

Osmani & Compny (Pvt) Ltd.

Test Performed By:

Dr. /Engr.

Nauman Khurram

RE OCL FIAP Fsd.(Re-Const Of Rigid Runway at Fiasalabad International Airport)

Client Reference: OCL/C-126/CAA-FIAP/2022/1811/1,583

Dated: 18-11-2022

SOM Lab Ref: CED/SOM/1292(Page-1/1)

Dated: 22-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (SJ 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	1.000	12	12.72	113	127	53.50	83.20	473	422	736	656	27.5	200	13.8	
2	1.000	12	12.74	113	127	52.50	82.50	464	413	729	648	25.0	200	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

Omar Sadiq

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager One Liberty Mall and H&S Hotel Lahore.

Client Reference: OL/OS/2022/20

SOM Lab

Ref:

1290 (Page-1/1)

Dated: 22-11-2022

Dated:

22-11-2022

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	2.551	8	0.977	0.79	0.750	19.47	33.66	54360	57260	93970	98980	1.50	8.0	18.8	
2	2.587	8	0.984	0.79	0.760	19.52	34.00	54500	56650	94910	98650	1.50	8.0	18.8	
3	1.641	6	0.783	0.44	0.482	13.76	22.12	68980	62970	110880	101220	1.40	8.0	17.5	
4	1.525	6	0.755	0.44	0.448	14.88	21.10	74600	73270	105770	103880	1.20	8.0	15.0	
5	0.672	4	0.501	0.20	0.197	6.70	8.43	73850	74980	92960	94380	1.20	8.0	15.0	
6	0.661	4	0.497	0.20	0.194	5.45	8.53	60140	62000	94090	97000	1.40	8.0	17.5	
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Witnessed By:

Yasir Iqbal

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

Ravians Constructions Services.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr.Project Manager Lhr.(Const Of Fantasy Plaza, Dream Garden,Lahore)

Client Reference: Nil

SOM Lab

Ref:

1291 (Page-1/1)

Dated: 22-11-2022

Dated:

22-11-2022

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	1.477	6	0.743	0.44	0.434	13.61	18.25	68210	69160	91460	92730	1.40	8.0	17.5	
2	1.475	6	0.743	0.44	0.433	13.58	18.27	68060	69160	91560	93040	1.60	8.0	20.0	
3	0.580	4	0.465	0.20	0.170	4.96	7.19	54750	64410	79250	93230	1.10	8.0	13.8	
4	0.578	4	0.465	0.20	0.170	4.96	7.19	54750	64410	79250	93230	1.20	8.0	15.0	
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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

Engr. Bilal Yaqoob Virk

Test Performed By:

Dr. /Engr. Nauman Khurram

AEE-II CCD Pak PWD Guj.(Renov/Refurbishment/Up-Gradation Of Existing B/Wall of Land Of NHMP)

Client Reference: AEE-II/CCD/GAWork/NHMP/B-9/Lab/80

SOM Lab

Ref: 1293 (Page-1/1)

Dated: 18-10-2022

Dated: 22-11-2022

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	0.674	4	0.502	0.20	0.198	7.00	9.04	77230	78010	99710	100710	1.10	8.0	13.8	
2	0.668	4	0.500	0.20	0.196	7.05	8.92	77790	79380	98360	100370	1.00	8.0	12.5	
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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