

Jaffar Rasheed Sheikh

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr Project Manager ,Izhar Const.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

Client Reference: ICPL/CONST-DML/21/302

Dated: 18-01-2023

SOM Lab Ref: CED/SOM/1601(Page-1/1)

Dated: 18-01-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: M S Deformed Bar (Batala Premium)

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	60.70	82.20	537	478	727	648	32.5	200	16.3	
2	1.002	12	12.75	113	128	61.00	82.70	539	478	731	649	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Adnan Khalid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Manager Procurement Petrocon (Pvt) Ltd.(MCH-01 Tank Project at shell Pak Machike Depot)

Client Reference: 100/UET-P331/TEST

Dated: 18-01-2023

SOM Lab Ref: CED/SOM/1607(Page-1/2)

Dated: 18-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Amreli Steel Lot #4)

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	2.447	20	19.93	314	312	153.20	210.70	488	492	671	676	32.5	200	16.3	
2	1.589	16	16.05	201	202	113.20	141.50	563	560	704	700	32.5	200	16.3	
3	0.862	12	11.83	113	110	59.50	73.70	526	542	652	671	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

-- No Bend test performed

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

Adnan Khalid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Manager Procurement Petrocon (Pvt) Ltd.(MCH-01 Tank Project at shell Pak Machike Depot)

Client Reference: 100/UET-P331/TEST

Dated: 18-01-2023

SOM Lab Ref: CED/SOM/1607(Page-2/2)

Dated: 18-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Amreli Steel Lot #2)

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	2.462	20	20.00	314	314	153.20	210.50	488	488	670	671	37.5	200	18.8	
2	1.587	16	16.04	201	202	112.50	141.50	560	557	704	701	32.5	200	16.3	
3	0.981	12	12.61	113	125	62.70	73.70	554	502	652	590	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

-- No Bend test performed

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

Engr.Akhtar Abbas

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

RE AZ Engg Associates M&C Hospital D.G khan.(Estb. Of Mother & Child Block,Teaching Hospital)

Client Reference: RE/AZEA/DGK/182

SOM Lab

Ref: 1600 (Page-1/1)

Dated: 11-01-2023

Dated: 18-01-2023

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	2.675	8	1.000	0.79	0.786	25.35	34.15	70780	71140	95340	95820	1.60	8.0	20.0	
2	2.676	8	1.000	0.79	0.786	25.56	34.27	71350	71710	95680	96160	1.60	8.0	20.0	
3	1.551	6	0.762	0.44	0.456	15.36	20.54	77000	74300	102960	99340	1.30	8.0	16.3	
4	1.558	6	0.764	0.44	0.458	14.60	19.62	73170	70290	98360	94490	1.40	8.0	17.5	
5	0.670	4	0.501	0.20	0.197	6.47	8.41	71380	72470	92740	94150	1.20	8.0	15.0	
6	0.669	4	0.501	0.20	0.197	6.49	8.33	71610	72700	91840	93240	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional officer,
 BSD No.10,Lhr.(Const of Police Station Liaquat Abad Lahore)

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

Client Reference: 386/10th

SOM Lab

Ref: 1602 (Page-1/1)

Dated: 13-01-2023

Dated: 18-01-2023

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	2.697	8	1.005	0.79	0.793	24.33	35.09	67930	67670	97950	97580	1.60	8.0	20.0	
2	2.681	8	1.002	0.79	0.788	24.41	35.12	68160	68330	98040	98290	1.50	8.0	18.8	
3	1.506	6	0.751	0.44	0.443	12.10	18.14	60650	60240	90950	90330	1.40	8.0	17.5	
4	1.507	6	0.751	0.44	0.443	12.18	18.35	61060	60650	91970	91350	1.50	8.0	18.8	
5	0.672	4	0.501	0.20	0.197	6.70	8.79	73850	74980	96900	98370	1.30	8.0	16.3	
6	0.666	4	0.500	0.20	0.196	6.37	8.46	70260	71690	93300	95200	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Qasim Ali
Senior Manager Project-Civil, Volka Food International.Ltd.Multan

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

Client Reference: VFI/Civil/18

SOM Lab

Ref: 1604 (Page-1/1)

Dated: 17-01-2023

Dated: 18-01-2023

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	2.570	8	0.980	0.79	0.755	27.70	33.59	77320	80910	93770	98120	1.30	8.0	16.3	
2	2.578	8	0.982	0.79	0.758	25.89	32.42	72290	75340	90500	94320	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr. Irfan Ali

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

MP Ittefaq Construction Services Lahore.(Const Of Commercial Plaza "11 Westwood" Lhr)

Client Reference: ICS/H.O/B.T.P/002

SOM Lab

Ref:

1605 (Page-1/1)

Dated: 12-01-2023

Dated:

18-01-2023

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	0.671	4	0.501	0.20	0.197	7.08	9.40	78130	79320	103640	105220	1.00	8.0	12.5	
2	0.675	4	0.502	0.20	0.198	6.83	9.33	75320	76080	102860	103890	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Baig Constructions Co.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lahore.(Const Of Jinnah Square Mall,Khayaban-e-Jinnah,Road Lahore)

Client Reference: 18012023BCC

SOM Lab

Ref:

1606 (Page-1/1)

Dated: 18-01-2023

Dated:

18-01-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Model 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	0.665	4	0.498	0.20	0.195	6.47	9.33	71380	73210	102860	105490	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	6.32	8.48	69700	71480	93530	95920	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

E.S.B Engineering Co.
Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 1608,1647(P-1/1)

Dated: 18-01-2023

Dated: 18-01-2023

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	0.669	4	0.501	0.20	0.197	7.29	9.45	80370	81600	104200	105790	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

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

Chief Cantonment Engineer

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Walton Cantt Lahore.(Const Of Cantt House,Bagh Ali Rd Walton Cantt)

Client Reference: WC/CCE/1531

SOM Lab

Ref:

1609 (Page-1/1)

Dated: 12-01-2023

Dated:

18-01-2023

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	1.506	6	0.751	0.44	0.443	18.14	21.83	90950	90330	109450	108700	1.40	8.0	17.5	
2	1.491	6	0.747	0.44	0.438	18.27	21.92	91560	91980	109850	110360	1.50	8.0	18.8	
3	0.669	4	0.501	0.20	0.197	6.34	8.53	69920	70990	94090	95520	1.40	8.0	17.5	
4	0.668	4	0.500	0.20	0.196	6.39	8.63	70480	71920	95210	97150	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

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

Test Performed by: Dr. S. Asad Ali Gillani

Taslim Alam
RE Nespak Zeroline Bridge, Kartarpur
(Construction Of Bridge at Zero Line Kartarpur Sahib Corridor)

Reference No.: 4371/021/TA/01/069
SOM Lab Ref: CED/SOM/1603(Page-1/1)

Dated: 10-01-2023
Dated: 18-01-2023

Test: Tensile Test, Elongation at Break, Tear Test, Hardness Test & Comp. Set Test

Sample Type: Elastomeric Bearing Pad (SNAC)

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm ²)	Elongation at Break(%)
1	7.0 x 2.0	0.30	21.42	218.41	510.0
2	7.0 x 2.0	0.32	22.85	233.0	520.0

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	13.7 x 2.6	0.27	103.84
2	13.6 x 2.6	0.25	96.15

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.10	2.94	5.16

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Elastomeric Bearing Pad	63..3

