

Khalid Mahmood

Resident Engineer, NESPAK JV Turk Pak Resident Const. Supervision for Establishment of D. G. Khan (M/s ZKB)

Test Performed By:

Dr. /Engr. M.Rizwan Riaz

Client Reference: 4161/RE/SFMKB/DGK/085

SOM Lab Ref: 3151(Page-1/1)

Dated: 22-102020

Dated: 23-10-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Mughal 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	2.628	8	0.991	0.79	0.772	30.24	37.51	84440	86410	104730	107170	1.30	8.0	16.3	
2	2.620	8	0.990	0.79	0.770	30.28	37.56	84520	86720	104870	107590	1.20	8.0	15.0	
3	1.490	6	0.747	0.44	0.438	14.55	18.86	72910	73250	94530	94960	1.50	8.0	18.8	
4	1.485	6	0.745	0.44	0.436	14.55	19.29	72910	73580	96670	97560	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Maj Adnan khalid®

Dy Dir MTL, Infra Development Works at OHWT Bdry Wall, Sector - X, DHA Ph -VIII - (M/S Excellent Builders)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillni

Client Reference: 408/241/E/Lab/1012/206

SOM Lab Ref: 3152(Page-1/1)

Dated: 22-10-2020

Dated: 23-10-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	1.451	6	0.736	0.44	0.426	14.14	19.34	70870	73200	96930	100110	1.20	8.0	15.0	
2	1.458	6	0.738	0.44	0.428	14.24	19.29	71380	73380	96670	99380	1.10	8.0	13.8	
3	0.655	4	0.494	0.20	0.192	6.24	8.12	68800	71660	89590	93320	1.30	8.0	16.3	
4	0.662	4	0.498	0.20	0.195	6.42	8.56	70820	72640	94420	96850	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Ajmal Kaleem Ullah

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Assistant Resident Engineer/ Material Engineer, AZEA, Kamoki Residency

Client Reference: AZEA/REKMK/1073

SOM Lab

Ref:

3153 (Page-1/1)

Dated: 25-09-2020

Dated:

23-10-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Plain Bar & Depormed 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	2.532	8	0.973	0.79	0.744	17.25	28.46	48150	51130	79460	84370	1.70	8.0	21.3	Plain
2	1.437	6	0.733	0.44	0.422	10.88	16.89	54520	56850	84670	88280	1.50	8.0	18.8	Plain
3	0.542	4	0.450	0.20	0.159	4.54	6.65	50030	62920	73290	92190	1.40	8.0	17.5	Deformed
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

Pak Avenue Housing Society,
Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 23-10-2020

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3154(Page-1/1)

Dated: 23-10-2020

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	1.477	6	0.743	0.44	0.434	18.09	21.58	90690	91950	108170	109660	1.30	8.0	16.3	
2	1.469	6	0.742	0.44	0.432	16.23	19.95	81340	82850	99990	101850	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Muhammad Saleem
GM, Professional Construction Services (Pvt) Ltd. Lahore

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

Client Reference: PCS/2020/Eng-78

SOM Lab

Ref: 3155(Page-1/1)

Dated: 13-10-2020

Dated: 23-10-2020

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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	1.478	6	0.743	0.44	0.434	15.95	20.15	79970	81070	101020	102410	1.00	8.0	12.5	
2	1.458	6	0.738	0.44	0.428	20.40	22.96	102240	105110	115070	118290	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Asstt: Executive Engineer
Central Civil Division No. I, Pak P.W.D. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: AEE-IV/LCCD-I/152

Dated: 20-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3158(Page-1/1)

Dated: 23-10-2020

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	2.613	8	0.989	0.79	0.768	21.63	35.34	60390	62120	98660	101490	1.40	8.0	17.5	
2	2.586	8	0.984	0.79	0.760	21.00	34.51	58630	60940	96330	100130	1.40	8.0	17.5	
3	1.482	6	0.745	0.44	0.436	12.69	20.10	63620	64200	100760	101680	1.50	8.0	18.8	
4	1.484	6	0.745	0.44	0.436	12.90	20.39	64640	65230	102190	103130	1.40	8.0	17.5	
5	1.033	5	0.622	0.31	0.304	9.28	14.42	66000	67300	102620	104640	1.40	8.0	17.5	
6	1.031	5	0.621	0.31	0.303	9.30	14.37	66140	67670	102260	104620	1.30	8.0	16.3	
7	0.640	4	0.489	0.20	0.188	5.61	8.41	61830	65770	92740	98660	1.40	8.0	17.5	
8	0.644	4	0.491	0.20	0.189	5.63	8.48	62050	65660	93530	98970	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Assistant Director -II

Building Research Station, C & W, Department, Govt. of Punjab, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 154-R/5002

Dated: 23-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3159 (Page-1/1)

Dated: 23-10-2020

ASTM-A-615

Deformed Bar(FF 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	2.597	8	0.986	0.79	0.763	24.97	33.51	69720	72190	93540	96850	1.40	8.0	17.5	
2	1.453	6	0.737	0.44	0.427	13.88	19.75	69590	71710	98970	101990	1.40	8.0	17.5	
3	0.672	4	0.501	0.20	0.197	6.42	8.74	70820	71900	96340	97800	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

Taslim Alam
Resident Engineer, NESPAK (Pvt) Ltd. KKK Road SAW, FATA,

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 3963/021/TA/01/078

Dated: 23-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3160(Page-1/1)

Dated: 23-10-2020

ASTM-A-615

Deformed Bar (FF 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	0.593	4	0.471	0.20	0.174	6.65	8.46	73290	84240	93300	107240	1.30	8.0	16.3	
2	0.672	4	0.501	0.20	0.197	6.60	8.51	72730	73840	93860	95290	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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. /Engr. S. Asad Ali Gillani

Maj Adnan Khalid ©

Dy Dir MTL.

Testing of J-Bolt, External (U/G) Elec works, Alongwith Street Light Sys. Pkg –E-1, Sector-A P Q& R

DHA Phase-IX - Prism -9, (M/S DHA C)

Client Reference: 408/241/E/1010/207

Dated: 22-10-2020

SOM Lab Ref: CED/SOM/3157(Page-1/2)

Dated: 23-10-2020

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	25.38	506	171.00	258.20	338	511	50.0	200	17.5	35.4
2	25	25.40	507	181.00	277.70	358	549	47.5	200	23.8	49.3
3	25	25.08	494	204.70	307.00	415	625	50.0	200	20.0	31.4

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. /Engr. S. Asad Ali Gillani

Maj Adnan Khalid ®

Dy Dir MTL.

Testing of Anchor Bolts Const of (U/G) External Elec works, Alongwith Street Light Sys.

Pkg –E-1,Sector-A P Q& R, DHA Phase-IX - Prism -9, (M/S DHA C)

Client Reference: 408/241/E/1011/206

Dated: 22-10-2020

SOM Lab Ref: CED/SOM/3157(Page-2/2)

Dated: 23-10-2020

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: Y Bolt

Gauge Length: 25 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	mm	%	
1	12	12.0	113	49.7	76.5	439	676	11.6	50	23.0	46.2
-	-	-	-	-	-	-	-	-	--	-	-
-	-	-	-	-	-	-	-	-	-	-	--

Note:-

Only One Samples
Received and Tested

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

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, Alongwith Street Light Sys. Pkg –E-3,

Sector-H, DHA Phase-IX - Prism -9, (M/S FWO)

Client Reference: 408/241/E/1013/458

Dated: 23-10-2020

SOM Lab Ref: CED/SOM/3162(Page-1/1)

Dated: 23-10-2020

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	25.51	511	186.50	283.70	365	556	47.5	200	23.80	53.5
2	25	25.59	514	185.00	294.20	360	572	47.5	200	23.8	52.2
3	25	25.67	517	197.00	297.20	381	575	50.0	200	25.0	55.1

Note:-

Only Three Samples
Received and Tested

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

