

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

1176 (Page-

Client Reference: HRLE/SKG/2022/078/2301

SOM Lab Ref: 1/1)

Dated: 31-10-2022

Dated: 31-10-2022

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS Deformed Bar (Afco 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.028	12	12.92	113	131	69.20	86.70	612	529	767	662	30.0	200	15.0	
2	1.013	12	12.82	113	129	69.00	85.70	611	535	758	664	25.0	200	12.5	
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BEND TEST:

12mm	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

Manohar Lal

Test Performed By: Dr. /Engr. Wasim Abbas

RE Nespak,Lahore(Dualization of Rd From Guj to M-2 Interchange at Kot Sarwar Via Hafizabad)

Client Reference: 4376F/103/GH/ML/Lab/48

SOM Lab

Ref: 1084 (Page-1/1)

Dated: 13-10-2022

Dated: 13-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Plain /Deformed

Gauge Length: 8 inch

Sample Type: 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	2.603	8	0.987	0.79	0.765	23.06	36.29	64370	66480	101310	104620	1.50	8.0	18.8	Plain
2	2.656	8	0.997	0.79	0.781	23.67	41.05	66080	66840	114600	115920	1.20	8.0	15.0	Plain
3	0.648	4	0.492	0.20	0.190	4.45	6.47	49130	51710	71380	75140	1.00	8.0	12.5	Deform
4	0.644	4	0.491	0.20	0.189	5.05	7.65	55650	58880	84310	89210	0.90	8.0	11.3	Deform
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Witnessed By: Khurram Shahzad

BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Asif Shahzad

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

Astt Project Engr. JV Building Section DHA Gujranwala. (Const Of Office complex DHA Guj)

Client Reference: 111/3/APE JV Bldgs/GEN/02

SOM Lab

Ref: 1166 (Page-1/1)

Dated: 31-10-2022

Dated: 31-10-2022

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	1.436	6	0.733	0.44	0.422	13.56	19.90	67960	70860	99740	103990	1.30	8.0	16.3	
2	1.439	6	0.734	0.44	0.423	13.51	20.03	67700	70420	100400	104440	1.10	8.0	13.8	
3	1.064	5	0.631	0.31	0.313	10.42	14.55	74120	73410	103490	102500	1.30	8.0	16.3	
4	1.073	5	0.633	0.31	0.315	10.45	14.68	74340	73160	104430	102770	1.40	8.0	17.5	
5	0.640	4	0.489	0.20	0.188	5.96	8.07	65760	69960	89030	94710	1.40	8.0	17.5	
6	0.656	4	0.496	0.20	0.193	5.96	8.10	65760	68150	89370	92610	1.20	8.0	15.0	
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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

Raja Muhammad Aqeel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Astt Dir.Building Section DHA Gujranwala.(Const Of Villas (Block-E)

Client Reference: 111/3/AD Bldgs/Gen/24

SOM Lab

Ref:

1167 (Page-1/1)

Dated: 20-10-2022

Dated:

31-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	0.682	4	0.505	0.20	0.200	7.39	9.25	81500	81500	101960	101960	1.40	8.0	17.5	
2	0.678	4	0.503	0.20	0.199	7.46	9.09	82290	82700	100270	100770	1.20	8.0	15.0	
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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

Junaid Iqbal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Rehan Developers Lahore.(Const Of OHWT,Model City Housing Society Lahore)

Client Reference: RD/DBW/PM/MC/22/001

SOM Lab

Ref:

1168 (Page-1/1)

Dated: 31-10-2022

Dated:

31-10-2022

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	2.657	8	0.997	0.79	0.781	25.10	31.93	70070	70870	89130	90160	1.30	8.0	16.3	
2	2.674	8	1.000	0.79	0.786	25.40	32.21	70920	71280	89930	90390	1.20	8.0	15.0	
3	1.528	6	0.756	0.44	0.449	17.38	19.72	87120	85370	98870	96890	1.20	8.0	15.0	
4	1.527	6	0.756	0.44	0.449	17.33	19.85	86860	85120	99480	97490	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	7.24	8.66	79810	80620	95550	96510	1.10	8.0	13.8	
6	0.673	4	0.502	0.20	0.198	7.21	8.72	79470	80280	96110	97080	1.20	8.0	15.0	
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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

Engr. Naveed Sadiq
RE Orbit Developers.Lahore.(The Springs Gulberg Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 1169 (Page-1/1)

Dated: 31-10-2022

Dated: 31-10-2022

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	2.611	8	0.988	0.79	0.767	23.77	31.98	66370	68360	89270	91950	1.30	8.0	16.3	
2	2.621	8	0.990	0.79	0.770	24.54	32.59	68500	70280	90980	93340	1.30	8.0	16.3	
3	1.489	6	0.747	0.44	0.438	14.37	18.91	72050	72380	94780	95220	1.20	8.0	15.0	
4	1.505	6	0.750	0.44	0.442	14.29	18.96	71640	71310	95040	94610	1.30	8.0	16.3	
5	0.698	4	0.511	0.20	0.205	6.85	8.51	75540	73700	93860	91570	1.20	8.0	15.0	
6	0.661	4	0.497	0.20	0.194	6.75	8.89	74420	76720	98020	101050	1.10	8.0	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No.1,Multan.(Estb Of District Court Complex Multan, A.D.P No. 5824 /2021-22)

Client Reference: 1588/1st

SOM Lab

Ref:

1170 (Page-1/3)

Dated: 12-10-2022

Dated:

31-10-2022

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	0.672	4	0.501	0.20	0.197	5.98	9.09	65990	66990	100270	101800	1.40	8.0	17.5	
2	0.667	4	0.500	0.20	0.196	6.01	8.94	66320	67680	98580	100600	1.10	8.0	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No.1,Multan.(Estb Of District Court Complex Multan, A.D.P No. 5824 /2021-22)

Client Reference: 1601/1st

SOM Lab

Ref:

1170 (Page-2/3)

Dated: 13-10-2022

Dated:

31-10-2022

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	1.493	6	0.748	0.44	0.439	13.07	19.29	65510	65660	96670	96890	1.30	8.0	16.3	
2	1.492	6	0.747	0.44	0.438	13.17	19.42	66020	66320	97340	97780	1.40	8.0	17.5	
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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

Sub Divisional officer,

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

BSD No.1,Multan.(Estb Of District Court Complex Multan, A.D.P No. 5824 /2021-22)

Client Reference: 1598/1st

SOM Lab

Ref: 1170 (Page-3/3)

Dated: 13-10-2022

Dated: 31-10-2022

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	2.654	8	0.997	0.79	0.780	22.14	33.13	61810	62610	92490	93680	1.20	8.0	15.0	
2	2.666	8	0.998	0.79	0.783	22.50	33.46	62810	63370	93400	94240	1.50	8.0	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

Ehsan-Ullah-Saad

Test Performed By:

Dr. /Engr.

Asad aali Gillani

PM Zaheer Associate.(Plaza # 74&75 Al-Rehman Garden Ph-II Lahore)

Client Reference: Z.A/A.R/33-22

SOM Lab

Ref:

1172 (Page-1/2)

Dated: 31-10-2022

Dated:

31-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mehboob 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	0.673	4	0.502	0.20	0.198	7.14	9.50	78690	79480	104770	105820	1.00	8.0	12.5	
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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

Ehsan-Ullah-Saad

Test Performed By:

Dr. /Engr.

Asad aali Gillani

PM Zaheer Associate.(Plaza # 74&75 Al-Rehman Garden Ph-II Lahore)

Client Reference: Z.A/A.R/32-22

SOM Lab

Ref:

1172 (Page-2/2)

Dated: 10-10-2022

Dated:

31-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ravi 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	0.672	4	0.501	0.20	0.197	6.85	8.31	75540	76690	91610	93010	1.10	8.0	13.8	
2	0.672	4	0.501	0.20	0.197	7.44	9.25	82060	83310	101960	103510	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

Muhammad Siddique
Head QA/QC Al-A`zamiyya Block Phase I Lahore.

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

Client Reference: Alz./ST/001

SOM Lab

Ref: 1173 (Page-1/1)

Dated: 31-10-2022

Dated: 31-10-2022

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	2.645	8	0.995	0.79	0.777	28.39	36.31	79260	80580	101370	103060	1.40	8.0	17.5	
2	2.669	8	0.999	0.79	0.784	28.24	35.70	78830	79430	99660	100420	1.60	8.0	20.0	
3	1.518	6	0.754	0.44	0.446	15.41	19.16	77260	76220	96060	94770	1.60	8.0	20.0	
4	1.485	6	0.745	0.44	0.436	16.23	19.75	81340	82090	98970	99880	1.50	8.0	18.8	
5	0.668	4	0.500	0.20	0.196	7.61	9.55	83970	85680	105330	107480	1.10	8.0	13.8	
6	0.668	4	0.500	0.20	0.196	7.56	9.48	83410	85110	104540	106670	1.10	8.0	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

M Riaz
Ferozpur Road Lahore

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

Client Reference: Nil

SOM Lab

Ref: 1174 (Page-1/1)

Dated: 31-10-2022

Dated: 31-10-2022

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	1.497	6	0.748	0.44	0.440	14.55	19.39	72910	72910	97180	97180	1.30	8.0	16.3	
2	1.502	6	0.749	0.44	0.441	14.53	19.64	72810	72650	98460	98240	1.50	8.0	18.8	
3	0.692	4	0.508	0.20	0.203	7.41	9.99	81720	80520	110160	108530	1.20	8.0	15.0	
4	0.690	4	0.508	0.20	0.203	7.75	10.06	85430	84170	110950	109310	1.10	8.0	13.8	
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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

ECSP, ARE

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

Tribal Area DG Khan & Rajanpur.(Supply,Const.Installation O&M Of UF Hand Pumps in tribal Area)

Client Reference: ECSP/PAPA/SOUTH-DGK/ARE/07

SOM Lab

Ref: 1175 (Page-1/1)

Dated: 19-10-2022

Dated: 31-10-2022

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	0.673	4	0.502	0.20	0.198	5.35	8.23	59020	59610	90720	91630	1.50	8.0	18.8	
2	0.672	4	0.501	0.20	0.197	5.20	7.95	57330	58200	87680	89020	1.40	8.0	17.5	
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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

M. Arif Sahi, PM/Team Leader

Test Performed By: Dr. /Engr. Irfan UI Hassan

Barqaab Consulting Services (Pvt) Ltd.(500kV Quad Bundle Double Circuit Noshehra T/Line)

Client Reference: WB-05B/BQB/NETRACON/0049

SOM Lab

Ref: 1171 (Page-1a/1)

Dated: 26-10-2022

Dated: 31-10-2022

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	2.529	8	0.973	0.79	0.743	24.28	33.33	67790	72080	93060	98950	1.40	8.0	17.5	
2	2.520	8	0.971	0.79	0.741	24.13	33.30	67360	71820	92970	99120	1.30	8.0	16.3	
3	2.576	8	0.982	0.79	0.757	26.50	34.86	73990	77220	97330	101570	1.50	8.0	18.8	
4	2.037	7	0.873	0.60	0.599	17.94	23.57	65950	66060	86630	86780	1.30	8.0	16.3	
5	2.058	7	0.878	0.60	0.605	18.40	23.87	67640	67080	87760	87030	1.40	8.0	17.5	
6	2.058	7	0.878	0.60	0.605	18.17	23.82	66770	66220	87570	86840	1.40	8.0	17.5	
7	1.509	6	0.751	0.44	0.443	14.95	19.11	74960	74450	95800	95160	1.10	8.0	13.8	
8	1.512	6	0.752	0.44	0.444	15.39	19.64	77160	76460	98460	97570	1.00	8.0	12.5	
9	1.487	6	0.746	0.44	0.437	14.02	18.67	70260	70740	93610	94250	1.20	8.0	15.0	
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Witnessed By: Tariq Ilyas Cheema (Junior Engr. Barqaab)

BEND TEST:

Sr # (1-3)	Sample bend through 180 degrees Satisfactorily without any crack
Sr # (4-6)	Sample bend through 180 degrees Satisfactorily without any crack
Sr # (7-9)	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Eighteen Samples Received and Tested

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

M. Arif Sahi, PM/Team Leader

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Barqaab Consulting Services (Pvt) Ltd.(500kV Quad Bundle Double Circuit Noshehra T/Line)

Client Reference: WB-05B/BQB/NETRACON/0049

SOM Lab

Ref: 1171 (Page-1b/1)

Dated: 26-10-2022

Dated: 31-10-2022

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	0.671	4	0.501	0.20	0.197	8.38	10.24	92400	93810	112970	114690	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	8.97	10.70	98920	100430	118030	119830	0.80	8.0	10.0	
3	0.675	4	0.502	0.20	0.198	7.51	9.40	82850	83680	103640	104690	0.80	8.0	10.0	
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Witnessed By: Tariq Ilyas Cheema (Junior Engr. Barqaab)

BEND TEST:

# 4	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	
# 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