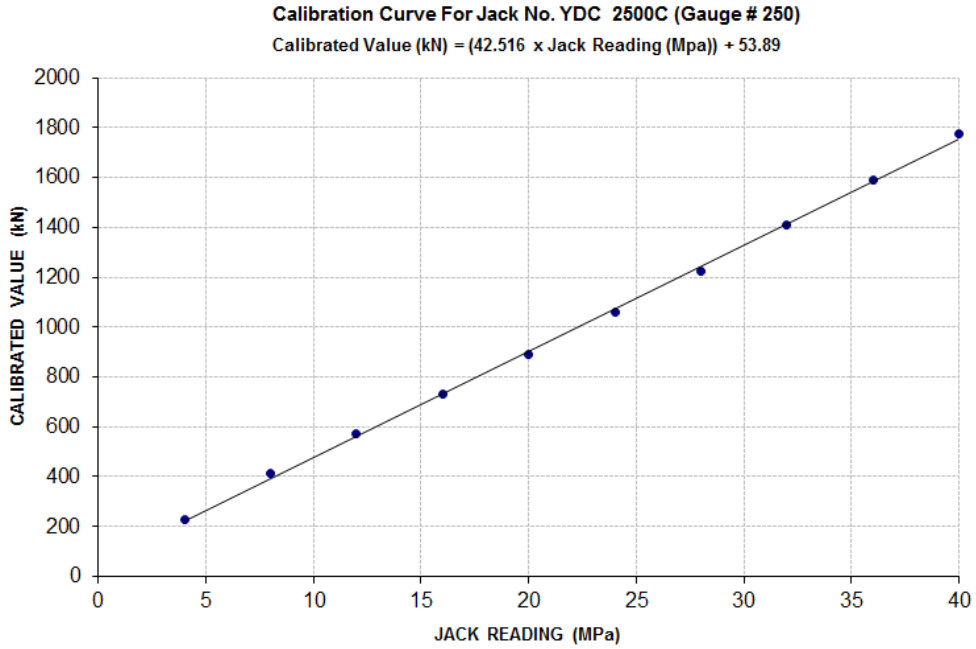
Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/08/7303)** (Page -2/7)

Reference to your Letter No. Nil, dated: 31/07/2025 on the subject cited above. One Hydraulic Jack (Jack No. YDC 2500C, Gauge No. 250) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 100 (MPa)
Calibrated Range : Zero - 40 (MPa)

Hydraulic Jack Reading (MPa)		**4**	**8**	**12**	**16**	**20**	**24**	**28**	**32**	**36**	**40**
Calibrated Load	**(kg)**	**23000**	**42000**	**58200**	**74400**	**90800**	**108000**	**125000**	**143800**	**162200**	**181000**
	(kN)	**226**	**412**	**571**	**730**	**891**	**1059**	**1226**	**1411**	**1591**	**1776**
Calibrated Pressure (Mpa)		**4.66**	**8.52**	**11.80**	**15.09**	**18.41**	**21.90**	**25.35**	**29.16**	**32.90**	**36.71**

The Ram Area of Jack = 483.56 cm^2



Test Performed and Verified by:

Ref: CED/TFL/07/7303 Dated: 31-07-2025

Dated of Test: 04-08-2025 (Dr. Rizwan Riaz)

To

Laboratory Manager
China Gezhouba Group Company Limited
300 MW Balakot Hydro Power Project.

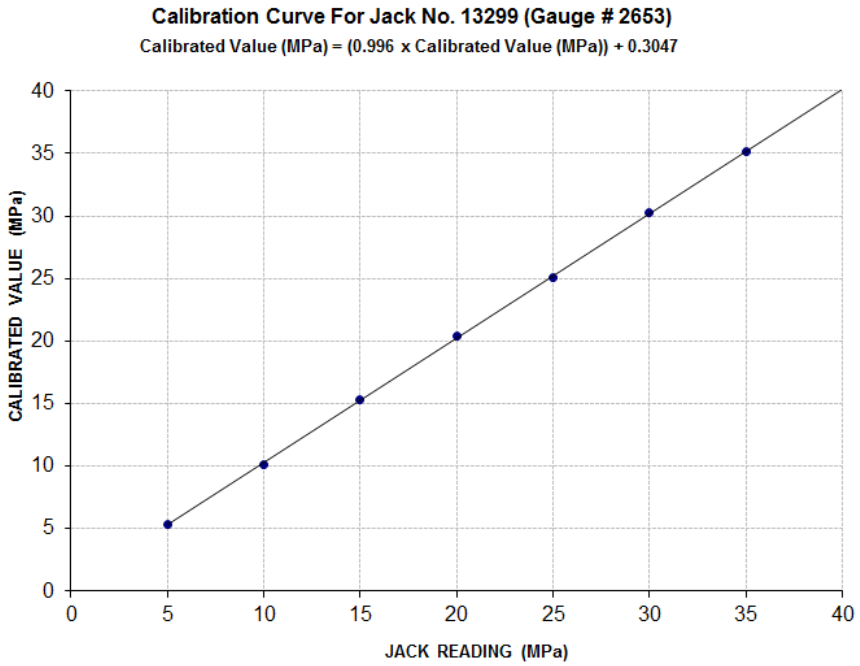
Subject: **- CALIBRATION OF Hydraulic Jack (MARK: TFL/07/303)** (Page -3/7)

Reference to your Letter No. Nil, dated: 31/07/2025 on the subject cited above. One Hydraulic Jack (Jack No. 13299, Gauge No. 2653) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 40 (MPa)

Hydraulic Jack Reading (MPa)	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**
Calibrated Load (kg)	**2600**	**4900**	**7450**	**9900**	**12200**	**14750**	**17100**	**19500**
Calibrated Pressure (MPa)	**5.34**	**10.07**	**15.31**	**20.35**	**25.08**	**30.32**	**35.15**	**40.08**

The Ram Area of Jack = 47.71 cm^2



Test Performed and Verified by:

Ref: CED/TFL/07/7303 Dated: 31-07-2025

Dated of Test: 04-08-2025 (Dr. Rizwan Riaz)

To

Laboratory Manager
China Gezhouba Group Company Limited
300 MW Balakot Hydro Power Project.

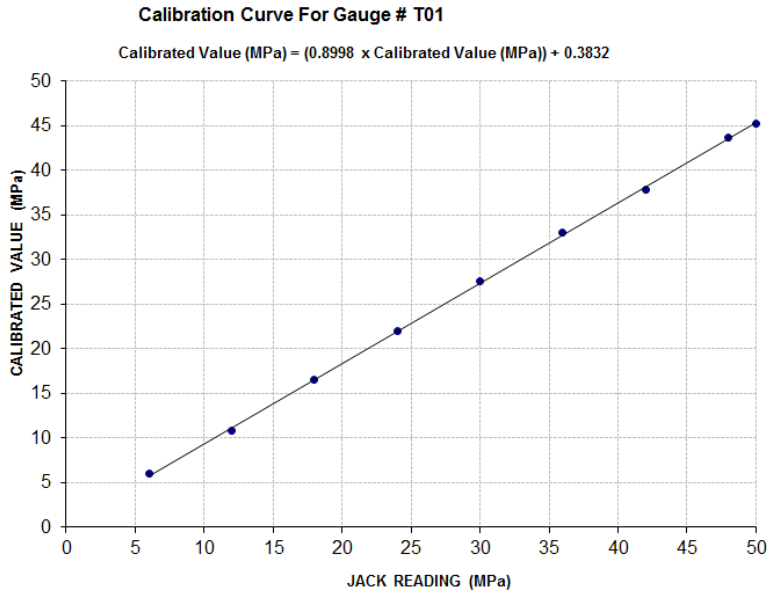
Subject: **- CALIBRATION OF PRESSURE GAUGE (MARK: TFL/07/7303)** (Page -4/7)

Reference to your Letter No. Nil, dated: 31/07/2025 on the subject cited above. One Pressure Gauge (Gauge No. T01) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 80 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	**6**	**12**	**18**	**24**	**30**	**36**	**42**	**48**	**50**
Calibrated Load (kg)	**12200**	**21800**	**33400**	**44300**	**55600**	**66800**	**76400**	**88300**	**91400**
Calibrated Pressure (MPa)	**6.04**	**10.80**	**16.54**	**21.94**	**27.54**	**33.09**	**37.84**	**43.74**	**45.27**

The Ram Area of Jack = 198 cm^2



Test Performed and Verified by:

Ref: CED/TFL/07/7303 Dated: 31-07-2025

Dated of Test: 04-08-2025 (Dr. Rizwan Riaz)

To

Laboratory Manager
China Gezhouba Group Company Limited
300 MW Balakot Hydro Power Project.

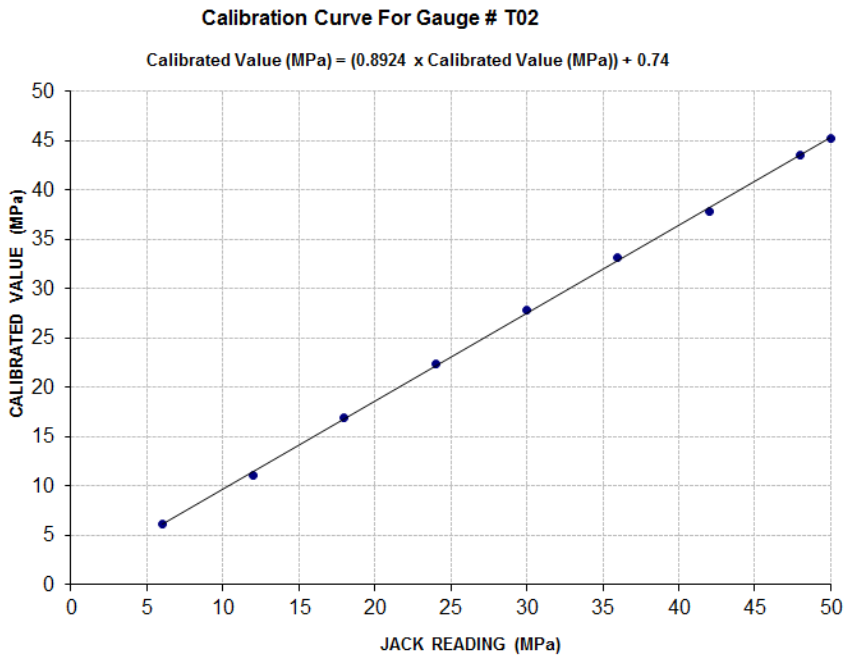
Subject: **- CALIBRATION OF PRESSURE GAUGE (MARK: TFL/07/7303)** (Page -5/7)

Reference to your Letter No. Nil, dated: 31/07/2025 on the subject cited above. One Pressure Gauge (Gauge No. T02) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 80 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	**6**	**12**	**18**	**24**	**30**	**36**	**42**	**48**	**50**
Calibrated Load (kg)	**12300**	**22300**	**34100**	**45100**	**56200**	**67000**	**76400**	**88000**	**91300**
Calibrated Pressure (MPa)	**6.09**	**11.05**	**16.89**	**22.34**	**27.84**	**33.19**	**37.84**	**43.59**	**45.22**

The Ram Area of Jack = 198 cm^2



Test Performed and Verified by:

Ref: CED/TFL/07/7303 Dated: 31-07-2025

Dated of Test: 04-08-2025 (Dr. Rizwan Riaz)

To

Laboratory Manager
China Gezhouba Group Company Limited
300 MW Balakot Hydro Power Project.

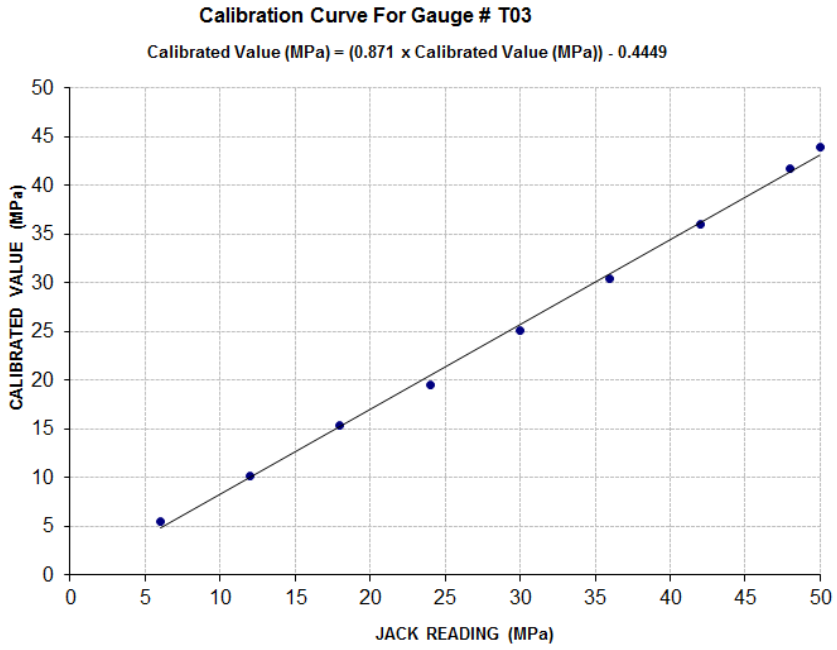
Subject: **- CALIBRATION OF PRESSURE GAUGE (MARK: TFL/07/7303)** (Page -6/7)

Reference to your Letter No. Nil, dated: 31/07/2025 on the subject cited above. One Pressure Gauge (Gauge No. T03) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 100 (MPa)
Calibrated Range : Zero - 50 (MPa)

Hydraulic Jack Reading (MPa)	**6**	**12**	**18**	**24**	**30**	**36**	**42**	**48**	**50**
Calibrated Load (kg)	**11100**	**20500**	**31100**	**39500**	**50700**	**61400**	**72600**	**84200**	**88600**
Calibrated Pressure (MPa)	**5.50**	**10.15**	**15.40**	**19.56**	**25.11**	**30.41**	**35.96**	**41.70**	**43.88**

The Ram Area of Jack = 198 cm^2



Test Performed and Verified by:

Ref: CED/TFL/07/7303 Dated: 31-07-2025

Dated of Test: 04-08-2025 (Dr. Rizwan Riaz))

To

Laboratory Manager
China Gezhouba Group Company Limited
300 MW Balakot Hydro Power Project.

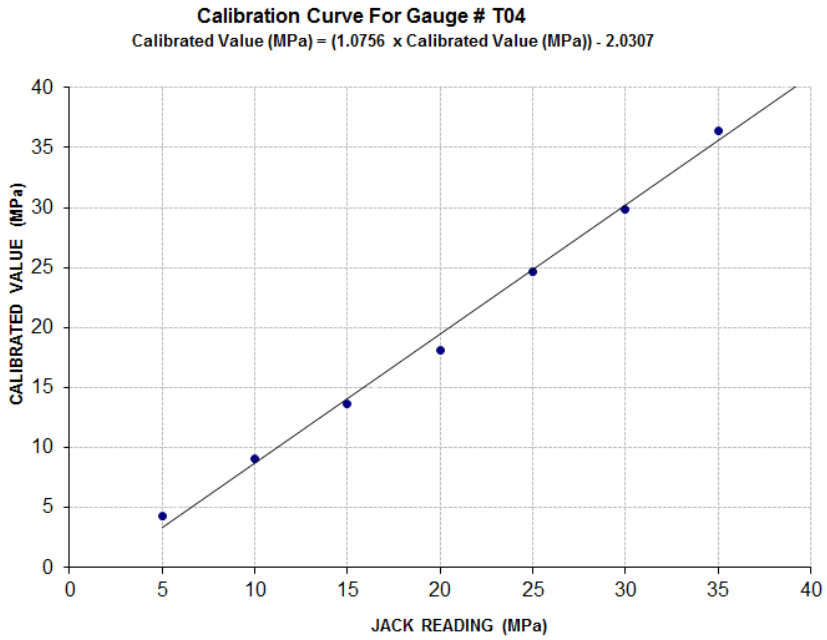
Subject: **- CALIBRATION OF PRESSURE GAUGE (MARK: TFL/07/7303)** (Page -7/7)

Reference to your Letter No. Nil, dated: 31/07/2025 on the subject cited above. One Pressure Gauge (Gauge No. T04) as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 60 (MPa)
Calibrated Range : Zero - 40 (MPa)

Hydraulic Jack Reading (MPa)	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**
Calibrated Load (kg)	**8700**	**18200**	**27500**	**36600**	**49800**	**60200**	**73500**	**78600**
Calibrated Pressure (MPa)	**4.31**	**9.01**	**13.62**	**18.13**	**24.67**	**29.82**	**36.40**	**38.93**

The Ram Area of Jack = 198 cm^2



Test Performed and Verified by:

To,

Mr. Ahsan (Project Engineer)
Baig Developers and Builders (pvt.) Ltd.
Construction of City Star Shopping Mall, Link Road Model Town, Lahore

Reference # CED/TFL **7304** (Dr. M Kashif) Dated: 01-08-2025
Reference of the request letter # ST/UET/31072025/3000 Dated: 31-07-2025

Tension Test Report (Page-1/1)

Date of Test 01-08-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in^2)		Yield Load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.371**	**3**	**0.372**	**0.110**	**0.109**	**42.00**	**50.70**	**85802**	**86666**	**103575**	**104618**	**0.8**	**10.0**	-
2	**0.376**	**3**	**0.375**	**0.110**	**0.11**	**39.50**	**49.20**	**80695**	**80416**	**100511**	**100164**	**0.9**	**11.3**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test
3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Manager Technical
Alfazal Electrical Engineering Industry (Pvt.) Ltd.

Reference # CED/TFL **7305** (Dr. M. Kashif) Dated: 01-08-2025
Reference of the request letter # AEEI-25-0091 Dated: 31-07-2025

Tension Test Report (Page -1/1)

Date of Test 01-08-2025
Gauge length 8 inches
Description MS Rod Tensile and Bend Test

Sr. No.	Weight	Diameter/ Size (mm)		Area	Yield load	Breaking Load	Yield Stress (psi)	Ultimate Stress	Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (mm)	Actual	(in^2)	(kg)	(kg)	(psi)	(psi)	(inch)		
1	4.587	36	1.310	1.348	28000	44600	45789	72936	1.00	12.5	-
2	7.054	45	1.625	2.073	37600	63200	39978	67197	1.90	23.8	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-		- -	-	-	-
-	-	-	-	-	-	-		- -	-	-	-
Note: only two samples for tensile and one for bend test											
Bend Test											
36mm MS Rod Bend Test Through 180º is Satisfactory											

Test Performed and Verified by: