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/12/6243 Dated: 27-12-2024

Dated of Test: 15-01-2025

To

Assistant Director (QCD)
WASA, LDA, Lahore
(M/s Future Pipes Industry, Lahore.)

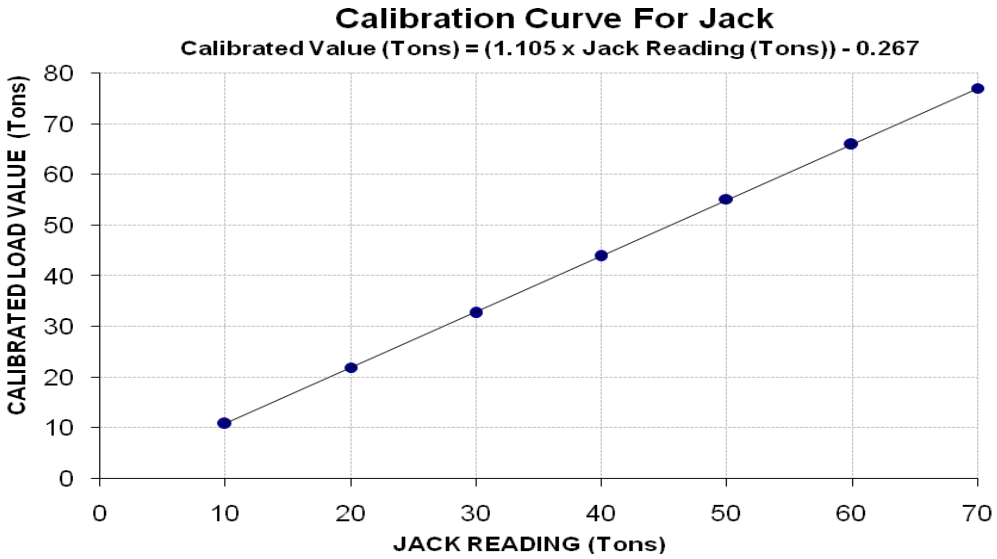
Subject: **- CALIBRATION OF HYDRAULIC JACK WITH GAUGE**
(MARK: TFL/12/6243)

Reference to your Letter No. QCD/2309, Dated: 16/11/2024 on the subject cited above. One Hydraulic Jack with Gauge as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 100 (Ton)
Calibrated Range : Zero - 70 (Ton)

Hydraulic Jack Reading (Ton)		**10**	**20**	**30**	**40**	**50**	**60**	**70**
Calibrated Load	**(kg)**	**9800**	**19900**	**29700**	**39900**	**50100**	**59900**	**70000**
	(Ton)	**10.79**	**21.91**	**32.70**	**43.93**	**55.17**	**65.96**	**77.08**

1000 Kg = 1.1011 Ton



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,

Material Manager
Blue Horizpon Consultants
4-Storey Commercial Building Construction (Frame Structure), J-Block, Valancia Society, Lahore.

Reference # CED/TFL **6344** (Dr. Ali Ahmed) Dated: 13-01-2025
Reference of the request letter # Nil Dated: 09-01-2025

Tension Test Report (Page -1/1)

Date of Test 15-01-2025
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	0.363	3	0.368	0.11	0.107	2850	4540	57200	58940	91000	93900	1.10	13.8	5 Star Steel
2	0.365	3	0.370	0.11	0.107	2870	4480	57600	58880	89800	92000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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,

Resident Engineer
NESPAK
Dualization of Sargodha Khushab Mianwali Road (Group-III from km 222.25 yto 244.81 = 22.56 km)

Reference # CED/TFL **6345** (Dr. Ali Ahmed) Dated: 14-01-2025
Reference of the request letter # RE/4376-E/JQK/4c/531 Dated: 31-12-2024

Tension Test Report (Page -1/1)

Date of Test 15-01-2025
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	0.363	3	0.369	0.11	0.107	3470	4590	69600	71650	92000	94800	1.20	15.0	Hunza Steel
2	0.368	3	0.371	0.11	0.108	3590	4910	72000	73130	98400	100100	1.50	18.8	
3	4.138	10	1.245	1.27	1.216	40000	55200	69500	72480	95800	100100	1.40	17.5	
4	4.143	10	1.245	1.27	1.218	42200	55400	73300	76380	96200	100300	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only four samples for tensile and two samples for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

#10 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,

Manager Procurement
M/S Ravi Construction Company
"RePETify Plant at Novatex Limited."

Reference # CED/TFL **6346** (Dr. Ali Ahmed) Dated: 14-01-2025
Reference of the request letter # UET/RCC/011/25 Dated: 13-01-2025

Tension Test Report (Page -1/1)

Date of Test 15-01-2025
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	0.379	3	0.377	0.11	0.111	3380	4860	67800	66840	97400	96200	1.30	16.3	Kamran Steel
2	0.364	3	0.369	0.11	0.107	3280	4640	65800	67600	93000	95700	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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.

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,

Engineer's Representative
NESPAK
Expansion of Terminal Building and Allied Facilities at Allama Iqbal International Air[port (AIIAP), Lahore

Reference # CED/TFL **6347** (Dr. Ali Ahmed) Dated: 14-01-2025
Reference of the request letter # 3043/50Q/MSB/108/646 Dated: 13-01-2025

Tension Test Report (Page -1/1)

Date of Test 15-01-2025
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	0.374	0.11	0.110	3620	4690	72600	72740	94000	94300	1.20	15.0	Kamran Steel
2	0.376	3	0.375	0.11	0.111	3540	4660	71000	70570	93400	92900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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.

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

To,

Project Manager
Etimaad Property Network
"Rise Mall & Residencia"

Reference # CED/TFL **6348** (Dr. Ali Ahmed) Dated: 14-01-2025
Reference of the request letter # Nil Dated: 14-01-2025

Tension Test Report (Page -1/1)

Date of Test 15-01-2025
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	0.366	3	0.370	0.11	0.108	3920	5320	78600	80240	106600	108900	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

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Ref: CED/TFL/01/6352 Dated: 14-01-2025

Dated of Test: 15-01-2025

To

Resident Engineer
NESPAK
Rehablitation / Improvement of Streets (P.C.C), Sewerage / Drainage at Bilala Town UC-269 Nishtar Zone MCL.

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 – 08a]**

Reference to your letter No. 103/LDP/NZ/04/01, dated 18.12.2024 on the subject cited above. Three R.C.C. Pipes as received by us have been tested. The results are tabulated as under.

Sr. No.	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.78	7.38	16.10	12.04	2.03	7500	10500	2235	3128
2	18	7.77	7.28	23.10	18.04	2.53	10500	15000	2114	3020
3	24	7.77	7.19	30.20	23.94	3.13	11600	17990	1782	2764

I/C Testing Laboratoires
UET Lahore, Pakistan.

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