Test Performed By: Dr. Irfan Ul Hassan

Engr. Major Zia-Ul-Islam ®
Project Director
Oversease Construction Co. (Pvt) Ltd. Lahore
(Project Gulberg City Centre, Lahore)

Client Reference: OCC/Steel/weld/i09i Dated:29-01-2024

SOM Laboratory Reference: CED/SOM/3604(Page-1/1) Dated:31-01-2024

Test: Weld Test

Sample Type: Deformed Bar, A.F Steel (# 6), Weld Size 9 Inch

Weld Test

Sr.No	Sample Type	Ultimate Load (kN)	Ultimate Stress (psi)	Remarks
1	Deformed Bar (# 6)	200.2	102290	Rebar Failed

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

Test Performed By: Dr. Irfan Ul Hassan

Engr. Major Zia-Ul-Islam ®
Project Director
Oversease Construction Co. (Pvt) Ltd. Lahore
(Project Gulberg City Centre, Lahore)

Client Reference: OCC/Steel/weld/10 Dated:29-01-2024

SOM Laboratory Reference: CED/SOM/3605(Page-1/1) Dated:31-01-2024

Test: Weld Test

Sample Type: Deformed Bar, A.F Steel (# 8), Weld Size 9 Inch

Weld Test

Sr.No	Sample Type	Ultimate Load (kN)	Ultimate Stress (psi)	Remarks
1	Deformed Bar (# 8)	292.5	83240	Rebar Failed

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

Syed Zaigham Hussain,PM **Test Performed By:** **Dr. /Engr.** Wasim Abbas
Haris & Co Lahore.(Const Of Canal Filling Station Lahore)

Client Reference: H&CO/Canal FS Lahore **SOM Lab Ref:** 3603 (Page-1/1)
Dated: 30-01-2024 **Dated:** 31-01-2024

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	1.524	6	0.755	0.44	0.448	15.06	19.49	75470	74120	97690	95950	1.30	8.0	16.3	
2	1.528	6	0.756	0.44	0.449	15.01	19.32	75210	73710	96830	94890	1.20	8.0	15.0	
3	1.035	5	0.622	0.31	0.304	9.79	13.07	69620	71000	92970	94810	1.30	8.0	16.3	
4	1.039	5	0.623	0.31	0.305	9.84	13.20	69990	71130	93920	95460	1.20	8.0	15.0	
5	0.667	4	0.500	0.20	0.196	6.09	8.41	67110	68480	92740	94630	1.20	8.0	15.0	
6	0.663	4	0.498	0.20	0.195	6.44	8.94	71040	72870	98580	101110	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Muhammad Abdul Sattar Jalbani **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

ME Nespak PRSWSSP,Taunsa.(PRSWSS Project Tehsil Taunsa Pkg II & V)

Client Reference: NESPAK/PRSWSSP/TAUNSA/ME/109 **SOM Lab Ref:** 3606 (Page-1/1)

Dated: 21-01-2024 **Dated:** 31-01-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Sheikhoo 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	2.642	8	0.994	0.79	0.776	24.38	34.00	68070	69300	94910	96620	1.50	8.0	18.8	
2	2.647	8	0.995	0.79	0.778	25.38	33.81	70860	71960	94400	95850	1.40	8.0	17.5	
3	1.479	6	0.744	0.44	0.435	14.48	18.88	72560	73390	94630	95720	1.10	8.0	13.8	
4	1.478	6	0.743	0.44	0.434	14.58	18.98	73070	74080	95140	96460	1.30	8.0	16.3	
5	0.657	4	0.496	0.20	0.193	6.62	8.89	72960	75600	98020	101580	1.10	8.0	13.8	
6	0.664	4	0.498	0.20	0.195	6.95	8.92	76660	78630	98360	100880	1.20	8.0	15.0	
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BEND TEST:

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

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

EPCM Consultants **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

ME Nespak Swl.(PICIIP,Lot-04)(Upgrade/Rehb Of Existing Roads,Streets and Pavements In Sahiwal)

Client Reference: 3976/11/MS/SWL/Lot-04/01/751 **SOM Lab Ref:** 3607 (Page-1/1)

Dated: 24-01-2024 **Dated:** 31-01-2024

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	1.448	6	0.736	0.44	0.426	13.76	19.85	68980	71250	99480	102750	1.40	8.0	17.5	
2	1.462	6	0.740	0.44	0.430	12.92	19.95	64740	66250	99990	102320	1.20	8.0	15.0	
3	0.676	4	0.503	0.20	0.199	6.54	9.79	72170	72530	107910	108460	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	6.73	9.43	74190	75320	103980	105560	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Mirza Muhammad Shahzad **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

RE NESPAK Lhr.(Const Of 4-Lane Bridge Ravi River,Lahore)

SOM Lab

Client Reference: 4537/03/MSA/09/189 **Ref:** 3608 (Page-1/1)

Dated: 31-01-2024 **Dated:** 31-01-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Rajput Supreme)

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	1.558	6	0.764	0.44	0.458	13.32	23.39	66780	64160	117260	112650	1.20	8.0	15.0	
2	1.550	6	0.762	0.44	0.456	13.37	23.24	67040	64690	116500	112410	1.20	8.0	15.0	
3	1.002	5	0.612	0.31	0.294	8.84	14.48	62880	66300	102980	108590	1.20	8.0	15.0	
4	1.005	5	0.613	0.31	0.295	8.87	14.58	63100	66300	103710	108980	1.20	8.0	15.0	
5	0.668	4	0.500	0.20	0.196	5.71	8.69	62950	64240	95770	97730	1.10	8.0	13.8	
6	0.669	4	0.501	0.20	0.197	5.71	8.74	62950	63910	96340	97800	1.10	8.0	13.8	
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BEND TEST:

# 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:-

Only Nine Samples Received and Tested

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

Allied Bank **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

SOM Lab

Client Reference: ABL-UML-AMC-QAQC;60 **Ref:** 3609 (Page-1/1)

Dated: 31-01-2024 **Dated:** 31-01-2024

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	1.525	6	0.755	0.44	0.448	16.92	19.78	84820	83300	99130	97360	1.40	8.0	17.5	
2	1.516	6	0.754	0.44	0.446	16.56	19.78	83030	81910	99130	97790	1.30	8.0	16.3	
3	1.074	5	0.634	0.31	0.316	11.72	14.09	83400	81820	100230	98320	1.30	8.0	16.3	
4	1.081	5	0.636	0.31	0.318	11.72	14.14	83400	81300	100590	98060	1.30	8.0	16.3	
5	0.674	4	0.502	0.20	0.198	7.29	8.77	80370	81190	96670	97650	1.00	8.0	12.5	
6	0.668	4	0.500	0.20	0.196	7.31	8.74	80600	82240	96340	98300	1.10	8.0	13.8	
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BEND TEST:

# 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:-

Only Nine Samples Received and Tested

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