

Ahmad Hussain

Test Performed By:

Dr. /Engr.

Nauman Khurram

Assistant Manager Coordination, IZHAR Construction (Pvt) Ltd. ahore

Client Reference: ICPL/CONST-HNMPL/21/061

Dated: 04-05-2021

SOM Lab Ref: CED/SOM/4298(Page-1/1)

Dated: 04-05-2021

Test: Tension Test & bend Test

Test Specification:

ASTM-A 615

Sample Type:

Deformed Bar

Gauge Length:

200 mm

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	0.920	12	12.21	113	117	73.00	86.00	645	624	760	736	30.0	200	15.0	
2	0.905	12	12.12	113	115	61.00	75.70	539	530	669	657	25.0	200	12.5	
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BEND TEST:

12mm	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

Ahmad Hussain

Test Performed By:

Dr. /Engr.

Nauman Khurram

Assistant Manager Coordination, IZHAR Construction (Pvt) Ltd. ahore

Client Reference: ICPL/CONST-HNMPL/21/060

Dated: 04-05-2021

SOM Lab Ref: CED/SOM/4299(Page-1/1)

Dated: 04-05-2021

Test: Tension Test & bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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	2.450	20	19.93	314	312	168.00	213.20	535	539	679	684	32.5	200	16.3	
2	2.463	20	19.99	314	314	170.00	208.00	541	542	662	663	27.5	200	13.8	
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BEND TEST:

20mm	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

Ahmad Hussain

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Assistant Manager Coordination, IZHAR Construction (Pvt) Ltd. ahore

Client Reference: ICPL/CONST-HNMPL/21/063

Dated: 04-05-2021

SOM Lab Ref: CED/SOM/4300(Page-1/1)

Dated: 04-05-2021

Test: Tension Test & bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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	1.566	16	15.96	201	200	113.70	140.00	565	569	696	700	25.0	200	12.5	
2	1.555	16	15.88	201	198	110.00	137.50	547	556	684	694	30.0	200	15.0	
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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

Iqra Mustafa
Style Textile (Pvt) Ltd. Lahore

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

Client Reference: 1903/05/2021

Dated: 04-05-2021

SOM Lab Ref: CED/SOM/4302(Page-1/1)

Dated: 04-05-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

Gauge Length: 200 mm

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	3.842	25	24.95	491	489	218.70	309.20	446	448	630	633	30.0	200	15.0	
2	3.875	25	25.07	491	494	215.70	308.20	439	437	628	625	35.0	200	17.5	
3	2.130	20	18.59	314	271	133.00	171.70	423	491	547	633	22.5	200	11.3	
4	2.143	20	18.64	314	273	132.50	171.50	422	486	546	629	35.0	200	17.5	
5	1.514	16	15.67	201	193	92.00	116.70	458	478	580	606	30.0	200	15.0	
6	1.518	16	15.69	201	193	93.00	118.00	463	482	587	611	30.0	200	15.0	
7	0.885	12	11.98	113	113	59.50	74.50	526	528	659	661	20.0	200	10.0	
8	0.892	12	12.03	113	114	60.50	75.20	535	533	665	662	22.5	200	11.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Sub Divisional Officer
R/O Drainage Sub Division, Sheikhpura

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

Client Reference: 258-12-W

SOM Lab 4290 (Page-

Ref: 1/1)

Dated: 27-04-2021

Dated: 04-05-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(AF 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	2.628	8	0.991	0.79	0.772	24.46	34.32	68300	69890	95820	98050	1.60	8.0	20.0	
2	2.626	8	0.991	0.79	0.772	23.31	33.15	65090	66600	92550	94700	1.50	8.0	18.8	
3	1.559	6	0.764	0.44	0.458	14.14	19.01	70870	68090	95290	91550	1.40	8.0	17.5	
4	1.511	6	0.752	0.44	0.444	14.14	19.03	70870	70230	95400	94540	1.30	8.0	16.3	
5	1.065	5	0.631	0.31	0.313	10.04	13.56	71440	70750	96460	95530	1.30	8.0	16.3	
6	1.064	5	0.631	0.31	0.313	10.27	13.56	73030	72330	96460	95530	1.20	8.0	15.0	
7	0.668	4	0.500	0.20	0.196	6.57	8.94	72510	73990	98580	100600	1.00	8.0	12.5	
8	0.665	4	0.498	0.20	0.195	6.54	8.89	72170	74020	98020	100530	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 8	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

Furqan - UI-Haq
General Manager, AYQ Developers Pvt. Ltd. Lahore

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

Client Reference: Nil

SOM Lab 4291(Page-

Ref: 1/1)

Dated: 29-04-2021

Dated: 04-05-2021

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	2.777	8	1.019	0.79	0.816	30.02	38.12	83810	81140	106430	103040	1.30	8.0	16.3	
2	2.661	8	0.998	0.79	0.782	28.13	35.65	78550	79350	99520	100540	1.40	8.0	17.5	
3	2.689	8	1.003	0.79	0.790	26.27	34.30	73340	73340	95760	95760	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested

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

Ahmad Brother Steel Traders
Lahore

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

Client Reference: nil

SOM Lab 4292(Page-

Ref: 1/1)

Dated: 04-05-2021

Dated: 04-05-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(Akbar 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	0.519	4	0.441	0.20	0.153	4.79	7.49	52840	69060	82620	108000	1.00	8.0	12.5	
2	0.520	4	0.441	0.20	0.153	4.74	7.44	52270	68330	82060	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

Syed Mohsin Ali

Resident Engineer, QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Client Reference: QA/QC-Steel-2337

Dated: 03-05-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

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1/1)

04-05-2021

ASTM-A-615

Deformed Bar(Mughal 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	0.663	4	0.498	0.20	0.195	7.80	9.48	85990	88200	104540	107220	1.40	8.0	17.5	
2	0.663	4	0.498	0.20	0.195	7.77	9.45	85660	87850	104200	106880	1.30	8.0	16.3	
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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. Muddasir Tahir
Construction Manager, Zameen Aurum, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ZD/ZA/STR009

SOM Lab 4294(Page-

Ref: 1/1)

Dated: 04-05-2021

Dated: 04-05-2021

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	0.655	4	0.494	0.20	0.192	6.44	8.61	71040	74000	94990	98940	1.50	8.0	18.8	
2	0.664	4	0.498	0.20	0.195	6.22	8.46	68570	70330	93300	95690	1.50	8.0	18.8	
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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

Junaid Rahim (CM)
 Froebel's International Schools (Pvt) Ltd.

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

Client Reference: nil

SOM Lab 4295(Page-

Ref: 1/1)

Dated: 0405-2021

Dated: 04-05-2021

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	1.448	6	0.736	0.44	0.426	13.20	18.60	66170	68340	93250	96310	1.00	8.0	12.5	
2	1.436	6	0.733	0.44	0.422	13.56	19.03	67960	70860	95400	99460	1.00	8.0	12.5	
3	0.645	4	0.492	0.20	0.190	6.32	8.74	69700	73360	96340	101410	1.10	8.0	13.8	
4	0.643	4	0.491	0.20	0.189	6.27	8.69	69130	73160	95770	101350	1.00	8.0	12.5	
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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

Saeedullah Jan

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Resident Engineer, NESPAK Office, 3rd Floor Karachi Hotel, Chitta Morh, Murree.

Client Reference: REF/4149/40/148

SOM Lab

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Ref:

1/1)

Dated: 04-05-2021

Dated:

04-05-2021

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	2.680	8	1.002	0.79	0.788	32.52	38.71	90780	91010	108060	108330	1.20	8.0	15.0	
2	2.684	8	1.002	0.79	0.789	32.47	38.74	90640	90750	108140	108280	1.20	8.0	15.0	
3	1.549	6	0.761	0.44	0.455	16.46	20.49	82520	79800	102700	99320	1.20	8.0	15.0	
4	1.553	6	0.762	0.44	0.456	17.64	21.41	88400	85290	107300	103540	1.10	8.0	13.8	
5	0.663	4	0.498	0.20	0.195	6.95	8.61	76660	78630	94990	97420	1.00	8.0	12.5	
6	0.660	4	0.497	0.20	0.194	6.90	8.72	76100	78460	96110	99080	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. Ahsan Manzur
 Manager Project, Design Matrix, DHA, Lahore

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

Client Reference: nil

SOM Lab 4297(Page-

Ref: 1/1)

Dated: 04-05-2021

Dated: 04-05-2021

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	2.703	8	1.005	0.79	0.794	29.71	35.07	82960	82540	97900	97400	1.50	8.0	18.8	
2	2.683	8	1.002	0.79	0.788	29.56	35.02	82530	82740	97750	98000	1.50	8.0	18.8	
3	1.498	6	0.748	0.44	0.440	15.06	19.42	75470	75470	97340	97340	1.30	8.0	16.3	
4	1.502	6	0.749	0.44	0.441	15.17	19.32	76030	75860	96830	96610	1.50	8.0	18.8	
5	0.634	4	0.487	0.20	0.186	6.09	7.85	67110	72160	86560	93070	1.30	8.0	16.3	
6	0.634	4	0.487	0.20	0.186	6.17	7.87	68010	73130	86780	93310	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Khalid Mahmood

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Assistant Engineer/ Workssshops, Pakistan Railway Moghalpura Lahore

Client Reference: WS/W/27 (2020-2021)

SOM Lab

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Ref:

1/1)

Dated: 28-04-2021

Dated:

04-05-2021

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	0.663	4	0.498	0.20	0.195	6.42	8.87	70820	72640	97800	100300	1.10	8.0	13.8	
2	0.657	4	0.496	0.20	0.193	6.32	8.87	69700	72220	97800	101340	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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