

Engr. Zaheer Ud Din Babar

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

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

1668 (Page-1/5)

Client Reference: HRLE/SKG/2023/114/2796

SOM Lab Ref:

Dated: 30-01-2023

Dated:

30-01-2023

Test: Tension Test

Test Specification:

ASTM-A-615

20 m

MS Deformed Bar (Afco

Guage Length:

0 m

Sample Type:

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	m	%	
1	0.895	12	12.05	113	114	61.20	80.00	542	537	708	702	30.0	20.0	15.0	
2	0.912	12	12.16	113	116	67.70	81.50	599	583	721	702	25.0	20.0	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

Engr. Zaheer Ud Din Babar

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

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

1668 (Page-2/5)

Client Reference: HRLE/SKG/2023/115/2796

SOM Lab Ref:

Dated: 30-01-2023

Dated:

30-01-2023

Test: Tension Test

Test Specification: ASTM-A-615

20 m

MS Deformed Bar (Afco

Guage Length: 0 m

Sample Type:

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	m	%	
1	1.597	16	16.08	201	203	114.70	136.50	571	566	679	673	27.5	200	13.8	
2	1.558	16	15.90	201	199	127.00	149.50	632	640	744	754	25.0	200	12.5	
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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

Engr. Zaheer Ud Din Babar

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

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

1668 (Page-3/5)

Client Reference: HRLE/SKG/2023/117/2798

SOM Lab Ref:

Dated: 30-01-2023

Dated:

30-01-2023

Test: Tension Test

Test Specification:

ASTM-A-615

20 m

MS Deformed Bar (Afco

Guage Length:

0 m

Sample Type:

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	m	%	
1	1.626	16	16.24	201	207	111.50	134.50	555	539	669	650	30.0	200	15.0	
2	1.582	16	16.02	201	201	109.50	128.50	545	544	639	638	27.5	200	13.8	
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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

Engr. Zaheer Ud Din Babar

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

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

1668 (Page-4/5)

Client Reference: HRLE/SKG/2023/116/2796

SOM Lab Ref:

Dated: 30-01-2023

Dated:

30-01-2023

Test: Tension Test

Test Specification:

ASTM-A-615

20 m

MS Deformed Bar (Afco

Guage Length:

0 m

Sample Type:

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	m	%	
1	3.043	22	22.23	387	388	173.50	278.00	448	448	718	717	35.0	200	17.5	
2	2.972	22	21.96	387	379	171.60	274.20	443	454	709	725	40.0	200	20.0	
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BEND TEST:

22mm	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. Asad Ali Gillani

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

1668 (Page-5/5)

Client Reference: HRLE/SKG/2023/118/2798

SOM Lab Ref:

Dated: 30-01-2023

Dated:

30-01-2023

Test: Tension Test

Test Specification:

ASTM-A-615

20 m

MS Deformed Bar (Afco

Guage Length:

0 m

Sample Type:

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	m	%	
1	3.007	22	22.08	387	383	172.70	269.00	446	451	695	703	37.5	200	18.8	
2	3.081	22	22.36	387	392	174.00	272.00	450	444	703	694	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

22mm	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

MS Paidar Builders (Pvt) Ltd.
Lahore.(Const Of TCF Secondary School Unit-1 Padhana Lahore)

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

Client Reference: PBL/UET/2023-465

SOM Lab

Ref: 1667 (Page-2/3)

Dated: 16-01-2023

Dated: 30-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittefaq 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	1.468	6	0.741	0.44	0.431	15.90	20.64	79710	81370	103470	105630	1.10	8.00	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

MS Paidar Builders (Pvt) Ltd.
Lahore.(Const Of TCF Secondary School Unit-1 Padhana Lahore)

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

Client Reference: PBL/UET/2023-466

SOM Lab

Ref: 1667 (Page-3/3)

Dated: 16-01-2023

Dated: 30-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittefaq 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	0.676	4	0.503	0.20	0.199	6.17	9.63	68010	68350	106230	106760	1.20	8.00	15.00	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

MS Paidar Builders (Pvt) Ltd.
Lahore.(Const Of TCF Secondary School Unit-1 Padhana Lahore)

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

Client Reference: PBL/UET/2023-467

SOM Lab

Ref: 1667 (Page-1/3)

Dated: 16-01-2023

Dated: 30-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	23.55	33.33	65740	67270	93060	95230	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Syed Mubashar Hassan

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

RE NESPAK Srgodha.(Const/Re-Const Of Rd From Mohal Colony to Jauharabad Sugar Mills)

Client Reference: 4376/SMH/23/3142

SOM Lab

Ref: 1669 (Page-1/1)

Dated: 20-01-2023

Dated: 30-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Supreme 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	2.664	8	0.998	0.79	0.783	26.66	34.66	74420	75080	96760	97620	1.40	8.00	17.5	
2	2.655	8	0.997	0.79	0.780	26.96	34.73	75270	76240	96960	98200	1.50	8.00	18.8	
3	1.494	6	0.748	0.44	0.439	15.95	19.32	79970	80150	96830	97050	1.40	8.00	17.5	
4	1.494	6	0.748	0.44	0.439	16.16	19.39	80990	81170	97180	97410	1.30	8.00	16.3	
5	0.634	4	0.487	0.20	0.186	6.54	8.36	72170	77600	92180	99110	1.00	8.00	12.5	
6	0.635	4	0.488	0.20	0.187	6.68	8.63	73630	78750	95210	101830	1.00	8.00	12.5	
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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

Shifa Developments Services.

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

Senior Project Manager, Shifa National Hospital, Lahore Skp Road, Faisalabad)

Client Reference: SNHF/SDS/ST/14

SOM Lab

Ref: 1670 (Page-1/1)

Dated: 30-01-2023

Dated: 30-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	0.678	4	0.503	0.20	0.199	6.22	8.94	68570	68920	98580	99080	1.30	8.00	16.3	
2	0.653	4	0.494	0.20	0.192	5.68	8.53	62610	65220	94090	98010	1.10	8.00	13.8	
3	0.668	4	0.500	0.20	0.196	5.71	8.31	62950	64240	91610	93480	1.10	8.00	13.8	
4	0.664	4	0.498	0.20	0.195	5.66	8.38	62390	63990	92400	94770	1.20	8.00	15.0	
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BEND TEST:

# 4	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

Muhammad Azmat ,RE

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

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/142

SOM Lab

Ref: 1671 (Page-1/1)

Dated: 12-01-2023

Dated: 30-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Faizan 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	2.672	8	1.000	0.79	0.785	25.43	34.05	71000	71460	95050	95660	1.50	8.00	18.8	
2	2.651	8	0.996	0.79	0.779	26.81	34.93	74850	75900	97530	98900	1.40	8.00	17.5	
3	1.501	6	0.749	0.44	0.441	14.27	18.93	71540	71370	94880	94670	1.30	8.00	16.3	
4	1.507	6	0.751	0.44	0.443	14.37	19.80	72050	71560	99230	98560	1.20	8.00	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	

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

AK Smelters & Re-Roller Pvt
Ltd.
Gujranwala.

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

Client Reference: Nil

Dated: 30-01-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1672 (Page-1/1)

Dated: 30-01-2023

ASTM-A-615

Deformed Bar (AKS 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	2.636	8	0.993	0.79	0.775	22.78	36.11	63610	64840	100800	102750	1.30	8.00	16.3	
2	1.501	6	0.749	0.44	0.441	13.63	20.51	68320	68160	102800	102570	1.40	8.00	17.5	
3	1.057	5	0.629	0.31	0.311	9.14	14.70	65050	64850	104580	104240	1.50	8.00	18.8	
4	0.659	4	0.497	0.20	0.194	6.12	9.23	67450	69530	101730	104880	1.30	8.00	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	
# 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