

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

To, M/S Transtech Engineering Company NESPAK-CMEC PTPL

Construction of 1263 MW Punjab Thermal Power Plant, Jhang (Ittehad Steel)

Reference # CED/TFL 1149 (Dr. Ali Ahmed)

Reference of the request letter # TEC/UET/22032001

Dated: 29-03-2022

Dated: 28-03-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze m)		rea 1 <sup>2</sup> )	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Heat No.
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	Э %	H
1	0.414	10	10.00	0.12	0.122	3300	5200	60627	59760	95533	94200	1.40	17.5	1409
2	0.408	10	9.92	0.12	0.120	3300	5100	60627	60700	93696	93800	1.50	18.8	41
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			N	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend t	test			
							Bend T	est						
10r	nm Dia	Bar Be	nd Test	Throug	h 180° i	s Satisfac	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
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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,
Executive Engingineer
Highway Division Khushab
(Dualization of Sargodha Khushab Mianwali Road in District Shushab Group-II from km no.
211.50 to 222.25 = Length 10.75 in District Khushab)

Reference # CED/TFL <u>1150 (Dr. Ali Ahmed)</u>
Reference of the request letter # 174/CB
Dated: 29-03-2022
Dated: 22-01-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight		neter/ ze	Aı (iı	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)	∃ %	Re
1	0.380	3	0.377	0.11	0.112	3500	5300	70200	69090	106200	104700	1.10	13.8	
2	0.376	3	0.375	0.11	0.111	3400	5200	68200	67790	104200	103700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	1	-	-	-	-	1	
-	-	-	-	1	-	-	-	1	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		T	1		Not	e: only t	wo sampl	es for ter	nsile test	1	ı	1		
							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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# Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To, Mr. Umar Safdar Madison Square 92-B-II Gulberg-III, Lahore

Reference # CED/TFL 1151 (Dr. Ali Ahmed)

Reference of the request letter # Nil

Dated: 29-03-2022

Dated: 28-03-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 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
<i>S</i> 2	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.386	3	0.380	0.11	0.113	4000	5200	80200	77730	104200	101100	1.00	12.5	a m
2	0.388	3	0.381	0.11	0.114	4200	5400	84200	81260	108200	104500	0.90	11.3	Batala Premium
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			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	Through	180° is	s Satisfa	ictory								

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,
Principal Architect
Z.H. Kazmi & Associates
Expansion Works at Allied Bank Limited Warehouse 18-Hazari Jhang

Reference # CED/TFL 1153 (Dr. Ali Ahmed)

Reference of the request letter # Nil

Dated: 29-03-2022

Dated: 28-03-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze		rea 1 <sup>2</sup> )	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
<b>S</b> 2	(lbs/ft)	Nominal (#)	Actual (inch)			(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	<b>3</b> %	R
1	0.375	3	0.375	0.11	0.110	3900	4900	78200	78010	98200	98100	1.20	15.0	
2	0.374	3	0.374	0.11	0.110	3900	4900	78200	78130	98200	98200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	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	Γhrough	180° is	s Satisfa	ctory								

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,
Project Manager
Daniyal Enterprises
57-C BWC DHA Phae 8 Project Lahore

Reference # CED/TFL <u>1154 (Dr. Ali Ahmed)</u>

Reference of the request letter # Nil

Dated: 29-03-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 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)			(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	∃%	Re
1	0.386	3	0.380	0.11	0.113	3600	4700	72200	69920	94200	91300	1.40	17.5	
2	0.387	3	0.381	0.11	0.114	3700	4700	74200	71640	94200	91000	1.40	17.5	
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			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	`est						
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ctory								

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, Ittefaq Building Solutions Pvt. Ltd Lahore (Kohinoor Textile Mill Raiwind, Lahore)

Reference # CED/TFL 1155 (Dr. Ali Ahmed)

Reference of the request letter # IBS/KTML/ST 05

Dated: 29-03-2022

Dated: 29-03-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze m)		rea m²)	Yield load	Breaking Load		Stress Pa)		e Stress Pa)	Elongation	% Elongation	Remarks
<b>S</b> 2	(kg/m)	Nominal	Actual	Nominal	, ,		(kg)	Nominal	Actual	Nominal	Actual	(inch)	Э %	R
1	0.612	10	9.96	79.0	77.9	4200	5500	521	529	683	692	1.20	15.0	
2	0.619	10	10.02	79.0	78.9	4100	5400	509	510	671	671	1.20	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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			N	ote: on	y two s	amples f	or tensile	and one	sample f	or bend t	test			
							Bend T	est						
101	nm Dia	Bar Be	nd Test	Throug	h 180° i	s Satisfac	ctory							

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, Quality Control Engineer Rizwan Nazir Consulting Engineers Construction of Energy Centre of Excellence in QATPL, Bhikki, Sheikhupura

Reference # CED/TFL 1156 (Dr. Ali Ahmed)

Reference of the request letter # UET/ECOC-QATPL/RNCE/004

Dated: 29-03-2022

Dated: 28-03-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 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	0.384	3	0.379	0.11	0.113	3100	4500	62200	60510	90200	87900	1.40	17.5	d
2	0.366	3	0.370	0.11	0.108	3100	4700	62200	63550	94200	96400	1.30	16.3	Ittehad Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	It
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			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	Through	180° is	s Satisfa	ctory								
											<u>-</u>			

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, Sub Divisional Officer Buildings Sub Division Mandi Bahaudin

(Provision of Infrastructural, Academic and Operational Facilities to The Punjab University of Technology, Rasul Mandi Bahaudin (Construction of Academic Block No.1)(Group No.1)

Reference # CED/TFL <u>1157 (Dr. Ali Ahmed)</u> Reference of the request letter # 132/MB

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 Gauge length 8 inches

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

Sr. No.	Weight	Dian si	ieter/ ze		rea n²)	Yield load	Breaking Load		Stress si)	Ultimat (p	e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	No No		Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.370	3	0.372	0.11	0.109	3100	4500	62200	62780	90200	91200	1.30	16.3	
2	0.372	3	0.373	0.11	0.109	3200	4600	64200	64490	92200	92800	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	te: onl	y two sa	amples fo	r tensile	and two	samples	for bend	test	1		
	D D				G .: C		Bend T	est						

#3 Bar Bend Test Through 180° is Satisfactory

#3 Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 29-03-2022

Dated: 05-03-2022

- 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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# LAHORE -

## 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 M/S Raja Kamal Khan Construction Company Aitchison Tennis Club, Aitchison College

Reference # CED/TFL <u>1161 (Dr. Asad Ali)</u>

Reference of the request letter # Aitchison College 001

Dated: 30-03-2022

Dated: 28-03-2022

**Tension Test Report** (Page -1/1)

Date of Test 30-03-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ize 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	0.372	3/8	0.373	0.11	0.109	4150	5100	83200	83720	102200	102900	0.90	11.3	
2	0.355	3/8	0.365	0.11	0.104	4080	5050	81800	86170	101200	106700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Not	e: only t	wo sampl	es for ter	nsile test	1	1	1		
							Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

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