

Safdar Hussain

Test Performed By: Dr. /Engr. Asad Ghalani

RE,ACE,Danish School Mankera Residency(Establishment of Daanish School(Boys & Girl)(ZKH&B)

Client Reference: ACE/RE-PDS/MNK/BHK/21/464

SOM Lab

Ref: 5302(Page-1/1)

Dated: 15-11-2021

Dated: 16-11-2021

Test: Tension Test & Bend 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	1.025	5	0.619	0.31	0.301	9.99	15.67	71070	73200	111470	114800	1.20	8.0	15.0	
2	1.027	5	0.620	0.31	0.302	9.94	15.67	70710	72580	111470	114420	1.10	8.0	13.8	
3	0.656	4	0.496	0.20	0.193	6.19	9.35	68230	70710	103080	106820	1.20	8.0	15.0	
4	0.654	4	0.494	0.20	0.192	6.17	9.35	68010	70840	103080	107370	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 5	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

Ehsan-Ullah-Saad

Test Performed By:

Dr. /Engr. Asad Ghalani

Project Manager, AR Developers, (Al-Rehman Garden Ph-II Lahore)

Client Reference: Z.A/A.R/20-21

SOM Lab

Ref: 5303(Page-1/1)

Dated: 15-11-2021

Dated: 16-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	1.505	6	0.750	0.44	0.442	12.76	18.47	63970	63680	92590	92170	1.40	8.0	17.5	
2	1.487	6	0.746	0.44	0.437	13.68	19.27	68570	69040	96570	97230	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 6	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

Ehsan-Ullah-Saad

Test Performed By:

Dr. /Engr. Asad Ghalani

Project Manager,Zaheer Associate,(Al-Rehman Garden Ph-II Lahore)

Client Reference: Z.A/A.R/19-21

SOM Lab

Ref: 5304(Page-1/1)

Dated: 15-11-2021

Dated: 16-11-2021

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	2.663	8	0.998	0.79	0.783	26.07	34.53	72770	73420	96390	97250	1.50	8.0	18.8	
2	2.660	8	0.998	0.79	0.782	28.15	35.88	78600	79410	100170	101200	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	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

Tahir Mehmood

Test Performed By:

Dr. /Engr.

Dr.Mazhar Saleem

CE New Lahore city,(Construction Of Momunment Chock Ph.-III,New lahore City)

Client Reference: NLC/CE/Const/010

SOM Lab

Ref: 5305(Page-1/1)

Dated: 15-11-2021

Dated: 16-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.649	8	0.995	0.79	0.778	29.15	37.33	81390	82650	104210	105820	1.40	8.0	17.5	
2	2.659	8	0.997	0.79	0.781	29.46	37.69	82250	83190	105210	106420	1.30	8.0	16.3	
3	1.524	6	0.755	0.44	0.448	16.31	20.80	81750	80290	104230	102370	1.20	8.0	15.0	
4	1.494	6	0.748	0.44	0.439	15.60	20.31	78180	78360	101780	102010	1.00	8.0	12.5	
5	0.636	4	0.488	0.20	0.187	5.40	8.53	59580	63720	94090	100630	1.20	8.0	15.0	
6	0.633	4	0.487	0.20	0.186	5.30	8.51	58460	62850	93860	100930	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Sajjad Ali Memon

Test Performed By:

Dr. /Engr. Asad Ghalani

Resident Engineer, Pllar & Sons,(Rumanza Golf & Country Club, DHA Multan)

Client Reference: P&S/OTH/GEN/00049

SOM Lab

Ref: 5306(Page-2/2)

Dated: 09-11-2021

Dated: 16-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	1.486	6	0.746	0.44	0.437	14.50	19.11	72660	73160	95800	96460	1.60	8.0	20.0	
2	1.517	6	0.754	0.44	0.446	15.62	19.93	78280	77230	99890	98550	1.40	8.0	17.5	
3	0.694	4	0.510	0.20	0.204	7.26	8.77	80040	78470	96670	94780	1.40	8.0	17.5	
4	0.643	4	0.491	0.20	0.189	7.05	8.51	77790	82320	93860	99330	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

Sajjad Ali Memon

Test Performed By:

Dr. /Engr. Asad Ghalani

Resident Engineer, Pllar & Sons,(Rumanza Golf & Country Club, DHA Multan)

Client Reference: P&S/OTH/GEN/00050

SOM Lab

Ref: 5306(Page-1/2)

Dated: 13-11-2021

Dated: 16-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	0.667	4	0.500	0.20	0.196	6.57	8.61	72510	73990	94990	96930	1.40	8.0	17.5	
2	0.697	4	0.511	0.20	0.205	6.83	9.02	75320	73480	99480	97060	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

Engr. Javed Asad

Test Performed By: Dr. /Engr. Asad Ghalani

CRE Project Implementation Consultants, JIP Consults(Hydraulic Structures of Jalalpur Canal Project)

Client Reference: JIPIC/TECH/CRE/327

SOM Lab

Ref: 5307(Page-1/1)

Dated: 11-11-2021

Dated: 16-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Nomee 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	1.519	6	0.754	0.44	0.446	13.71	22.09	68730	67800	110720	109230	1.10	8.0	13.8	
2	1.526	6	0.755	0.44	0.448	13.61	21.89	68210	67000	109700	107740	1.10	8.0	13.8	
3	1.062	5	0.630	0.31	0.312	9.25	14.27	65780	65360	101530	100880	1.20	8.0	15.0	
4	1.061	5	0.630	0.31	0.312	9.30	14.37	66140	65720	102260	101600	1.10	8.0	13.8	
5	0.677	4	0.503	0.20	0.199	6.09	9.34	67110	67450	102970	103480	1.20	8.0	15.0	
6	0.677	4	0.503	0.20	0.199	6.07	9.35	66890	67220	103080	103600	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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