

Sub Divisional officer,

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

PHE SD Noor Pur Thal.(Const Of Pump House 12`x12` Water Supply Scheme Mitha Khooh)

Client Reference: 51/NPT

SOM Lab

Ref: 2463 (Page-1/1)

Dated: 12-04-2023

Dated: 19-06-2023

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	0.669	4	0.501	0.20	0.197	4.13	5.98	45530	46220	65990	66990	1.00	8.00	12.5	
2	0.668	4	0.500	0.20	0.196	4.10	6.24	45190	46110	68800	70200	1.10	8.00	13.8	
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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 Farooq Akhtar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

GE(Army) Mangla Cantt.(GHQ QMG`S Branch DW&CE-Coord Rwp)

Client Reference: 117/21/E-1

SOM Lab

Ref:

2464 (Page-1/1)

Dated: 16-06-2023

Dated:

19-06-2023

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	1.195	6	0.669	0.44	0.351	9.07	14.50	45480	57010	72660	91080	1.00	8.00	12.5	
2	1.037	5	0.623	0.31	0.305	10.96	13.63	77960	79240	96960	98550	1.50	8.00	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

Engr. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

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

Client Reference: Nil

Dated: 19-06-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2465 (Page-1/1)

Dated: 19-06-2023

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	2.664	8	0.998	0.79	0.783	24.97	35.34	69720	70350	98660	99550	1.50	8.00	18.8	
2	2.676	8	1.000	0.79	0.786	24.87	35.49	69440	69790	99090	99600	1.50	8.00	18.8	
3	1.489	6	0.747	0.44	0.438	14.70	20.61	73680	74020	103310	103790	1.10	8.00	13.8	
4	1.514	6	0.753	0.44	0.445	14.88	20.10	74600	73760	100760	99630	1.20	8.00	15.0	
5	0.661	4	0.497	0.20	0.194	6.32	8.58	69700	71850	94650	97580	1.10	8.00	13.8	
6	0.662	4	0.498	0.20	0.195	6.37	8.63	70260	72060	95210	97650	1.10	8.00	13.8	
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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

Range Forest Officer,
Shahdara Forest, Range.(Estb Of Dargai Forest Park)

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

Client Reference: 145/SHD

SOM Lab

Ref: 2466 (Page-1/1)

Dated: 27-05-2023

Dated: 19-06-2023

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	0.666	4	0.500	0.20	0.196	7.61	9.23	83970	85680	101730	103810	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

UMT

Test Performed By: Dr. /Engr. Wasim Abbas

Director PMO UMT Lahore.(Steel of 9th and 10th Floor Columns & Beams Shear walls and Slab)

Client Reference: CB-2/42/22

SOM Lab

Ref: 2467 (Page-1/3)

Dated: 19-06-2023

Dated: 19-06-2023

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	0.670	4	0.501	0.20	0.197	5.86	8.84	64640	65620	97460	98940	1.20	8.00	15.00	
2	0.694	4	0.510	0.20	0.204	6.14	9.23	67670	66350	101730	99740	1.20	8.00	15.00	
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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

UMT **Test Performed By:** Dr. /Engr. Wasim Abbas
 Director PMO UMT Lahore.(Steel of 9th and 10th Floor Columns & Beams Shear walls and Slab)

Client Reference: CB-2/41/22

SOM Lab

Dated: 19-06-2023

Ref: 2467 (Page-2/3)

Dated: 19-06-2023

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	1.500	6	0.749	0.44	0.441	15.16	19.80	75980	75810	99230	99000	1.30	8.00	16.3	
2	1.485	6	0.745	0.44	0.436	15.31	19.93	76750	77450	99890	100810	1.00	8.00	12.5	
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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

UMT Director PMO UMT Lahore.(10th and 11th Floor Slab Beams and Columns Steel)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: CB-2/50/22

SOM Lab

Ref: 2467 (Page-3/3)

Dated: 19-06-2023

Dated: 19-06-2023

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	2.620	8	0.990	0.79	0.770	26.76	35.58	74700	76640	99320	101900	1.30	8.00	16.3	
2	2.636	8	0.993	0.79	0.775	26.37	35.24	73620	75050	98380	100280	1.50	8.00	18.8	
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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 Irfan
ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

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

Client Reference: DOC-BMC/AJWA/081

SOM Lab

Ref: 2468 (Page-1/1)

Dated: 19-06-2023

Dated: 09-06-2023

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	2.646	8	0.995	0.79	0.778	24.57	33.49	68590	69640	93490	94930	1.50	8.00	18.8	
2	2.621	8	0.990	0.79	0.770	26.07	33.66	72770	74660	93970	96410	1.50	8.00	18.8	
3	2.632	8	0.992	0.79	0.773	24.41	33.33	68160	69660	93060	95110	1.60	8.00	20.0	
4	2.599	8	0.986	0.79	0.764	25.54	33.56	71290	73720	93680	96870	1.40	8.00	17.5	
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BEND TEST:

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

Executive Engineer (KSK)

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

UET,Lhr Building and Works Deptt.(Girls Hostel For Deptt Of Computer Science at New Campus KSK)

Client Reference: B&W/XEN/KSK1272

SOM Lab

Ref: 2469 (Page-1/1)

Dated: 19-06-2023

Dated: 19-06-2023

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	1.498	6	0.748	0.44	0.440	17.35	19.75	86970	86970	98970	98970	1.30	8.00	16.3	
2	1.507	6	0.751	0.44	0.443	17.28	19.78	86610	86020	99130	98450	1.30	8.00	16.3	
3	0.673	4	0.502	0.20	0.198	6.22	7.82	68570	69260	86220	87090	1.10	8.00	13.8	
4	0.672	4	0.501	0.20	0.197	6.27	7.97	69130	70190	87910	89240	1.10	8.00	13.8	
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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 Saleem Shahid

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

CM State Grid CEPET.(500KV/220/132KV Nokhar Substation Under ADB Loan No 3677)

Client Reference: CET/ADB-300AR/S/2023-253

SOM Lab

Ref: 2470 (Page-1a/1)

Dated: 19-06-2023

Dated: 19-06-2023

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	2.656	8	0.997	0.79	0.781	26.71	34.98	74560	75420	97670	98790	1.40	8.00	17.5	
2	2.669	8	0.999	0.79	0.784	26.83	35.17	74900	75480	98180	98930	1.20	8.00	15.0	
3	2.664	8	0.998	0.79	0.783	25.33	33.97	70720	71350	94820	95670	1.50	8.00	18.8	
4	2.661	8	0.998	0.79	0.782	26.07	34.68	72770	73510	96820	97810	1.40	8.00	17.5	
5	2.658	8	0.997	0.79	0.781	27.27	35.70	76130	77000	99660	100810	1.50	8.00	18.8	
6	0.672	4	0.501	0.20	0.197	6.09	8.74	67110	68130	96340	97800	1.20	8.00	15.0	
7	0.670	4	0.501	0.20	0.197	5.93	8.21	65420	66420	90490	91870	1.10	8.00	13.8	
8	0.670	4	0.501	0.20	0.197	6.24	8.58	68800	69840	94650	96090	1.30	8.00	16.3	
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Witnessed By: M. Farhan ,Sr Engr (Civil) Barqaab

BEND TEST:

Sr # (1-5)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Sixteen Samples Received and Tested
Sr # (6-8)	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 Saleem Shahid

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

CM State Grid CEPET.(500KV/220/132KV Nokhar Substation Under ADB Loan No 3677)

Client Reference: CET/ADB-300AR/S/2023-253

SOM Lab

Ref: 2470 (Page-1b/1)

Dated: 19-06-2023

Dated: 19-06-2023

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	1.538	6	0.759	0.44	0.452	15.05	20.13	75420	73420	100910	98230	1.20	8.00	15.00	
2	1.524	6	0.755	0.44	0.448	14.93	20.03	74860	73520	100400	98610	1.20	8.00	15.00	
3	1.481	6	0.744	0.44	0.435	14.17	18.91	71020	71840	94780	95870	1.10	8.00	13.8	
4	1.469	6	0.742	0.44	0.432	13.91	18.83	69750	71040	94370	96120	1.10	8.00	13.8	
5	1.541	6	0.759	0.44	0.453	14.73	19.72	73830	71720	98870	96030	1.00	8.00	12.5	
6	1.546	6	0.760	0.44	0.454	14.63	19.78	73320	71060	99130	96070	1.00	8.00	12.5	
7	1.495	6	0.748	0.44	0.439	13.81	18.78	69240	69390	94120	94330	1.10	8.00	13.8	
8	1.488	6	0.746	0.44	0.437	14.02	18.88	70260	70740	94630	95280	1.10	8.00	13.8	
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Witnessed By: M. Farhan ,Sr Engr (Civil) Barqaab

BEND TEST:

Sr # (1-8)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Sixteen Samples Received and Tested

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

Engr. Muhammad Younus Ch

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

RE AZEA Lhr.(Rehb/Reno Of Existing Office Bldgs & Const. of New Office Block Of Com/Office)

Client Reference: AZEA/RE/C.O/18

SOM Lab

Ref: 2471 (Page-1/1)

Dated: 26-06-2023

Dated: 19-06-2023

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	2.615	8	0.989	0.79	0.768	24.28	33.00	67790	69730	92120	94760	1.30	8.00	16.3	
2	1.441	6	0.734	0.44	0.423	13.91	19.27	69750	72550	96570	100450	1.30	8.00	16.3	
3	0.679	4	0.505	0.20	0.200	6.29	9.02	69360	69360	99480	99480	1.30	8.00	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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