

Arfan Nazir, Manager Civil

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

Nishat Linen (Pvt) Ltd.(Const Of Nishat Linen Fabric Godown Extension Lahore)

Client Reference: NL/ST/004

SOM Lab Ref: 459 (Page-1/1)

Dated: 24-12-2024

Dated: 27-12-2024

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS Def Bar (Batala 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	3.874	25	25.08	491	494	243.50	342.70	496	493	698	694	37.5	200	18.8	
2	3.897	25	25.14	491	496	245.00	343.50	499	494	700	692	35.0	200	17.5	
3	1.559	16	15.90	201	199	113.70	150.00	566	573	746	756	25.0	200	12.5	
4	1.547	16	15.84	201	197	114.00	149.70	567	579	745	760	25.0	200	12.5	
5	0.868	12	11.87	113	111	55.70	76.70	493	504	679	694	25.0	200	12.5	
6	0.882	12	11.96	113	112	61.00	82.70	540	544	732	737	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

--	--

BEND TEST:

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

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

Test Performed by: Dr. Asad Ali Gillani

Client Reference No.: HRLE/SKG/2024/L-13/102-22/181A(Retest)
SOM Lab Ref: CED/SOM/460 (Page-1/1)
Test: Tensile Test
Sample Type: M.S Deformed Steel bar with Coupler (Zahid Engineering)

Dated: 27-12-2024
Dated: 27-12-2024

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm²)	kN	kN	(Mpa)	(Mpa)	
1	22	387	176.0	232.5	455	601	Threaded Slippage failure
2	22	387	178.0	233.5	460	603	Steel Sample breaks at this load

Witnessed by: M.Irfan QC Engr/HRL, Muhammad Akram Sr.Site Engineer/101 Group
Note: Please always confirm the results on web www.uet-civil.edu.pk

Lahore.(Project Tawal Site ID:TWP(PSH0011,12,18 SWB0001,08,09,02,013 GRW0001,03)

Dr. /Engr. Asad Ali Gillani

Dated: 01-12-2024

Dated: 27-12-2024

Test Specification: ASTM-A 615

Gauge Length: 200 mm

[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

Engr. Muhammad Tariq Assai
GM Jafiris and Steele (Pvt) Ltd.Lahore

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

Client Reference: JSPL2024-80/529

Dated: 27-12-2024

SOM Lab Ref: CED/SOM/462 (Page-1/1)

Dated: 27-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

[illegible][illegible]

BEND TEST:

20mm	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

Tahawar Owais
PM DSG Energy Lahore.(Const Of Office Building at 29-M QIE,Lahore)

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

Client Reference: Nil
Dated: 27-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 458 (Page-1/1)
Dated: 27-12-2024
Test Specification: ASTM-A-615
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)				
	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	26.50	34.35	73990	74370	95900	96390	1.50	8.0	18.8	
2	2.621	8	0.990	0.79	0.770	26.71	34.56	74560	76500	96470	98980	1.30	8.0	16.3	
3	1.492	6	0.747	0.44	0.438	13.63	18.01	68320	68630	90290	90700	1.50	8.0	18.8	
4	1.490	6	0.747	0.44	0.438	13.61	17.96	68210	68530	90030	90440	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Baber Baig, RE

QA/QC Deptt.Bahria Town Lhr.(Zoo Orchard at Block H Bahria Orchard)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

QA/QC-Steel-3861

SOM Lab

Ref: 463 (Page-1/1)

Dated:

11-12-2024

Dated:

27-12-2024

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	0.592	4	0.471	0.20	0.174	6.19	8.43	68230	78430	92960	106850	1.20	8.0	15.0	
2	0.591	4	0.471	0.20	0.174	6.12	8.43	67450	77530	92960	106850	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Mr. Sulman

MM Blue Horizon Consultants Lhr.(4-Storey Commercial bldg Const. E1-Block,Valancia Society,Lhr)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

005

SOM Lab

Ref: 464 (Page-1/1)

Dated:

26-12-2024

Dated:

27-12-2024

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	2.648	8	0.995	0.79	0.778	22.32	32.52	62330	63290	90780	92180	1.40	8.0	17.5	
2	1.487	6	0.746	0.44	0.437	14.78	20.15	74090	74600	101020	101710	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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		

Mr. Sulman

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

MM Blue Horizon Consultants Lhr.(4-Storey Commercial bldg Const. E1-Block,Valancia Society,Lhr)

SOM Lab

Client Reference: 002

Ref: 465 (Page-1/1)

Dated: 26-12-2024

Dated: 27-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (5 Star 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	2.737	8	1.012	0.79	0.804	23.75	37.53	66310	65150	104780	102960	1.50	8.0	18.8	
2	1.506	6	0.751	0.44	0.443	13.02	18.76	65250	64810	94020	93380	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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		

Mr. Sulman

MM Blue Horizon Consultants Lhr.(4-Storey Commercial bldg Const. E1-Block,Valancia Society,Lhr)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

001

SOM Lab

Ref: 466 (Page-1/1)

Dated:

26-12-2024

Dated:

27-12-2024

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	2.692	8	1.004	0.79	0.791	25.20	35.17	70350	70260	98180	98060	1.40	8.0	17.5	
2	1.498	6	0.748	0.44	0.440	12.90	18.65	64640	64640	93510	93510	1.50	8.0	18.8	
3	0.671	4	0.501	0.20	0.197	6.07	9.30	66890	67900	102520	104080	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	
# 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.Waseem Azhar
Asstt Director (QCD) WASA,LDA,Lhr.(M/S. Universal RCC Pipe Factory)

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

Client Reference: QCD/2637
Dated: 27-12-2024
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 468 (Page-1/1)
Dated: 27-12-2024
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	0.656	4	0.496	0.20	0.193	6.60	8.61	72730	75370	94990	98430	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 4	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

Fareed Maqsood, CEO

CMA Engg & Construction (Pvt) Ltd.(Partial Refurbishments of The Chancellery Bldg and Const.)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

CMA/TK/EMB/ISB/21

SOM Lab

Ref: 469 (Page-1/1)

Dated:

24-12-2024

Dated:

27-12-2024

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	1.053	5	0.627	0.31	0.309	9.70	14.90	69040	69270	106030	106370	1.00	8.0	12.5	
2	1.047	5	0.626	0.31	0.308	9.55	14.98	67960	68400	106610	107300	1.10	8.0	13.8	
3	0.656	4	0.496	0.20	0.193	6.49	8.97	71610	74200	98920	102510	1.10	8.0	13.8	
4	0.654	4	0.494	0.20	0.192	5.61	8.84	61830	64400	97460	101520	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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		