

Project Manager
Nazir & Sons Trust Building Construction Project., Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: NST/MT/uet/001

Dated: 21-10-2020

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3143(Page-1/1)

Dated: 21-10-2020

ASTM-A-615

Deformed Bar(Koh-E-Noor Steel Mill)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.283	6	0.693	0.44	0.377	8.84	13.15	44300	51710	65910	76930	1.50	8.0	18.8	
2	1.285	6	0.694	0.44	0.378	9.73	14.73	48800	56800	73830	85940	1.10	8.0	13.8	
3	0.590	4	0.469	0.20	0.173	4.76	6.60	52500	60690	72730	84080	1.40	8.0	17.5	
4	0.609	4	0.477	0.20	0.179	4.66	6.63	51370	57400	73070	81640	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Zabihullah Khan
 Director Works, National Textile University, Faisalabad

Test Performed By: Dr. /Engr.

S. Asad Ali
 Gillani

Client Reference: NTU/G.H/C.W/20-14

Dated: 20-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3144(Page-1/1)

Dated: 21-10-2020

ASTM-A-615

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.616	8	0.990	0.79	0.769	26.35	33.86	73570	75570	94540	97120	1.60	8.0	20.0	
2	2.627	8	0.991	0.79	0.772	26.10	33.59	72850	74550	93770	95960	1.50	8.0	18.8	
3	1.431	6	0.732	0.44	0.421	13.66	19.27	68470	71560	96570	100930	1.20	8.0	15.0	
4	1.442	6	0.735	0.44	0.424	14.48	19.98	72560	75290	100150	103930	1.10	8.0	13.8	
5	1.024	5	0.619	0.31	0.301	10.32	13.81	73390	75590	98270	101210	1.20	8.0	15.0	
6	1.019	5	0.617	0.31	0.299	10.21	13.71	72670	75340	97540	101130	1.30	8.0	16.3	
7	0.612	4	0.479	0.20	0.180	6.83	9.17	75320	83680	101170	112410	1.00	8.0	12.5	
8	0.611	4	0.479	0.20	0.180	6.52	8.43	71940	79940	92960	103290	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Zain-UI_Abadeen
Assistant Resident Engineer, NESPAK, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3882/11/MZA/01/223

SOM Lab

Ref: 3146(Page-1/1)

Dated: 19-10-2020

Dated: 21-10-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (ZSR Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.677	4	0.503	0.20	0.199	5.32	8.15	58680	58970	89930	90380	1.20	8.0	15.0	
2	0.671	4	0.501	0.20	0.197	5.35	8.61	59020	59920	94990	96430	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Test Performed By: Dr. S. Asad Ali Gillani

Maj Adnan Khalid ®

Dy Dir MTL.

Testing of J-Bolt, Const of (U/G) External Elec Works Alongwith Street Light System

Pkg –E-3, Sector –L, DHA Phase-IX Prism-9 - (M/S FWO)

Client Reference: 408/241/E/1009/443

Dated: 20-10-2020

SOM Lab Ref: CED/SOM/3145(Page-1/1)

Dated: 21-10-2020

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: J Bolt

Gauge Length: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	mm	M m	%	
1	25	25.43	508	219.20	344.70	432	679	30.0	200	15.0	24.5
2	25	25.54	512	221.50	347.50	433	679	27.5	200	13.8	19.26
3	25	25.58	514	191.50	282.20	373	549	47.5	200	23.8	51.0

Note:-

Only Three Samples
Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk(U/G)

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Maj Adnan Khalid ©

Dy Dir MTL.

Testing of J-Bolt, Const of (U/G) External Elec works Along with Street Light System

Pkg -3, Sector -H, K & F, DHA Phase-IX - (M/S DHA FWO)

Client Reference: 408/241/E/985/240

Dated: 25-09-2020

SOM Lab Ref: CED/SOM/3021(Page-2/3)

Dated: 29-09-2020

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: J Bolt

Gauge Length: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	mm	M m	%	
1	25	25.16	497	202.00	342.50	407	690	32.5	200	18.8	43.6
2	25	25.30	503	192.50	296.20	383	590	40.0	200	17.5	36.9
3	25	25.20	499	200.20	308.70	402	619	40.0	200	20.0	46.7

Note:-

Only Three Samples
Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk(U/G)

