

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

Ref: CED/TFL/11/5984, 5990

Dated: 12-11-2024

Dated: 14-11-2024

То

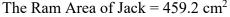
Resident Engineer Diamer Basha Consultants Group (DBCG) NESPAK - ACE -MMP - MWH - ROYRY - DOLSAR Jv Diamer Basha Dam Project.

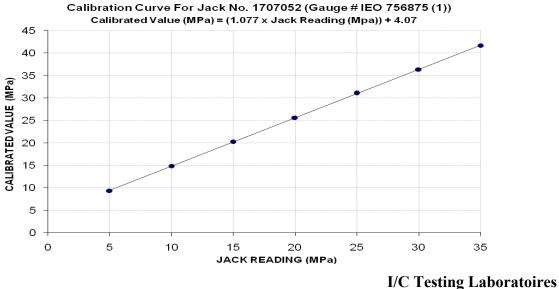
### Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/5082) (Page -1/6)

Reference to your Letter No. DBCG/Lab/PF JV/2024/057, dated: 07/11/2024 on the subject cited above. One Hydraulic Jack (Jack No. 1707052, Gauge No. IE0756875 (01)) as received by us has been calibrated. The results are tabulated as under:

Total Range	:	Zero -	60 (MPa)
Calibrated Range	:	Zero -	35 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35
Calibrated Load (kg)	43800	69600	95000	120000	145600	170200	195200
Calibrated Pressure (Mpa)	9.35	14.86	20.29	25.63	31.10	36.35	41.69





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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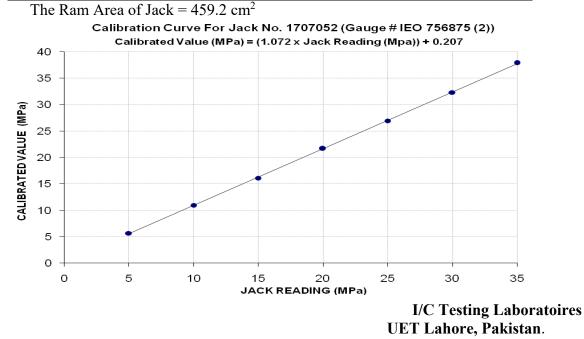
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#### Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/5082) (Page -2/6)

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Total Range :	Zero -	60 (MPa)
Calibrated Range :	Zero -	35 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35
Calibrated Load (kg)	26600	51400	75400	101600	126200	151400	177400
Calibrated Pressure (Mpa)	5.68	10.98	16.10	21.70	26.95	32.33	37.89



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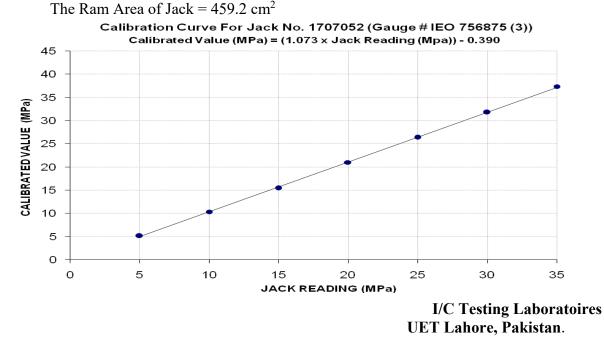
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#### Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/5082) (Page -3/6)

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Total Range :	Zero	) -	60 (MPa)
<b>Calibrated Range :</b>	Zero	) -	35 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35
Calibrated Load (kg)	24200	48600	72400	98400	123600	149000	174800
Calibrated Pressure (Mpa)	5.17	10.38	15.46	21.02	26.40	31.82	37.33



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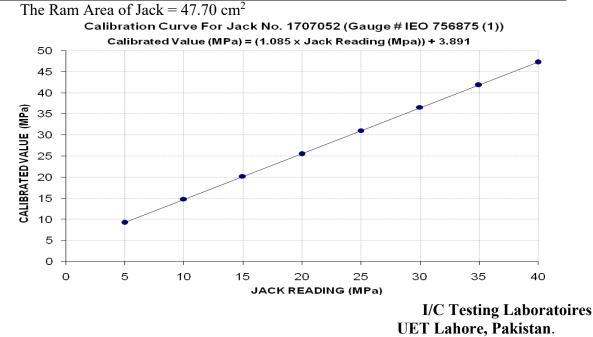
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#### Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/5082) (Page -4/6)

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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)	4500	7200	9850	12400	15100	17800	20350	23000
Calibrated Pressure (Mpa)	9.25	14.80	20.25	25.49	31.05	36.60	41.84	47.29



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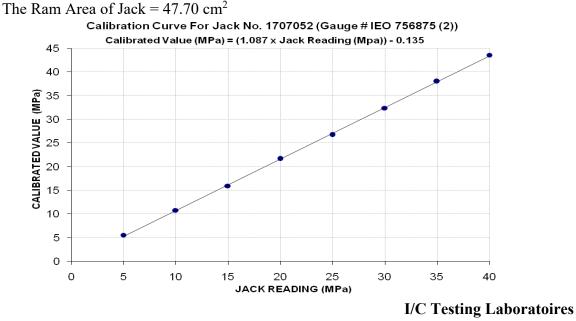
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#### Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/5082) (Page -5/6)

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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)	2700	5250	7750	10550	13000	15750	18500	21200
Calibrated Pressure (Mpa)	5.55	10.79	15.93	21.69	26.73	32.38	38.04	43.59



UET Lahore, Pakistan.

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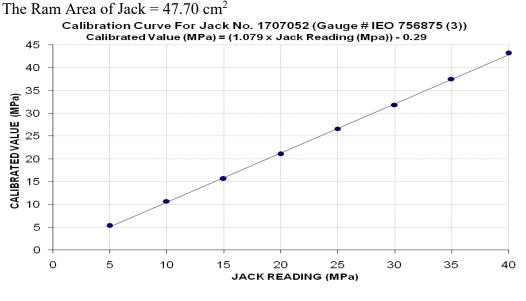
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#### Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/05/5082) (Page -6/6)

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Total Range :	Zero -	60 (MPa)
<b>Calibrated Range :</b>	Zero -	40 (MPa)

Hydraulic Jack Reading (MPa)	5	10	15	20	25	30	35	40
Calibrated Load (kg)	2600	5200	7600	10250	12950	15500	18250	21000
Calibrated Pressure (Mpa)	5.35	10.69	15.63	21.07	26.62	31.87	37.52	43.18



I/C Testing Laboratoires UET Lahore, Pakistan.

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To,

## STRUCTURAL ENGINEERING DIVISION

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

Project Manager DSG Energy Construction of Office Building at 29-M QIE, Lahore.

Reference # CED/TFL 5989 (Dr. M KAshif)	Dated: 14-11-2024
Reference of the request letter # Nil	Dated: 14-11-2024

# **Tension Test Report** (Page -1/1)

Date of Test Gauge length Description 14-11-2024

8 inches

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

Sr. No.	Weight	Diameter/ Size		Area (in <sup>2</sup> )		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)	% E	Re
1	0.351	3	0.362	0.11	0.103	3230	4330	64800	69060	86800	92600	1.20	15.0	ıza el
2	0.362	3	0.368	0.11	0.106	3310	4450	66400	68640	89200	92300	0.90	11.3	Hunza Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only two samples for tensile and one sample for bend test													
							Bend T	est						
#3	Bar Ben	d Test [	Fhrough	180° is	s Satisfa	ictory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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