

Incharge for MD SNGPL.(Const Of Office Building at Central Base Workshop at Manga, Lahore)

at Central Base Workshop at Manga, Lahore)

SOM Lab

Ref: 806 (Page-1/1)

Dated: 19-02-2025

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	2.631	8	0.992	0.79	0.773	26.27	34.61	73340	74950	96620	98740	1.60	8.0	20.0	
2	2.640	8	0.994	0.79	0.776	25.99	34.53	72570	73880	96390	98130	1.40	8.0	17.5	
3	1.484	6	0.745	0.44	0.436	15.09	19.95	75620	76320	99990	100910	1.40	8.0	17.5	
4	1.482	6	0.745	0.44	0.436	14.78	19.69	74090	74770	98720	99620	1.40	8.0	17.5	
5	0.655	4	0.494	0.20	0.192	6.09	8.10	67110	69910	89370	93090	1.20	8.0	15.0	
6	0.653	4	0.494	0.20	0.192	6.12	8.15	67450	70260	89930	93680	1.30	8.0	16.3	
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<u>BEND TEST:</u>															
--	No Bend test performed									Note:- Only Six 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
Public Health Engg: Sub Div Khushab.(Provision Of Sweet Water at Wildlife Park Jauharabad)

Client Reference: 26/LHB **SOM Lab**
Dated: 13-01-2025 **Ref:** 810 (Page-1/1)
Dated: 20-02-2025

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	0.613	4	0.479	0.20	0.180	4.35	6.39	48000	53330	70480	78310	1.20	8.0	15.0	
2	0.615	4	0.480	0.20	0.181	4.23	6.27	46650	51550	69130	76390	1.10	8.0	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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															

Muhammad Sleem, ME

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

Nespak ADP WASA Lhr.(R/Water Management-Drainage Arrangements-for Sore Point at KarimPark)

Client Reference: NESPAK/Wasa/ADP/UGWT/KP/ME/0001

Dated: 12-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 811 (Page-1/1)

Dated: 20-02-2025

ASTM-A-615

Test Specification:

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	1.486	6	0.746	0.44	0.437	14.48	20.13	72560	73060	100910	101610	1.30	8.0	16.3	
2	1.485	6	0.745	0.44	0.436	14.55	20.23	72910	73580	101420	102350	1.10	8.0	13.8	
3	0.653	4	0.494	0.20	0.192	6.95	9.45	76660	79860	104200	108550	1.00	8.0	12.5	
4	0.653	4	0.494	0.20	0.192	6.70	9.25	73850	76930	101960	106200	1.00	8.0	12.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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															

AE B&R GE (Air) Rafiqui.(Installation of 2MW Solar System at PAF Base Rafiqui)

Dr. /Engr. Asad Ali Gillani

SOM Lab

Ref: 812 (Page-1/1)

Test Specification:

Dated: 20-02-2025

Sample Type:

ASTM-A-615

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	10.91	16.67	54670	54920	83540	83920	1.40	8.0	17.5	
2	1.494	6	0.748	0.44	0.439	11.16	16.72	55950	56080	83800	83990	1.50	8.0	18.8	
3	1.037	5	0.623	0.31	0.305	8.48	12.39	60340	61330	88120	89560	1.40	8.0	17.5	
4	1.057	5	0.629	0.31	0.311	7.97	12.03	56710	56530	85580	85300	1.50	8.0	18.8	
5	0.656	4	0.496	0.20	0.193	5.27	8.15	58120	60230	89930	93190	1.40	8.0	17.5	
6	0.643	4	0.491	0.20	0.189	5.37	7.95	59240	62690	87680	92780	1.50	8.0	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 6	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Nine Samples Received and Tested				
# 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															

Adnan Nadeem

C.E.O Haider Planners & Builders Pvt Ltd.(AL-MANZOOR MALL)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Client Reference: Nil

Dated: 20-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 815 (Page-1/1)

Dated: 20-02-2025

ASTM-A-615

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	2.650	8	0.996	0.79	0.779	24.77	34.66	69160	70130	96760	98120	1.30	8.0	16.3	
2	2.649	8	0.995	0.79	0.778	26.71	35.65	74560	75710	99520	101050	1.30	8.0	16.3	
3	1.503	6	0.750	0.44	0.442	15.72	20.71	78790	78430	103830	103360	1.30	8.0	16.3	
4	1.495	6	0.748	0.44	0.439	15.01	20.13	75210	75390	100910	101140	1.20	8.0	15.0	
5	1.068	5	0.632	0.31	0.314	9.94	14.83	70710	69810	105520	104180	1.30	8.0	16.3	
6	1.038	5	0.623	0.31	0.305	9.79	14.78	69620	70760	105160	106880	1.30	8.0	16.3	
7	0.660	4	0.497	0.20	0.194	6.22	9.04	68570	70690	99710	102790	1.20	8.0	15.0	
8	0.653	4	0.494	0.20	0.192	6.03	8.87	66550	69320	97800	101870	1.20	8.0	15.0	
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<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.S Maqbool Hassan, RE

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

Nespak MCL Nishtar Zone, Lahore. (Rehb/Imp Of Streeys, Sewerage/Drainage UC-250 Theh Pannju)

Client Reference: 4084/103/LDP/NZ/04/184

Dated: 18-02-2025

SOM Lab

Ref: 816 (Page-1/1)

Dated: 20-02-2025

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	0.665	4	0.498	0.20	0.195	7.26	9.17	80040	82090	101170	103760	1.20	8.0	15.0	
2	0.669	4	0.501	0.20	0.197	6.80	8.87	74980	76120	97800	99290	1.00	8.0	12.5	
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<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															