

Resident Engineer/Team Leader

Test Performed By:

Dr. /Engr.

M Irfan UI Hassan

Prime Engineering Consultancy, Kallurkot Bidge Project

Client Reference: KK-DIK-BR-PJ/2021/264

Dated: 09-01-2021

SOM Lab Ref: CED/SOM/3999(Page-1/2)

Dated: 10-03-2021

Test: Tension Test & bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Pak 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	3.970	25	25.38	491	506	268.00	335.50	546	530	683	664	37.5	200	18.8	
2	1.602	16	16.12	201	204	93.80	133.70	467	460	665	656	35.0	200	17.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
16mm	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

Resident Engineer/Team Leader

Test Performed By:

Dr. /Engr.

M Irfan UI Hassan

Prime Engineering Consultancy, Kallurkot Bidge Project

Client Reference: KK-DIK-BR-PJ/2021/265

Dated: 09-03-2021

SOM Lab Ref: CED/SOM/3999(Page-2/2)

Dated: 10-03-2021

Test: Tension Test & bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Pak 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	1.563	16	15.92	201	199	91.70	127.20	456	461	633	640	30.0	200	15.0	
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BEND TEST:

16mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Two Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Subhan Engineering Works
Lahore

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

Client Reference: 123-
SOM Lab Ref: CED/SOM/4001 (Page-1/1)
Test: Tension Test
Sample Type: J - Bolt

Dated: 10-03-2021
Dated: 10-03-2021
Test Specification: ASTM-F-1554
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	3.605	25	24.18	491	459	164.00	238.40	334	358	486	520	55.0	200	27.5	
2	2.369	19	19.60	284	302	110.90	162.00	391	368	571	537	45.0	200	22.5	
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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

Ahmad Husnains

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

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

Client Reference: ICPL/CONST-NML/21/029

Dated: 10-03-2021

SOM Lab Ref: CED/SOM/4003(Page-1/1)

Dated: 10-03-2021

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	2.495	20	20.12	314	318	152.20	200.20	484	479	637	630	30.0	200	15.0	
2	2.482	20	20.06	314	316	148.20	197.00	472	469	627	624	32.5	200	16.3	
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BEND TEST:

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

Muhammad Zubair Yousaf
 Manager Monitoring & Coordination, Shajar Road Ltd.

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: MMC/SHJR/SGRP/41

Dated: 08-03-2021

SOM Lab Ref: CED/SOM/4004(Page-1/1)

Dated: 10-03-2021

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	0.863	12	11.84	113	110	63.00	73.20	557	573	647	666	30.0	200	15.0	
2	0.894	12	12.04	113	114	61.70	72.50	546	542	641	637	30.0	200	15.0	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested
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

Muhammad Shafi

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Dy. Manager QA/QC, Quaid-E-Azam Business Park, Sheikhpura

Client Reference: QA/QC/QABP/GHE/03

Dated: 18-02-2021

SOM Lab Ref: CED/SOM/4009(Page-1/1)

Dated: 10-03-2021

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	0.969	12	12.51	113	123	51.50	76.00	455	419	672	618	37.5	200	18.8	
2	0.964	12	12.50	113	123	50.50	75.70	447	412	669	617	37.5	200	18.8	
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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

Muhammad Faizan
Project Engineer, NETRACON Technologies (Pvt) Ltd. Lahore

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

Client Reference: NTT-HO/FSDW-GS/051

SOM Lab 3997(Page-

Ref: 1/1)

Dated: 09-03-2021

Dated: 10-03-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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)				
	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	7.03	9.40	77560	79550	103640	106300	1.30	8.0	16.3	
2	0.664	4	0.498	0.20	0.195	6.85	9.19	75540	77480	101390	103990	1.20	8.0	15.0	
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Witnessed By: Sohaib Ali, Sub Engineer, NESPAK

BEND TEST:

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

Muhammad Khalid
Pr. Engineer, SWP, Pakistan Atomic Energy Commission D. G. Khan

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

Client Reference: SWP/W(2408)/2020

SOM Lab 3998(Page-

Ref: 1/1)

Dated: 08-03-2021

Dated: 10-03-2021

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	3.308	9	1.112	1.00	0.972	28.46	45.03	62770	64580	99300	102160	1.60	8.0	20.0	
2	3.305	9	1.112	1.00	0.971	28.34	45.23	62500	64370	99750	102730	1.50	8.0	18.8	
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BEND TEST:

# 9	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

Sub Divisional Officer
Buildings Sub Division No. 21, Lahore

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

Client Reference: 1660/21

SOM Lab 4000(Page-

Ref: 1/1)

Dated: 27-02-2021

Dated: 10-03-2021

Test: Tension 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	2.704	8	1.006	0.79	0.795	23.52	34.20	65650	65240	95480	94880	1.40	8.0	17.5	
2	2.692	8	1.004	0.79	0.791	24.33	34.56	67930	67850	96470	96350	1.30	8.0	16.3	
3	1.453	6	0.737	0.44	0.427	13.15	18.14	65910	67920	90950	93720	1.30	8.0	16.3	
4	1.439	6	0.734	0.44	0.423	13.15	18.65	65910	68560	93510	97260	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	6.29	8.43	69360	70060	92960	93900	1.30	8.0	16.3	
6	0.670	4	0.501	0.20	0.197	6.29	8.43	69360	70410	92960	94380	1.20	8.0	15.0	
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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 Zubair Yousaf
Project Engineer, Shajar Roads Limited. Lahore

Test Performed By: Dr. /Engr. M Irfan Ul Hassan

Client Reference: MMC/SHJR/SGRP/41

SOM Lab 4004 (Page-1/1)
Ref:

Dated: 08-03-2021

Dated: 10-03-2021

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	1.050	5	0.627	0.31	0.309	10.72	13.83	76300	76540	98410	98730	1.30	8.0	16.3	
2	1.072	5	0.633	0.31	0.315	10.72	14.04	76300	75080	99860	98280	1.30	8.0	16.3	
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BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three 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

Chief Resident Engineer,
Abdullah Khan Architect CIMS, Site Office, DHAB, ISLAMABAD

Test Performed By: Dr. /Engr.

M IrfaS. Asad Ali
Gillani

Client Reference: CRE/KB/01/CIMSSITE/Lab

SOM Lab Ref: 4005(Page-1/1)

Dated: 05-03-2021

Dated: 10-03-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage Length: 8 inch

Sample Type: Deformed Bar (Kamran Steel)

ASTM-A-615

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.667	8	0.999	0.79	0.784	24.16	34.78	67450	67960	97100	97840	1.20	8.0	15.0	
2	2.668	8	0.999	0.79	0.784	27.29	36.67	76180	76770	102360	103150	1.20	8.0	15.0	
3	1.440	6	0.734	0.44	0.423	12.84	18.17	64380	66970	91050	94710	1.30	8.0	16.3	
4	1.438	6	0.734	0.44	0.423	13.12	18.32	65760	68400	91820	95510	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	5.81	8.26	64080	65720	91050	93390	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	5.71	8.31	62950	64240	91610	93480	1.40	8.0	17.5	
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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

Abdullah Muhammad Khadim
Resident Engineer, DAR Engineering

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: DB-78/DAR/RE/ME/2021/06

SOM Lab 4006(Page-

Ref: 1/1)

Dated: 09-03-2021

Dated: 10-03-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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)				
	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	5.98	8.33	65990	69460	91840	96670	1.30	8.0	16.3	
2	0.649	4	0.493	0.20	0.191	5.78	8.21	63740	66740	90490	94750	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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL/Steel/061

SOM Lab 4007(Page-

Ref: 1/1)

Dated: 08-03-2021

Dated: 10-03-2021

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	0.677	4	0.503	0.20	0.199	5.37	7.75	59240	59540	85430	85860	1.00	8.0	12.5	
2	0.664	4	0.498	0.20	0.195	5.81	7.90	64080	65720	87120	89350	1.00	8.0	12.5	
3	0.673	4	0.502	0.20	0.198	5.76	7.95	63510	64160	87680	88570	0.90	8.0	11.3	
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BEND TEST:

4 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Five Samples
Received and Tested

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/062

SOM Lab 4007(Page-

Ref: 2/2)

Dated: 08-03-2021

Dated: 10-03-2021

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	0.678	4	0.503	0.20	0.199	5.37	7.95	59240	59540	87680	88120	1.00	8.0	12.5	
2	0.668	4	0.500	0.20	0.196	5.56	7.90	61270	62520	87120	88900	1.00	8.0	12.5	
3	0.671	4	0.501	0.20	0.197	5.50	7.77	60700	61630	85660	86960	0.90	8.0	11.3	
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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

Engr. Shair Muhammad
Resident Engineer, M-3 IC Industrial City, Faisalabad

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

Client Reference: CRE/M3IC/FIC-040/Lab/1054

SOM Lab 4008 (Page-

Ref: 1/1)

Dated: 09-03--2021

Dated: 10-03-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(ITHAD 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	1.486	6	0.746	0.44	0.437	15.82	19.49	79300	79850	97690	98370	1.70	8.0	21.3	
2	1.491	6	0.747	0.44	0.438	17.07	20.49	85590	85980	102700	103170	1.60	8.0	20.0	
3	1.007	5	0.614	0.31	0.296	8.92	13.53	63460	66460	96240	100790	1.30	8.0	16.3	
4	1.003	5	0.613	0.31	0.295	8.77	13.40	62370	65540	95370	100220	1.40	8.0	17.5	
5	0.649	4	0.493	0.20	0.191	6.37	8.41	70260	73570	92740	97110	1.40	8.0	17.5	
6	0.647	4	0.492	0.20	0.190	5.68	8.36	62610	65910	92180	97030	1.30	8.0	16.3	
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BEND TEST:

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