

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

To,

M/S Ahmed Medix (Pvt) Limited Lahore (Client IV & ITD)

Reference # CED/TFL 3474 (Dr. Rizwan Azam) Dated: 16-06-2023 Reference of the request letter # Nil Dated: 15-06-2023

Tension Test Report (Page - 1/1)

Date of Test 19-06-2023 Gauge length 2 inches

Description MS Channel & MS Plate Steel Strip Tensile Test

Sr. No.	Designation	(mm) Size of Strip	X Section Area	(kg)	(gay) Load	(MPa)	Ultimate Stress	(ui)	% Elongation	Remarks
1	MS Channel	21.70x13.80	299.46	9500	15800	311	518	0.50	25.00	
2	MS Plate	24.00x14.30	343.20		17000		486	0.60	30.00	
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		On	ly Two Sa	mples fo	r Tensile	Test				
			· · · · · · · · · · · · · · · · · · ·	Bend Te	st					

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.
- 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,

Assistant Engineer Engineering Wing University of Sahiwal, Sahiwal

"Extension of Hall / Store Room near Cafeteria at University of Sahiwal."

Reference # CED/TFL 3475 (Dr. Rizwan Azam)

Reference of the request letter # UOSL/EW/22-23 071

Dated: 16-06-2023

Dated: 15-06-2023

Tension Test Report

Date of Test 19-06-2023 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ize ch)		Area (in²)		Breaking Load		Stress si)		ee Stress si)	Elongation	% Elongation	Remarks
S	(tl/sdl)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	∃%	Re
1	0.370	3/8	0.372	0.11	0.109	3000	4500	60200	60780	90200	91200	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	1	-	-	-	-	-	1	-	-	-	-	1	
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_	-	1	-	ı	-	-	-	1	-	-	-	-	1	
		Note: only one sample for tensile and one sample for bend test												
	Bend Test													
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is S	Satisfacto	ry							

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

/To,

M/S Capital Construction Co. Lahore (Al Hamd Tower, Barket Market, Road Lahore)

Reference # CED/TFL <u>3476 (Dr. Rizwan Azam)</u>

Reference of the request letter# 1382021BCC

Dated: 16-06-2023

Dated: 16-06-2023

Tension Test Report (Page -1/1)

Date of Test 19-06-2023 Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size			rea 1 ²)	Yield load	Breaking Load		Stress si)	Ultimat (p	e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Mominal (#) (#) (#) (#) (inch)		(inch) Nominal Actual		(kg)	(kg)	Nominal	Nominal Actual		Actual	(inch)		Re
1	0.385	3	0.380	0.11	0.113	3300	5000	66200	64200	100200	97300	1.00	12.5	lel
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-	-	1	-	-	-	-	-	1	-	-	1	-	-	
-	-	ı	-	-	-	-	-	ı	-	-	1	-	-	
	Note: only one sample for tensile and one sample for bend test													
#3	Bend Test #3 Bar Bend Test Through 180° is Satisfactory													

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

To,

Resident Engineer NESPAK University of Child Health Sciences, Lahore.

Reference # CED/TFL **3477** (Dr. Rizwan Azam)

Reference of the request letter # 4598/13/SA/09/016

Dated: 16-06-2023

Dated: 13-06-2023

Tension Test Report

Date of Test 19-06-2023 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze			Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)			(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.386	3	0.380	0.11	0.114	3100	4800	62200	60190	96200	93200	1.50	18.8	eel
2	0.389	3	0.382	0.11	0.114	3100	4800	62200	59700	96200	92500	1.40	17.5	Batala Gold Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	G. B
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	Note: only two samples for tensile and one sample for bend test													
							D 1 ==							
	D D	100 7	T1 1	1000:	g .: 2		Bend T	est						
#3	#3 Bar Bend Test Through 180° is Satisfactory													

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

To,

Principal Architect N. Jehangir & Associates

Reference # CED/TFL 3478 (Dr. Rizwan Azam)

Reference of the request letter # Nil

Dated: 16-06-2023

Dated: 15-06-2023

Tension Test Report

Date of Test 19-06-2023 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Si	neter/ ze ch)		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal		(kg)	(kg)	Nominal	Nominal Actual		Actual	(inch)	% E	Re
1	0.370	3/8	0.372	0.11	0.109	4100	4900	82200	83080	98200	99300	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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			ı		No	te: only o	ne samp	le for ten	sile test	1	ı	1		
							Bend T	est						

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To,

G.M – Engineering Mughal Pakistan (Private) Limited Construction of Serena Hotel, Hunza.

Reference # CED/TFL **3479** (Dr. Rizwan Azam) Dated: 16-06-2023 Reference of the request letter # 786/MPL-0075/050604/2023 Dated: 05-06-2023

Tension Test Report (Page – 1/1)

Date of Test 19-06-2023 Gauge length 2 inches

Description H Beam Steel Strip Tensile Test

Sr. No.	Operion (inc		(mm) Size of Strip	X Section Area Area	(kg)	(sg) Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	H Beam	8x8	26.60x11.70	311.22	10600	18100	334	571	0.70	35.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	1	-	-	ı	-	
-	-	-	-	-	-	1	-	-	1	1	
-	-	-	-	-	-	ı	-	-	ı	-	
-	-	-	-	-	-	1	-	-	ı	-	
			Onl	y One San	nple for	Tensile Te	est				
	Bend Test										

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/06/3481 Dated: 19-06-2023

Dated: 19-06-2023

To

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

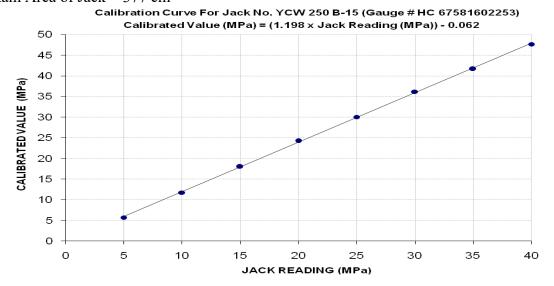
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3481) (Page -1/4)

Reference to your Letter No. DBCG/Lab/PF JV/2023/033, dated: 15/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. YCW 250B-15, Gauge No. HC 67581602253) 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)	22000	45200	69200	93200	115400	139100	160200	183200
Calibrated Pressure (Mpa)	5.72	11.76	18.00	24.24	30.02	36.18	41.67	47.66

The Ram Area of Jack = 377 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

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Ref: CED/TFL/06/3481 Dated: 19-06-2023

Dated: 19-06-2023

To

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

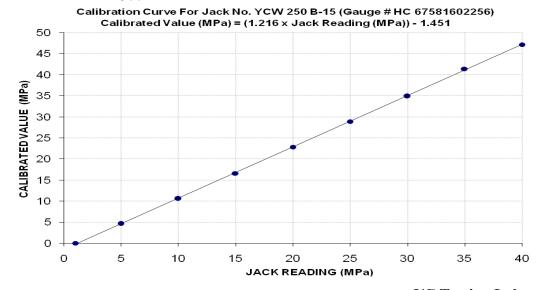
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3481) (Page -2/4)

Reference to your Letter No. DBCG/Lab/PF JV/2023/033, dated: 15/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. YCW 250B-15, Gauge No. HC 67581602256) 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)	1	5	10	15	20	25	30	35	40
Calibrated Load (kg)	0	17800	40800	63800	87800	111200	134200	159200	181400
Calibrated Pressure (Mpa)	0	4.63	10.61	16.60	22.84	28.93	34.91	41.41	47.19

The Ram Area of Jack = 377 cm^2



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Dated: 19-06-2023

To

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

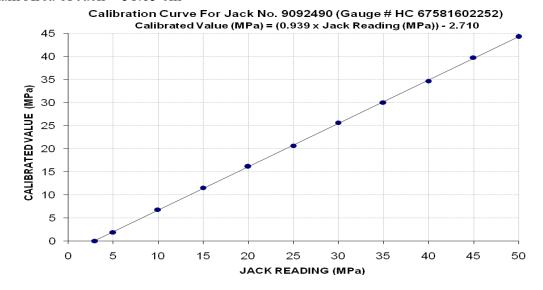
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3481) (Page -3/4)

Reference to your Letter No. DBCG/Lab/PF JV/2023/033, dated: 15/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 9092490, Gauge No. HC 67581602252) 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)	3	5	10	15	20	25	30	35	40	45	50
Calibrated Load (kg)	0	1000	3550	6000	8400	10750	13350	15650	18050	20700	23050
Calibrated Pressure (Mpa)	0	1.92	6.82	11.53	16.14	20.65	25.65	30.06	34.68	39.77	44.28

The Ram Area of Jack = 51.05 cm^2



I/C Testing Laboratoires UET Lahore, Pakistan.

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Ref: CED/TFL/06/3481 Dated: 19-06-2023

Dated: 19-06-2023

To

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

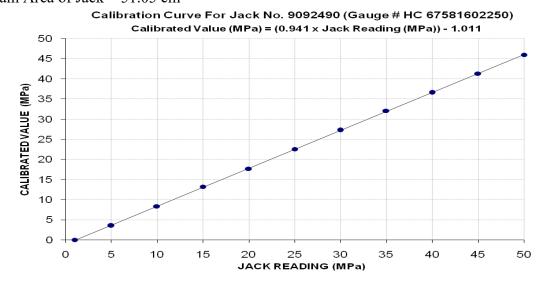
Subject: - CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/3481) (Page -4/4)

Reference to your Letter No. DBCG/Lab/PF JV/2023/033, dated: 15/06/2023 on the subject cited above. One Hydraulic Jack (Jack No. 9092490, Gauge No. HC 67581602250) 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)	1	5	10	15	20	25	30	35	40	45	50
Calibrated Load (kg)	0	1850	4350	6900	9200	11750	14200	16700	19050	21500	23950
Calibrated Pressure (Mpa)	0	3.55	8.36	13.26	17.67	22.57	27.28	32.08	36.60	41.30	46.01

The Ram Area of Jack = 51.05 cm^2



To,

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

Resident Engineer, **Orbit Housing** The Spring Apartment Homes

Reference # CED/TFL 3486 (Dr. Rizwan Azam) Dated: 19-06-2023 Dated: 19-06-2023 Reference of the request letter# NIL

Tension Test Report (Page -1/1)

Date of Test 19-06-2023 Gauge length 8 inches

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

Sr. No.	Weight	Diam Si	neter/ ze	Area (in²)		Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal Actual		(kg)	(kg)	Nominal	Nominal Actual		Actual	(inch)	% E	Re
1	0.378	3	0.376	0.11 0.111		3800	5100	76200	75310	102200	101100	1.10	13.8	
2	0.383	3	0.379	0.11	0.113	3600	4900	72200	70510	98200	96000	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	I		
112	Dar Dan	170 47	F1 1	1000:	G 4: C		Bend T	est						

#3 Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires **UET Lahore, Pakistan.**

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