

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/2024/Kamran/174-A/Re-Test

SOM Lab Ref:

192 (P-1/1)

Dated: 12-11-2024

Dated:

12-11-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

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	3.082	22	22.37	387	393	174.20	250.50	450	444	647	638	35.0	200	17.5	
2	2.984	22	22.00	387	380	186.50	262.50	482	491	678	691	25.0	200	12.5	
3	2.964	22	21.93	387	378	210.20	278.50	543	557	720	738	32.5	200	16.3	
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Witnessed By: M. Irfan (QC Engr/HRL), Zohaib Aslam(101 Group)

BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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

Syed Brothers Construction
Company

Construction Company 24CCA DHA Ph-5 Lahore Cantt.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: 1161-Tauheed Block

Dated: 11-11-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 190(Page-1/1)

Dated: 12-11-2024

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	1.447	6	0.736	0.44	0.425	14.53	20.05	72810	75380	100500	104050	1.20	8.0	15.0	
2	1.435	6	0.733	0.44	0.422	14.60	19.72	73170	76290	98870	103090	1.30	8.0	16.3	
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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

Material Engineer

Test Performed By: Dr. /Engr. Wasim Abbas

NESPAK,EPCM Consultants Swl. PICIIP (Wastewater Treatment Plant in North Zone Sahiwal)

Client Reference: 3976/11/MIA/SWL/WWTP/01/613

SOM Lab

Ref: 191 (Page-1/2)

Dated: 11-11-2024

Dated: 12-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	0.664	4	0.498	0.20	0.195	7.54	9.63	83180	85320	106230	108950	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	7.51	9.58	82850	84110	105670	107270	1.00	8.0	12.5	
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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

Material Engineer

Test Performed By: Dr. /Engr. Wasim Abbas

NESPAK,EPCM Consultants Swl. PICIIP (Wastewater Treatment Plant in North Zone Sahiwal)

Client Reference: 3976/11/MIA/SWL/WWTP/01/615

SOM Lab

Ref: 191 (Page-2/2)

Dated: 11-11-2024

Dated: 12-11-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	0.671	4	0.501	0.20	0.197	6.32	8.10	69700	70760	89370	90730	1.00	8.0	12.5	
2	0.671	4	0.501	0.20	0.197	6.39	8.15	70480	71560	89930	91300	1.00	8.0	12.5	
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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

Zahid Mughal
Amanah Noor Residence Wapda Town, Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Dated: 12/11/2024

Ref: 193 (Page-1/1)

Dated: 12-11-2024

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	1.464	6	0.740	0.44	0.430	15.46	18.40	77510	79320	92230	94370	1.20	8.0	15.0	/
2	1.456	6	0.738	0.44	0.428	15.06	18.30	75470	77590	91720	94290	1.20	8.0	15.0	/
3	1.476	6	0.743	0.44	0.434	15.44	18.37	77410	78480	92070	93350	1.10	8.0	13.8	/
4	0.663	4	0.498	0.20	0.195	6.68	8.36	73630	75520	92180	94540	1.20	8.0	15.0	A1
5	0.670	4	0.501	0.20	0.197	6.75	8.58	74420	75550	94650	96090	1.30	8.0	16.3	A2
6	0.684	4	0.506	0.20	0.201	6.80	8.58	74980	74610	94650	94180	1.10	8.0	13.8	A3
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Witnessed By: M.Arslan Khaleel

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two 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

Sub Divisional officer,

Test Performed By: Dr. /Engr. Wasim Abbas

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

Client Reference: 191/1-G

SOM Lab

Ref: 194 (Page-1/1)

Dated: 04-11-2024

Dated: 12-11-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	2.579	8	0.982	0.79	0.758	25.59	33.54	71430	74450	93630	97580	1.40	8.0	17.5	
2	2.580	8	0.982	0.79	0.758	25.86	33.76	72200	75250	94250	98230	1.10	8.0	13.8	
3	1.483	6	0.745	0.44	0.436	14.78	18.98	74090	74770	95140	96010	1.20	8.0	15.0	
4	1.488	6	0.746	0.44	0.437	14.90	19.37	74700	75220	97080	97750	1.10	8.0	13.8	
5	0.670	4	0.501	0.20	0.197	6.54	8.46	72170	73270	93300	94720	1.00	8.0	12.5	
6	0.671	4	0.501	0.20	0.197	6.73	8.51	74190	75320	93860	95290	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.Qamar U Zaman, RE

Test Performed By:

Dr. /Engr. Wasim Abbas

Development Consult. Svices.(Const Of Academic Block,Admin Block, Mosque and External Dev)

Client Reference: DCS/RE/UOS/2024/1106

SOM Lab

Ref: 195 (Page-1/1)

Dated: 06-11-2024

Dated: 12-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ak Supreme)

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	1.533	6	0.758	0.44	0.451	15.97	21.36	80070	78110	107040	104430	1.20	8.0	15.0	
2	1.523	6	0.755	0.44	0.448	15.75	21.15	78940	77530	106020	104130	1.10	8.0	13.8	
3	0.656	4	0.496	0.20	0.193	6.54	8.53	72170	74790	94090	97500	1.10	8.0	13.8	
4	0.653	4	0.494	0.20	0.192	6.19	8.31	68230	71080	91610	95430	1.20	8.0	15.0	
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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