

Test Performed By: Dr Asad Ali Gillani

Saqib Jameel
Country Manager
Globex Pakistan Lahore.

Client Reference: Nil

Dated: 24-05-2025

SOM Laboratory Reference: CED/SOM/1316(Page-1/1)

Dated: 02-06-2025

Test: Compression Test

Sample Type: Cat Eyes (3M Copy, Envy)

Test Results

Bottom Tension Deformation Load (Kg)					
Cat Eyes 602132117 (3M Copy)					
Cat Eyes 5025089211 (Envy)					

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

Test Performed by: Dr. Asad Ali Gillani

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

Client Reference No.: HRLE/SKG/2025/L-18/100-16/90-22/42-25/70-28/210

Dated: 02-06-2025

SOM Lab Ref: CED/SOM/1322(Page-1/1)

Dated: 02-06-2025

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler (Zahid Engineering)

Tension Test Results

Sample Remarks						
-------------------	--	--	--	--	--	--

	(mm)	(mm²)	kN	kN	(Mpa)	(Mpa)	
1	28	616	286.00	355.50	464	577	Steel Sample breaks at this load
2	28	616	279.00	356.00	453	578	Steel Sample breaks at this load
3	25	491	204.00	311.00	415	633	Steel Sample breaks at this load
4	22	387	184.00	256.50	475	663	Steel Sample breaks at this load
5	22	387	183.60	236.50	474	611	Steel Sample breaks at this load
6	16	201	95.70	119.00	476	592	Steel Sample breaks at this load
7	16	201	91.70	118.70	456	591	Steel Sample breaks at this load

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

Test Performed by: S. Asad Ali Gillani

Executive Engineer
PHE: Division Chakwal
Construction of Rural Water Supply Scheme in Village Badshahpur Tehsil Choa Saiden Shah Distt Chakwal.

Client Reference No.: 457/CH

SOM Lab Ref: CED/SOM/1331 (Page 1/1)

Test Type: Hardness

Sample Type: G.I Pipes

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine
(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B

Dated: 27-05-2025

Dated: 02-06-2025

Sample No.	Sample Type	Pipe No.	Hardness avg
1	G.I Pipe 4" dia	162	HR – 80.16– B
2	G.I Pipe 3" dia	56	HR – 82.0– B
3	G.I Pipe 2.5" dia	42	HR – 71.83– B
4	G.I Pipe 2" dia	208	HR – 83.5– B
5	G.I Pipe 1.5" dia	204	HR – 83.16- B

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

Client Reference No.: 4084/103/LDP/Ravi/04/498

Dated: 24-05-2025

SOM Lab Ref: CED/SOM/1332

06-2025

Dated: 02-

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

Syed Mubashar Hassan Naqvi

Resident Engineer

NESPAK (Pvt.) Ltd

(Rehb/Improvement of Street Pavement, Sewerage/Drainage Tauheed Abad, Badar Colony, Forest Colony, Bakhtawar Park, Qila Lachman Singh, Qila Muhammadi, Timber Market & Almadad Pak Colony UC 15 & 16 Ravi Zone MCL)

This is with reference to your above-mentioned letter and SOM receipt No.1332 dated: 02-06-2025. The sample of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Weight of Manhole Cover With Ring	Diameter of Manhole Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
49.85 Kg	640 mm	75.0 mm	14100 kg	The sample was cracked at this load

Asstt: Executive Engineer
CCD-1 Pak.PWD Lhr.(Const Of Hajj Complex,Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: AEE-II/CCD-I/LHR/236
Dated: 21-06-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1312 (Page-1/1)
Dated: 02-06-2025
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	2.653	8	0.997	0.79	0.780	27.32	33.66	76270	77250	93970	95170	1.30	8.0	16.3	

2	2.652	8	0.996	0.79	0.779	25.94	36.60	72430	73450	102170	103610	1.20	8.0	15.0	
3	1.522	6	0.754	0.44	0.447	15.34	19.69	76900	75700	98720	97170	1.10	8.0	13.8	
4	1.519	6	0.754	0.44	0.446	15.41	19.72	77260	76220	98870	97540	1.10	8.0	13.8	
5	0.923	5	0.587	0.31	0.271	7.29	11.18	51860	59320	79560	91010	1.20	8.0	15.0	
6	0.936	5	0.592	0.31	0.275	7.46	11.37	53090	59850	80860	91150	1.30	8.0	16.3	
7	0.668	4	0.500	0.20	0.196	7.54	8.79	83180	84880	96900	98880	0.90	8.0	11.3	
8	0.666	4	0.500	0.20	0.196	6.88	8.36	75880	77430	92180	94060	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

--	--

<u>BEND TEST:</u>		
# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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		

Engr. Naveed Sadiq
RE Orbit Developers.Lahore.(The Springs 47,Gulberg Lahore)

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

Client Reference: Nil
Dated: 02-06-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1313 (Page-1/1)
Dated: 02-06-2025
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	0.627	4	0.484	0.20	0.184	6.01	8.36	66320	72090	92180	100190	1.10	8.0	13.8	
2	0.621	4	0.481	0.20	0.182	5.88	8.12	64860	71280	89590	98450	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 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															

Resident Engineer
Metroplan-Asian JV Site Office.(Estb Of NSICTR Lahore Phase-1,Pkg-B)

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

Client Reference: Metroplan-Asian(JV)/NSICTR/RE-B&C/B/292
Dated: 29-05-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1314 (Page-1/1)
Dated: 02-06-2025
Test Specification: ASTM-A-615
Sample Type: Def Bar (Kamran Steel)(H# Apr-124)

Serial No.	Dia.	Area	Yield	Ultimate	Yield Stress	Ult. Stress	Elong	Gauge	%age	Remarks
------------	------	------	-------	----------	--------------	-------------	-------	-------	------	---------

		Nominal	Calculated	Nominal	Calculated	Load	Load	(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	1.490	6	0.747	0.44	0.438	13.15	18.62	65910	66220	93350	93780	1.50	8.0	18.8	
2	1.491	6	0.747	0.44	0.438	13.66	19.16	68470	68780	96060	96500	1.30	8.0	16.3	
3	1.493	6	0.748	0.44	0.439	13.83	19.16	69340	69500	96060	96280	1.40	8.0	17.5	
4	1.508	6	0.751	0.44	0.443	13.83	18.93	69340	68870	94880	94240	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 6	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															

Naeem Akhtar

Usman Ibrahim Construction Co.(Alam Tower)(Madina Foundation)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference: Nil

Dated: 02-06-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1315 (Page-1/1)

Dated: 02-06-2024

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	1.035	5	0.622	0.31	0.304	9.60	12.97	68320	69670	92250	94070	1.40	8.0	17.5	
2	1.074	5	0.634	0.31	0.316	10.21	13.61	72670	71290	96820	94980	1.60	8.0	20.0	
3	0.661	4	0.497	0.20	0.194	6.27	8.21	69130	71270	90490	93290	1.50	8.0	18.8	
4	0.682	4	0.505	0.20	0.200	6.34	8.36	69920	69920	92180	92180	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 5	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															

Muhammad Saleem,ME

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

NESPAK ADP WASA, Lhr.(Rainwater Management-Drainage Arrangement For Sore Point at Kareem Park)

Client Reference: NESPAK/WASA/ADP/UGWT/Kareem Park/ME/01

Dated: 26-05-2025

Test: Tension Test & Bend Test

SOM Lab

Ref: 1317 (Page-1/2)

Dated: 02-06-2025

Test Specification: ASTM-A-615

Gauge Length:8 inch

Sample Type:Deformed Bar (Markhor 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	2.616	8	0.990	0.79	0.769	26.81	35.29	74850	76890	98520	101210	1.40	8.0	17.5	
2	2.607	8	0.988	0.79	0.766	26.40	35.17	73710	76020	98180	101260	1.30	8.0	16.3	
3	1.493	6	0.748	0.44	0.439	16.00	21.22	80220	80400	106380	106620	1.10	8.0	13.8	
4	1.483	6	0.745	0.44	0.436	15.31	20.71	76750	77450	103830	104780	1.30	8.0	16.3	
5	0.618	4	0.481	0.20	0.182	6.42	8.56	70820	77820	94420	103760	1.30	8.0	16.3	
6	0.687	4	0.507	0.20	0.202	7.10	9.30	78350	77580	102520	101500	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

--	--

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 Saleem,ME

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

NESPAK ADP WASA, Lhr.(Rainwater Management-Drainage Arrangement For Sore Point at Fruit and Vegetable,Lhr)

Client Reference:Nespak/Wasa/ADP/UGWT/Fruit &Vegetable/ME/08

Dated:28-05-2025

SOM Lab

Ref:1317 (Page-2/2)

Dated:02-06-2025

Test:

Tension Test & Bend Test

Gauge Length:

8 inch

Test Specification:

ASTM-A-615

Sample Type:

Deformed Bar (Farooq Supreme)

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	1.006	5	0.614	0.31	0.296	7.14	10.88	50770	53170	77380	81040	1.50	8.0	18.8	
2	1.000	5	0.612	0.31	0.294	7.16	11.06	50910	53680	78690	82970	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 5	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															

Kamran Khan

Procurement Manager Q Links Construction Lahore.(Const Of Q-High Street Lhr)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference: MAY-DN-3134

Dated: 02-06-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1318 (Page-1/1)

Dated: 02-06-2025

ASTM-A-615

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	2.628	8	0.991	0.79	0.772	22.50	36.70	62810	64270	102450	104840	1.20	8.0	15.0	
2	1.519	6	0.754	0.44	0.446	13.32	20.97	66780	65890	105100	103690	1.30	8.0	16.3	
3	0.662	4	0.498	0.20	0.195	5.50	8.66	60700	62260	95550	98000	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 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														
# 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															

Procurement Manager Q Links Construction Lahore.(Const Of Q-High Street Lhr)

Asad Ali Gillani

Dated: 02-06-2025

Ref: 1319 (Page-1/1)

Dated: 02-06-2025

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	2.608	8	0.988	0.79	0.766	21.22	35.70	59250	61110	99660	102780	1.30	8.0	16.3	
2	0.619	4	0.481	0.20	0.182	5.02	7.95	55310	60780	87680	96350	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 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															

Kamran Khan
Procurement Manager Q Links Construction Lahore.(Const Of Q-High Street Lhr)

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

Client Reference: Apr-DN-3183
Dated: 02-06-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1320 (Page-1/1)
Dated: 02-06-2025
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	1.485	6	0.745	0.44	0.436	13.17	21.17	66020	66620	106130	107100	1.30	8.0	16.3	
2	0.673	4	0.502	0.20	0.198	6.14	9.12	67670	68360	100610	101620	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	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

M.Yasir Kiani, RE

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

JCP Wahga NESPAK. (Expansion Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/185

Dated: 26-05-2025

Test: Tension Test

Gauge Length: 8 inch

SOM Lab

Ref: 1323 (Page-1/2)

Dated: 02-06-2025

Test Specification: ASTM-A-615

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	2.651	8	0.996	0.79	0.779	22.17	34.76	61900	62770	97040	98410	1.40	8.0	17.5	
2	2.652	8	0.996	0.79	0.779	22.04	34.98	61530	62400	97670	99050	1.50	8.0	18.8	
3	1.484	6	0.745	0.44	0.436	12.71	19.88	63720	64300	99640	100550	1.20	8.0	15.0	
4	1.493	6	0.748	0.44	0.439	13.88	21.68	69590	69750	108680	108930	1.20	8.0	15.0	
5	0.645	4	0.492	0.20	0.190	5.56	8.51	61270	64490	93860	98800	1.40	8.0	17.5	
6	0.649	4	0.493	0.20	0.191	5.66	8.58	62390	65330	94650	99110	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional Officer

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Building Sub Div Shahpur.(Program For Revamping of BHU in Distt Sargodha)

Client Reference: E-24/214/SHP

SOM Lab

Ref:

1324 (Page-1/1)

Dated: 10-05-2025

Dated:

02-06-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

[illegible]

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

Building Sub Div Shahpur.(Const Of Record Room at Judicial Complex Sahiwal Distt Sargodha)

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

Client Reference: E-24/223/SHP

Dated: 16-05-2025

SOM Lab

Ref: 1325 (Page-1/1)

Dated: 02-06-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

[illegible]

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

Sub Divisional Officer

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

Building Sub Div Kotmomin.(Program For Revamping of BHU in Distt Sargodha)

Client Reference: 522/Kotmomin

Dated: 07-05-2025

SOM Lab

Ref: 1326 (Page-1/1)

Dated: 02-06-2025

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	0.669	4	0.501	0.20	0.197	6.54	8.82	72170	73270	97230	98720	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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															

Building Sub Div Sillanwali.(Program For Revamping of BHU in Distt Sargodha)

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 1327 (Page-1/1)

02-06-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

[illegible]

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

Sub Divisional Officer

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

Building Sub Div Sargodha.(Program For Revamping of BHU of Distt Sargodha)

Client Reference: 333/SGD

SOM Lab

Ref: 1328 (Page-1/1)

Dated: 21-05-2024

Dated: 02-06-2025

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	0.666	4	0.500	0.20	0.196	6.80	8.77	74980	76510	96670	98650	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional Officer

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

Building Sub Div Bhalwal.(Program For Revamping of BHU in Distt Sargodha)

Client Reference: 850/BHL

SOM Lab

Ref: 1329 (Page-1/1)

Dated: 07-05-2025

Dated: 02-06-2025

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	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.666	4	0.500	0.20	0.196	6.32	8.48	69700	71120	93530	95430	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Client Reference:	<u>NESPAK/WASA/ADP/UGWT/TP/ME/09</u>	SOM Lab	
Dated:	24-05-2025	Ref:	1330 (Page-1/1)
		Dated:	02-06-2025

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

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	1.502	6	0.749	0.44	0.441	16.46	20.34	82520	82330	101940	101700	1.30	8.0	16.3	
2	1.492	6	0.747	0.44	0.438	14.53	18.76	72810	73140	94020	94450	1.30	8.0	16.3	
3	0.667	4	0.500	0.20	0.196	6.70	9.35	73850	75360	103080	105180	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	6.93	9.40	76440	78000	103640	105760	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 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		