



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

To,

M/S Aldo International Pvt. Ltd
Lahore

“Remodeling of Defence Chowk Rwp / Uplifting of GT Road”

Reference # CED/TFL **3472** (Dr. M Rizwan Riaz)

Reference of the request letter # Nil

Dated: 16-06-2023

Dated: 12-06-2023

Tension Test Report (Page – 1/1)

Date of Test 23-06-2023

Gauge length 2 inches

Description Steel Structure Steel Strip Tensile Test

Sr. No.	Designation		Size of Strip (mm)	X Section Area (mm ²)	Yield load (kg)	Breaking Load (kg)	Yield Stress (MPa)	Ultimate Stress (MPa)	Elongation (in)	% Elongation	Remarks
	-----	-----									
1	GI Sheet	2mm	25.70x2.00	51.40	1900	2400	363	458	0.50	25.00	
2	GI Pipe	4"x8Gauge	25.70x3.80	97.66	3600	4200	362	422	0.50	25.00	
3	MS Pipe	4" x 4.50mm	25.60x4.30	110.08	3500	4600	312	410	0.25	12.50	
4	MS Pipe	175mmx6mm	25.80x5.90	152.22	4600	6800	296	438	0.70	35.00	
5	MS Pipe	12"x6mm	25.70x5.90	151.63	4700	6700	304	433	0.70	35.00	
6	MS Pipe	8"x6mm	25.70x5.90	151.63	6500	9500	421	615	0.70	35.00	
7	Angle	65x65x6mm	25.60x6.00	153.60	7200	10700	460	683	0.60	30.00	
8	Angle	100x100x10mm	25.70x9.80	251.86	8200	13200	319	514	0.60	30.00	
9	Base Plate	30mm	26.00x30.20	785.20	29000	43700	362	546	1.00	50.00	
10	Base Plate	50mm	26.40x50.20	1325.28	36600	47800	271	354	1.10	55.00	
Only Ten Samples for Tensile Test											
Bend Test											

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Project Manager
 Lahore Hills Private Limited

Reference # CED/TFL **3485** (Dr. M Rizwan Riaz)
 Reference of the request letter # DH/MT/012

Dated: 19-06-2023
 Dated: 05-05-2023

Tension Test Report (Page – 1/2)

Date of Test 23-06-2023
 Gauge length 2 inches
 Description MS Seamless Pipe Steel Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)	(mm)									
1	MS Seamless Pipe	4	25.30x6.70	169.51	6500	8800	376	509	0.50	25.00	
2	MS Seamless Pipe	6	25.20x6.90	173.88	6200	7700	350	434	0.50	25.00	
3	MS Seamless Pipe	1	25.60x4.20	107.52	-----	5600	-----	511	0.25	12.50	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Three Samples for Tensile Test											
Bend Test											

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
Project Manager
Lahore Hills Private Limited

Reference # CED/TFL **3485** (Dr. M Rizwan Riaz)
Reference of the request letter # DH/MT/012

Dated: 19-06-2023
Dated: 05-05-2023

Weight & Size Test Report (Page – 2/2)

Date of Test 23-06-2023
Description MS Seamless Pipe Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	External Diameter	Internal Diameter	Wall Thickness	Remark
	(inch)	(g)	(cm)	(kg/m)	(mm)	(mm)	(mm)	
1	1	432	16.00	2.70	32.90	24.70	4.10	
2	4	2444	16.00	15.28	113.60	102.40	5.60	
3	6	4254	16.00	26.59	168.30	154.90	6.70	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
Only Three Samples for Test								

I/C Testing Laboratories
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,
Deputy Director (Maint)
NHA, Lahore

Reference # CED/TFL **3488** (Dr. M Rizwan Riaz)

Dated: 19-06-2023

Reference of the request letter # HS-PN-21-05-05/DD(M)/NHA/LHR/2023/701 Dated: 08-06-2023

Tension Test Report (Page – 1/1)

Date of Test 23-06-2023

Gauge length 2 inches

Description Steel Structure Steel Strip Tensile and Bend Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)										
1	Box Pipe	100x50x4	25.20x3.80	95.76	4000	5300	410	543	0.60	30.00	
2	Chequard Plate	5	25.40x4.80	121.92	4000	5200	322	418	0.70	35.00	
3	Angle	50x50x5	25.20x4.80	120.96	4400	7200	357	584	0.70	35.00	
4	Channel	100x50x6	25.30x5.60	141.68	5600	8400	388	582	0.30	15.00	
5	Angle	100x100x10	25.20x9.60	241.92	8100	11900	328	483	0.70	35.00	
6	Sq. Bar	18	16.10x15.70	252.77	10000	15600	388	605	0.40	20.00	

Only six Samples for Tensile and Six Samples for Bend Test

Bend Test

Strip Taken from Box Pipe (100x50x4mm) Bend Test Through 180° is Satisfactory

Strip Taken from Chequard Plate (5mm) Bend Test Through 180° is Satisfactory

Strip Taken from Angle (50x50x5mm) Bend Test Through 180° is Satisfactory

Strip Taken from Channel (100x50x6mm) Bend Test Through 180° is Satisfactory

Strip Taken from Angle (100x100x10mm) Bend Test Through 180° is Satisfactory

Strip Taken from Sq. Bar (18mm) Bend Test Through 180° 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
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Ref: CED/TFL/06/3502

Dated: 20-06-2023

Dated of Test: 23-06-2023

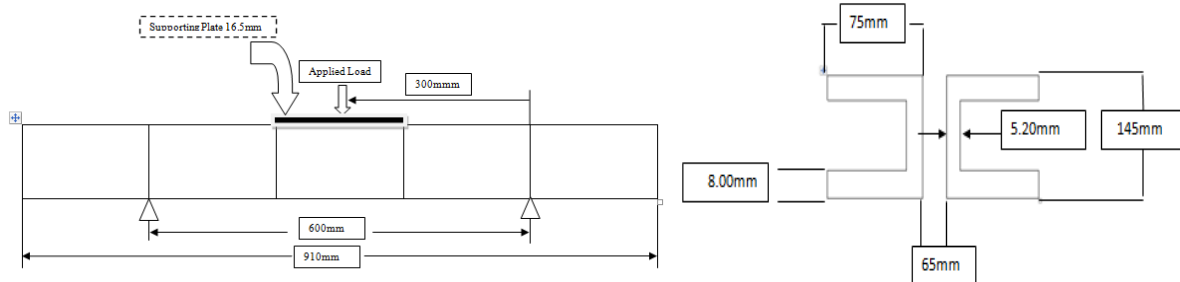
To

Project Manager
Rasheed & Brothers
Construction of Capital Tower-59, Blue Area, Islamabad

Subject: - TESTING OF DOUBLE C-CHANNEL (Pile Anchorage) ASSEMBLY FOR LOAD.

Reference to your letter no. ISB/CT-59/A-W/C-1-6/23 dated: 17/06/2023 on the above mentioned subject. One Double C-Channel Assembly for load test as received by us has been tested and results are given below:

Sr. No.	Load Applied	Remarks
1	35 Ton (35000 kg)	(i) No visible deflection was observed at applied load of 35 tons.



I/C Testing Laboratories
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,
 Projects Manager ICPL
 Izhar Construction (Pvt) Ltd
 OMBRe' Holding Pvt Ltd Raiwind, Lahore

Reference # CED/TFL **3513** (Dr. M Rizwan Riaz)
 Reference of the request letter # OMBRe'/Ittefaq/Steel/015

Dated: 21-06-2023
 Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.395	10	9.76	0.12	0.116	3700	4900	67975	70260	90021	93100	1.20	15.0	Mughal Steel
2	0.401	10	9.84	0.12	0.118	3600	4700	66138	67310	86347	87900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° 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,

Project Manager
Q-Links Construction
Construction Jasmine Grand Mall Bahria Town, Lahore

Reference # CED/TFL **3514** (Dr. M Rizwan Riaz)

Dated: 21-06-2023

Reference of the request letter # QLC-JGM-UET-2023-06-LTR-001

Dated: 21-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023

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	0.375	3	0.375	0.11	0.110	3100	4900	62200	61980	98200	98000	1.30	16.3	SJ Gujjar
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Manager
 Allied Bank
 Construction of ABL Upper Mall Lahore Plot No. 199, 200.

Reference # CED/TFL **3516** (Dr. M Rizwan Riaz)
 Reference of the request letter # ABL-UML-QAQC-24

Dated: 21-06-2023
 Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.379	3/8	0.377	0.11	0.111	4000	5100	80200	79150	102200	101000	0.80	10.0	Amreli Steel
2	0.377	3/8	0.375	0.11	0.111	4300	5300	86200	85630	106200	105600	0.90	11.3	
3	0.384	3/8	0.379	0.11	0.113	4000	5000	80200	78110	100200	97700	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Campus Engineer
 GC University, Lahore
 “Construction of New Girls Hostel at Main Campus GCU Lahore”.

Reference # CED/TFL **3517** (Dr. M Rizwan Riaz)
 Reference of the request letter # GCU/Engr/877/W.O

Dated: 21-06-2023
 Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.376	3/8	0.375	0.11	0.110	4000	5000	80200	79850	100200	99900	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° 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,

Senior Resident Engineer
 EPCM Consultants - NESPAK
 Punjab Intermediate Cities Improvement Investment Program (PICIIP)
 Consultancy Services for Engineering, Procurement and Construction Management.
 Trunk Main Sewer Conduit, Effluent Pumping Station and Allied Work
 (NCB-Works/PICIIP-03)(Lot-03)

Reference # CED/TFL **3518** (Dr. M Rizwan Riaz)

Dated: 21-06-2023

Reference of the request letter # 3976/11/MIA/Lot-03/01/146

Dated: 19-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023

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	0.370	3	0.372	0.11	0.109	3300	4700	66200	66820	94200	95200	1.50	18.8	Sheikho Steel
2	0.369	3	0.371	0.11	0.108	3100	4700	62200	63040	94200	95600	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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,

Resident Engineer
NESPAK
Punjab Intermediate Cities Improvement Investment Program (PICIP)
Consultancy Services for Engineering, Procurement and Construction Management.
Trunk Main Sewer Lines and Allied Work (NCB-Works/PICIP-03)(Lot-02)

Reference # CED/TFL **3519** (Dr. M Rizwan Riaz)

Dated: 21-06-2023

Reference of the request letter # 3976/11/AM/SWL/Lot-2/01/547

Dated: 18-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023

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	0.368	3	0.371	0.11	0.108	3500	4900	70200	71260	98200	99800	1.10	13.8	Sheikho Steel
2	0.374	3	0.374	0.11	0.110	3200	4700	64200	64170	94200	94300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,
 Site Engineer
 Beacon House School, Faisalabad Campus.

Reference # CED/TFL **3520** (Dr. M Rizwan Riaz)
 Reference of the request letter # Nil

Dated: 21-06-2023
 Dated: 21-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023
 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	0.371	3	0.373	0.11	0.109	3500	5800	70200	70650	116300	117100	0.90	11.3	
2	0.370	3	0.372	0.11	0.109	3600	5800	72200	72880	116300	117500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

A/XEN E&M

GE (Air) Rafoqui

“Rehabilitation of Infrastructure for No. 14, 27 & 50 TA Sqn at PAF Base Rafiqui.”

Reference # CED/TFL **3522** (Dr. M Rizwan Riaz)

Dated: 21-06-2023

Reference of the request letter # 6618/56/E-6

Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023

Gauge length 8 inches

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

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.374	3/8	0.374	0.11	0.110	3600	4800	72200	72270	96200	96400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° 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,

Resident Engineer
 NESPAK
 Punjab Intermediate Cities Improvement Investment Program (PICIP) Consultancy
 Services for Engineering, Procurement and Construction Management.
 (Contract No. ICB-Works/PICIP-12)
 (Construction of Waste Water Treatment Plant (WWTP) in North Zone Sialkot.)

Reference # CED/TFL **3523** (Dr. Asad Ali)

Dated: 21-06-2023

Reference of the request letter # Nespak/SA/SW/062

Dated: 20-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023

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	0.372	3	0.373	0.11	0.109	3740	4890	75000	75450	98000	98700	1.10	13.8	FF Steel
2	0.371	3	0.373	0.11	0.109	3690	4860	74000	74580	97400	98300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witness by Saf Ullah Amin (SRE-NESPAK), Naeem Asghar (ARE NESPAK) and Shakeel Ahmed (S.E PICIP)

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,

Resident Engineer
 NESPAK

Dualization of Road from Mandi Baha-ud-Din to Sarai Alam Gir Canal Pull Main GT Road via Village Rasool, District Mandi Baha-ud-Din (Length = 46 km) District Mandi Baha-ud-Din & Gujrat.

Reference # CED/TFL **3524** (Dr. M Rizwan Riaz)

Dated: 22-06-2023

Reference of the request letter # 4376-D/103/KT/02/173

Dated: 15-05-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023

Gauge length 8 inches

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

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3/8	0.375	0.11	0.110	3300	5700	66200	65960	114300	114000	0.90	11.3	Nonee Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° 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,
 Senior Manager Projects - Civil
 Vision Packaging
 Volka Food International Limited

Reference # CED/TFL **3525** (Dr. M Rizwan Riaz)
 Reference of the request letter # VFI/Civil/20

Dated: 22-06-2023
 Dated: 13-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3/8	0.372	0.11	0.109	3600	5000	72200	72820	100200	101200	1.20	15.0	
2	0.369	3/8	0.371	0.11	0.108	3800	4900	76200	77320	98200	99700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
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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,
Site Engineer
City Builders

Reference # CED/TFL **3526** (Dr. M Rizwan Riaz)
Reference of the request letter # CB/KCW-LC/04

Dated: 22-06-2023
Dated: 21-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023
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	0.374	3	0.374	0.11	0.110	3300	5100	66200	66200	102200	102300	1.30	16.3	
2	0.390	3	0.382	0.11	0.115	3300	5100	66200	63470	102200	98100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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,

Imran Qamar
Burj Colony, Lahore

Reference # CED/TFL **3527** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 22-06-2023

Dated: 22-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023

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	0.359	3	0.367	0.11	0.106	3000	4400	60200	62600	88200	91900	1.50	18.8	
2	0.370	3	0.372	0.11	0.109	3100	4600	62200	62780	92200	93200	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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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 – Turkpak jv
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District
Bahawalnagar.

Reference # CED/TFL **3528** (Dr. Usman Akmal)
Reference of the request letter # 4460/13/MA/04/273

Dated: 22-06-2023
Dated: 21-06-2023

Tension Test Report (Page -1/1)

Date of Test 23-06-2023
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	0.372	3	0.373	0.11	0.109	3000	5100	60200	60530	102200	102900	1.10	13.8	SJ Steel
2	0.377	3	0.375	0.11	0.111	3300	5100	66200	65690	102200	101600	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														

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Note:

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