

Innovative Construction Company,
Intiaz Super Market, Sialkot

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/1678 (Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 04-11-2019
Dated: 04-11-2019
Test Specification: ASTM-A 615
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	3.840	25	24.95	491	489	254.00	321.00	517	520	654	657	35.0	200	17.5	
2	3.825	25	24.91	491	487	253.00	322.50	515	520	657	662	35.0	200	17.5	
3	2.472	20	20.02	314	315	169.50	212.70	540	539	677	676	30.0	200	15.0	
4	2.473	20	20.03	314	315	169.50	211.50	540	539	673	672	30.0	200	15.0	
5	1.613	16	16.18	201	206	108.70	144.20	541	529	717	702	30.0	200	15.0	
6	1.561	16	15.91	201	199	99.70	122.20	496	502	608	615	30.0	200	15.0	
7	0.890	12	12.02	113	113	63.20	77.70	559	558	687	686	27.5	200	13.8	
8	0.873	12	11.90	113	111	62.20	76.50	550	560	676	688	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Mustafa Ali
 Manager Coordination, IZHAR Construction (Pvt) Ltd. Lahore

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

Client Reference: ICPL/CONST- HNMPL/19/112

Dated: 02-11-2019

SOM Lab Ref: CED/SOM/1680(Page-1/1)

Dated: 04-11-2019

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	0.898	12	12.05	113	114	65.20	81.20	576	572	718	713	22.5	200	11.3	
2	0.898	12	12.07	113	114	64.70	80.70	572	566	714	706	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Nasir Mahmood

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Resident Engineer, Project Management Department, Al-Imam Enterprises (Pvt) Ltd Lahore

Client Reference: Al-Imam/746/PS-1/DHA/LHE/985

Dated: 31-10-2019

SOM Lab Ref: CED/SOM/1682(Page-1/1)

Dated: 04-11-2019

Test: Tension and Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Steel Bar(Kamran 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	3.891	25	25.13	491	496	249.20	328.70	508	503	670	663	35.0	200	17.5	
2	3.898	25	25.15	491	497	248.20	325.50	506	500	663	656	32.5	200	16.3	
3	2.279	20	19.23	314	290	133.50	196.70	425	460	626	678	37.5	200	18.8	
4	2.262	20	19.16	314	288	136.50	198.70	434	474	632	690	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

Innovative Construction Company,
Imtiaz Super Market, Sialkot

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 04-11-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1678(Page-1/1)

Dated: 04-11-2019

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	2.605	8	0.988	0.79	0.766	25.89	34.66	72290	74550	96760	99790	1.30	8.0	16.3	
2	1.476	6	0.743	0.44	0.434	20.90	23.14	104750	106190	115990	117590	0.70	8.0	8.8	
3	1.043	5	0.625	0.31	0.307	12.13	14.93	86300	87150	106250	107280	1.10	8.0	13.8	
4	0.660	4	0.497	0.20	0.194	6.88	9.17	75880	78220	101170	104300	1.10	8.0	13.8	
5	0.665	4	0.498	0.20	0.195	6.01	9.43	66320	68020	103980	106650	1.20	8.0	15.0	
6	0.661	4	0.497	0.20	0.194	6.01	9.45	66320	68370	104200	107430	1.20	8.0	15.0	
7	0.581	4	0.467	0.20	0.171	6.39	8.18	70480	82430	90150	105440	1.10	8.0	13.8	
8	0.593	4	0.471	0.20	0.174	6.52	8.26	71940	82690	91050	104660	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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