

Engr. M Asif Javed
PM, ESAC DHA Lahore.
(Grand Central Mall Project Faisalabad)

Test Performed by: Dr. Asad Ali Gillani

Client Reference No.: ESAC/TGC/GCMF/214

Dated: 10-02-2025

SOM Lab Ref: CED/SOM/753(Page-1/1)

Dated: 11-02-2025

Test: Tensile Test

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

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(#)	in ²	kN	kN	(psi)	(psi)	
1	8	0.79	306.0	351.2	87080	99950	Steel Sample breaks at this load
2	6	0.44	-	107.7	-	55030	Threaded slippage failure

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

Arfan Nazir, Manager Civil **Test Performed**
Nishat Linen (Pvt) Ltd.(Const Of Compressor Room Unit 29 Lahore)

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

Client Reference: NDF/ST/001

SOM Lab Ref: 755 (Page-1/1)

Dated: 31-01-2025

Dated: 11-02-2024

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS Def Bar (Batala Gold)

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	2.426	20	19.84	314	309	166.70	220.70	531	540	703	715	32.5	200	16.3	
2	2.437	20	19.88	314	310	164.50	218.70	524	530	696	705	37.5	200	18.8	
3	1.590	16	16.06	201	203	101.00	139.00	502	499	692	687	25.0	200	12.5	
4	1.592	16	16.07	201	203	102.00	141.00	507	504	701	696	27.5	200	13.8	
5	0.919	12	12.21	113	117	64.70	84.50	573	553	748	722	27.5	200	13.8	
6	0.916	12	12.19	113	117	63.00	83.20	558	541	736	714	25.0	200	12.5	
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<u>BEND TEST:</u>															
20mm		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															

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

Dr. /Engr. Asad Ali Gillani

Dated: 11-02-2025

Ref: 747 (Page-1/1)

Dated: 11-02-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	1.483	6	0.745	0.44	0.436	12.44	17.04	62340	62910	85430	86220	1.40	8.0	17.5	
2	1.448	6	0.736	0.44	0.426	11.74	16.53	58860	60800	82880	85600	1.50	8.0	18.8	
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<u>BEND TEST:</u>															
# 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															

Innovative® Construction Company Lahore.(Project: Shoring Works at Kingdom area,RUDA Lahore)

Dr. /Engr. Asad Ali Gillani

Dated: 10-02-2025

Ref: 748(Page-1/1)

Dated: 11-02-2025

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	0.665	4	0.498	0.20	0.195	5.88	8.26	64860	66530	91050	93390	1.40	8.0	17.5	
2	0.668	4	0.500	0.20	0.196	5.76	8.18	63510	64810	90150	91990	1.30	8.0	16.3	
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<u>BEND TEST:</u>															
--	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															

SD Sargodha.(Repair/Replacement of M/Sewerage Line of 72" under Bed of Lower Jhelum Canal)

SOM Lab

Ref: 749 (Page-1/1)

Dated: 11-02-2025

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	0.667	4	0.500	0.20	0.196	5.71	7.59	62950	64240	83750	85460	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	5.66	7.56	62390	63340	83410	84680	1.20	8.0	15.0	
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<u>BEND TEST:</u>															
--	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 Div Noorpur Thal.(Const Of PCC Slab/Water Filtration Plant in U.C Gunjial Janubi Distt Khushab)

Sub Div Noorpur Thal.(Const Of PCC Slab/Water Filtration Plant in U.C Gunijal Janubi Distt Khushab)

Ref: 750 (Page-1/1)

Dated: 11-02-2025

Test Specification: ASTM-A-615

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

Chief Resident Engineer, NESPAK, The Shrine Syed Ali Al-Hajveri (RA), Lahore

Dr. /Engr. Asad Ali Gillani

Dated: 11-02-2025

Ref: 751 (Page-1/1)

Dated: 11-02-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan 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	2.629	8	0.992	0.79	0.773	26.30	35.70	73420	75040	99660	101850	1.40	8.0	17.5	
2	2.637	8	0.993	0.79	0.775	25.81	35.70	72060	73450	99660	101590	1.30	8.0	16.3	
3	1.504	6	0.750	0.44	0.442	17.23	21.78	86350	85960	109190	108700	1.00	8.0	12.5	
4	1.517	6	0.754	0.44	0.446	17.58	21.76	88140	86950	109090	107620	1.10	8.0	13.8	
5	1.030	5	0.621	0.31	0.303	9.58	13.58	68170	69750	96600	98830	1.10	8.0	13.8	
6	1.033	5	0.622	0.31	0.304	9.50	13.63	67590	68930	96960	98880	1.00	8.0	12.5	
7	0.675	4	0.502	0.20	0.198	6.65	8.74	73290	74030	96340	97310	1.00	8.0	12.5	
8	0.671	4	0.501	0.20	0.197	6.65	8.87	73290	74410	97800	99290	1.00	8.0	12.5	
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Witnessed By:				NESPAK											
<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															

ARE Pkg V MMP-PCP Okara.(Sewerage System)(Const Of Waste Water Treatment Plant)

Dr. /Engr. Asad Ali Gillani

Dated: 05-02-2025

Ref: 752 (Page-1/1)

Dated: 11-02-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

[illegible]

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 4	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

Dr. /Engr. Asad Ali Gillani

SOM Lab

753 (Page-1/1)

11-02-2025

Test Specification:

Deformed Bar (Hunza Steel)

Sample Type:

[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

Dr. /Engr. Asad Ali Gillani

754 (Page-1/1)

11-02-2025

ASTM-A-615

Sample Type: Deformed Bar (AK Supreme)

[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

NESPAK Lhr(Estb of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Distt Skp,Pkg-C)

Dr. /Engr. Asad Ali Gillani

SOM Lab
Ref: 756 (Page-1/1)

Dated: 11-02-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (SJ Steel)

[illegible]

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

Dr. /Engr. Nauman Khurram

757(Page-1/1)

11-02-2025

Deformed Bar

[illegible]

BEND TEST:

# 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

Sub Divisional officer, **Test Performed By:** Dr. /Engr. Asad Ali Gillani
 BSD Kasur.(Const Of 3rd Storey Of Haji Safdar Ali Academic Block at Govt.Islamia College for Boys)

Client Reference: 220/K **SOM Lab**
Dated: 08-02-2025 **Ref:** 758(Page-1/1)
Dated: 11-02-2025

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	1.508	6	0.751	0.44	0.443	14.24	22.45	71380	70900	112510	111750	1.40	8.0	17.5	
2	1.510	6	0.752	0.44	0.444	13.97	21.30	70000	69370	106790	105830	1.40	8.0	17.5	
3	0.653	4	0.494	0.20	0.192	6.34	9.96	69920	72830	109820	114400	1.10	8.0	13.8	
4	0.647	4	0.492	0.20	0.190	6.12	9.25	67450	71000	101960	107320	1.10	8.0	13.8	
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<u>BEND TEST:</u>															
--	No Bend test performed									Note:- Only Four Samples Received and Tested					
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															