

I. H ZARRAR

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

Engineering Design Bureau.(Impro of Facilities around Different Blocks &Electrical Works, NSPP Lhr)

Client Reference: EDB/82

SOM Lab Ref: 1956 (P-1/1)

Dated: 17-10-2025

Dated: 20-10-2025

Test: Tension Test

Test Specification: BS-4449

Guage Length: 200 mm

Sample Type: Tor 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	3.987	25	25.43	491	508	246.00	296.20	501	485	603	584	10.0	100	10.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Engr. Farrukh Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy. General Manager (Works) Habib Rafiq Engineering (Pvt.) Ltd.(101 Tower,Lahore)

Client Reference: HRLE/SKG/2025/Hunza/22-8.760/28-9.830/241

SOM Lab Ref:

1957 (P-1/1)

Dated: 20-10-2025

Dated:

20-10-2025

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

Deformed Bar (Hunza 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.892	28	28.16	616	623	285.70	388.50	464	459	631	624	35.0	200	17.5	
2	4.848	28	28.04	616	618	291.50	390.70	473	473	634	633	30.0	200	15.0	
3	2.993	22	22.04	387	381	175.70	235.70	454	461	609	619	32.5	200	16.3	
4	2.964	22	21.93	387	378	179.00	235.50	463	475	609	624	35.0	200	17.5	
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BEND TEST:

28mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
22mm	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

Client Reference No.: 4084/LDP/103/AIZ/04/362
2025

Dated: 18-10-

SOM Lab Ref: CED/SOM/1963
20-10-2025

Dated:

Test Type: Load Test of RPC Gully Grating & Chamber Cover

Test Standard: Non-standard test was performed as per requirement of the client [Application of load at the center of the Chamber Cover through Square thick steel plate of 12x10 Inch]

Test Performed by: Dr. Asad Ali Gillani

Muhammad Sohail Akhtar

Resident Engineer

Nespaq Allama Iqbal Zone. Lahore.

[Rehb/Impro of Street Sewerage/Drainage UC-264, Sultanka Allama Iqbal Zone MCL]

This is with reference to your above-mentioned letter and SOM receipt No.1963 dated: 20-10-2025. The samples of RPC Gully Grating & Chamber Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Sr. No	Size of Chamber Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
1	24x18.5 Inch	57.5 mm	4330 kg	The sample was cracked at this load

Client Reference No.: 4084/LDP/103/MSA/04/361
18-10-2025

Dated:

SOM Lab Ref: CED/SOM/1964
20-10-2025

Dated:

Test Type: Load Test of RPC Manhole Cover

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 steel plate of 15 Inch diameter]

Test Performed by: Dr. Asad Ali Gillani

Muhammad Sohail Akhtar

Resident Engineer

Nespak Allama Iqbal Zone. Lahore.

[Rehb/Impro of Street Sewerage/Drainage UC-264, Sultanka Allama Iqbal Zone MCL]

This is with reference to your above-mentioned letter and SOM receipt No.1964 dated: 20-10-2025. The samples of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Sr. No	Diameter of Manhole Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
1	640 mm	63.5 mm	15800 kg	The sample was cracked at this load

Etimaad Property Network
Lahore.(Project-DHN Campus Lahore Phase-6)

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

Client Reference: Nil

SOM Lab

Ref: 1955 (Page-1/1)

Dated: Nil

Dated: 20-10-2025

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	2.635	8	0.993	0.79	0.774	20.29	34.45	56630	57800	96190	98180	1.40	8.0	17.5	
2	2.621	8	0.990	0.79	0.770	20.39	34.30	56920	58400	95760	98250	1.40	8.0	17.5	
3	1.475	6	0.743	0.44	0.433	12.23	19.49	61320	62310	97690	99270	1.30	8.0	16.3	
4	1.467	6	0.741	0.44	0.431	12.41	19.34	62190	63480	96930	98950	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	6.03	9.35	66550	68250	103080	105720	1.30	8.0	16.3	
6	0.654	4	0.494	0.20	0.192	5.83	9.23	64300	66980	101730	105970	1.30	8.0	16.3	
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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. Ijaz Ahmad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

B.SC, C.R.P U.E.T, M.Sc Structure Engg H.K.P.U G.L Const. Ramtali Chowk Gujrat.

Client Reference: 995

SOM Lab

Ref:

1958 (Page-1/1)

Dated: 19-10-2025

Dated:

20-10-2025

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	1.244	6	0.683	0.44	0.366	9.19	13.25	46090	55410	66430	79860	1.40	8.0	17.5	
2	1.238	6	0.681	0.44	0.364	8.79	13.10	44050	53240	65660	79370	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

Engr. Tanveer Afzal

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

GM Blue Bricks Blue Town Sapphire, Lahore. (Plant Shed Blue Beverage Plant Lahore)

Client Reference: BTS/Lab/001131

SOM Lab

Ref: 1959 (Page-1/1)

Dated: 20-10-2025

Dated: 20-10-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Aziz 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	2.600	8	0.986	0.79	0.764	24.62	33.35	68730	71070	93120	96280	1.40	8.0	17.5	
2	1.502	6	0.749	0.44	0.441	14.65	19.93	73430	73260	99890	99670	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Faisal Bhatti
 PM Project Ittefaq Building Solution Pvt Ltd.(Ghazi Enclave Multan Road)

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

Client Reference: Nil

SOM Lab

Ref: 1960(Page-1/1)

Dated: 20-10-2025

Dated: 20-10-2025

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	24.54	33.84	68500	69110	94480	95330	1.40	8.0	17.5	Kamran
2	0.665	4	0.498	0.20	0.195	5.78	8.94	63740	65370	98580	101110	1.30	8.0	16.3	Aziz
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Mohsin Abbas

Test Performed By:

Dr. /Engr. Asad Ali Gillani

QAQC Manager Zameen Development.(Const. Of JADE Project by Zameen Development,Lahore)

Client Reference: ZD/QAQC/SS2510-000098&104/JADE/12

SOM Lab

Ref: 1961 (Page-1/1)

Dated: 20-10-2025

Dated: 20-10-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.756	8	1.016	0.79	0.810	23.14	38.07	64600	63010	106290	103670	1.40	8.0	17.5	SS-66
2	2.781	8	1.020	0.79	0.817	23.45	38.58	65460	63290	107710	104150	1.30	8.0	16.3	SS-66
3	1.537	6	0.759	0.44	0.452	13.61	21.89	68210	66400	109700	106790	1.20	8.0	15.0	SS-76
4	1.550	6	0.762	0.44	0.456	13.88	21.81	69590	67150	109340	105510	1.20	8.0	15.0	SS-76
5	0.674	4	0.502	0.20	0.198	6.22	9.38	68570	69260	103420	104460	1.40	8.0	17.5	SS-81
6	0.667	4	0.500	0.20	0.196	5.98	9.35	65990	67330	103080	105180	1.30	8.0	16.3	SS-81
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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

Zaigham Hussain
PM Elite Engineering (Pvt) Ltd Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 1962 (Page-1/1)

Dated: 20-10-2025

Dated: 20-10-2025

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	1.662	6	0.788	0.44	0.488	15.77	20.87	79050	71270	104590	94310	1.40	8.0	17.5	
2	0.656	4	0.496	0.20	0.193	6.88	8.99	75880	78630	99150	102740	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