

Mian Zafar Iqbal

Test Performed By: Dr. /Engr. Burhan Shrif

Project Manager, Guarantee Engr.(Pvt)Ltd (Beaconhouse School System TNS 2 Gulberg-III Lahore)

Client Reference: TNS/GE/ST/003

Dated: 20-12-2021

SOM Lab Ref: CED/SOM/5506(Page-1/2)

Dated: 21-12-2021

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	2.218	20	18.98	314	283	127.20	178.50	405	450	568	631	37.5	200	18.8	
2	2.237	20	19.05	314	285	137.00	196.70	436	481	626	691	32.5	200	16.3	
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Witnessed By: Tanveer Ahmad (Site Engr.)(33105-3442117-1)

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

Mian Zafar Iqbal

Test Performed By: Dr. /Engr. Burhan Shrif

Project Manager, Guarantee Engr.(Pvt)Ltd (Beaconhouse School System TNS 2 Gulberg-III Lahore)

Client Reference: TNS/GE/ST/003

Dated: 21-12-2021

SOM Lab Ref: CED/SOM/5506(Page-2/2)

Dated: 21-12-2021

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	2.149	20	18.68	314	274	124.20	172.70	395	454	550	631	35.0	200	17.5	
2	2.200	20	18.89	314	280	125.30	184.50	399	448	587	659	37.5	200	18.8	
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Witnessed By: Tanveer Ahmad (Site Engr.)(33105-3442117-1)

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

Malik Sohaib,

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Lab Incharge TEC, (Project: Const. of 1263MW Punjab Thermal Power Plant, Jhang)

Client Reference: TEC/UET/21122005

Dated: 21-12-2021

SOM Lab Ref: CED/SOM/5503(Page-1/1)

Dated: 21-12-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Ittehad Steel)

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	3.982	25	25.41	491	507	278.70	356.00	568	550	725	703	27.5	200	13.8	H # 148
2	3.982	25	25.41	491	507	275.70	350.20	562	544	713	691	27.5	200	13.8	H # 148
3	1.558	16	15.90	201	198	102.20	126.00	508	516	627	636	27.5	200	13.8	H # 126
4	1.569	16	15.95	201	200	116.20	144.70	578	582	720	725	30.0	200	15.0	H # 126
5	0.882	12	11.96	113	112	51.20	75.20	453	456	665	669	32.5	200	16.3	H # 189
6	0.886	12	11.99	113	113	51.70	75.00	457	459	663	665	32.5	200	16.3	H # 189
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Witnessed By: M Imtiaz (Procurement Engineer)

BEND TEST:

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

Habib Ur Rehman Qaiser Lt.Col.(R)
 PD GCC,Lahore.(Overseas Construction Co. (Pvt.) Ltd.)

Test Performed By: Dr. /Engr. Irfan UI Hasan

Client Reference: Nil
SOM Lab Ref: CED/SOM/5508(Page-1/1)

Dated: 21-12-2021
Dated: 21-12-2021

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	3.809	25	24.85	491	485	268.00	344.50	546	553	702	711	30.0	200	15.0	
2	4.033	25	25.58	491	514	288.00	362.50	587	561	738	706	27.5	200	13.8	
3	2.160	19	18.72	284	275	159.70	199.70	563	581	704	726	25.0	200	12.5	
4	2.185	19	18.82	284	278	169.50	210.20	598	610	741	756	25.0	200	12.5	
5	0.974	12	12.57	113	124	74.00	90.20	654	597	798	728	22.5	200	11.3	
6	0.980	12	12.61	113	125	65.70	82.20	581	527	727	659	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
19mm	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

Khalid Bashir

Test Performed By:

Dr. /Engr.

Irfan UI Hasan

Ittfaq Building Solution (Pvt.)Ltd.(Reliance Cotton Spinning Mills Ltd(Power House Ext.Ferozwatwan))

Client Reference: IBS/RPH/01

Dated: 21-12-2021

SOM Lab Ref: CED/SOM/5516(Page-1/1)

Dated: 21-12-2021

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	3.802	25	24.82	491	484	260.00	341.70	530	538	696	706	32.5	200	16.3	
2	3.807	25	24.85	491	485	264.70	344.20	539	546	701	710	37.5	200	18.8	
3	2.234	20	19.04	314	285	158.00	199.20	503	556	634	700	30.0	200	15.0	
4	2.220	20	18.97	314	283	157.00	197.00	500	556	627	697	27.5	200	13.8	
5	1.579	16	16.00	201	201	106.00	143.00	527	528	711	712	35.0	200	17.5	
6	1.587	16	16.04	201	202	107.00	143.20	532	530	712	709	30.0	200	15.0	
7	0.864	12	11.84	113	110	66.70	86.50	590	606	765	786	25.0	200	12.5	
8	0.869	12	11.87	113	111	66.70	86.20	590	603	762	779	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

Munir Raza
Riz Builders.(Monoo Squash Court, Aitchison College Lahore.)

Test Performed By: Dr. /Engr. Irfan UI Hasan

Client Reference: Nil

SOM Lab

Ref: 5504(Page-1/1)

Dated: 21-12-2021

Dated: 21-12-2021

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	2.650	8	0.996	0.79	0.779	25.89	37.58	72290	73310	104930	106410	1.20	8.0	15.0	
2	1.433	6	0.732	0.44	0.421	12.46	18.32	62440	65260	91820	95960	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	6.52	9.04	71940	74940	99710	103860	1.00	8.0	12.5	
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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

Engr. Faizan Hussain

Test Performed By:

Dr. /Engr. Irfan UI Hasan

AE B& W Department.UET Lahore.(Const. Site Of Girls Hostel UET Lahore)

Client Reference: B&W/AEN/3025

SOM Lab

Ref: 5505(Page-1/1)

Dated: 20-12-2021

Dated: 21-12-2021

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	1.483	6	0.745	0.44	0.436	13.22	18.45	66270	66880	92480	93330	1.20	8.0	15.0	
2	1.498	6	0.748	0.44	0.440	13.20	18.65	66170	66170	93510	93510	1.40	8.0	17.5	
3	0.590	4	0.469	0.20	0.173	6.60	8.10	72730	84080	89370	103310	1.10	8.0	13.8	
4	0.615	4	0.480	0.20	0.181	5.93	7.49	65420	72290	82620	91290	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

Engr. Hasan Nawaz

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

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/005

SOM Lab

Ref: 5507(Page-1/1)

Dated: 21-12-2021

Dated: 21-12-2021

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	2.646	8	0.995	0.79	0.778	25.05	32.69	69920	71000	91270	92670	1.50	8.0	18.8	
2	2.653	8	0.997	0.79	0.780	26.78	36.77	74760	75720	102650	103960	1.30	8.0	16.3	
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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

Engr. Hassan Mehmood

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

RE G3 Engg Consultants(Const.of Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/014

SOM Lab

Ref: 5509(Page-1/2)

Dated: 20-12-2021

Dated: 21-12-2021

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	2.656	8	0.997	0.79	0.781	22.12	34.37	61760	62470	95960	97070	1.10	8.0	13.8	
2	2.692	8	1.004	0.79	0.791	19.88	29.23	55500	55430	81590	81490	1.90	8.0	23.8	
3	2.690	8	1.004	0.79	0.791	20.08	29.43	56060	55990	82160	82060	1.70	8.0	21.3	
4	1.493	6	0.748	0.44	0.439	13.56	19.03	67960	68110	95400	95610	1.20	8.0	15.0	
5	1.502	6	0.749	0.44	0.441	14.55	19.54	72910	72750	97950	97730	1.50	8.0	18.8	
6	1.486	6	0.746	0.44	0.437	13.76	18.93	68980	69450	94880	95540	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight 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

Engr. Hassan Mehmood

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

RE G3 Engg Consultants(Const.of Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/013

SOM Lab

Ref: 5509(Page-2/2)

Dated: 20-12-2021

Dated: 21-12-2021

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	0.657	4	0.496	0.20	0.193	8.02	10.06	88470	91680	110950	114970	0.90	8.0	11.3	
2	0.646	4	0.492	0.20	0.190	7.80	9.55	85990	90520	105330	110870	0.90	8.0	11.3	
3	0.646	4	0.492	0.20	0.190	7.36	9.60	81160	85430	105890	111460	0.90	8.0	11.3	
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BEND TEST:

# 4	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

Yasir Ahmad
GM-Works FF Steel Lahore.

Test Performed By: Dr. /Engr. Irfan UI Hasan

Client Reference: Nil

SOM Lab

Ref: 5511(Page-1/1)

Dated: 13-12-2021

Dated: 21-12-2021

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	1.492	6	0.747	0.44	0.438	16.11	20.41	80730	81100	102290	102760	1.00	8.0	12.5	
2	1.502	6	0.749	0.44	0.441	16.21	20.74	81240	81060	103980	103740	1.20	8.0	15.0	
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BEND TEST:

--	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

Sub Divisional Officer,

Test Performed By: Dr. /Engr. Irfan UI hasan

Highway Sub Div.Gojra.(Dualization of Faisalabad-Jhang Rd Bridge work Distt. Toba Tek Singh)

Client Reference: 51/G

SOM Lab

Ref: 5512(Page-1/1)

Dated: 11-11-2021

Dated: 21-12-2021

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	0.648	4	0.492	0.20	0.190	5.91	8.48	65200	68630	93530	98450	1.00	8.0	12.5	
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BEND TEST:

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

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

Khurram Iqbal
Lahore.

Test Performed By: Dr. /Engr. Irfan UI Hasan

Client Reference: Nil

SOM Lab

Ref: 5513(Page-1/1)

Dated: 21-12-2021

Dated: 21-12-2021

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	0.670	4	0.501	0.20	0.197	7.24	8.94	79810	81030	98580	100080	1.00	8.0	12.5	
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BEND TEST:

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

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

Muhammad Hammad Javed

Test Performed By: Dr. /Engr. Irfan Ul Hasan

Ans Associates,Lahore.(Const. of National Foods Galaxy Project at FIEDMC,Sahianwala,Faisalabad)

Client Reference: ANS/LHR/P-001/3

SOM Lab

Ref: 5514(Page-1/1)

Dated: 21-12-2021

Dated: 21-12-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Amreli 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	2.690	8	1.004	0.79	0.791	29.66	35.85	82810	82710	100090	99960	1.50	8.0	18.8	
2	2.707	8	1.007	0.79	0.796	29.87	36.14	83380	82760	100880	100120	1.20	8.0	15.0	
3	1.503	6	0.750	0.44	0.442	17.48	21.05	87630	87230	105510	105030	1.50	8.0	18.8	
4	1.504	6	0.750	0.44	0.442	16.82	21.76	84310	83930	109090	108590	1.30	8.0	16.3	
5	0.675	4	0.502	0.20	0.198	7.72	9.09	85100	85950	100270	101280	1.10	8.0	13.8	
6	0.660	4	0.497	0.20	0.194	7.21	8.61	79470	81930	94990	97920	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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0159
Dated: 21-12-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5515(Page-1/1)
Dated: 21-12-2021
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	0.665	4	0.498	0.20	0.195	6.93	8.84	76440	78400	97460	99960	1.20	8.0	15.0	
2	0.668	4	0.500	0.20	0.196	6.70	8.41	73850	75360	92740	94630	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	6.32	8.10	69700	71480	89370	91660	1.30	8.0	16.3	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hasnain Khan,(Kingcrete Builders)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Barkallah Tahir
RE Sitara Heights.(Sitara Icon Tower Faislabad)

Test Performed By: Dr. /Engr. Irfan UI Hasan

Client Reference: Nil

SOM Lab

Ref: 5517(Page-1/1)

Dated: 21-12-2021

Dated: 21-12-2021

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	1.513	6	0.753	0.44	0.445	15.92	19.90	79810	78920	99740	98620	1.00	8.0	12.5	
2	1.514	6	0.753	0.44	0.445	15.14	19.18	75880	75030	96160	95080	1.20	8.0	15.0	
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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

Test Performed by: Dr.S. Asad Ali Gillani

Malik Sohaib,
Laboratory Incharge.
Transtech Engineering Company,Haveli Bahadur Shah, Jhang.
(Project: Const. of 1263MW Punjab Thermal Power Plant,Jhang)

Client Reference No.: TEC/UET/21122001

Dated: 21-12-2021

SOM Lab Ref: 5503 (Page 1/4)

Dated: 21-12-2021

Test: Tensile Test

Sample Type: M.S Deformed Steel bar (Ittehad Steel S.S Welded)

Tension Test Results

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Remarks	Heat No.
	(mm)	(mm ²)	KN	(Mpa)		
1	25	491	341.70	696	Sample Breaks	151
2	25	491	339.00	691	Sample Breaks	151
3	25	491	343.00	699	Sample Breaks	151
4	12	113	75.00	663	Sample Breaks	188
5	12	113	76.20	674	Sample Breaks	188
6	12	113	74.20	656	Sample Breaks	188

Witness By: M Imtiaz (Procurement Engineer)

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

Test Performed by: Dr.S. Asad Ali Gillani

Malik Sohaib,
Laboratory Incharge.
Transtech Engineering Company,Haveli Bahadur Shah, Jhang.
(Project: Const. of 1263MW Punjab Thermal Power Plant,Jhang)

Client Reference No.: TEC/UET/21122002

Dated: 21-12-2021

SOM Lab Ref: 5503 (Page 2/4)

Dated: 21-12-2021

Test: Tensile Test

Sample Type: M.S Deformed Steel bar (Ittefaq Steel S.S Welded)

Tension Test Results

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Remarks	Heat No.
	(mm)	(mm ²)	KN	(Mpa)		
1	20	314	222.50	708	Sample Breaks	725
2	20	314	211.70	674	Sample Breaks	725
3	20	314	220.70	703	Sample Breaks	725

Witness By: M Imtiaz (Procurement Engineer)

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

Test Performed by: Dr.S. Asad Ali Gillani

Malik Sohaib,
Laboratory Incharge.
Transtech Engineering Company,Haveli Bahadur Shah, Jhang.
(Project: Const. of 1263MW Punjab Thermal Power Plant,Jhang)

Client Reference No.: TEC/UET/21122003

Dated: 21-12-2021

SOM Lab Ref: 5503 (Page 3/4)

Dated: 21-12-2021

Test: Tensile Test

Sample Type: M.S Deformed Steel bar (Ittefaq Steel S.S Welded)

Tension Test Results

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Remarks	Heat No.
	(mm)	(mm ²)	KN	(Mpa)		
1	20	314	171.70	547	Sample Breaks	3360
2	20	314	176.70	562	Sample Breaks	3360
3	20	314	203.20	647	Sample Breaks	3360

Witness By: M Imtiaz (Procurement Engineer)

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

Test Performed by: Dr.S. Asad Ali Gillani

Malik Sohaib,
Laboratory Incharge.
Transtech Engineering Company,Haveli Bahadur Shah, Jhang.
(Project: Const. of 1263MW Punjab Thermal Power Plant,Jhang)

Client Reference No.: TEC/UET/21122004

Dated: 21-12-2021

SOM Lab Ref: 5503 (Page 4/4)

Dated: 21-12-2021

Test: Tensile Test

Sample Type: M.S Deformed Steel bar (Ittehad Steel S.S Welded)

Tension Test Results

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Remarks	Heat No.
	(mm)	(mm ²)	KN	(Mpa)		
1	25	491	296.50	604	Sample Breaks	150
2	25	491	267.70	545	Sample Breaks	150
3	25	491	285.50	582	Sample Breaks	150

Witness By: M Imtiaz (Procurement Engineer)

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

Test Performed by: .S. Asad Ali Gillani

M/S KoldKraft Refrigeration (Pvt.)Ltd.
Kot Lakhpat,Lahore.

Client Reference No.: Nil

Dated: 17-12-2021

SOM Lab Ref: CED/SOM/5510 (Page 1/1)

Dated: 21-12-2021

Test Type: Load Test

Sample Type: Turn Buckles D-Shakle With Chain

Load Test Results

Sample No.	Sample Type	Ultimate Load (KN)	Remarks
1	Turn Buckles D-Shakle With Chain	60.0	Hook Failure
2	Turn Buckles D-Shakle With Chain	47.5	Hook Failure

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