

Rao Imran PM

Test Performed By:

Dr. /Engr.

Waseem Abbas

Astral Construction (Pvt) Ltd.(Const Of McDonald,Ettihad Town Lahore.)

Client Reference: AST/Mcd/01

Dated: 15-09-2022

SOM Lab Ref: CED/SOM/922(Page-1/1)

Dated: 15-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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	3.880	25	25.08	491	494	214.20	329.20	436	434	671	667	40.0	200	20.0	
2	3.878	25	25.08	491	494	213.20	329.00	434	432	670	666	37.5	200	18.8	
3	2.293	20	19.28	314	292	135.50	201.70	431	464	642	691	40.0	200	20.0	
4	2.281	20	19.23	314	291	136.20	202.00	434	469	643	696	35.0	200	17.5	
5	1.528	16	15.75	201	195	93.00	133.50	463	478	664	686	32.5	200	16.3	
6	1.520	16	15.70	201	194	93.20	134.20	464	482	667	694	32.5	200	16.3	
7	0.997	12	12.71	113	127	64.70	88.00	572	510	778	694	30.0	200	15.0	
8	0.992	12	12.68	113	126	64.00	89.70	566	507	793	711	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Twelve Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Bai Jinliang, Dy Manager

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

Power China SEPCO1 Pakistan.(220Kv Mirpur Khas Substation & Extension At Hala Rd Substation)

Client Reference: ADB-200/2018/308

Dated: 15-09-2022

SOM Lab Ref: CED/SOM/925(Page-1/1)

Dated: 15-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS Deformed Bar

Gauge Length: 200 mm

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	2.498	20	20.12	314	318	143.70	193.00	457	452	614	607	32.5	200	16.3	
2	2.493	20	20.11	314	318	148.70	193.20	473	469	615	609	32.5	200	16.3	
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Witnessed By: Ibrar Ahmad (J.Expert),M.Waheed Sheikh (Project Manager-Sepco).

BEND TEST:

20mm	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

M.Munir
 Const Manager Minky & associates (Pvt) Ltd.(34-S, Gulberg II Lahore)

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

Client Reference: MA/UET/34/22913

SOM Lab

Ref: 917 (Page-1/1)

Dated: Sep-2022

Dated: 15-09-2022

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	2.609	8	0.988	0.79	0.767	22.07	33.59	61610	63460	93770	96580	1.40	8.0	17.5	
2	1.502	6	0.749	0.44	0.441	14.90	19.24	74700	74530	96420	96200	1.40	8.0	17.5	
3	0.654	4	0.494	0.20	0.192	5.86	8.02	64640	67330	88470	92150	1.40	8.0	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
# 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

Muhammad Irfan
Project Engr. DHA Gujranwala.(Sector C)

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

Client Reference: 111/15/PE/RS/Pkg-2A/566

SOM Lab

Ref: 918 (Page-1/2)

Dated: 30-08-2022

Dated: 15-09-2022

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	2.623	8	0.991	0.79	0.771	22.65	31.72	63240	64790	88560	90750	1.50	8.0	18.8	
2	2.641	8	0.994	0.79	0.776	23.72	32.69	66220	67420	91270	92910	1.60	8.0	20.0	
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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

Muhammad Irfan
Project Engr. DHA Gujranwala.(Sector C)

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

Client Reference: 111/15/PE/RS/Pkg-2A/571

SOM Lab

Ref: 918 (Page-2/2)

Dated: 30-08-2022

Dated: 15-09-2022

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	2.687	8	1.003	0.79	0.790	22.32	34.02	62330	62330	94970	94970	1.60	8.0	20.0	
2	2.685	8	1.002	0.79	0.789	22.22	33.51	62040	62120	93540	93660	1.60	8.0	20.0	
3	0.682	4	0.505	0.20	0.200	5.68	8.26	62610	62610	91050	91050	1.20	8.0	15.0	
4	0.674	4	0.502	0.20	0.198	5.83	8.26	64300	64950	91050	91970	1.10	8.0	13.8	
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BEND TEST:

# 8	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

Manzoor Akhtar
SM Associates Lahore.(15A Ali Block,New Garden Town Lahore)

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

Client Reference: NIL

SOM Lab

Ref: 919 (Page-1b/1)

Dated: 15-09-2022

Dated: 15-09-2022

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	5.66	8.69	62390	63340	95770	97230	1.20	8.0	15.0	
2	0.655	4	0.494	0.20	0.192	5.71	8.74	62950	65570	96340	100350	1.10	8.0	13.8	
3	0.650	4	0.493	0.20	0.191	5.58	8.74	61490	64390	96340	100870	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	5.79	8.89	63850	65150	98020	100020	1.10	8.0	13.8	
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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	

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

Manzoor Akhtar
SM Associates Lahore.(15A Ali Block,New Garden Town Lahore)

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

Client Reference: NIL

SOM Lab

Ref: 919 (Page-1a/1)

Dated: 15-09-2022

Dated: 15-09-2022

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	24.69	39.37	68930	70080	109910	111740	1.10	8.0	13.8	
2	2.646	8	0.995	0.79	0.778	22.20	35.85	61980	62940	100090	101630	1.20	8.0	15.0	
3	2.657	8	0.997	0.79	0.781	24.36	39.25	68020	68800	109560	110830	1.30	8.0	16.3	
4	2.658	8	0.997	0.79	0.781	22.22	35.37	62040	62760	98750	99890	1.40	8.0	17.5	
5	1.433	6	0.732	0.44	0.421	14.22	19.03	71280	74500	95400	99700	1.20	8.0	15.0	
6	1.458	6	0.738	0.44	0.428	14.09	18.83	70620	72600	94370	97020	1.10	8.0	13.8	
7	1.473	6	0.743	0.44	0.433	13.99	18.88	70100	71240	94630	96160	1.20	8.0	15.0	
8	1.467	6	0.741	0.44	0.431	11.28	18.83	56560	57750	94370	96340	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
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Shahzad Wahid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

XEN GE(Army)-I Gwa.(Const Of 8 D Type Flate at Gwa Cantt)

Client Reference: 6180-2561/12/E-6

SOM Lab

Ref:

920 (Page-1/4)

Dated: 13-09-2022

Dated:

15-09-2022

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	27.27	34.48	76130	77400	96250	97860	1.40	8.0	17.5	
2	1.500	6	0.749	0.44	0.441	14.95	22.12	74960	74790	110880	110630	1.00	8.0	12.5	
3	1.035	5	0.622	0.31	0.304	10.45	13.43	74340	75800	95510	97400	1.00	8.0	12.5	
4	0.653	4	0.494	0.20	0.192	6.73	8.79	74190	77280	96900	100930	1.10	8.0	13.8	s
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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

Shahzad Wahid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

XEN GE(Army)-I Gwa.(Const Of 8 D Type Flates HQ 2 Arty Div at Gwa Cantt)

Client Reference: 6180-2564/18/E-6

SOM Lab

Ref:

920 (Page-2/4)

Dated: 13-09-2022

Dated:

15-09-2022

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	2.668	8	0.999	0.79	0.784	26.93	34.68	75190	75760	96820	97560	1.50	8.0	18.8	
2	1.484	6	0.745	0.44	0.436	14.07	19.95	70510	71160	99990	100910	1.30	8.0	16.3	
3	1.070	5	0.632	0.31	0.314	9.94	13.76	70710	69810	97910	96660	1.40	8.0	17.5	
4	0.683	4	0.506	0.20	0.201	6.39	8.63	70480	70130	95210	94740	1.30	8.0	16.3	s
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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

Shahzad Wahid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

XEN GE(Army)-I Gwa.(Const Of 8 D Type Flates HQ 2 Arty Div at Gwa Cantt)

Client Reference: 6180-2564/18/E-6

SOM Lab

Ref:

920 (Page-3/4)

Dated: 13-09-2022

Dated:

15-09-2022

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	1.032	5	0.621	0.31	0.303	10.91	13.25	77600	79390	94280	96460	1.20	8.0	15.0	
2	0.644	4	0.491	0.20	0.189	4.65	6.60	51260	54240	72730	76960	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

Shahzad Wahid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

XEN GE(Army)-I Gwa.(Const Of 8 D Type Flate at Gwa Cantt)

Client Reference: 6180-2561/12/E-6

SOM Lab

Ref:

920 (Page-4/4)

Dated: 13-09-2022

Dated:

15-09-2022

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	1.041	5	0.624	0.31	0.306	10.70	13.32	76150	77150	94790	96030	1.10	8.0	13.8	
2	0.656	4	0.496	0.20	0.193	4.54	6.70	50030	51840	73850	76530	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

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

Test Performed By: Dr. /Engr. Waseem Abbas

Client Reference: Nil

SOM Lab

Ref: 921 (Page-1/1)

Dated: 15-09-2022

Dated: 15-09-2022

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	2.659	8	0.997	0.79	0.781	24.21	35.68	67590	68370	99600	100750	1.50	8.0	18.8	
2	2.705	8	1.006	0.79	0.795	25.43	36.56	71000	70560	102080	101440	1.30	8.0	16.3	
3	1.546	6	0.760	0.44	0.454	13.99	19.37	70100	67940	97080	94090	1.60	8.0	20.0	
4	1.537	6	0.759	0.44	0.452	13.99	19.42	70100	68240	97340	94750	1.60	8.0	20.0	
5	0.690	4	0.508	0.20	0.203	7.36	9.50	81160	79960	104770	103220	1.20	8.0	15.0	
6	0.695	4	0.510	0.20	0.204	7.14	9.25	78690	77150	101960	99960	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

Qasim Ali
Senior Manager Project-Civil, Volka Food International.Ltd.Multan

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

Client Reference: VFI/Civil/14

SOM Lab

Ref: 923 (Page-1/1)

Dated: 14-09-2022

Dated: 15-09-2022

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	2.597	8	0.986	0.79	0.763	21.12	31.62	58970	61050	88280	91400	1.60	8.0	20.0	
2	2.678	8	1.001	0.79	0.787	26.30	34.45	73420	73700	96190	96560	1.20	8.0	15.0	
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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

Bilal Zafar Sheikh, PSP

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

Addl.Dir Admin,for Dir/Dy Inspector General Of Police,SPU Punjab,Lahore.(SPU H/Q at Ladhiekey)

Client Reference: 15125/BC/SPU

SOM Lab

Ref: 924 (Page-1/1)

Dated: 16-08-2022

Dated: 15-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittafaq 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	1.464	6	0.740	0.44	0.430	11.85	18.09	59380	60760	90690	92800	1.50	8.0	18.8	
2	1.459	6	0.739	0.44	0.429	11.82	17.76	59270	60790	89010	91290	1.20	8.0	15.0	
3	0.683	4	0.506	0.20	0.201	5.30	7.91	58460	58160	87230	86800	1.30	8.0	16.3	
4	0.681	4	0.505	0.20	0.200	5.40	7.85	59580	59580	86560	86560	1.20	8.0	15.0	
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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