

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr.

Nauman Khurram

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

Client Reference: HRLE/SKG/2022/068/2161

SOM Lab Ref:

997(Page-1/2)

Dated: 28-09-2022

Dated:

29-09-2022

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Deformed Bar (Afco 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.805	25	24.85	491	485	213.50	341.20	435	441	695	704	32.5	200	16.3	
2	3.804	25	24.84	491	485	215.00	344.20	438	444	701	711	35.0	200	17.5	
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BEND TEST:

25mm	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. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr. Nauman Khurram

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

Client Reference: HRLE/SKG/2022/069/2166

SOM Lab Ref: 997(Page-2/2)

Dated: 28-09-2022

Dated: 29-09-2022

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Deformed Bar (Afco 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.686	25	24.46	491	470	204.50	332.20	416	436	677	707	32.5	200	16.3	
2	3.745	25	24.65	491	477	201.70	319.70	411	423	651	671	30.0	200	15.0	
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BEND TEST:

25mm	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

Q-Links Property Const.

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

Q-Links Property Managements Pvt.Ltd Lhr.(Const of JGM,OM,BH-3,JH,SH,Bahria Town Lhr)

Client Reference: QCL-UET-JGM-2022-09-LTR-299-6

SOM Lab 994 (Page-

Ref: 1/1)

Dated: 29-09-2022

Dated: 29-08-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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	2.637	8	0.993	0.79	0.775	26.01	33.51	72630	74030	93540	95350	1.20	8.0	15.0	
2	1.468	6	0.741	0.44	0.431	14.29	18.96	71640	73130	95040	97020	1.10	8.0	13.8	
3	0.648	4	0.492	0.20	0.190	6.37	8.48	70260	73960	93530	98450	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

Muhammad Waqas Anwar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE-I Nespak Lhr.(Estb Of Sports Complex,NA-128,Lahore) (LDP),(EME)

Client Reference: 3772/SC-EME/103/MWA/04/236

SOM Lab 995 (Page-

Ref: 1/3)

Dated: 14-04-2022

Dated: 29-09-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	0.673	4	0.502	0.20	0.198	7.46	9.28	82290	83120	102290	103330	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	7.67	9.53	84530	85820	105100	106700	0.90	8.0	11.3	
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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

Muhammad Waqas Anwar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE-I Nespak Lhr.(Estb Of Sports Complex,NA-128,Lahore) (LDP),(EME)

Client Reference: 3772/SC-EME/103/MWA/04/237

SOM Lab 995 (Page-

Ref: 2/3)

Dated: 14-04-2022

Dated: 29-09-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	1.479	6	0.744	0.44	0.435	14.24	18.17	71380	72200	91050	92100	1.00	8.0	12.5	
2	1.478	6	0.743	0.44	0.434	13.56	17.89	67960	68900	89670	90910	1.00	8.0	12.5	
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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

Muhammad Waqas Anwar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE-I Nespak Lhr.(Estb Of Sports Complex,NA-128,Lahore) (LDP),(EME)

Client Reference: 3772/SC-EME/103/MWA/04/238

SOM Lab 995 (Page-

Ref: 3/3)

Dated: 14-04-2022

Dated: 29-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF 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	2.633	8	0.993	0.79	0.774	25.66	34.78	71630	73110	97100	99110	1.40	8.0	17.5	
2	2.600	8	0.986	0.79	0.764	23.31	32.64	65090	67300	91120	94220	1.20	8.0	15.0	
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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

Fawad Butt

Test Performed By:

Dr. /Engr.

Nauman Khurram

Project Manager NETRACON Tech.Lahore (Design Supply and Installation Of 500 KV Noshera)

Client Reference: NTT-HO/WB05A-GS/021A

SOM Lab

996 (Page-

Ref:

1/1)

Dated: 27-09-2022

Dated:

29-09-2022

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	2.635	8	0.993	0.79	0.774	27.75	37.99	77460	79070	106060	108260	1.40	8.0	17.5	
2	2.633	8	0.993	0.79	0.774	27.37	37.84	76410	77990	105640	107820	1.20	8.0	15.0	
3	2.039	7	0.873	0.60	0.599	19.44	26.32	71460	71580	96750	96910	1.30	8.0	16.3	
4	2.045	7	0.875	0.60	0.601	20.03	26.76	73630	73510	98360	98200	1.20	8.0	15.0	
5	1.480	6	0.744	0.44	0.435	15.24	19.37	76390	77270	97080	98200	1.10	8.0	13.8	
6	1.476	6	0.743	0.44	0.434	15.39	19.59	77160	78220	98210	99560	1.10	8.0	13.8	
7	1.050	5	0.627	0.31	0.309	11.72	13.88	83400	83670	98780	99100	1.00	8.0	12.5	
8	1.044	5	0.625	0.31	0.307	12.76	14.88	90800	91690	105880	106920	1.00	8.0	12.5	
9	0.656	4	0.496	0.20	0.193	6.42	8.36	70820	73390	92180	95520	1.00	8.0	12.5	
10	0.656	4	0.496	0.20	0.193	6.27	8.28	69130	71640	91280	94590	1.10	8.0	13.8	

Witnessed By:

Mr.Yasir Latif (CNTIC) Const.Manager,Tariq Ilyas Cheema (JE,Barqaab Consultant)

BEND TEST:

Sr.# (1-2)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (3-4)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (5-6)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (7-8)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (9-10)	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twenty Samples Received and Tested

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

UMT
 Director PMO UMT Lahore.(Steel of Beams & 2nd Floor Slab Beam)

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

Client Reference: CB-2/12/22

SOM Lab 998 (Page-

Ref: 1/3)

Dated: 29-09-2022

Dated: 29-09-2022

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	2.640	8	0.994	0.79	0.776	29.63	36.95	82730	84220	103160	105020	1.00	8.0	12.5	
2	2.627	8	0.991	0.79	0.772	31.29	38.63	87370	89400	107860	110370	1.10	8.0	13.8	
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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

UMT
 Director PMO UMT Lahore.(Steel Of G.F Beams)

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

Client Reference: CB-2/13/22

SOM Lab 998 (Page-

Ref: 2/3)

Dated: 29-09-2022

Dated: 29-09-2022

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	2.661	8	0.998	0.79	0.782	27.93	36.36	77980	78770	101510	102550	1.20	8.0	15.0	
2	2.676	8	1.000	0.79	0.786	28.03	36.54	78260	78660	102020	102540	1.20	8.0	15.0	
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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

UMT

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Director PMO UMT Lahore.(Steel Of Beams & Slab of G.F)

Client Reference: CB-2/11/22

SOM Lab 998 (Page-

Ref: 3/3)

Dated: 29-09-2022

Dated: 29-09-2022

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	1.475	6	0.743	0.44	0.433	14.12	18.81	70770	71910	94270	95800	1.10	8.0	13.8	
2	1.473	6	0.743	0.44	0.433	15.21	19.49	76240	77470	97690	99270	1.20	8.0	15.0	
3	0.655	4	0.494	0.20	0.192	6.03	9.07	66550	69320	100050	104210	1.40	8.0	17.5	
4	0.675	4	0.502	0.20	0.198	6.29	9.33	69360	70060	102860	103890	1.30	8.0	16.3	
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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

Pakistan Atomic Energy Com.

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

Project Dir (North-3) WASO-PAEC.(Const Of 120 Rooms Residential For Friendship At FFP Site)

Client Reference: WASO-CMD-LOI-158/C/

SOM Lab 999 (Page-

Ref: 1/1)

Dated: 12-09-2022

Dated: 29-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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	0.661	4	0.497	0.20	0.194	6.68	8.56	73630	75910	94420	97340	1.20	8.0	15.0	
2	0.665	4	0.498	0.20	0.195	7.59	9.55	83750	85890	105330	108030	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