

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

Asad Ali Gillani

SOM Lab Ref: 494 (P-1/1)

Dated: 02-01-2025

Test Specification: ASTM-A-615

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.863	12	11.84	113	110	58.20	76.20	515	530	674	693	32.5	200	16.3	
2	0.867	12	11.86	113	110	55.20	75.50	488	500	668	684	30.0	200	15.0	
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<u>BEND TEST:</u>															
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															

Dr. /Engr. S. Asad Ali Gillani

Dated: 18-12-2024
Dated: 02-01-2025

Test Specification: ASTM-A 615
Gauge Length: 200 mm

[illegible]

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Dr. /Engr. S. Asad Ali Gillani

18-12-2024

02-01-2025

ASTM-A 615

200 mm

[illegible]

BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

Dr. /Engr. S. Asad Ali Gillani

Dated: 31-12-2024
Dated: 02-01-2025

Test Specification: ASTM-A 615

Gauge Length: 200 mm

[illegible]

BEND TEST:

20mm	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	
16mm	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

Minhaj Khizar,	Test Performed
Sr. Civil Engineer	Style Textile.(Const Of Thermal Oil Heater at SAP)

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

Client Reference: Nil **Dated:** 31-12-2024

SOM Lab Ref: CED/SOM/499(Page-2b/2) **Dated:** 02-01-2025

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

Sample Type: M S 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	0.891	12	12.00	113	113	68.50	76.20	606	607	674	675	30.0	200	15.0	
2	0.884	12	11.97	113	113	64.00	71.70	566	569	634	637	25.0	200	12.5	
3	0.892	12	12.03	113	114	67.00	75.20	592	590	665	662	27.5	200	13.8	
4	0.880	12	11.95	113	112	64.00	71.50	566	571	632	638	25.0	100	25.0	
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<u>BEND TEST:</u>															
12mm		Sample bend through 180 degrees Satisfactorily without any crack									Note:- Only Six Samples Received and Tested				
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															

Mohsin Abbas

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

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

Client Reference: ZD/QAQC/Phoenix/05

Dated: 02-01-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 495 (Page-1/1)

Dated: 02-01-2025

Test Specification: ASTM-A-615

Sample Type: Def. Bar (H # DEC-169-179-180)

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	1.492	6	0.747	0.44	0.438	14.75	20.03	73940	74270	100400	100860	1.10	8.0	13.8	
2	1.494	6	0.748	0.44	0.439	13.68	19.03	68570	68730	95400	95610	1.40	8.0	17.5	
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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		

Manzoor Ahmad Joya, RE

Test Performed By: Dr. /Engr. Irfan Ul Hassan

NesPak ,SKP.(Estb Of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Sheikhpora)

Client Reference: 3844/311/RE/015

SOM Lab

Dated: 31-12-2024

Ref: 496 (Page-1/1)

Dated: 02-01-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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	2.612	8	0.989	0.79	0.768	27.73	34.17	77410	79620	95390	98120	1.20	8.0	15.0	
2	2.580	8	0.982	0.79	0.758	27.83	34.63	77690	80970	96670	100750	1.30	8.0	16.3	
3	0.673	4	0.502	0.20	0.198	7.29	8.94	80370	81190	98580	99580	1.00	8.0	12.5	
4	0.672	4	0.501	0.20	0.197	7.26	8.94	80040	81260	98580	100080	1.00	8.0	12.5	
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BEND TEST:

# 8	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

Jhelum.(Const Of 08 C/Rooms 25'x18' With Verandah 8' Wide at Govt Graduate College Jhelum)

SOM Lab

Ref: 497 (Page-1/1)

Dated: 02-01-2025

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	1.492	6	0.747	0.44	0.438	11.04	16.84	55340	55590	84410	84800	1.50	8.0	18.8	
2	1.508	6	0.751	0.44	0.443	11.01	16.69	55190	54810	83640	83080	1.60	8.0	20.0	
3	0.668	4	0.500	0.20	0.196	5.30	7.10	58460	59650	78350	79950	1.50	8.0	18.8	
4	0.670	4	0.501	0.20	0.197	5.20	6.93	57330	58200	76440	77600	1.60	8.0	20.0	
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<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															

Sajjad Ashraf, CEO

AMCO Lahore.(Const Of Avenue-200 "8 Floor High Rise Building" Johar Town Lahore)

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

Client Reference: Nil

Dated: 02-01-2025

Test: Tension Test

Gauge Length: 8 inch

SOM Lab

Ref: 500 (Page-1/1)

Dated: 02-01-2025

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	2.613	8	0.989	0.79	0.768	24.82	39.78	69300	71280	111040	114220	1.20	8.0	15.0	
2	2.626	8	0.991	0.79	0.772	24.77	39.77	69160	70770	111020	113600	1.30	8.0	16.3	
3	1.495	6	0.748	0.44	0.439	15.60	20.08	78180	78360	100660	100890	1.20	8.0	15.0	
4	1.494	6	0.748	0.44	0.439	15.97	20.15	80070	80250	101020	101250	1.10	8.0	13.8	
5	0.659	4	0.497	0.20	0.194	6.44	9.43	71040	73240	103980	107190	1.20	8.0	15.0	
6	0.660	4	0.497	0.20	0.194	6.44	9.45	71040	73240	104200	107430	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		

Sub Divisional officer,
Ravi Syphon Sub Div Batapur Lhr.(Const Of Gated Head Regulators BRBD Link Canal,Pkg-B&C)

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

Client Reference: 16/Camp

SOM Lab

Dated: 30-12-2024

Ref: 501 (Page-1/1)

Dated: 02-01-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittehad 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	2.722	8	1.009	0.79	0.800	29.84	39.86	83300	82260	111270	109880	1.10	8.0	13.8	
2	2.718	8	1.009	0.79	0.799	27.83	36.49	77690	76820	101880	100730	1.40	8.0	17.5	
3	1.528	6	0.756	0.44	0.449	15.70	19.88	78690	77110	99640	97640	1.10	8.0	13.8	
4	1.527	6	0.756	0.44	0.449	16.21	20.08	81240	79610	100660	98640	1.10	8.0	13.8	
5	0.670	4	0.501	0.20	0.197	7.41	8.92	81720	82970	98360	99860	1.00	8.0	12.5	
6	0.666	4	0.500	0.20	0.196	7.80	9.40	85990	87750	103640	105760	1.00	8.0	12.5	
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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		

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

Dr. /Engr. Asad Ali Gillani

SOM Lab

Dated: 02-01-2025

ASTM-A-615

Test Specification:

Sample Type: Deformed Bar (Aziz Steel)

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	

