

Engr. Farrukh Alvi

Test Performed By: Dr. /Engr. Nauman Khurram

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

Client Reference: HRLE/SKG/2025/BatalaGold/14.885/197

SOM Lab Ref: 678 (P-2/2)

Dated: 30-01-2025

Dated: 30-01-2025

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: Def Bar (BatalaGold 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	2.962	22	21.91	387	377	184.20	255.20	476	489	659	677	32.5	200	16.3	
2	2.972	22	21.96	387	379	188.50	256.50	487	498	663	678	32.5	200	16.3	
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BEND TEST:

22mm	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

Rana Jahangir, RE

Test Performed By: Dr. /Engr. Nauman Khurram

NESPAK ADP WASA Lahore.(Rain Water MDA For Sore Point at Railway Station Park,Lahore)

Client Reference: NESPAK/WASA/ADP/UGWT/RE/0006

SOM Lab

Dated: 29-01-2025

Ref: 676 (Page-1/1)

Dated: 30-01-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	1.499	6	0.749	0.44	0.441	13.02	20.36	65250	65100	102040	101810	1.20	8.0	15.0	
2	1.483	6	0.745	0.44	0.436	12.86	20.13	64480	65080	100910	101840	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	5.96	9.19	65760	66760	101390	102940	1.20	8.0	15.0	
4	0.663	4	0.498	0.20	0.195	5.98	9.23	65990	67680	101730	104340	1.30	8.0	16.3	
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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

Sufyan Uppal, PE

Baig Constuction Co. Lahore.(Const. Of Jinnah Square Mall Raiwind Road Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ST/UET/28012024/0468

Dated: 28-01-2025

SOM Lab

Ref: 677 (Page-1/1)

Dated: 30-01-2025

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	2.545	8	0.976	0.79	0.748	21.53	32.69	60110	63480	91270	96390	1.50	8.0	18.8	
2	2.571	8	0.981	0.79	0.756	21.48	33.08	59960	62660	92350	96500	1.40	8.0	17.5	
3	1.485	6	0.745	0.44	0.436	13.02	19.11	65250	65850	95800	96680	1.30	8.0	16.3	
4	1.486	6	0.746	0.44	0.437	13.86	19.85	69490	69970	99480	100170	1.30	8.0	16.3	
5	0.620	4	0.481	0.20	0.182	5.88	7.77	64860	71280	85660	94130	1.00	8.0	12.5	
6	0.643	4	0.491	0.20	0.189	6.63	8.51	73070	77320	93860	99330	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

Muhammad Sulaman Basharat
Site Civil Engineer AAA Partnership Pvt. Ltd.(JDW Tower Lahore)

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

Client Reference: AAA/SO/MSB 112/2025
Dated: 30-01-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 679 (Page-1/1)
Dated: 30-01-2025
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	2.651	8	0.996	0.79	0.779	24.62	33.49	68730	69700	93490	94810	1.50	8.0	18.8	
2	2.649	8	0.995	0.79	0.778	24.64	33.59	68790	69850	93770	95220	1.60	8.0	20.0	
3	1.495	6	0.748	0.44	0.439	14.85	19.59	74450	74620	98210	98430	1.20	8.0	15.0	
4	1.524	6	0.755	0.44	0.448	14.55	19.78	72910	71610	99130	97360	1.40	8.0	17.5	
5	0.668	4	0.500	0.20	0.196	6.78	8.79	74750	76280	96900	98880	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	6.73	8.79	74190	75710	96900	98880	1.10	8.0	13.8	
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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.Ghulam Rasool

RE-Nespak Lahore.(Rehb/Improvement Of Streets, Sewerage/Drainage UC-243,Nishtar Zone,MCL)

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

SOM Lab

Client Reference: 4084/103/LDP/NZ/04/62

Dated: 03-01-2025

Test: Tension Test

Gauge Length: 8 inch

Ref: 680 (Page-1/1)

Dated: 30-01-2025

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	0.648	4	0.492	0.20	0.190	6.32	9.33	69700	73360	102860	108270	1.30	8.0	16.3	
2	0.655	4	0.494	0.20	0.192	6.29	9.38	69360	72250	103420	107730	1.10	8.0	13.8	
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BEND TEST:

# 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		

M.Yasir Kiani, RE
JCP Wahga NESPAK. (Expension Of Joint Check Post Wahga, Lahore)

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

Client Reference: 4749/031/YK/01/125

SOM Lab

Dated: 29-01-2025

Ref: 681 (Page-1/1)

Dated: 30-01-2025

Test: Tension 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	2.676	8	1.000	0.79	0.786	23.39	37.56	65310	65650	104870	105400	1.50	8.0	18.8	
2	2.674	8	1.000	0.79	0.786	23.16	37.51	64660	64990	104730	105260	1.40	8.0	17.5	
3	1.484	6	0.745	0.44	0.436	14.22	21.51	71280	71930	107810	108800	1.41	8.0	17.6	
4	1.490	6	0.747	0.44	0.438	13.22	21.00	66270	66580	105260	105740	1.30	8.0	16.3	
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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		

M. Jameel
40-C-III Gulberg III Lahore.

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

Client Reference: Nil
Dated: Nil

SOM Lab
Ref: 682 (Page-1/1)
Dated: 30-01-2025

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: MS 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	1.493	6	0.748	0.44	0.439	16.51	21.46	82780	82960	107560	107800	1.20	8.0	15.0	
2	1.494	6	0.748	0.44	0.439	13.86	19.29	69490	69650	96670	96890	1.10	8.0	13.8	
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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		

Rana Muhammad Haris,CME

RHC Pvt Ltd.(17 Centers of Excellences in Existing TEVTA & PVTC Institutes in Punjab Province)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 683 (Page-1/1)

Client Reference:

RHC/134-TEVTA-2404/RMH/01/12

Dated:

30-01-2025

Test:

Tension Test & Bend Test

Gauge Length:

8 inch

Test Specification:

ASTM-A-615

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	2.678	8	1.001	0.79	0.787	25.13	38.07	70150	70420	106290	106700	1.10	8.0	13.8	
2	2.675	8	1.000	0.79	0.786	24.82	37.72	69300	69650	105300	105830	1.40	8.0	17.5	
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BEND TEST:

# 8	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		

Rana Muhammad Haris,CME

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

RHC Pvt Ltd.(17 Centers of Excellences in Existing TEVTA & PVTC Institutes in Punjab Province)

Client Reference: RHC/134-TEVTA-2404/RMH/01/13

SOM Lab

Dated: 30-01-2025

Ref: 684 (Page-1/1)

Dated: 30-01-2025

ASTM-A-615

Test: Tension Test & Bend Test

Test Specification: Deformed Bar (Hunza Steel)

Gauge Length: 8 inch

Sample Type:

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	2.659	8	0.997	0.79	0.781	24.38	33.18	68070	68860	92630	93700	1.80	8.0	22.5	
2	2.652	8	0.996	0.79	0.779	24.59	33.30	68640	69610	92970	94290	1.60	8.0	20.0	
3	1.493	6	0.748	0.44	0.439	13.22	18.27	66270	66420	91560	91770	2.00	8.0	25.0	
4	1.492	6	0.747	0.44	0.438	13.22	18.30	66270	66580	91720	92140	1.60	8.0	20.0	
5	0.669	4	0.501	0.20	0.197	6.09	8.41	67110	68130	92740	94150	1.20	8.0	15.0	
6	0.738	4	0.526	0.20	0.217	6.44	8.66	71040	65480	95550	88060	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

Sub Divisional officer,HSD

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

Bhera.(Restn/Impro Of Rd From Miani Mian DA Banna Rd at Allahabad To Mian DA Bana Station)

Client Reference: 258/Bhera

SOM Lab

Dated: 14-12-2024

Ref: 685 (Page-1/1)

Dated: 30-01-2025

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	1.503	6	0.750	0.44	0.442	10.55	15.77	52890	52650	79050	78690	1.40	8.0	17.5	
2	1.504	6	0.750	0.44	0.442	10.50	15.60	52630	52390	78180	77820	1.50	8.0	18.8	
3	0.673	4	0.502	0.20	0.198	6.22	8.05	68570	69260	88800	89700	1.40	8.0	17.5	
4	0.673	4	0.502	0.20	0.198	5.93	7.67	65420	66090	84530	85390	1.30	8.0	16.3	
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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