Bai Jinliang **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Dy Manager Powerchina SEPCO1(220KV Mirpur Khas Substion & Extension at Hala Rd Substation)

Client Reference: ADB-200/2018/334 **SOM Lab Ref:** 1429 (Page-1/1)

Dated: 19-12-2022 **Dated:** 19-12-2022

Test: Tension Test **Test Specification:** ASTM-A-615

Guage Length: 200 mm **Sample Type:** MS Def 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.549	20	20.34	314	325	167.00	217.50	532	514	693	670	25.0	200	12.5	
2	2.465	20	20.00	314	314	157.00	206.00	500	500	656	656	25.0	200	12.5	
3	2.490	20	20.10	314	317	156.70	212.50	499	494	677	670	27.5	200	13.8	
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Witnessed By: Noman Asghar J.E (NESPAK) ,M.Waheed Sheikh Power China(SEPCO)

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	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

Adnan Khalid **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Manager Procurment, Petrocon (Pvt) Ltd, Shell Pakistan Machike Dept

Client Reference: 100/UET-P331/TEST **SOM Lab Ref:** 1432 (Page-1/1)

Dated: 19-12-2022 **Dated:** 19-12-2022

Test: Tension Test **Test Specification:** ASTM-A-615

Guage Length: 200 mm **Sample Type:** MS Def 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.452	20	19.93	314	312	203.70	230.50	649	653	734	739	32.5	200	16.3	
2	1.562	16	15.92	201	199	121.00	155.00	602	608	771	779	30.0	200	15.0	
3	0.993	12	12.69	113	126	68.20	83.20	604	540	736	658	25.0	200	12.5	
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BEND TEST:

--	No Bend test performed

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
414 G-4, Johar Town, Lahore

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

Client Reference: Nil
Dated: 16-12-2022

SOM Lab Ref: 1422 (Page-1/1)
Dated: 16-12-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.714	8	1.008	0.79	0.798	27.22	34.66	75980	75220	96760	95790	1.20	8.0	15.0	
2	2.703	8	1.005	0.79	0.794	26.61	34.15	74280	73900	95340	94860	1.30	8.0	16.3	
3	1.524	6	0.755	0.44	0.448	15.60	19.47	78180	76780	97590	95850	1.00	8.0	12.5	
4	1.512	6	0.752	0.44	0.444	15.60	19.52	78180	77470	97850	96970	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

Kamran Tahir Sandhu,ME **Test Performed By:** **Dr. /Engr.** S Asad Ali Gillani

Planning Branch DHA Multan.(Const of Canty Levers/Gantry Sign at MB-05 and Pakistan Square)

Client Reference: 701/92/Planning/DHA **SOM Lab Ref:** 1423 (Page-1/1)

Dated: 16-12-2022 **Dated:** 19-12-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Amreeli 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	0.668	4	0.500	0.20	0.196	6.07	8.26	66890	68250	91050	92910	1.20	8.0	15.0	
2	0.669	4	0.501	0.20	0.197	6.22	8.38	68570	69620	92400	93810	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

Alif Holdings (Pvt) Ltd. **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Lahore.(Developer Preparing High Rise Building in different Cities Of Pakistan)

Client Reference: Nil **SOM Lab Ref:** 1425 (Page-1/1)

Dated: 19-12-2022 **Dated:** 19-12-2022

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	0.680	4	0.505	0.20	0.200	6.78	9.16	74750	74750	101060	101060	1.30	8.0	16.3	
2	0.674	4	0.502	0.20	0.198	6.75	9.19	74420	75170	101390	102420	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

Prof.DR.Engr.Abdulah Yasar,CE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

GC Uni,Lhr.(Const Of New Girls Hostel at GCU Lahore Main Campus)

Client Reference: GCU/Engr/877/W.O **SOM Lab Ref:** 1426 (Page-1/1)

Dated: 16-12-2022 **Dated:** 19-12-2022

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	2.707	8	1.007	0.79	0.796	30.33	46.23	84660	84030	129060	128080	1.20	8.0	15.0	
2	1.467	6	0.741	0.44	0.431	16.79	21.05	84160	85910	105510	107720	1.30	8.0	16.3	
3	0.661	4	0.497	0.20	0.194	5.52	8.10	60930	62810	89370	92130	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	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

Prime Builders
Lahore.

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

Client Reference: PB-019/012/2022
Dated: 19-12-2022

SOM Lab Ref: 1427 (Page-1/1)
Dated: 19-12-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	1.500	6	0.749	0.44	0.441	12.97	20.08	65000	64850	100660	100430	1.30	8.0	16.3	
2	1.491	6	0.747	0.44	0.438	12.79	19.93	64130	64420	99890	100350	1.10	8.0	13.8	
3	0.673	4	0.502	0.20	0.198	6.52	9.04	71940	72670	99710	100710	1.00	8.0	12.5	
4	0.671	4	0.501	0.20	0.197	6.01	9.28	66320	67330	102290	103850	1.00	8.0	12.5	
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BEND TEST:

# 6	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

Engr. M.Ali Haider Ch. **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Project Engr Prosperity Consult Lhr.(EPC/Turnkey Basis Of 132/11.5 KV Grid Station #1 DHA Guj)

Client Reference: DHA GUJ/GRID/354 **SOM Lab Ref:** 1428 (Page-1/1)

Dated: 13-12-2022 **Dated:** 19-12-2022

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	2.669	8	0.999	0.79	0.784	25.54	34.27	71290	71830	95680	96410	1.30	8.0	16.3	
2	2.672	8	1.000	0.79	0.785	25.91	34.86	72340	72800	97330	97950	1.40	8.0	17.5	
3	1.493	6	0.748	0.44	0.439	13.12	18.93	65760	65910	94880	95100	1.40	8.0	17.5	
4	1.504	6	0.750	0.44	0.442	14.14	19.57	70870	70550	98100	97660	1.30	8.0	16.3	
5	0.690	4	0.508	0.20	0.203	6.73	9.33	74190	73100	102860	101340	1.10	8.0	13.8	
6	0.675	4	0.502	0.20	0.198	6.80	8.84	74980	75740	97460	98440	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

M/S Royal Fas Industries
Rafiqabad G.T. Road, Gujrat

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

Client Reference: Nil
Dated: 07-12-2022

SOM Lab Ref: 1430 (Page-1/1)
Dated: 19-12-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.708	8	1.007	0.79	0.796	29.79	38.33	83160	82530	107000	106200	1.20	8.0	15.0	
2	2.757	8	1.016	0.79	0.810	30.19	38.55	84290	82210	107630	104970	1.20	8.0	15.0	
3	1.565	6	0.765	0.44	0.460	13.93	18.93	69850	66810	94880	90760	1.30	8.0	16.3	
4	1.563	6	0.764	0.44	0.459	13.86	18.86	69490	66620	94530	90610	1.40	8.0	17.5	
5	0.680	4	0.505	0.20	0.200	6.52	8.79	71940	71940	96900	96900	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	6.63	8.94	73070	74180	98580	100080	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine 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

Highway Sub Div Depalpur.(Rehb Of Depalpur Haveli Lakha Rd Via Bhuman Shah & Wasawalal)

SOM Lab

Client Reference: 441/D **Ref:** 1431 (Page-1/1)

Dated: 10-12-2022 **Dated:** 19-12-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed & Plain 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	2.678	8	1.001	0.79	0.787	19.49	31.21	54410	54620	87140	87470	1.40	8.0	17.5	Def
2	2.676	8	1.000	0.79	0.786	19.62	31.47	54780	55060	87850	88300	1.50	8.0	18.8	Def
3	2.676	8	1.000	0.79	0.786	24.79	31.29	69210	69560	87370	87810	1.30	8.0	16.3	Plain
4	2.674	8	1.000	0.79	0.786	24.87	31.21	69440	69790	87140	87580	1.30	8.0	16.3	Plain
5	1.508	6	0.751	0.44	0.443	18.73	21.87	93860	93230	109600	108860	1.00	8.0	12.5	Def
6	1.502	6	0.749	0.44	0.441	19.37	21.99	97080	96860	110210	109960	1.20	8.0	15.0	Def
7	1.504	6	0.750	0.44	0.442	18.76	21.56	94020	93590	108070	107580	1.30	8.0	16.3	Plain
8	1.509	6	0.751	0.44	0.443	19.32	21.89	96830	96170	109700	108960	1.20	8.0	15.0	Plain
9	0.674	4	0.502	0.20	0.198	6.60	8.84	72730	73470	97460	98440	1.10	8.0	13.8	Def
10	0.674	4	0.502	0.20	0.198	6.70	8.87	73850	74600	97800	98780	1.00	8.0	12.5	Def

BEND TEST:

--	No Bend test performed

Note:-

Only Ten Samples Received and Tested

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

Mascon Associates Pvt.Ltd **Test Performed By:** **Dr. /Engr.** Wasim Abbas

RE (Civil) Jv HA Consulting .(Estb Od Model Bazaar Head Office Building)

SOM Lab

Client Reference: MAC-HAC/22/PMBMC/LT/027 **Ref:** 1433 (Page-1/1)

Dated: 17-12-2022 **Dated:** 19-12-2022

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	2.674	8	1.000	0.79	0.786	33.13	39.45	92490	92960	110130	110690	1.50	8.0	18.8	
2	0.673	4	0.502	0.20	0.198	6.34	9.30	69920	70630	102520	103550	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Test Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore

(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2022/099 Dated: 16-12-2022
SOM Lab Ref:CED/SOM/1424 (Page 1/2) Dated: 19-12-2022
Test: Tensile Test
Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm^2)	kN	kN	(Mpa)	(Mpa)	
1	16	201	98.7	115.5	491	574	Sample Breaks from threaded portion
2	16	201	98.0	114.5	487	569	Sample Breaks from threaded portion

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

Test Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore

(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2022/100 Dated: 16-12-2022
SOM Lab Ref:CED/SOM/1424 (Page 2/2) Dated: 19-12-2022
Test: Tensile Test
Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm^2)	kN	kN	(Mpa)	(Mpa)	
1	25	491	190.5	281.2	388	573	Thread Failure

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