



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

To,

Design Manager
Stallion Steel Engineering Pvt. Ltd.
Roofing Structure Assembly Hall Main Building AJK Muzaffarabad.

Reference # CED/TFL **6217** (Dr. M Rizwan Riaz)
Reference of the request letter # SE/1157/MT/01

Dated: 23-12-2024
Dated: 23-12-2024

Tension Test Report (Page – 1/2)

Date of Test 30-12-2024
Gauge length 2 inches
Description Flat Bar Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	16	25.80x15.90	410.22	15500	19500	371	466	0.90	45.00	
2	20	26.30x20.60	541.78	14000	17500	253	317	1.20	60.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

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,

Design Manager
Stallion Steel Engineering Pvt. Ltd.
Bahauddin Zakariya Gate DHA Multan.

Reference # CED/TFL **6217** (Dr. M Rizwan Riaz)
Reference of the request letter # SE/1150/MT/02

Dated: 23-12-2024
Dated: 19-12-2024

Tension Test Report (Page – 2/2)

Date of Test 30-12-2024
Gauge length 2 inches
Description Flat Bar Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	6	25.90x6.00	155.40	4400	7600	278	480	0.80	40.00	
2	9	25.90x8.80	227.92	8000	11500	344	495	0.80	40.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

I/C Testing Laboratories
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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To,

Contractor Representative
CCECC - HCS Jv
Expansion of Terminal Building and Allied Facilities at Allama Iqbal International
Air[port (AIIAP), Lahore

Reference # CED/TFL **6229** (Dr. M Rizwan Riaz)

Dated: 26-12-2024

Reference of the request letter # CCECCHCSJVAIIAP2024-486

Dated: 26-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024

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	4.329	10	1.273	1.27	1.272	43200	57000	75000	74840	99000	98800	1.30	16.3	Kamran
2	4.210	10	1.255	1.27	1.238	41200	55200	71500	73380	95800	98400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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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
ESAC
Grand Central Mall Project Faisalabad.

Reference # CED/TFL **6233** (Dr. M Rizwan Riaz)
Reference of the request letter # ESAC/TGC/GCMF/202

Dated: 26-12-2024
Dated: 24-12-2024

Tensile / Slippage Test Report (Page -1/1)

Date of Test 30-12-2024
Description Rebar Coupler Slippage Test

Sr. No.	Type	Dia	Failure Load	Mode of Failure	Remarks
		(#)	(kg)	---	
1	CBT/TGC/40 CR CBT	10	56200	Steel bar failed at 1 st thread	
2		10	55600	Steel bar failed at 1 st thread	
3		10	54200	Steel bar failed at 1 st thread	
4	CBT/TGC/C45 Cellpor	10	49400	Steel bar failed at 1 st thread	
5		10	49200	Steel bar failed at 1 st thread	
6		10	49600	Steel bar failed at 1 st thread	
Note: only six 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,
Resident Engineer
NESPAK
Renovation of Gaddafi Stadium Lahore Project.

Reference # CED/TFL **6234** (Dr. M Rizwan Riaz)
Reference of the request letter # RE/4860/04/MH/104

Dated: 26-12-2024
Dated: 26-12-2024

Tension Test Report (Page – 1/3)
Date of Test 30-12-2024
Gauge length 2 inches
Description MS 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)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	1	29.10x3.40	98.94	4000	5300	397	526	0.60	30.00	
2	4	25.80x6.00	154.80	5900	7300	374	463	0.70	35.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
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
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To,
Resident Engineer
NESPAK
Renovation of Gaddafi Stadium Lahore Project.

Reference # CED/TFL **6234** (Dr. M Rizwan Riaz)
Reference of the request letter # RE/4860/04/MH/104

Dated: 26-12-2024
Dated: 26-12-2024

Seamless/Flattening Test Report (Page – 2/3)

Date of Test 30-12-2024
Description MS Pipe Test as per ASTM-A53-02

Sr. No.	Designation	Test Type	Observation/Results
1	Pipe 1"	Ductility	No crack was observed
		Soundness	No evidence of lamination noticed
2	Pipe 4"	Ductility	No crack was observed
		Soundness	No evidence of lamination noticed
-	-	-	-
		-	-
-	-	-	-
		-	-
-	-	-	-
		-	-
-	-	-	-
		-	-
Only Two 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,
Resident Engineer
NESPAK
Renovation of Gaddafi Stadium Lahore Project.

Reference # CED/TFL **6234** (Dr. M Rizwan Riaz)
Reference of the request letter # RE/4860/04/MH/104

Dated: 26-12-2024
Dated: 26-12-2024

Size Test Report (Page – 3/3)
Date of Test 30-12-2024
Description MS Pipe Size Test

Sr. No.	Designation	Wall Thickness	Remark
	(inch)	(mm)	
1	1	3.40	
2	4	6.00	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only Two Samples for Test			

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,

M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **6237** (Dr. M Rizwan Riaz)
Reference of the request letter # WRD/010/LAB060

Dated: 27-12-2024

Dated: 27-12-2024

Tension Test Report (Page – 1/1)

Date of Test 30-12-2024

Description Steel Wire Rope (H/C UG) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	14 (6x19)	0.70	10100	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

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,

M/S AJ Contractors
Lahore

(Project Tawal Site ID:- TWP (PSH0011, PSH0012, PSH0018, SWB0001, FSD0008, FSD0009, FSD0002, FSD0013, GRW0001, GRW0003)

Reference # CED/TFL **6238** (Dr. M Rizwan Riaz)

Dated: 27-12-2024

Reference of the request letter # AJ Contractor /Steel/Tawal/14

Dated: 01-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024

Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.386	10	9.65	0.12	0.113	3600	5300	66138	69990	97370	103100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

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 Civil
Nishat Linen (Pvt) Limited
“Construction of Nishat Linen Fabric Godown Extension”, Lahore.

Reference # CED/TFL **6240** (Dr. M Rizwan Riaz)
Reference of the request letter # NL/ST/004

Dated: 27-12-2024
Dated: 24-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.412	10	9.98	0.12	0.121	4100	6400	75324	74600	117579	116500	1.20	15.0	Batala Steel
2	0.420	10	10.07	0.12	0.123	4100	6500	75324	73280	119416	116200	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

Resident Engineer (QA/QC Department)
Bahria Town Private Limited
Zoo Orchard at Block H Bahria Orchard.

Reference # CED/TFL **6242** (Dr. M Rizwan Riaz)
Reference of the request letter # QA/QC-Steel-3861

Dated: 27-12-2024
Dated: 11-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024
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	3700	4800	74200	75410	96200	97900	1.30	16.3	
2	0.368	3	0.371	0.11	0.108	3700	4900	74200	75410	98200	99900	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

Ref: CED/TFL/12/6244

Dated: 27-12-2024

Dated of Test: 30-12-2024

To

Assistant Director (QCD)
WASA, LDA, Lahore
(M/s Axis Constructions)

Subject: - CALIBRATION OF HYDRAULIC JACK WITH GAUGE
(MARK: TFL/12/6244)

Reference to your Letter No. QCD/2600, Dated: 24/12/2024 on the subject cited above.
One Hydraulic Jack with Gauge as received by us has been calibrated. The results are tabulated as under:

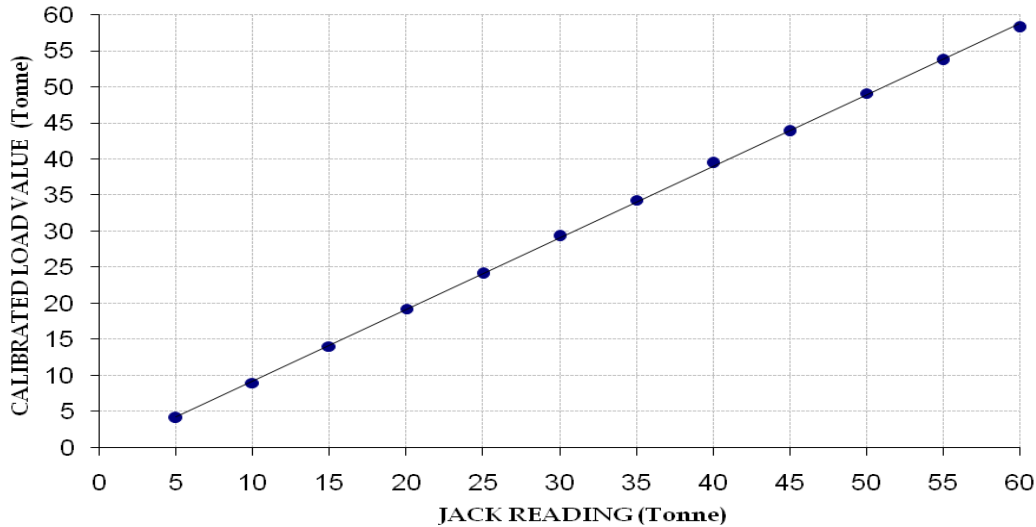
Total Range : Zero - 80 (Tonne)
Calibrated Range : Zero - 60 (Tonne)

Hydraulic Jack Reading (Tonne)		5	10	15	20	25	30	35	40	45	50	55	60
Calibrated Load	(kg)	4100	9000	14000	19200	24100	29300	34300	39400	43800	49100	53700	58200
	(Tonne)	4.10	9.00	14.00	19.20	24.10	29.30	34.30	39.40	43.80	49.10	53.70	58.20

1000 kg = 1 Tonne

Calibration Curve For Jack

Calibrated Value (Tonne) = (0.990 x Jack Reading (Tonne)) - 0.687



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,

Material Manager
Blue Horizon Consultants
1-Construction Material.

Reference # CED/TFL **6245** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 27-12-2024
Dated: 26-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024
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	Grade
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3	0.370	0.11	0.107	3500	4900	70200	71880	98200	100700	1.10	13.8	40
2	0.384	3	0.379	0.11	0.113	3000	4500	60200	58630	90200	88000	1.40	17.5	60
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#3 Bar Bend Test Through 180° is Satisfactory														

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,

Assistant Director (QCD)
WASA, LDA, Lahore.
(M/s Universal RCC Pipe Factory).

Reference # CED/TFL **6246** (Dr. M Rizwan Riaz)
Reference of the request letter # QCD/2636

Dated: 27-12-2024
Dated: 27-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test

Sr. No.	Weight	Diameter/ Size (inch)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3/8	0.371	0.11	0.108	3200	4700	64200	65100	94200	95700	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

Chief Executive Officer
CMA Engineering & Construction (Pvt) Ltd.
Partial Refurbishments of The Chancellery Building and Construction of The Man-Trap
and Consulate Section.

Reference # CED/TFL **6247** (Dr. M Rizwan Riaz)
Reference of the request letter # CMA/TK/EMB/ISB/21

Dated: 27-12-2024
Dated: 24-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024
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	0.374	3	0.374	0.11	0.110	3500	5200	70200	70230	104200	104400	1.30	16.3	
2	0.372	3	0.373	0.11	0.109	3500	5100	70200	70560	102200	102900	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.

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
- 2- The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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

To,

Deputy General Manager Works
Habib Rafiq Engineering (Pvt.) Limited
101 Tower, Lahore

Reference # CED/TFL **6250** (Dr. Usman Akmal)

Dated: 30-12-2024

Reference of the request letter # HRLE/SKG/2024/Kamran/2.550/183

Dated: 30-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024

Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	4.247	32	32.02	1.25	1.248	35600	53600	62787	62850	94533	94700	1.50	18.8	Kamran Steel
2	4.238	32	31.99	1.25	1.246	41400	58400	73016	73250	102999	103400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
32mm Dia Bar Bend Test Through 180° is Satisfactory														

Witness by M. Irfan (QC Engr. HRL) and M Akram (Sr. Site Engr. 101 Group)

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
HMB Developers (Pvt) Ltd.
Commercial Tower, Finance Trade Centre, Lahore.

Reference # CED/TFL **6251** (Dr. M Rizwan Riaz)
Reference of the request letter # HMBDPL/S.O/12/154 (LHR)

Dated: 30-12-2024
Dated: 30-12-2024

Tension Test Report (Page -1/1)

Date of Test 30-12-2024
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	0.370	3	0.372	0.11	0.109	3200	4600	64200	64800	92200	93200	1.40	17.5	1151
2	0.371	3	0.373	0.11	0.109	3300	4700	66200	66740	94200	95100	1.40	17.5	
3	0.371	3	0.373	0.11	0.109	3500	4700	70200	70740	94200	95000	1.50	18.8	31237
4	0.372	3	0.373	0.11	0.109	3500	4800	70200	70630	96200	96900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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- Sealed sample / Unsealed sample / Marked sample/Signed Samples