



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/11/2369

Dated: 29-11-2022

Dated of Test: 02-12-2022

To

M/S Sinco Engineers Pvt. Ltd.
Lahore
(National Food Galaxy Project, Sahiwala)

Subject: - TEST RESULT REPORT FOR MANHOLE COVERCAST IRON ALPINE FOR BEARING LOAD TEST

Reference to your letter no. Nil dated: 28/11/2022 on the above mentioned subject. One Manhole Cover Cast Iron Alpine for bearing load test as received by us has been tested and results are given below:

Sr. No.	Size of Cover	Design / Applied Load	Time Duration for Sustained Load	Remarks
1	450 x450 mm	15 Ton	15 Sec.	The Manhole Cover was Safe at 15 ton applied load

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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/11/2380

Dated: 30-11-2022

Dated of Test: 02-12-2022

To

Resident Engineer
NESPAK

**Improvement of Lahore - Jaranwala Road from Saggian Bypass to Begum Kot,
Lahore**

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

Reference to your letter No. 3772/SB-BK/103/MWA/04/10, dated 16.11.2022 on the subject cited above. One R.C.C. Pipe 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	36	8.01	7.64	44.06	35.92	4.07	25330	35030	2441	3375

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M/S SA-RA Group
 Lahore

(Procurement of Plant, Design, Supply, Installation, Testing and Commission of 220 kV Double Circuit Transmission Line on Rail Conductor from D.I Khan to Zhob)(Approx. 220km)

Reference # CED/TFL **2382** (Dr. M Kashif)
 Reference of the request letter # MIG/2022/2919

Dated: 01-12-2022
 Dated: 29-11-2022

Tension Test Report (Page -1/1)

Date of Test 02-12-2022

Gauge length 8 inches

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

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	4.239	10	1.260	1.27	1.246	34400	52000	59700	60860	90300	92000	1.70	21.3	AI Moiz
2	4.269	10	1.264	1.27	1.255	37000	55000	64300	64990	95500	96700	1.70	21.3	
3	4.278	10	1.265	1.27	1.257	35000	53000	60800	61350	92000	92900	2.00	25.0	
4	4.257	10	1.262	1.27	1.251	36800	55000	63900	64820	95500	96900	1.90	23.8	
5	0.376	3	0.375	0.11	0.111	3400	4900	68200	67780	98200	97700	1.50	18.8	
6	0.373	3	0.373	0.11	0.110	3300	4900	66200	66420	98200	98700	1.30	16.3	
7	0.374	3	0.374	0.11	0.110	3300	4900	66200	66150	98200	98300	1.40	17.5	
8	0.373	3	0.374	0.11	0.110	3300	4900	66200	66290	98200	98500	1.50	18.8	

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

Bend Test

#10 Bar Bend Test Through 180° is Satisfactory

#10 Bar Bend Test Through 180° is Satisfactory

#3 Bar Bend Test Through 180° is Satisfactory

#3 Bar Bend Test Through 180° is Satisfactory

Witness by Sohaib Ali (Sub-Engineer NESPAK)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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To,

Resident Engineer
 NESPAK
 Construction of Road from Bahawalpur (N-5) Jhangra Sharqi Interchange (KLM) Length
 42.00 km District Bahawalpur.

Reference # CED/TFL **2383** (Dr. M Kashif)

Dated: 01-12-2022

Reference of the request letter # RE/SA-467/(B)/MSA/BWP-JS/120

Dated: 30-11-2022

Tension Test Report (Page -1/1)

Date of Test 02-12-2022

Gauge length 8 inches

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

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	4.306	10	1.270	1.27	1.266	35000	52000	60800	60950	90300	90600	1.70	21.3	SJ Steel
2	4.304	10	1.269	1.27	1.265	37200	58000	64600	64810	100700	101100	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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STRUCTURAL ENGINEERING DIVISION
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To,

Resident Engineer
 ACE Limited, Sambrial Sialkot
 Establishment of University of Applied Engineering and Emerging Technologies
 (UAEET) Sambrial, Sialkot

Reference # CED/TFL **2385** (Dr. M Kashif)
 Reference of the request letter # ER/UAEET/ACE/2022/116

Dated: 01-12-2022
 Dated: 30-11-2022

Tension Test Report (Page -1/1)

Date of Test 02-12-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.402	3	0.388	0.11	0.118	4500	5600	90200	83970	112300	104500	0.90	11.3	SJ Steel
2	0.403	3	0.388	0.11	0.118	4400	5400	88200	81960	108200	100600	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Ref: CED/TFL/12/2386

Dated: 01-12-2022

Dated of Test: 02-12-2022

To

CEO
Habib Platinum Developers
Development of Gulshan-E-Habib Society, Lahore

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

Reference to your letter No. GHHS/11-2022/00018, dated 14.11.2022 on the subject cited above. One R.C.C. Pipe 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	36	8.01	7.66	44.49	36.35	4.07	16590	27270	1577	2592

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
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To,

Project Director
 Punjab Industrial Estate
 Construction of Storm Water Pumping Station (Civil Works) at Interceptive Drain along
 Front Road of Quaid-e-Azam Business park (QABP), Sheikhpura

Reference # CED/TFL **2387** (Dr. M Kashif)
 Reference of the request letter # QABP/PIE/CIV/084

Dated: 01-12-2022
 Dated: 11-11-2022

Tension Test Report (Page -1/1)

Date of Test 02-12-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.361	3	0.368	0.11	0.106	3300	5100	66200	68530	102200	105900	1.40	17.5	SJ Steel
2	0.365	3	0.370	0.11	0.107	3400	5100	68200	69840	102200	104800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/S Gharibwal Cement Limited
Lahore

Reference # CED/TFL **2390** (Dr. M Kashif)

Dated: 02-12-2022

Reference of the request letter# GCL/Admin./UET/Tests/29 Dated: 01-12-2022

Tension Test Report (Page -1/1)

Date of Test

02-12-2022

Gauge length

8 inches

Description

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

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.403	3	0.388	0.11	0.118	3400	4900	68200	63290	98200	91300	1.40	17.5	
2	0.412	3	0.392	0.11	0.121	3500	5200	70200	63770	104200	94800	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

#3 Bar Bend Test Through 180° is Satisfactory

Witness by M. Ehtisham Tariq (AM Procurement)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Resident Engineer,
 Orbit Developers Private Limited
 The Spring, Gulberg Lahore

Reference # CED/TFL **2394** (Dr. M Kashif)
 Reference of the request letter# NIL

Dated: 02-12-2022
 Dated: 02-12-2022

Tension Test Report (Page -1/1)

Date of Test 02-12-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.366	3	0.370	0.11	0.107	3400	4500	68200	69720	90200	92300	1.10	13.8	
2	0.366	3	0.370	0.11	0.108	3600	4700	72200	73680	94200	96200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,

Resident Engineer
 G3 Engineering Consultants (Pvt.) Ltd.
 Construction of DHA Newlife Residency Apartments at 273/1 Q Block Phase-II DHA,
 Lahore

Reference # CED/TFL **2395** (Dr. M Kashif)
 Reference of the request letter # G3/DHA-NLD/RE/117

Dated: 02-12-2022
 Dated: 23-11-2022

Tension Test Report (Page -1/1)

Date of Test 02-12-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.380	3	0.377	0.11	0.112	3700	4800	74200	73060	96200	94800	0.90	11.3	Agha Steel
2	0.384	3	0.379	0.11	0.113	4000	5100	80200	78200	102200	99800	1.10	13.8	
3	0.376	3	0.375	0.11	0.111	4100	5100	82200	81770	102200	101800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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