

Engr. M.Asif Javed,
Project Manager ESAC
Lahore

Client Reference No.: ESAC/TGC/GCMF/202

Dated: 24-12-2024

Dated: 26-12-2024

Sample Type: M.S Deformed Steel bar with Coupler (CBT/TGC/40 CR Manufacturer: CBT)

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Remarks
	(#)	(in ²)	kN	(psi)	
1	8	0.79	323.2	91980	steel sample breaks at this load
2	8	0.79	329.3	93710	steel sample breaks at this load
3	8	0.79	323.2	91980	steel sample breaks at this load

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

Test Performed by: Dr. Asad Ali Gillani

Engr. M.Asif Javed,
Project Manager ESAC
Lahore

(Grand Central Mall Project Faisalabad)

Client Reference No.: ESAC/TGC/GCMF/202

SOM Lab Ref: CED/SOM/452 (Page-2/3)

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler (CBT/TGC/40 CR Manufacturer: CBT)

Dated: 24-12-2024

Dated: 26-12-2024

Tension Test Results

Sr. No.	Bar Size	Ultimate Load	Remarks
	(#)	kN	
1	6	62.2	Threaded slippage failure
2	6	83.2	Threaded slippage failure
3	6	83.5	Threaded slippage failure

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

Engr. M.Asif Javed,
Project Manager ESAC
Lahore
(Grand Central Mall Project Faisalabad)
Client Reference No.: ESAC/TGC/GCMF/202
SOM Lab Ref: CED/SOM/452 (Page-3/3)

Test: Tensile Test
Sample Type: M.S Deformed Steel bar with Coupler (CPDL/TGC/C45 Manufacturer: Cellpor Building Solution)

Test Performed by: Dr. Asad Ali Gillani

Dated: 24-12-2024
Dated: 26-12-2024

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(#)	(in²)	kN	kN	(Mpa)	(Mpa)	
1	8	0.79	243.0	322.2	69160	91690	steel sample breaks at this load
2	8	0.79	248.5	325.5	70720	92630	steel sample breaks at this load
3	8	0.79	235.0	319.7	66880	90980	steel sample breaks at this load
4	6	0.44	159.7	202.2	81600	103310	steel sample breaks at this load
5	6	0.44	155.0	197.0	79660	100660	steel sample breaks at this load
6	6	0.44	156.0	198.7	79710	101530	steel sample breaks at this load

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

Client Reference No.: MMP/1095/Kamalia/RPC/81/2024

Dated: 17-12-2024

SOM Lab Ref: CED/SOM/454

Dated: 26-12-2024

Test Type: Load Test of RPC Manhole Cover 24” Diameter

Test Standard: Non-standard test was performed as per requirement of the client [Application of load at the center of the Manhole Cover through circular thick(19.0mm) steel plate of 377mm diameter]

Test Performed by: Dr. Asad Ali Gillani

Muhammad Shafiq
Assistant Resident Engineer
PCP Pkg-III Kamalia, MM Pakistan

(Improvement of Sewerage System and Construction of Waste Water Treatment Plant-Kamalia City Package-1 Sewerage System)

This is with reference to your above-mentioned letter and SOM receipt No. 454 dated: 26-12-2024. The sample of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Diameter of Manhole Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
640 mm	75.6mm	10400 kg	Manhole Cover was cracked at this load

Witnessed by: M.Shafiq (ARE-Kamalia)

Saleem Tahir
PM ICPL (OMBRE' Holding Pvt Ltd Raiwind,Lahore)

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

Client Reference: OMBRe'/Mughal/Steel/017
SOM Lab Ref: CED/SOM/453(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: MS Deformed Bar (Mughal Steel)

Dated: 26-12-2024
Dated: 26-12-2024
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	3.836	25	24.95	491	489	285.50	345.70	582	584	704	707	37.5	200	18.8	
2	3.807	25	24.85	491	485	262.00	327.20	534	541	667	675	35.0	200	17.5	
3	2.392	20	19.70	314	305	150.50	200.20	479	494	637	657	35.0	200	17.5	
4	2.398	20	19.72	314	306	149.70	200.70	477	490	639	657	32.5	200	16.3	
5	1.537	16	15.79	201	196	108.70	135.20	541	556	672	691	30.0	200	15.0	
6	1.526	16	15.73	201	194	105.20	132.70	523	542	660	683	35.0	200	17.5	
7	0.876	12	11.92	113	112	57.20	75.20	506	513	665	674	25.0	200	12.5	
8	0.875	12	11.91	113	111	58.20	76.20	515	523	674	684	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
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

M. Sulman
123-W Block DHA, Lahore

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

Client Reference: Nil
Dated: 26-12-2024

SOM Lab
Ref: 445 (Page-1/1)
Dated: 26-12-2024

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	2.545	8	0.976	0.79	0.748	23.31	33.15	65090	68740	92550	97740	1.50	8.0	18.8	
2	2.567	8	0.980	0.79	0.754	24.99	34.10	69780	73110	95190	99740	1.40	8.0	17.5	
3	1.521	6	0.754	0.44	0.447	16.31	20.39	81750	80470	102190	100590	1.00	8.0	12.5	
4	1.472	6	0.743	0.44	0.433	15.31	19.67	76750	77990	98610	100210	1.10	8.0	13.8	
5	0.589	4	0.469	0.20	0.173	5.71	7.46	62950	72780	82290	95130	1.30	8.0	16.3	
6	0.589	4	0.469	0.20	0.173	5.68	7.54	62610	72390	83180	96170	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. Shafqat Rana
PM Union Developers (Pvt) Ltd.(Const of LMDCTH)

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

Client Reference: UA/SO/2024/03
Dated: 26-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 446 (Page-1/1)
Dated: 26-12-2024
Test Specification: ASTM-A-615
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	1.453	6	0.737	0.44	0.427	15.06	19.13	75470	77770	95910	98830	1.30	8.0	16.3	
2	1.474	6	0.743	0.44	0.433	15.70	19.83	78690	79960	99380	100990	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	6.73	8.28	74190	77280	91280	95080	1.40	8.0	17.5	
4	0.666	4	0.500	0.20	0.196	6.54	8.23	72170	73640	90720	92570	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

Li Wentao

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

CCECC-HCS JV.(Expension of Terminal Building and Allied Facilities at AllAP, Lahore)

Client Reference: CCECCHCSJVIIAP2024-484

SOM Lab

Dated: 26-12-2024

Ref: 448 (Page-1/1)

Dated: 26-12-2024

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	2.663	8	0.998	0.79	0.783	23.01	32.67	64230	64810	91210	92020	1.40	8.0	17.5	
2	2.641	8	0.994	0.79	0.776	22.88	32.59	63890	65040	90980	92620	1.50	8.0	18.8	
3	1.491	6	0.747	0.44	0.438	13.73	18.98	68830	69140	95140	95570	1.30	8.0	16.3	
4	1.503	6	0.750	0.44	0.442	13.78	19.06	69080	68770	95550	95120	1.30	8.0	16.3	
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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	

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

Pak Railways Sub Div Officer

Sukkur.(Arch Bridge b/w Begmaji-S/Block Hut Rohri Station into RCC Box Culvert on TDM-ROH Sec)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

SW-07

SOM Lab

Ref: 449 (Page-1/1)

Dated:

21-12-2024

Dated:

26-12-2024

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	1.479	6	0.744	0.44	0.435	15.19	18.71	76130	77010	93760	94840	1.50	8.0	18.8	
2	1.488	6	0.746	0.44	0.437	14.73	17.94	73830	74340	89930	90550	1.40	8.0	17.5	
3	1.036	5	0.622	0.31	0.304	10.96	13.93	77960	79500	99140	101100	1.30	8.0	16.3	
4	1.043	5	0.625	0.31	0.307	10.86	13.86	77240	77990	98630	99590	1.40	8.0	17.5	
5	0.665	4	0.498	0.20	0.195	5.81	7.08	64080	65720	78130	80130	1.20	8.0	15.0	
6	0.664	4	0.498	0.20	0.195	5.81	7.00	64080	65720	77230	79210	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

Mubashir Mahboob

Test Performed By: Dr. /Engr. Nauman Khurram

Ittefaq Building Solution Pvt Ltd.(Project: Diamond Denim by Sapphire,Ferozewattwan)

Client Reference: IBS/SD/ST

SOM Lab

Dated: 26-12-2024

Ref: 450 (Page-1/1)

Dated: 26-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo 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	2.668	8	0.999	0.79	0.784	26.52	36.14	74050	74620	100880	101660	1.30	8.0	16.3	
2	2.668	8	0.999	0.79	0.784	26.30	35.90	73420	73990	100230	101000	1.40	8.0	17.5	
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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		

M Kamran Amin

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

Ittefaq Building Solution Pvt Ltd.(Project: Diamond Denim by Sapphire,Ferozewattwan)

Client Reference: IBS/SD/ST

SOM Lab

Ref: 451 (Page-1/1)

Dated: 24-12-2024

Dated: 26-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Afco Steel)

[illegible]

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

Kamran Khan

Procurement Manager Q Links Construction Lahore.(Const Of Safari Home Bahria Orchard Lhr)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

Qlinls07

SOM Lab

Ref: 455 (Page-1/1)

Dated:

26-12-2024

Dated:

26-12-2024

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	1.447	6	0.736	0.44	0.425	13.66	21.36	68470	70890	107040	110820	1.30	8.0	16.3	
2	1.448	6	0.736	0.44	0.426	13.35	21.27	66940	69140	106640	110140	1.30	8.0	16.3	
3	0.645	4	0.492	0.20	0.190	5.83	8.89	64300	67680	98020	103180	1.00	8.0	12.5	
4	0.658	4	0.496	0.20	0.193	5.88	8.92	64860	67210	98360	101930	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		

Abdul Baseet
ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

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

Client Reference: DOC-BMC/AJWA/153
Dated: 26-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 456 (Page-1/1)
Dated: 26-12-2024
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	1.503	6	0.750	0.44	0.442	15.39	19.54	77160	76810	97950	97510	1.30	8.0	16.3	
2	1.507	6	0.751	0.44	0.443	14.44	19.54	72400	71910	97950	97290	1.00	8.0	12.5	
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BEND TEST:

# 6	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