Aamir Shahzad Alvi **Test Performed By:** **Dr. /Engr.** Wasim Abbas
PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/167 **Dated:** 20-12-2023
SOM Lab Ref: CED/SOM/3385(Page-1/1) **Dated:** 20-12-2023
Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615
Sample Type: Deformed Bar **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	3.949	25	25.31	491	503	251.70	346.50	513	501	706	689	35.0	200	17.5	
2	3.956	25	25.33	491	504	259.20	349.70	528	515	712	694	37.5	200	18.8	
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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

Atique Ahmed,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Lahore.(Remodeling and Upgradation Of Ada Nullah & Walton Road)(Package-II)

Client Reference: 4322/13/CAA/09/139 **Dated:** 18-12-2023

SOM Lab Ref: CED/SOM/3384 (Page-1/1) **Dated:** 20-12-2023

Test: Tension Test **Test Specification:** ASTM-F-1554

Sample Type: Threaded Bolt **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	1.288	16	14.45	201	164	63.70	87.50	317	389	435	534	12.5	50	25.0	
2	1.295	16	14.50	201	165	64.70	86.50	322	393	430	525	12.5	50	25.0	
3	1.290	16	14.47	201	164	64.00	87.70	318	390	436	534	10.0	50	20.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Three Samples Received and Tested

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

Azeem Randhawa **Test Performed By:** **Dr. /Engr.** Ali Ahmed

Project Engr.Centure Venture 1 Lahore (Century Venture 1,MM Alam Road Lahore)

Client Reference: CV1/ST/04 **SOM Lab Ref:** 3383 (Page-1/1)

Dated: 19-12-2023 **Dated:** 20-12-2023

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	2.567	8	0.980	0.79	0.754	23.70	32.69	66170	69330	91270	95620	1.50	8.0	18.8	
2	2.566	8	0.980	0.79	0.754	25.40	33.97	70920	74310	94820	99350	1.40	8.0	17.5	
3	1.634	6	0.782	0.44	0.480	16.72	21.53	83800	76810	107910	98920	1.30	8.0	16.3	
4	1.633	6	0.782	0.44	0.480	17.20	21.99	86200	79020	110210	101030	1.50	8.0	18.8	
5	0.593	4	0.471	0.20	0.174	5.56	7.61	61270	70420	83970	96520	1.10	8.0	13.8	
6	0.598	4	0.473	0.20	0.176	5.61	7.61	61830	70260	83970	95420	1.20	8.0	15.0	
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BEND TEST:

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

Beacon Impex Pvt Ltd. **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Faisalabad.(Const Of Dye House Extension & Ware House at Beacon Impex)

Client Reference: B.I/Civil/23-65 **SOM Lab Ref:** 3386 (Page-1/2)

Dated: 20-12-2023 **Dated:** 20-12-2023

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	1.528	6	0.756	0.44	0.449	15.14	20.25	75880	74360	101530	99490	1.40	8.0	17.5	
2	1.457	6	0.738	0.44	0.428	15.06	19.49	75470	77590	97690	100430	1.30	8.0	16.3	
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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

Beacon Impex Pvt Ltd. **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Faisalabad.(Const Of Dye House Extension & Ware House at Beacon Impex)

Client Reference: B.I/Civil/23-64 **SOM Lab Ref:** 3386 (Page-2/2)

Dated: 20-12-2023 **Dated:** 20-12-2023

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Kisan 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	2.650	8	0.996	0.79	0.779	20.10	30.53	56120	56910	85230	86440	1.60	8.0	20.0	
2	2.630	8	0.992	0.79	0.773	21.87	32.39	61040	62390	90410	92400	1.50	8.0	18.8	
3	0.673	4	0.502	0.20	0.198	7.14	9.40	78690	79480	103640	104690	1.00	8.0	12.5	
4	0.673	4	0.502	0.20	0.198	7.05	9.38	77790	78570	103420	104460	1.00	8.0	12.5	
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BEND TEST:

# 8	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

Executive Engineer,PCD **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Pak PWD Sahiwal.(Const of Capacity Building Of Field Office Of Election Commission Of Pakistan)

Client Reference: EE/PCD/SWL/2013 **SOM Lab Ref:** 3387 (Page-1/1)

Dated: 18-12-2023 **Dated:** 20-12-2023

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	2.661	8	0.998	0.79	0.782	23.23	34.25	64860	65520	95620	96600	1.30	8.0	16.3	
2	2.659	8	0.997	0.79	0.781	23.52	37.36	65650	66410	104300	105500	1.40	8.0	17.5	
3	1.492	6	0.747	0.44	0.438	12.44	19.03	62340	62620	95400	95830	1.50	8.0	18.8	
4	1.490	6	0.747	0.44	0.438	13.58	20.59	68060	68370	103210	103680	1.30	8.0	16.3	
5	1.056	5	0.628	0.31	0.310	9.19	14.85	65420	65420	105670	105670	1.00	8.0	12.5	
6	1.040	5	0.624	0.31	0.306	9.09	14.65	64690	65540	104210	105580	1.10	8.0	13.8	
7	0.673	4	0.502	0.20	0.198	5.96	8.87	65760	66430	97800	98780	1.10	8.0	13.8	
8	0.672	4	0.501	0.20	0.197	5.86	8.86	64640	65620	97680	99170	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 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 Twelve Samples Received and Tested

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

Zhang Jin,PM **Test Performed By:** **Dr. /Engr.** Nauman Khurram

CCECC Pakistan Branch Office.(IBC No: DASU-RAR-01 & DASU KKH-01)

Client Reference: DASUFIELD/KKH-01 & RAR-01/23-019 **SOM Lab Ref:** 3388 (Page-1/1)

Dated: 15-12-2023 **Dated:** 20-12-2023

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	2.574	8	0.981	0.79	0.756	25.18	34.91	70290	73450	97470	101850	1.20	8.0	15.0	
2	2.601	8	0.986	0.79	0.764	25.45	35.27	71060	73480	98470	101820	1.30	8.0	16.3	
3	1.466	6	0.741	0.44	0.431	14.80	19.57	74190	75740	98100	100150	1.30	8.0	16.3	
4	1.480	6	0.744	0.44	0.435	14.73	19.52	73830	74680	97850	98970	1.20	8.0	15.0	
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BEND TEST:

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

Faisal Bhatti **Test Performed By:** **Dr. /Engr.** Nauman Khurram

PM Const. Ittefaq Building Solution (Pvt)Ltd.(Mr.Chugtai House Lahore Cantt)

Client Reference: IBS **SOM Lab Ref:** 3389 (Page-1/1)

Dated: 20-12-2023 **Dated:** 20-12-2023

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	2.614	8	0.989	0.79	0.768	25.74	35.09	71860	73920	97950	100760	1.30	8.0	16.3	
2	2.622	8	0.991	0.79	0.771	25.81	34.98	72060	73830	97670	100080	1.20	8.0	15.0	
3	2.617	8	0.990	0.79	0.769	25.64	34.88	71570	73530	97380	100040	1.30	8.0	16.3	
4	1.483	6	0.745	0.44	0.436	14.14	20.61	70870	71520	103310	104260	1.20	8.0	15.0	
5	1.497	6	0.748	0.44	0.440	14.32	20.85	71790	71790	104490	104490	1.20	8.0	15.0	
6	1.482	6	0.745	0.44	0.436	14.12	20.71	70770	71420	103830	104780	1.30	8.0	16.3	
7	0.648	4	0.492	0.20	0.190	6.75	9.09	74420	78330	100270	105550	1.00	8.0	12.5	
8	0.646	4	0.492	0.20	0.190	6.57	9.04	72510	76320	99710	104960	1.00	8.0	12.5	
9	0.650	4	0.493	0.20	0.191	6.68	9.07	73630	77100	100050	104760	1.20	8.0	15.0	
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BEND TEST:

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

Note:-

Only Twelve Samples Received and Tested

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

Test Performed by: .S. Asad Ali Gillani

Abdul Rehman,Snr DPM
For Commanding Officer
21 Engineer Battalion FWO Camp
Lahore Cantt.(Light Pole- Lahore Sialkot Motorway)

Client Reference No.: 607/Gen/LSMP Dated: 24-11-2023

SOM Lab Ref: CED/SOM/3390-3391(Page 1/1) Dated: 20-12-2023

Test Type: Tensile Test

Sample Type: MS Sheet and Base Plate **Gauge Length:** 2 inches

Tensile Test Results

Sr. No.	Size of Steel strip (mm)	X Section Area (mm^2)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation	% Elongation
1	24.7 x 4.2 (MS Sheet)	103.74	36.7	46.2	353.76	445.34	0.60	30.0
2	25.2 x 4.1 (MS Sheet)	103.32	38.2	47.5	369.72	459.73	0.60	30.0
3	33.0 x 20.5 (Base Plate)	676.5	181.5	268.2	268.29	396.45	2.3	115.0

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