

Engr. Zaheer Ud Din Babar

Test Performed By: Dr. /Engr. Wasim Abbas

Dy. General Manager (Works).HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

Client Reference: HRLE/SKG/2023/134/013

Dated: 05-10-2023

Test: Tension Test

Guage Length: 200 m

SOM Lab Ref:

Dated:

ASTM-A-615

MS Deformed Bar (Aziz Steel)

2966 (Page-1/1)

05-10-2023

Test Specification:

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	1.600	16	16.12	201	204	88.70	142.20	441	435	707	698	27.5	200	13.8	
2	1.645	16	16.33	201	210	89.20	148.00	444	426	736	707	35.0	200	17.5	
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Witnessed By: M.Akram (101 Group), M.Irfan (QC Eng, HRL)

BEND TEST:

16mm	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. Asif Javed
PM ESAC (Project: Grand Central Mall, Faisalabad)

Test Performed By: Dr. /Engr. Yousaf

Client Reference: ESAC/TGC/GCMF/039

SOM Lab

Ref: 2965 (Page-1/1)

Dated: 04-10-2023

Dated: 05-10-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-706

Gauge Length: 8 h

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	1.425	6	0.730	0.44	0.419	10.93	16.41	54780	57520	82260	86390	1.50	8.0	18.8	
2	1.417	6	0.728	0.44	0.416	10.67	16.18	53500	56590	81090	85770	1.60	8.0	20.0	
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Witnessed By: Muhammad Asif

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

Best Builders

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Lahore.(New TCF Primary School, Building in Chinacovindi Lahore)

SOM Lab

Client Reference: Nil

Ref: 2967 (Page-1/1)

Dated: 02-10-2023

Dated: 05-10-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.670	8	1.000	0.79	0.785	25.56	34.51	71350	71800	96330	96940	1.40	8.00	17.5	
2	1.481	6	0.744	0.44	0.435	14.60	19.08	73170	74010	95650	96750	1.30	8.00	16.3	
3	0.674	4	0.502	0.20	0.198	6.03	9.40	66550	67220	103640	104690	1.20	8.00	15.0	
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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	
# 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

Riaz Costruction Company
Lahore.(New TCF Secondary School, Building in Noorpur Virkan Shakhopura)

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

Client Reference: Nil

SOM Lab

Ref: 2968 (Page-1/1)

Dated: 02-10-2023

Dated: 05-10-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 h

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	2.675	8	1.000	0.79	0.786	25.15	34.27	70210	70570	95680	96160	1.40	8.0	17.5	
2	1.475	6	0.743	0.44	0.433	14.78	19.13	74090	75290	95910	97460	1.40	8.0	17.5	
3	0.671	4	0.501	0.20	0.197	5.98	9.35	65990	66990	103080	104650	1.20	8.0	15.0	
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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	
# 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

Haji Ismail
 Technical Head Khatam-UI-Anbiya Mosque Gujrat.

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

Client Reference: ATL/UET/10/23-24

SOM Lab

Ref: 2969 (Page-1/1)

Dated: 05-10-2023

Dated: 05-10-2023

Test: Tension Test & Bend Test
 inc

Test Specification:

ASTM-A-706

Gauge Length: 8 h

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	0.669	4	0.501	0.20	0.197	6.54	8.05	72170	73270	88800	90160	1.30	8.0	16.3	
2	0.662	4	0.498	0.20	0.195	6.52	8.12	71940	73790	89590	91890	1.20	8.0	15.0	
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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

Engr Shahzad Khurram Khan

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

CRE Osmani & Compny.AIIC,Fsd.(Const Of Sewer & W/Supply Networks at Main Arterial Chiniot)

Client Reference: CRE/AIIC-06/Lab/543

SOM Lab

Ref: 2970 (Page-1/2)

Dated: 04-10-2023

Dated: 05-10-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.022	5	0.618	0.31	0.300	10.62	13.48	75570	78090	95880	99070	1.40	8.00	17.5	*
2	1.030	5	0.621	0.31	0.303	9.02	11.90	64180	65670	84630	86590	1.50	8.00	18.8	
3	0.676	4	0.503	0.20	0.199	5.50	8.18	60700	61010	90150	90610	1.20	8.00	15.0	*
4	0.655	4	0.494	0.20	0.192	5.68	8.48	62610	65220	93530	97420	1.30	8.00	16.3	
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BEND TEST:

# 5	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

Habibullah Bhutto

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

TL/PM BWRDSP Consultants.(Balochistan Water Resources Development Sector Project)

Client Reference: 4078/061/HAB/01/NCB-06/1397

SOM Lab

Ref: 2971 (Page-1/1)

Dated: 18-09-2023

Dated: 05-10-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-706

Gauge Length: 8 h

Sample Type:

Deformed Bar (Moiz 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	2.660	8	0.998	0.79	0.782	24.79	35.04	69210	69920	97810	98810	1.50	8.0	18.8	
2	2.659	8	0.997	0.79	0.781	24.79	35.14	69210	70010	98100	99230	1.60	8.0	20.0	
3	1.529	6	0.756	0.44	0.449	13.07	19.18	65510	64190	96160	94230	1.50	8.0	18.8	
4	1.526	6	0.755	0.44	0.448	13.12	19.18	65760	64590	96160	94440	1.50	8.0	18.8	
5	0.666	4	0.500	0.20	0.196	6.07	8.69	66890	68250	95770	97730	1.30	8.0	16.3	
6	0.667	4	0.500	0.20	0.196	6.14	8.61	67670	69050	94990	96930	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

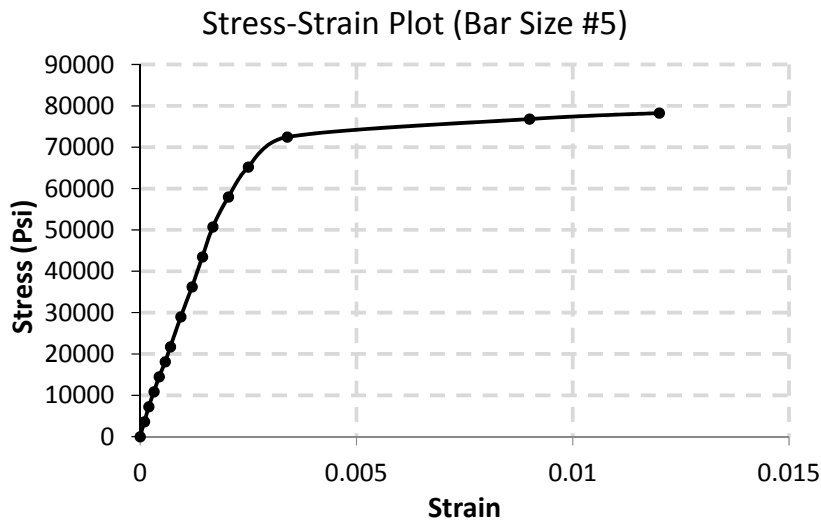
Test Performed by: Dr. S. Asad Ali Gillani

Engr Shahzad Khurram Khan,
CRE Osmani & Compny.AIIC,Fsd.(Construction Of Sewer & W/Supply Networks at Main Arterial
Chiniot Sahianwala)

Client Reference No. CRE/AIIC-06/Lab/543
SOM Lab Ref: CED/SOM/2970 (Page – 2/2)
Sample # 1*

Dated: 04-10-2023
Dated: 05-10-2023

Graph



Sample # 2*

