

Aamir Shahzad Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/99

Dated: 13-05-2023

SOM Lab Ref: CED/SOM/2199(Page-1/2)

Dated: 17-05-2023

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	3.856	25	25.00	491	491	266.00	365.70	542	542	745	745	35.0	200	17.5	
2	3.869	25	25.05	491	493	250.70	360.70	511	509	735	732	32.5	200	16.3	
3	1.587	16	16.04	201	202	110.70	146.20	551	548	727	724	27.5	200	13.8	
4	1.578	16	16.00	201	201	106.20	140.50	528	529	699	700	25.0	200	12.5	
5	0.991	12	12.68	113	126	60.70	79.20	537	481	700	628	25.0	200	12.5	
6	0.987	12	12.65	113	126	65.50	83.50	579	521	738	665	25.0	200	12.5	
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BEND TEST:

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

Aamir Shahzad Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/98

Dated: 09-05-2023

SOM Lab Ref: CED/SOM/2199(Page-2/2)

Dated: 17-05-2023

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	0.960	12	12.46	113	122	55.00	75.50	486	451	668	619	27.5	200	13.8	
2	0.998	12	12.72	113	127	49.70	70.20	439	391	621	553	27.5	200	13.8	
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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

Lt.Col ® Muhammad Ibrahim

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Senior Estate Engr. Sundar Industrial Estate.(Const. Of New RO Plant at SIE)

Client Reference: BOM/SIE/BCD9137

Dated: 16-05-2023

SOM Lab Ref: CED/SOM/2202(Page-1/1)

Dated: 17-05-2023

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	1.003	13	12.77	133	128	64.00	81.00	482	500	610	633	25.0	200	12.5	
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BEND TEST:

13mm	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

Engr. Hassan Abid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE-2 ACES,DHA Multan.(Ref: UJC/SAACO/ DHA-M/2023/1284)

Client Reference: ACES/DHA/DEV/SEC-V/1116

Dated: 13-05-2023

SOM Lab Ref: CED/SOM/2200(Page-1/1)

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (SJ Steel)

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	1.000	12	12.72	113	127	66.20	87.50	585	522	774	689	30.0	200	15.0	
2	0.978	12	12.59	113	125	64.70	85.20	572	520	753	685	32.5	200	16.3	
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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

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/061

SOM Lab

Ref: 2201 (Page-1/1)

Dated: 15-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	2.594	8	0.985	0.79	0.762	0.00	54.00	0	0	150740	156280	1.00	8.0	12.5	
2	2.369	8	0.941	0.79	0.696	0.00	48.59	0	0	135660	153980	0.90	8.0	11.3	
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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 Saleem,G.M
Professional Const.Services Lahore.(Allied Bank DR Center Faisalabad)

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

Client Reference: PCS/23/Eng/40-D

SOM Lab

Ref: 2203 (Page-1/3)

Dated: 17-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	1.451	6	0.736	0.44	0.426	15.82	19.88	79300	81910	99640	102910	1.40	8.0	17.5	
2	1.453	6	0.737	0.44	0.427	15.75	19.08	78940	81350	95650	98560	1.30	8.0	16.3	
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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 Saleem,G.M
Professional Const.Services Lahore.(Allied Bank DR Center Faisalabad)

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

Client Reference: PCS/23/Eng/40-B

SOM Lab

Ref: 2203 (Page-2/3)

Dated: 17-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	0.678	4	0.503	0.20	0.199	6.83	8.46	75320	75690	93300	93770	1.10	8.0	13.8	
2	0.678	4	0.503	0.20	0.199	7.34	8.92	80940	81340	98360	98850	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

Muhammad Saleem,G.M
Professional Const.Services Lahore.(Allied Bank DR Center Faisalabad)

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

Client Reference: PCS/23/Eng/40-C

SOM Lab

Ref: 2203 (Page-3/3)

Dated: 17-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	1.034	5	0.622	0.31	0.304	12.10	14.95	86090	87780	106390	108490	1.10	8.0	13.8	
2	1.046	5	0.625	0.31	0.307	10.88	13.73	77380	78140	97690	98640	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

Muhammad Saleem,G.M
Professional Const.Services Lahore.(Allied Bank Lajna Chowk Lahore)

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

Client Reference: PCS/23/Eng-39-E

SOM Lab

Ref: 2204 (Page-1/4)

Dated: 16-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	2.696	8	1.004	0.79	0.792	28.34	36.72	79120	78920	102510	102250	1.20	8.0	15.0	
2	2.715	8	1.008	0.79	0.798	27.47	35.60	76700	75930	99380	98380	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

Muhammad Saleem,G.M
Professional Const.Services Lahore.(Allied Bank Lajna Chowk Lahore)

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

Client Reference: PCS/23/Eng-39-C

SOM Lab

Ref: 2204 (Page-2/4)

Dated: 16-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	1.491	6	0.747	0.44	0.438	15.67	20.00	78530	78890	100250	100710	1.30	8.0	16.3	
2	1.517	6	0.754	0.44	0.446	15.49	20.18	77670	76620	101170	99810	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

Muhammad Saleem,G.M
Professional Const.Services Lahore.(Allied Bank Lajna Chowk Lahore)

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

Client Reference: PCS/23/Eng-39-D

SOM Lab

Ref: 2204 (Page-3/4)

Dated: 16-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	1.055	5	0.628	0.31	0.310	9.50	12.64	67590	67590	89930	89930	1.30	8.0	16.3	
2	1.064	5	0.631	0.31	0.313	9.94	13.68	70710	70030	97330	96390	1.30	8.0	16.3	
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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 Saleem,G.M
Professional Const.Services Lahore.(Allied Bank Lajna Chowk Lahore)

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

Client Reference: PCS/23/Eng-39-B

SOM Lab

Ref: 2204 (Page-4/4)

Dated: 16-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	0.671	4	0.501	0.20	0.197	7.08	8.66	78130	79320	95550	97000	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	7.14	8.84	78690	79890	97460	98940	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

Izhar Steel (Pvt) Ltd.
Lahore.(LPG Storage & Bottling Facility PARCO PEARL GAS)

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

Client Reference: ISPL-ISPD-112-LET-00009

SOM Lab

Ref: 2205 (Page-1/1)

Dated: 17-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	2.625	8	0.991	0.79	0.771	26.71	34.51	74560	76400	96330	98710	1.40	8.0	17.5	
2	2.630	8	0.992	0.79	0.773	26.04	34.35	72710	74310	95900	98010	1.10	8.0	13.8	
3	1.029	5	0.620	0.31	0.302	10.93	13.32	77750	79800	94790	97300	1.10	8.0	13.8	
4	1.027	5	0.620	0.31	0.302	10.88	13.20	77380	79430	93920	96400	1.40	8.0	17.5	
5	0.660	4	0.497	0.20	0.194	6.37	8.05	70260	72430	88800	91550	1.10	8.0	13.8	
6	0.663	4	0.498	0.20	0.195	7.51	9.14	82850	84970	100830	103420	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
# 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

Muhammad Javed, RE

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

Mascon Associates Jv HA Consulting .(Estb Of Revenue Academy,Lahore group No.1)

Client Reference: HA-MAS/RE/RAC/03

SOM Lab

Ref: 2206 (Page-1/1)

Dated: 02-05-2023

Dated: 17-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

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	2.675	8	1.000	0.79	0.786	18.14	28.70	50660	50920	80110	80520	1.20	8.0	15.0	
2	2.683	8	1.002	0.79	0.788	18.52	26.52	51710	51840	74050	74240	1.00	8.0	12.5	
3	1.503	6	0.750	0.44	0.442	9.04	13.81	45320	45120	69240	68920	1.50	8.0	18.8	
4	1.516	6	0.754	0.44	0.446	8.97	13.71	44970	44360	68730	67800	1.60	8.0	20.0	
5	0.670	4	0.501	0.20	0.197	3.87	5.68	42720	43370	62610	63570	1.00	8.0	12.5	
6	0.672	4	0.501	0.20	0.197	3.82	5.61	42160	42800	61830	62770	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