STRUCTURAL ENGINEERING DIVISION

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

To,

Assistant Resident Engineer
MM Pakistan (Pvt) Ltd.
"Providing and Laying of Sewerage Network (Zone-1) in Jhang City"

Reference # CED/TFL **5372** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # Nil Dated: 19-07-2024

Tension Test Report (Page -1/1)

Date of Test 31-07-2024
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	0.135	1.5	0.224	------	0.040	180	1480	------	71320	------	82500	1.60	20.0	
2	0.135	1.5	0.225	------	0.040	1280	1440	------	70960	------	79900	1.50	18.8	
3	0.253	2	0.308	------	0.074	2160	3040	------	63990	------	90100	0.80	10.0	
4	0.252	2	0.307	------	0.074	2160	3120	------	64230	------	92800	1.30	16.3	
5	0.347	3	0.361	0.11	0.102	2700	4200	54100	58300	84200	90700	1.40	17.5	
6	0.345	3	0.359	0.11	0.101	2700	4100	54100	58740	82200	89200	1.40	17.5	
Note: only six samples for tensile and three samples for bend test														
Bend Test														
#1.5 Bar Bend Test Through 180º is Satisfactory														
#2 Bar Bend Test Through 180º is Satisfactory														
#3 Bar Bend Test Through 180º 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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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,

General Manager
Jafris and Steele (Private) Limited.
Construction of Al-Munawar Residential.

Reference # CED/TFL **5421** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # Js80/520 Dated: 30-07-2024

Tension Test Report (Page # 1/1)

Date of Test 31-07-2024
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	4.204	32	31.86	1.25	1.236	38000	53800	67020	67770	94886	96000	1.40	17.5	
2	4.241	32	32.00	1.25	1.247	38200	53400	67373	67540	94181	94500	1.60	20.0	
3	4.234	32	31.97	1.25	1.244	38600	53000	68078	68370	93475	93900	1.70	18.8	
4	4.241	32	32.00	1.25	1.247	41000	55800	72311	72500	98413	98700	1.60	19.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

32mm Dia Bar Bend Test Through 180º is Satisfactory

32mm Dia 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,

QAQC Manager
Zameen Dvelopment
Zameen Neo
Construction of Zameen Neo at Plot # 13, Block-H, Gulberg III, Lahore.

Reference # CED/TFL **5422** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # ZD/QAQC/NEO& PHOENIX/05 Dated: 30-07-2024

Tension Test Report (Page -1/1)

Date of Test 31-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
(Heat # 01-05-000001)

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	0.373	0.11	0.110	3900	5100	78200	78460	102200	102700	0.90	11.3	
2	0.398	3	0.386	0.11	0.117	3900	5200	78200	73510	104200	98100	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:
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,

Garrison Engineer (Army)-I
Gujranwala
"CA No. ACE-Gwa-07/2024 – Const of Ration Store, Ramp Washing Pit and Parking Shed for 97 Sig Bn Gwa Cantt."
(M/s Shafqat Ullah & Co.)

Reference # CED/TFL **5423** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # 6180-2800/19/E-6 Dated: 26-07-2024

Tension Test Report (Page # 1/1)

Date of Test 31-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	0.378	3/8	0.376	0.11	0.111	3900	4700	78200	77330	94200	93200	0.80	10.0	Naveena Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º 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,

Garrison Engineer (Army)-I
Gujranwala
"CA No. ACE-Gwa-08/2024 - Const of Kote for 97 Sog Bn & 2 x Ammo Mag for 91 & 97 Sig Bn Gwa Cantt."
(M/s The A.K Traders.)

Reference # CED/TFL **5424** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # 6180-2801/16/E-6 Dated: 26-07-2024

Tension Test Report (Page # 1/1)

Date of Test 31-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	0.375	3/8	0.375	0.11	0.110	3500	5600	70200	69930	112300	111900	1.00	12.5	Aziz Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º 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
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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,

Garrison Engineer (Army)-I
Gujranwala
"CA No. CEA/CZ-86/2024 – Const of Bty Shop, POL Store & Water Filtration Plant for 97 Sig Bn Gwa Cantt."
(M/s Valley Group of Companies.)

Reference # CED/TFL **5425** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # 6180-2805/14/E-6 Dated: 26-07-2024

Tension Test Report (Page # 1/1)

Date of Test 31-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	0.374	3/8	0.374	0.11	0.110	3800	4900	76200	76200	98200	98300	1.00	12.5	Naveena Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º 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,

Garrison Engineer (Army)-I
Gujranwala
"CA No. CEA/CZ-75/2024 – Const 1 x MT Shed for B Veh, HQ 1 ALRG at Gwa Cantt."
(M/s SAZCOON Engineering (Pvt) Ltd.)

Reference # CED/TFL **5426** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # 6180-2796/14/E-6 Dated: 29-07-2024

Tension Test Report (Page # 1/1)

Date of Test 31-07-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	0.371	3/8	0.373	0.11	0.109	3300	4400	66200	66680	88200	88900	1.60	20.0	Mughal Supreme
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia 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,

Sadaqat Hussain
Ghani Foundation Trust
Constructing Ghani University.

Reference # CED/TFL **5427** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # Nil Dated: 19-07-2024

Tension Test Report (Page -1/1)

Date of Test 31-07-2024
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	0.364	3	0.369	0.11	0.107	3300	4700	66200	68060	94200	97000	1.10	13.8	
2	0.374	3	0.374	0.11	0.110	3400	4900	68200	68250	98200	98400	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.

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
Engineering Consultancy Services Punjab (Pvt) Limited.
"Resident Construction Supervision of Balance Works for (Rehabilitation & Renovation of Hospitals under Specialized Health Care & Medical Education Department Through Health Council / Tradition Mode, Mayo Hospital, Lahore.)"

Reference # CED/TFL **5429** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # ECSP/RE/0045 Dated: 14-05-2024

Tension Test Report (Page -1/1)

Date of Test 31-07-2024
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	0.382	3	0.378	0.11	0.112	3600	5000	72200	70590	100200	98100	1.30	16.3	
2	0.376	3	0.375	0.11	0.111	3500	4700	70200	69770	94200	93700	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.

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 / QC Engineer
NESPAK
PRSWSSP, Taunsa
Punjab Municipal Services Company
Procurement of Civil Works, South-III, Tehsil Taunsa Package TaAU-04
(Villages: Tub & Basti Buzdar)

Reference # CED/TFL **5430** (Dr. Ali Ahmed) Dated: 30-07-2024
Reference of the request letter # NESPAK/PRSWSSP/TAUNSA/ME/291 Dated: 23-07-2024

Tension Test Report (Page -1/1)

Date of Test 31-07-2024
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	0.387	3	0.381	0.11	0.114	4000	5100	80200	77480	102200	98800	0.90	11.3	AF Steel
2	0.381	3	0.378	0.11	0.112	4000	5300	80200	78700	106200	104300	0.80	10.0	
3	4.217	10	1.256	1.27	1.239	39800	53400	69100	70780	92700	95000	1.70	21.3	
4	4.260	10	1.263	1.27	1.252	39800	53000	69100	70050	92000	93300	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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.

Note:

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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,

M/S Prime Steel Re-Rolling Mills
Sheikhupura

Reference # CED/TFL **5431** (Dr. Ali Ahmed) Dated: 31-07-2024
Reference of the request letter # Nil Dated: 31-07-2024

Tension Test Report (Page -1/2)

Date of Test 31-07-2024
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	0.371	3	0.373	0.11	0.109	3200	5300	64200	64720	106200	107200	1.20	15.0	Prime Steel Heat No. 1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only one sample 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:

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,

M/S Prime Steel Re-Rolling Mills
Sheikhupura

Reference # CED/TFL **5431** (Dr. Ali Ahmed) Dated: 31-07-2024
Reference of the request letter # Nil Dated: 31-07-2024

Tension Test Report (Page -2/2)

Date of Test 31-07-2024
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	0.378	3	0.376	0.11	0.111	3100	5200	62200	61580	104200	103300	1.20	15.0	Prime Steel Heat No. 2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only one sample 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:

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