

StarchPack (Pvt.) Ltd.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lead Civil Lahore.(StarchPack Green Project At Kasur)

Client Reference: Nil

Dated: 14-06-2022

SOM Lab Ref: CED/SOM/479(Page-1/1)

Dated: 14-06-2022

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	2.351	20	19.51	314	299	163.20	202.70	519	546	645	678	32.5	200	16.3	Lot - 01
2	2.359	20	19.56	314	300	165.20	203.20	526	550	647	677	30.0	200	15.0	Lot - 01
3	2.476	20	20.04	314	315	165.20	200.50	526	524	638	636	27.5	200	13.8	Lot - 02
4	2.480	20	20.06	314	316	169.70	207.20	540	538	660	656	32.5	200	16.3	Lot - 02
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
20mm	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,
Ara Sub Div LJC, Sargodha.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: 350
SOM Lab Ref: CED/SOM/488(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 21-05-2022
Dated: 14-06-2022
Test Specification: ASTM-A 615
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	2.227	18	19.02	254	284	132.20	180.50	520	466	709	636	32.5	200	16.3	
2	2.244	18	19.08	254	286	131.50	179.20	517	461	704	628	32.5	200	16.3	
3	0.982	12	12.62	113	125	60.50	82.70	535	484	731	662	25.0	200	12.5	
4	0.983	12	12.63	113	125	61.00	81.00	539	488	716	647	25.0	200	12.5	
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BEND TEST:

18mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	Sample bend through 180 degrees Satisfactorily without any crack	

Muhammad Adnan Alam RE

Test Performed By:

Dr. /Engr. Wasim Abbas

ACES (Const Of Additional Staff Resident at Golf Mainten. Facility Of Rumanza Golf Course DHA Multan)

475 (Page-

Client Reference: ACES-DHAM-RGC-ASB-03

SOM Lab Ref: 1/1)

Dated: 07-06-2022

Dated: 14-06-2022

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	0.657	4	0.496	0.20	0.193	6.65	8.43	73290	75950	92960	96340	0.90	8.0	11.3	
2	0.653	4	0.494	0.20	0.192	6.68	8.33	73630	76700	91840	95670	0.90	8.0	11.3	
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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

Sohail Hussain Wyne ® Lt Col

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

ADH (Works) -IV Lahore.(Const Of 103 x SUHs (45x75) Sector -S Askari-X Lahore)

Client Reference: 607/Proj//Sec-S/Steel /ADH-IV

SOM Lab

476-478 (Page-

Ref:

1/1)

Dated: 13-06-2022

Dated:

14-06-2022

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	0.655	4	0.494	0.20	0.192	6.68	8.63	73630	76700	95210	99180	1.10	8.0	13.8	
2	0.656	4	0.496	0.20	0.193	6.68	8.48	73630	76300	93530	96920	1.00	8.0	12.5	
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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

Ijaz
Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 477 (Page-

Ref: 1/1)

Dated: 14-06-2022

Dated: 14-06-2022

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	2.641	8	0.994	0.79	0.776	27.27	33.94	76130	77500	94770	96480	1.40	8.0	17.5	
2	2.647	8	0.995	0.79	0.778	26.96	33.86	75270	76430	94540	96000	1.30	8.0	16.3	
3	1.387	6	0.721	0.44	0.408	14.32	18.09	71790	77420	90690	97810	1.10	8.0	13.8	
4	1.406	6	0.725	0.44	0.413	14.93	18.96	74860	79750	95040	101250	1.10	8.0	13.8	
5	0.672	4	0.501	0.20	0.197	6.63	8.58	73070	74180	94650	96090	1.20	8.0	15.0	
6	0.673	4	0.502	0.20	0.198	5.58	8.18	61490	62110	90150	91060	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

Sheikh Maqbool Hassan

Test Performed By:

Dr. /Engr. Wasim Abbas

RE NESPAK. (Dualization Of Sargodha-Khushab-Mianwali Road)(Group-III)

Client Reference: RE/4376-E/MH/4(c)/86

SOM Lab 480 (Page-

Ref: 1/1)

Dated: 07-06-2022

Dated: 14-06-2022

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	4.71	6.85	51940	52730	75540	76690	1.40	8.0	17.5	
2	0.676	4	0.503	0.20	0.199	4.76	6.63	52500	52760	73070	73440	1.60	8.0	20.0	
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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

Q-Links Property Const.

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

Project Manager Q-Links Construction Lahore.(Const of Jasmine Orchard Mall Bahria Orchard Lhr)

Client Reference: QCL-UET-2022-06-LTR-015

SOM Lab 481 (Page-

Ref: 1/1)

Dated: 14-06-2022

Dated: 14-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 inch

Sample Type: Gujjar)

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	0.674	4	0.502	0.20	0.198	7.10	8.69	78350	79140	95770	96740	1.20	8.0	15.0	
2	0.676	4	0.503	0.20	0.199	7.46	9.02	82290	82700	99480	99980	1.00	8.0	12.5	
3	0.645	4	0.492	0.20	0.190	7.21	8.69	79470	83660	95770	100810	1.20	8.0	15.0	
4	0.675	4	0.502	0.20	0.198	7.03	8.51	77560	78350	93860	94810	1.30	8.0	16.3	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Wasim Abbas

BSD No.6 Lahore.(Const Of New Office Block Of Commissioner Office Lhr)

Client Reference: 674/sd-6

SOM Lab

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Ref:

1/1)

Dated: 13-06-2022

Dated:

14-06-2022

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	2.650	8	0.996	0.79	0.779	26.81	33.64	74850	75900	93910	95240	1.40	8.0	17.5	
2	2.637	8	0.993	0.79	0.775	27.14	33.84	75760	77220	94480	96310	1.30	8.0	16.3	
3	1.479	6	0.744	0.44	0.435	15.70	19.54	78690	79590	97950	99080	1.20	8.0	15.0	
4	1.477	6	0.743	0.44	0.434	15.41	19.24	77260	78330	96420	97750	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	7.26	9.07	80040	82090	100050	102610	1.10	8.0	13.8	
6	0.665	4	0.498	0.20	0.195	7.05	8.74	77790	79780	96340	98810	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

Muhammad Ibrahim ® Lt. Col
Estate Engr Sundar Industrial Estate Lahore)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: BOM/SIE/BCD-8126

SOM Lab 483 (Page-

Ref: 1/1)

Dated: 13-06-2022

Dated: 14-06-2022

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	0.668	4	0.500	0.20	0.196	7.26	9.12	80040	81670	100610	102660	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	7.03	8.84	77560	78750	97460	98940	1.10	8.0	13.8	
3	0.667	4	0.500	0.20	0.196	6.83	8.53	75320	76850	94090	96010	1.00	8.0	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 Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0197

SOM Lab 484 (Page-

Ref: 1/1)

Dated: 10-06-2022

Dated: 14-06-2022

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	2.663	8	0.998	0.79	0.783	25.61	36.77	71490	72130	102650	103570	1.10	8.0	13.8	
2	2.667	8	0.999	0.79	0.784	25.28	36.56	70580	71120	102080	102860	1.10	8.0	13.8	
3	2.670	8	1.000	0.79	0.785	25.69	36.70	71720	72170	102450	103100	1.20	8.0	15.0	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

8 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Five Samples
Received and Tested

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0198

SOM Lab 485 (Page-

Ref: 1/1)

Dated: 10-06-2022

Dated: 14-06-2022

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	1.506	6	0.751	0.44	0.443	13.97	19.57	70000	69530	98100	97440	1.20	8.0	15.0	
2	1.502	6	0.749	0.44	0.441	13.56	19.24	67960	67800	96420	96200	1.20	8.0	15.0	
3	1.511	6	0.752	0.44	0.444	13.76	19.59	68980	68360	98210	97320	1.20	8.0	15.0	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0199
Dated: 10-06-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab 486 (Page-1/2)
Ref: 1/2
Dated: 14-06-2022
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	0.671	4	0.501	0.20	0.197	6.07	8.41	66890	67900	92740	94150	0.90	8.0	11.3	
2	0.651	4	0.493	0.20	0.191	5.73	8.63	63180	66150	95210	99700	1.00	8.0	12.5	
3	0.668	4	0.500	0.20	0.196	6.03	8.41	66550	67910	92740	94630	1.00	8.0	12.5	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0200

SOM Lab 486 (Page-

Ref: 2/2)

Dated: 13-06-2022

Dated: 14-06-2022

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	0.653	4	0.494	0.20	0.192	5.76	8.66	63510	66160	95550	99530	1.00	8.0	12.5	
2	0.654	4	0.494	0.20	0.192	5.86	8.72	64640	67330	96110	100120	1.10	8.0	13.8	
3	0.652	4	0.494	0.20	0.192	5.81	8.58	64080	66750	94650	98590	1.00	8.0	12.5	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Javid Iqbal
Riz Builders Lahore.(Din Plaza ,Johar Town Lahore)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 487 (Page-

Ref: 1/1)

Dated: 14-06-2022

Dated: 14-06-2022

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	2.624	8	0.991	0.79	0.771	23.65	35.09	66020	67650	97950	100370	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 8	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