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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 Lahore Ring Road Project – Kamahan Hostel Building SL 1& 2.

Reference # CED/TFL **6069** (Dr. M Kashif)

Dated: 01-12-2024

Reference of the request letter # 2636/103/AQC/SL/02/664 Dated: 27-11-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.378	3	0.376	0.11	0.111	3470	4890	69600	68800	98000	97000	1.20	15.0	ıza el
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hunza Steel
-	-	-	-	1	-	1	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	or tensile	and one	sample f	or bend t	est			
#2	Don Don	d Tagt	Flamou ~1	. 1000 ::	a Satisfa	atom.	Bend T	est						
#3	Bar Ben	a rest	ınrougr	1 180° 18	s Satisfa	ictory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

Project Manager
7 Canal Developers
7 Canal Residential Apartment Buildings

Reference # CED/TFL <u>6077 (Dr. M Kashif)</u>
Reference of the request letter # Nil

Dated: 02-12-2024

Dated: 02-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.384	3	0.379	0.11	0.113	3310	4300	66400	64580	86200	83900	1.00	12.5	
2	0.383	3	0.378	0.11	0.113	3380	4380	67800	66220	87800	85900	1.20	15.0	
-	-	1	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	_	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	•		
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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

CHONER MOCKET

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 Metroplan - Asian Jv Establishment Jinnah Institute of Cardlogy at Jinnah Hospital Lahore.

Reference # CED/TFL <u>6079 (Dr. M Kashif)</u> Dated: 03-12-2024 Reference of the request letter # Metroplan-Asian JV JIC-JHL-RE-301-2024 Dated: 02-12-2024

Tension Test Report (Page - 1/2)

Date of Test 06-12-2024 Gauge length 2 inches

Description M.S Seamless Pipe Steel Strip Tensile Test

Sr. No.	(honi) Designation		(mm) Size of Strip	X Section Area	(kg)	(gk) Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	M.S Seamless Pipe	1	25.00x3.40	86.70	3300	4500	381	519	0.50	25.00	
2	M.S Seamless Pipe	4	24.20x6.10	147.62	5400	7400	359	492	0.60	30.00	
-	-	-	-	-	-	-	-	-	-	-	
-			-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	ı	-	
-			-	-	-	-	-	-	ı	-	
-	-	-	-	-	-	-	-	-	-	-	
-			-	-	-	-	-	-	-	-	
			Only T	wo Samp	oles for T	ensile T	<u>'est</u>	<u> </u>			
				Ber	ıd Test		<u> </u>	<u> </u>			

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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

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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 Metroplan - Asian Jv Establishment Jinnah Institute of Cardlogy at Jinnah Hospital Lahore.

Reference # CED/TFL 6079 (Dr. M Kashif)

Dated: 03-12-

2024

Reference of the request letter # Metroplan-Asian JV JIC-JHL-RE-301-2024

Dated: 02-12-

2024

Weight & Size Test Report (Page – 4/4)

Date of Test 06-12-2024

Description M.S Seamless Pipe Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	External Diameter	Internal Diameter	Wall Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	(mm)	
1	1	252	101.7	2.48	32.60	25.84	3.38	
2	4	1644	101.9	16.13	113.4	101.20	6.10	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	1	-	-	
			Only Two	Samples	for Test			

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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

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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 Metroplan - Asian Jv Establishment Jinnah Institute of Cardlogy at Jinnah Hospital Lahore.

Reference # CED/TFL 6080 (Dr. M Kashif)

Reference of the request letter # Metroplan-Asian JV JIC-JHL-RE-298-2024

Dated: 03-12-2024

Dated: 02-12-2024

Tension Test Report (Page – 1/1)

Date of Test 06-12-2024 Gauge length 2 inches

Description G.I Sheet Strip Tensile Test

Sr. No.	Designation	D.	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(sw _§	g)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)	0	
1	GI Sheet	22	26.30xs0.8 0	21.04	500	760	233	354	0.50	25.00	
-	-	-	-	-	Ī	-	-	-	1	-	
-	-	-	-	-	-	-	-	-	-	-	
-			-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-			-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-			-	-	-	-	-	-	-	-	
1			Only (ne Samj	ole for T	ensile T	est	·			
				Ber	nd Test						

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

Manager Projects REDO SPL Boiler Civil Works at StarchPack Plant, Kasur.

Reference # CED/TFL <u>6081 (Dr. M Kashif)</u>

Reference of the request letter # QC/TST/2371-001

Dated: 03-12-2024

Dated: 02-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)	Ultimat (p	e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.407	3	0.390	0.11	0.120	4050	5070	81200	74570	101600	93400	1.10	13.8	
2	0.412	3	0.393	0.11	0.121	4180	5250	83800	76060	105200	95600	1.10	13.8	
-	-	1	-	ı	-	1	-	-	-	_	1	-	1	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	_	_	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	for bend t	est			
							D 1 =							
	D D	1.00	T1 1	1000:	g .: 2		Bend T	est						
#3	Bar Ben	d Test	Through	1 180° 18	s Satisfa	ictory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

M/S Vision Engineering (Pvt) Ltd Lahore

Reference # CED/TFL <u>6083 (Dr. M Kashif)</u>

Reference of the request letter # VECO/2024/0518/1755

Dated: 03-12-2024

Dated: 03-12-2024

Tension Test Report (Page - 1/1)

Date of Test 06-12-2024 Gauge length 600 mm

Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield st clause	_	Breal strength (6.2	clause	% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)	%	Rema
1	9.53 (3/8")	430.0	433.0	8200	80.44	9800	96.14	<3.50 Not ok	2
2	9.53 (3/8")	430.0	434.0	10600	103.99	11500	112.82	>3.50	4
3	9.53 (3/8")	430.0	434.0	11000	107.91	11500	112.82	>3.50	5
-	-	-	-	1	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	

Only three samples for Test

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

Sub Divisional Officer PHE Sub Division-I, DG Khan (Sewerage Line from Gadai Chungi to Circuit House DeraGhazi Khan.)

Reference # CED/TFL <u>6084 (Dr. M Kashif)</u>
Reference of the request letter # 26

Dated: 03-12-2024

Dated: 18-11-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test

Sr. No.	Weight	Si	neter/ ze ch)		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.094	3/16	0.187		0.028	1120	1270		89720		101800	0.80	10.0	
2	0.095	3/16	0.189		0.028	1120	1290		88090		101500	0.80	10.0	
-	-	1	-	-	ı	-	-	1	-	-	-	-	-	
-	-	1	-	-	-	-	-	-	-	-	-	_	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend	test	1	Γ	
							Bend T	est						
3/1	6" Dia E	Bar Ben	d Test 7	l'hrough	180° is	Satisfact	ory							

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To

Project Manager AR Enterprise Alfatah Emall Project.

Reference # CED/TFL <u>6086 (Dr. M Kashif)</u>

Reference of the request letter # AEM/ST/UET/14/10

Dated: 03-12-2024

Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		ieter/ ze		ea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.379	3	0.377	0.11	0.111	3570	5250	71600	70580	105200	103800	1.10	13.8	ı
-	0.376	3	0.375	0.11	0.111	3410	5220	68400	68010	104600	104100	1.20	15.0	Markhor Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Ma
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1	1	1
#3	Bar Ben	d Test	Through	180° is	S Satisfa	ectory	Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

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



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

To.

Project Manager, HIGH-Q Construction of HIGH-Q Mall at 3-A, Gulberg II, Lahore.

Reference # CED/TFL 6098 (Dr. M Kashif)

Dated: 03-12-2024

Reference of the request letter # QC/HQ/CIVIL/247 Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze m)		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
8	(tl/sdl)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	R
1	0.358	10	9.30	0.12	0.105	3260	4610	59892	68290	84693	96600	1.40	17.5	
2	0.358	10	9.30	0.12	0.105	3470	4660	63750	72580	85612	97500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1		
							Bend T	est						
10r	nm Bar	Bend T	est Thro	ough 18	0° is Sa	tisfactory	,							

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

Engineer's Representative NESPAK - TurkPak JV Construction of Green Building for EMC, EPD and Allied New Entities Established under PGDP (DLI-2, PGDP) Lahore

Reference # CED/TFL <u>6091 (Dr. M Kashif)</u> Dated: 04-12-2024

Reference of the request letter # 4731/MAA/03/120 Dated: 02-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2023 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.367	3	0.371	0.11	0.108	3310	5170	66400	67650	103600	105700	1.00	12.5	ır
2	0.369	3	0.372	0.11	0.108	3260	5150	65400	66280	103200	104800	1.10	13.8	Markhor
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Ma
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test			
							Bend T	`est						
#3	Bar Ben	d Test 7	Through	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

Resident Engineer Al-Imam Enterprises (Pvt) Ltd. Construction of Zonal Office Building of Bank Al Habib Limited, Main Boulevard Gulberg, Lahore. (Civil & Structure Works Package.)

Reference # CED/TFL <u>6092 (Dr. M Kashif)</u>

Reference of the request letter # ALM/BAHL/0412/1204

Dated: 04-12-2024

Dated: 04-12-2024

Tension Test Report (Page -1/2)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		ee Stress si)	Elongation	% Elongation	Remarks
6 2	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	H %	R
1	0.363	3	0.368	0.11	0.107	3360	4150	67400	69500	83200	85900	1.40	17.5	
2	0.366	3	0.370	0.11	0.108	4050	4760	81200	83000	95400	97600	1.00	12.5	Mughal Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Ĭ Š
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			No	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

Resident Engineer Al-Imam Enterprises (Pvt) Ltd. Construction of Zonal Office Building of Bank Al Habib Limited, Main Boulevard Gulberg, Lahore. (Civil & Structure Works Package.)

Reference # CED/TFL <u>6092 (Dr. M Kashif)</u>

Reference of the request letter # ALM/BAHL/0412/1204

Dated: 04-12-2024

Dated: 04-12-2024

Tension Test Report (Page -2/2)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		ieter/ ze	Ar (ir	rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	4.204	10	1.254	1.27	1.236	38600	53400	67000	68850	92700	95300	1.50	18.8	1
2	4.223	10	1.257	1.27	1.241	38600	53800	67000	68550	93400	95600	1.70	21.3	Mughal Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	X S
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			No	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
#10) Bar Be	nd Test	Throug	gh 180°	is Satist	factory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To

Sub Divisional Officer
Building Sub Division
Punjab Assembly, Lahore.
(Construction of Press Briefing Hall at Provincial Assembly of The Punjab alongwith Allied Facilities in Punjab Assembly Building Lahore.)

Reference # CED/TFL 6093 (Dr. M Kashif)

Reference of the request letter # 1272 Dated: 02-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze ch)		rea n²)	Yield load	Breaking Load		Stress si)	Ultimat (p	e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.383	3/8	0.378	0.11	0.112	3590	5220	72000	70360	104600	102300	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	ı	-	-	-	-	-	1	-	-	1	-	1	
-	ı	ı	-	-	-	-	-	ı	-	-	ı	-	ı	
1	-	-	-	-	-	-	-	-	-	-	-	-	1	
		Note: only one sample for tensile and one sample for bend test												
							Bend T	est						
3/8	" Dia Ra	ır Bend	Test Tl	rough	180° is 9	Satisfacto		Cot						

3/8" Dia Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 04-12-2024

- 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



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

To,

Head Construction Site
ABL – UML P-199 & 200
Allied Bank
Construction of ABL Upper Mall Lahore Plot No. 199, 200.

Reference # CED/TFL <u>6094 (Dr. M Kashif)</u>

Reference of the request letter # ABL-UML-AMC-QAQC-100

Dated: 04-12-2024

Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		ieter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.370	3	0.372	0.11	0.109	3570	4740	71600	72280	95000	96000	1.20	15.0	el el
2	0.368	3	0.371	0.11	0.108	3590	4710	72000	73230	94400	96100	1.10	13.8	FF Steel
-	-	-	-	-	-	-	-	-	-	-	-	_	-	
-	1	1	-	ı	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
		Note: only two samples for tensile and one sample for bend test											1	
#3	Bar Ben	d Test T	Chrough	1800 i	s Satisfa	ctory	Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To

Sub Divisional Officer
Building Sub Division No. 12
Lahore
(Revamping of Old Block of Punjab Institute of Mental Health Lahore (OPD Block))

Reference # CED/TFL 6095 (Dr. M Kashif)

Reference of the request letter # 631

Dated: 04-12-2024

Dated: 30-11-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze ch)		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	T %	R
1	0.355	3/8	0.364	0.11	0.104	3690	4760	74000	77970	95400	100600	1.10	13.8	e e
2	0.362	3/8	0.368	0.11	0.106	3690	4860	74000	76460	97400	100800	1.20	15.0	FF Steel
-	-	-	_	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1	ı	
							Bend T	est						
3/8	" Dia Ba	r Bend	Test Th	rough	180° is \$	Satisfacto	ory							

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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 Allah Yasir Pipe Factory.)

Reference # CED/TFL <u>6096 (Dr. M Kashif)</u> Dated: 04-12-2024

Reference of the request letter # QCD/2425 Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		ieter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.370	3	0.372	0.11	0.109	3920	4940	78600	79340	99000	100000	1.10	13.8	
-	-	1	-	1	-	-	-	-	-	-	-	-	-	
-	-	1	-	1	-	-	-	-	-	-	-	-	-	
-	-	-	-	ı	-	-	-	-	-	-	-	-	-	
-	-	ı	-	ı	-	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	-	-	-	-	-	-	
			Note: only one sample for tensile and one sample for bend test										1	
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ectory	Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

Resident Engineer NESPAK

Expansion of Joint Chek Post Wagha, Lahore.

Reference # CED/TFL <u>6097 (Dr. M Kashif)</u>

Reference of the request letter # 4749/031/YK/01/102

Dated: 04-12-2024

Dated: 04-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.373	3	0.374	0.11	0.110	3180	4840	63800	63860	97000	97200	1.50	18.8	el Z
2	0.372	3	0.373	0.11	0.109	3130	4590	62800	63170	92000	92700	1.60	20.0	Aziz Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Note: only two samples for tensile and one sample for bend										1		1
							Bend T	est est						
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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 Reconstruction of Lady Willingdon Hospital, Lahore.

Reference # CED/TFL <u>6099 (Dr. M Kashif)</u>

Reference of the request letter # 4729/13/MA/04/143

Dated: 04-12-2024

Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-11-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.373	3	0.373	0.11	0.110	3430	5050	68800	69030	101200	101700	1.20	15.0	ء el
2	0.372	3	0.373	0.11	0.109	3410	5050	68400	68830	101200	102000	1.20	15.0	AF Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	_	-	-	-	-	
			No	test										
#2	Rar Ran	d Test T	Through	1200 ;	Satisfa	etory	Bend T	est						
#3	Bar Ben	u rest	ı nrougn	1 180° 18	s Sausta	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To

Sub Divisional Officer
Buildings Sub Division,
Mankkera
(Programme for Revamping of 552 BHU's of North & Central Punjab (Phase-I))
(One at BHU Chak No. 67 ML Tehsil Mankera.)

Reference # CED/TFL <u>6100 (Dr. M Kashif)</u> Reference of the request letter # 264

Tension Test Report (Page -1/1)

Date of Test 06-11-2024 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Si	neter/ ze ch)		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.377	3/8	0.376	0.11	0.111	3470	5070	69600	69060	101600	100900	1.10	13.8	
2	0.379	3/8	0.377	0.11	0.111	3430	5050	68800	67890	101200	100000	1.20	15.0	
-	-	ı	-	ı	-	-	-	ī	-	-	-	-	-	
-	-	ı	-	•	-	-	-	ı	-	-	-	-	-	
-	-	ı	-	•	-	-	-	ı	-	-	-	-	-	
-	-	1	-	ı	-	-	-	ī	-	-	-	-	-	
				1	Not	e: only t	wo sampl	es for ter	nsile test	1	1	1	1	
							Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 04-12-2024

Dated: 10-11-2024

- 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



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

To

Sub Divisional Officer Buildings Sub Division, Bhakkar (Programme for Revamping of 552 BHU's of North & Central Punjab (Phase-I))

(Revamping of Basic Health Unit at District Bhakkar, One at Notak.)

Reference # CED/TFL 6101 (Dr. M Kashif) Reference of the request letter #836

Tension Test Report (Page -1/1)

Date of Test 06-11-2024 Gauge length 8 inches

Deformed Steel Bar Tensile Test as per ASTM-A615 Description

Sr. No.	Weight	Si	neter/ ze ch)		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.376	3/8	0.375	0.11	0.111	3470	4990	69600	69190	100000	99500	1.10	13.8	
2	0.376	3/8	0.375	0.11	0.110	3430	5010	68800	68470	100400	100100	1.20	15.0	
-	-	ı	-	-	-	-	-	ı	-	-	-	-	-	
-	-	ı	-	1	-	-	-	ı	-	-	-	-	-	
-	-	ı	-	1	-	-	-	ı	-	-	-	-	-	
-	-	1	-	1	-	-	-	ī	-	-	-	-	-	
					Not	e: only t	wo sampl	es for ter	nsile test	1		1	1	
							Bend T	est						

I/C Testing Laboratoires **UET Lahore, Pakistan.**

Dated: 04-12-2024

Dated: 19-10-2024

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



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

To,

Project Manager, HIGH-Q

Construction of HIGH-Q Tower at CBD, Lahore.

Reference # CED/TFL 6102 (Dr. M Kashif)

Reference of the request letter # QC/HQ/CIVIL/001 Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze m)		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Ŗ
1	0.367	10	9.41	0.12	0.108	3690	5580	67791	75390	102514	114100	1.00	12.5	
2	0.358	10	9.30	0.12	0.105	3720	5580	68343	77850	102514	116800	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
10ı	nm Bar	Bend T	est Thro	ough 18	0° is Sa	tisfactory								

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

- 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



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

To

Sub Divisional Officer
Buildings Sub Division,
Bahawalnagar
(Revamping of 581 BHUS of South Punjab (Phase-I) Basic Health Units of District
Bahawalnagar Tehsil Bahawalnagar.)

Reference # CED/TFL <u>6103 (Dr. M Kashif)</u> Reference of the request letter # 6017

Tension Test Report (Page -1/1)

Date of Test 06-11-2024 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze ch)		rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.377	3/8	0.376	0.11	0.111	4030	4560	80800	80110	91400	90700	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	_	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	_	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only one sample for tensile and one sample for bend test													
							Bend T	est						
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is \$	Satisfacto	ry							

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 30-09-2024

- 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



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

To

Resident Engineer (UOS) - DCS Development Consultancy Services (Pvt) Ltd. Development of University of Sahiwal at District Sahiwal (Construction of Academic Block, Admin Block, Mosque and External Development.)

Reference # CED/TFL 6104 (Dr. M Kashif)

Reference of the request letter # DCS/RE/UOS/2024/1205

Dated: 05-12-2024

Dated: 05-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-12-2024 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.381	3	0.378	0.11	0.112	3920	4960	78600	77050	99400	97500	0.80	10.0	ζ eme
2	0.381	3	0.378	0.11	0.112	3890	4990	78000	76590	100000	98300	1.00	12.5	AK Supreme
-	ı	-	-	ı	-	ı	-	-	-	-	-	-	-	
-	1	•	1	ı	-	ı	-	•	-	-	-	-	•	
-	1	•	1	ı	-	ı	-	•	-	-	-	-	•	
-	-	-	-	1	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			1
#3	Bar Ben	d Test '	Through	1800 i	Satisfa	etory	Bend T	est						
#3	Dai Dell	u 168t	i iii ougi	1 100 1	Sausta	icioi y								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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



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

To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-083/24

Tension Test Report (Page – 1/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um)		(mm) Size of Strip	X Section Area	(kg)	Breaking Control Contr	(MPa)	(BdW) Ultimate Stress	(ii) Elongation	% Elongation	Remarks
1	TT-01	38	27.50x38.30	1053.25	44600	52400	415	488	1.40	70.00	
2	TT-02	38	25.30x38.30	968.99	43000	49600	435	502	1.40	70.00	
-	-	1	-	-	-	-	-	ı	1	-	
-	ı	1	-	-	-	ı	-	ı	1	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
			Only	Two San	ples for	Tensile To	est			1	
	Bend Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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

To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-082/24

Tension Test Report (Page -2/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um) Designation		(mm) Size of Strip	X Section Area	(kg)	(gay) Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	TT-01	30	26.40x32.40	855.36	33400	49400	383	567	1.00	50.00	
2	TT-02	30	25.90x32.40	839.16	34800	49200	407	575	1.30	65.00	
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			Only	Two San	ples for	Tensile To	est	Π	<u> </u>	T	
	Bend Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-081/24

Tension Test Report (Page -3/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um)		(mm) Size of Strip	X Section Area	(kg)	(g Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	TT-01	25	22.00x25.30	556.60	19800	31600	349	557	1.10	55.00	
2	TT-02	25	21.80x25.30	551.54	19600	31200	349	555	1.20	60.00	
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			Only	Two San	nples for	Tensile T	est	T		F	
	Bend Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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

To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-080/24

Tension Test Report (Page – 4/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um) Designation		(mm) Size of Strip	X Section Area	(kg)	Breaking Coad Load	(MPa)	(BdW) Ultimate Stress	(ii) Elongation	% Elongation	Remarks
1	TT-01	20	27.40x19.60	537.04	19400	29600	354	541	1.00	50.00	
2	TT-02	20	27.80x20.10	558.78	20400	30000	358	527	1.10	55.00	
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			Only	Two San	nples for	Tensile To	est			1	
	Bend Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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

To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-079/24

Tension Test Report (Page - 5/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

		(mm) Size of Strip	X Section Area Area	(kg)	(ga) Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
TT-01	16	28.40x15.40	437.36	18000	22600	404	507	1.10	55.00	
TT-02	16	28.40x15.60	443.04	18000	22500	399	498	1.20	60.00	
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Bend Test										
	(mn TT-01 TT-02	TT-02 16	(mm) (mm) TT-01 16 28.40x15.40 TT-02 16 28.40x15.60 - - - - - - - - - - - - - - - - - - - - -	(mm) (mm) (mm²) TT-01 16 28.40x15.40 437.36 TT-02 16 28.40x15.60 443.04 - - - - - - - - - - - - - - - - - - - - - - - - - - - - Only Two San	(mm) (mm) (mm²) (kg) TT-01 16 28.40x15.40 437.36 18000 TT-02 16 28.40x15.60 443.04 18000 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <td>(mm) (mm²) (kg) (kg) TT-01 16 28.40x15.40 437.36 18000 22600 TT-02 16 28.40x15.60 443.04 18000 22500 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <</td> <td>(mm) (mm²) (kg) (kg) (MPa) TT-01 16 28.40x15.40 437.36 18000 22600 404 TT-02 16 28.40x15.60 443.04 18000 22500 399 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -</td> <td>(mm) (mm²) (kg) (kg) (MPa) (MPa) TT-01 16 28.40x15.40 437.36 18000 22600 404 507 TT-02 16 28.40x15.60 443.04 18000 22500 399 498 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -</td> <td>(mm) (mm²) (kg) (kg) (MPa) (MPa) (in) TT-01 16 28.40x15.40 437.36 18000 22600 404 507 1.10 TT-02 16 28.40x15.60 443.04 18000 22500 399 498 1.20 -</td> <td>(mm) (mm²) (kg) (kg) (MPa) (MPa) (in) TT-01 16 28.40x15.40 437.36 18000 22600 404 507 1.10 55.00 TT-02 16 28.40x15.60 443.04 18000 22500 399 498 1.20 60.00 - - - - - - - - - - - - - - - - - - - - - -<</td>	(mm) (mm²) (kg) (kg) TT-01 16 28.40x15.40 437.36 18000 22600 TT-02 16 28.40x15.60 443.04 18000 22500 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <	(mm) (mm²) (kg) (kg) (MPa) TT-01 16 28.40x15.40 437.36 18000 22600 404 TT-02 16 28.40x15.60 443.04 18000 22500 399 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	(mm) (mm²) (kg) (kg) (MPa) (MPa) TT-01 16 28.40x15.40 437.36 18000 22600 404 507 TT-02 16 28.40x15.60 443.04 18000 22500 399 498 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	(mm) (mm²) (kg) (kg) (MPa) (MPa) (in) TT-01 16 28.40x15.40 437.36 18000 22600 404 507 1.10 TT-02 16 28.40x15.60 443.04 18000 22500 399 498 1.20 -	(mm) (mm²) (kg) (kg) (MPa) (MPa) (in) TT-01 16 28.40x15.40 437.36 18000 22600 404 507 1.10 55.00 TT-02 16 28.40x15.60 443.04 18000 22500 399 498 1.20 60.00 - - - - - - - - - - - - - - - - - - - - - -<

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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

To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-078/24

Tension Test Report (Page – 6/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um)		(mm) Size of Strip	X Section Area	(kg)	(g Breaking Load	(MPa)	(BAW) Ultimate Stress	(ii) Elongation	% Elongation	Remarks
1	TT-01	12	28.20x11.70	329.94	15600	20700	464	615	1.00	50.00	
2	TT-02	12	28.20x11.80	332.76	15600	20600	460	607	1.00	50.00	
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			Only	Two San	ples for	Tensile To	est			1	
	Bend Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-077/24

Tension Test Report (Page – 7/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um)		(mm) Size of Strip	X Section Area Area	(kg)	(gay) Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	TT-01	10	28.00x9.70	271.60	14000	16600	506	600	0.90	45.00	
2	TT-02	10	28.00x9.70	271.60	14000	16700	506	603	0.90	45.00	
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I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-076/24

Tension Test Report (Page – 8/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um)		(mm) Size of Strip	X Section Area	(kg)	(g Breaking Load	(MPa)	Ultimate Stress	(ii) Elongation	% Elongation	Remarks
1	TT-01	8	29.00x7.80	226.20	10100	13100	438	568	1.00	50.00	
2	TT-02	8	29.10x7.80	226.98	10100	13100	437	566	0.90	45.00	
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			Only	Two San	nples for	Tensile T	est				
	Bend Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-075/24

Tension Test Report (Page – 9/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um)		(mm) Size of Strip	X Section Area Area	(kg)	(gay) Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	TT-01	6	26.00x5.75	149.50	7700	9500	505	623	0.80	40.00	
2	TT-02	6	28.10x5.80	162.98	8200	10600	494	638	0.80	40.00	
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			Only	Two San	nples for	Tensile T	est				
				B	end Test						

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-074/24

Tension Test Report (Page – 10/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	nm)		(mm) Size of Strip	X Section Area Area	(kg)	(gay) Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	TT-01	5	28.40x5.00	142.00	7000	8800	484	608	0.90	45.00	
2	TT-02	5	25.50x5.10	130.05	6300	8000	475	603	0.90	45.00	
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-	-	1	-	-	-	-	-	-	-	-	
			Only	Two San	ples for	Tensile T	est			1	
			<u> </u>	В	end Test						

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-073/24

Tension Test Report (Page – 11/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description HR Plate Steel Strip Tensile Test

Sr. No.	um) Designation		(mm) Size of Strip	X Section Area	(kg)	Breaking Control Contr	(MPa)	(BAW) Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	TT-01	4	28.50x4.00	114.00	5200	6300	447	542	0.90	45.00	
2	TT-02	4	25.60x3.75	96.00	4800	5700	491	582	0.80	40.00	
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-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	
			Only	Two San	ples for	Tensile T	est				
			<u> </u>	В	end Test		<u> </u>			1	·

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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

To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-085/24

Tension Test Report (Page – 12/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description GI Strip Tensile Test

Sr. No.	um)		(mm) Size of Strip	X Section Area	(kg)	(g Breaking Load	(MPa)	Ultimate Stress	(ii) Elongation	% Elongation	Remarks
1	TT-01	2	25.60x1.80	46.08	2240	2680	477	571	0.60	30.00	
2	TT-02	2	25.80x1.80	46.44	2240	2640	473	558	0.60	30.00	
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			Only	Two San	ples for	Tensile T	est	Г		T	
	Bend Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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

To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-086/24

Tension Test Report (Page – 13/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description GI Strip Tensile Test

Sr. No.	(mm) Designation		(mm) Size of Strip	X Section Area Area	(kg)	(gay) Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks		
1	TT-01	2.5	25.60x2.50	64.00	3540	3920	543	601	0.50	25.00			
2	TT-02	2.5	25.50x2.30	58.65	3560	3920	595	656	0.50	25.00			
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-	-	1	-	-	-	1	-	-	1	-			
	Only Two Samples for Tensile Test												
	Bend Test												

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

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To,

M/S Banu Mukhtar Steel (Pvt) Ltd. Lahore

Reference # CED/TFL <u>6105 (Dr. M Kashif)</u> Reference of the request letter # BMSQA.QC-084/24

Tension Test Report (Page – 14/14)

Date of Test 06-12-2024 Gauge length 2 inches

Description GI Strip Tensile Test

Sr. No.	(mm) Designation				(mm) Size of Strip	X Section Area	(kg)	(gay) Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	TT-01	1.5	25.60x1.20	30.72	1400	1840	447	588	0.70	35.00			
2	TT-02	1.5	25.40x1.30	33.02	1400	1840	416	547	0.80	40.00			
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	Only Two Samples for Tensile Test												
	Bend Test												

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 03-12-2024

- 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



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

To

Sub Divisional Officer
Buildings Sub Division,
Sillanwali (tehsil Sahiwal)

(Programme for Revamping of 552 BHU's of North & Central Punjab – Basic Health Units of District & Tehsil Sargodha, Tehsil Kot Momin & Tehsil Sahiwal (Phase-I))

Reference # CED/TFL <u>6106 (Dr. M Kashif)</u> Reference of the request letter # E-24/209

Tension Test Report (Page -1/1)

Date of Test 06-11-2024 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size							rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re				
1	0.379	3	0.377	0.11	0.112	3300	4800	66200	65220	96200	94900	1.40	17.5					
2	0.376	3	0.375	0.11	0.110	3300	4900	66200	65830	98200	97800	1.40	17.5					
-	-	-	-	-	-	-	_	-	-	-	-	-	-					
-	-	-	-	-	-	-	-	-	-	-	-	-	-					
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-	-	-	-	-	-	-	_	-	-	-	-	-	-					
	Note: only two samples for tensile test																	
							Bend T	est est										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 05-12-2024

Dated: 16-10-2024

- 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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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) Ltd. Model Cattle Market Shahpur Kanjra, Lahore.

Reference # CED/TFL 6109 (Dr. M Kashif)

Reference of the request letter # ECSP/MCML/10

Dated: 06-12-2024

Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-11-2024 Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size		r/ Area (in²)				Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.370	3	0.372	0.11	0.109	4100	5100	82200	83180	102200	103500	0.80	10.0	an
2	0.368	3	0.371	0.11	0.108	4200	5200	84200	85580	104200	106000	0.80	10.0	Kisan
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only two samples for tensile and one sample for bend test												1	
	Bend Test													
#3	#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

Resident Engineer Engineering Consultancy Services Punjab (Pvt) Ltd. Model Cattle Market Shahpur Kanjra, Lahore.

Reference # CED/TFL 6109 (Dr. M Kashif)

Reference of the request letter # ECSP/MCML/10

Dated: 06-12-2024

Dated: 03-12-2024

Tension Test Report (Page -1/1)

Date of Test 06-11-2024 Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size				Area (in ²) Breaking Load Load Load Load Load Load Load Load					Elongation	% Elongation	Remarks	
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.376	3	0.375	0.11	0.111	3300	4600	66200	65820	92200	91800	0.80	10.0	an
2	0.376	3	0.375	0.11	0.111	3200	4600	64200	63750	92200	91700	0.80	10.0	Kisan
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only two samples for tensile and one sample for bend test													
	Bend Test													
#3	#3 Bar Bend Test Through 180° is Satisfactory													

I/C Testing Laboratoires UET Lahore, Pakistan.

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