Arfan Nazir **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Manager Civil,Nishat Mills Ltd.Lahore. (Nishat Group) (S-J Re Rolling Steel Mills,Lahore)

Client Reference: NDF/SJST/001 **SOM Lab Ref:** 1001 (Page-1/1)

Dated: 29-09-2022 **Dated:** 30-09-2022

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

Guage Length: 200 mm **Sample Type:** MS 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.968	25	25.36	491	505	252.70	343.50	515	501	700	681	32.5	200	16.3	
2	3.927	25	25.24	491	500	250.70	352.20	511	502	717	704	35.0	200	17.5	
3	2.422	20	19.82	314	309	154.70	204.50	493	502	651	663	32.5	200	16.3	
4	2.448	20	19.93	314	312	153.00	205.20	487	491	654	659	30.0	200	15.0	
5	1.553	16	15.87	201	198	100.70	132.70	501	510	660	671	30.0	200	15.0	
6	1.563	16	15.92	201	199	98.70	129.30	491	496	643	650	27.5	200	13.8	
7	0.890	12	12.02	113	113	52.70	79.50	466	465	704	702	25.0	200	12.5	
8	0.892	12	12.03	113	114	53.00	79.70	469	467	705	702	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Arfan Nazir **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Manager Civil,Nishat Mills Ltd.Lahore. (Nishat Group) (Batala Premium Steel)

Client Reference: NDF/BST/001 **SOM Lab Ref:** 1003 (Page-1/1)

Dated: 29-09-2022 **Dated:** 30-09-2022

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

Guage Length: 200 mm **Sample Type:** MS 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.824	25	24.90	491	487	225.20	319.20	459	463	650	656	32.5	200	16.3	
2	3.838	25	24.95	491	489	221.70	316.20	452	454	644	647	35.0	200	17.5	
3	2.446	20	19.92	314	312	144.00	217.00	459	463	691	697	30.0	200	15.0	
4	2.432	20	19.86	314	310	145.20	212.20	462	469	676	686	30.0	200	15.0	
5	1.570	16	15.96	201	200	90.50	137.70	450	453	685	689	25.0	200	12.5	
6	1.580	16	16.01	201	201	91.70	136.70	456	456	680	680	27.5	200	13.8	
7	0.868	12	11.87	113	111	53.20	73.70	471	481	652	667	32.5	200	16.3	
8	0.866	12	11.85	113	110	53.50	73.50	473	486	650	667	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Muhammad Nadeem Bhatti,MP **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Projex(Engro Enfrashare).ID:ES2-DRK-06471,EC2-FSD-04631,EC2-MZG-06674,EC1-SKT-06469)

Client Reference: PCP/Eng-06 **Dated:** 10-06-2022

SOM Lab Ref: CED/SOM/1005(Page-1/2) **Dated:** 30-09-2022

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

Sample Type: M S 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	2.225	20	18.98	314	283	142.70	202.70	454	505	645	717	30.0	200	15.0	
2	1.547	16	15.84	201	197	94.20	137.50	469	478	684	698	25.0	200	12.5	
3	0.916	12	12.19	113	117	61.50	77.00	544	528	681	660	22.5	200	11.3	
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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

Muhammad Nadeem Bhatti,MP **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Projex(Engro Enfrashare).ID:ES2-UKT-06095,EN1-PSW-06794,EN1-PSW-06806,ES2-UBA-06364)

Client Reference: PCP/Eng-06 **Dated:** 10-06-2022

SOM Lab Ref: CED/SOM/1005(Page-2/2) **Dated:** 30-09-2022

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

Sample Type: M S 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	2.265	20	19.18	314	289	146.20	196.20	465	506	625	679	30.0	200	15.0	
2	1.548	16	15.85	201	197	93.70	134.00	466	476	666	680	25.0	200	12.5	
3	0.907	12	12.13	113	116	61.00	77.00	539	528	681	667	22.5	200	11.3	
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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

Mian Muhammad Saleem **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PM RFL Project,Banu Mukhtar Contracting(Pvt.) Ltd.(Roomi Fabric Ltd,QBP Sheikhupra)

Client Reference: Nil **Dated:** 30-09-2022

SOM Lab Ref: CED/SOM/1007(Page-1/2) **Dated:** 30-09-2022

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

Sample Type: MS Deformed Bar (Moiz 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	4.007	25	25.48	491	510	245.20	324.00	500	481	660	636	32.5	200	16.3	
2	4.035	25	25.58	491	514	247.50	328.20	504	482	669	639	37.5	200	18.8	
3	2.454	20	19.95	314	313	151.20	208.20	481	484	663	666	32.5	200	16.3	
4	2.455	20	19.95	314	313	149.20	210.00	475	478	668	672	32.5	200	16.3	
5	1.566	16	15.94	201	199	96.20	135.20	478	483	672	678	32.5	200	16.3	
6	1.615	16	16.18	201	206	99.00	138.20	492	482	687	672	35.0	200	17.5	
7	0.896	12	12.05	113	114	54.70	78.20	484	480	691	686	35.0	200	17.5	
8	0.882	12	11.96	113	112	53.20	77.00	470	474	681	686	32.5	200	16.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Mian Muhammad Saleem **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PM RFL Project,Banu Mukhtar Contracting(Pvt.) Ltd.(Roomi Fabric Ltd,QBP Sheikhupra)

Client Reference: Nil **Dated:** 30-09-2022

SOM Lab Ref: CED/SOM/1007(Page-2/2) **Dated:** 30-09-2022

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

Sample Type: MS Deformed Bar (Amreli 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	3.818	25	24.88	491	486	301.50	371.20	614	621	756	764	25.0	200	12.5	
2	3.830	25	24.92	491	488	301.00	368.70	613	617	751	756	27.5	200	13.8	
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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

Naveed Ahmad **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Asst Dir Lab DHA Bahawalpur Cantonment.(Sec-B,Residential Unit)(Myco Engg Const.)

Client Reference: 530/QC/MTL **SOM Lab Ref:** 1068 (Page-1/1)

Dated: 11-10-2022 **Dated:** 12-10-2022

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	1.462	6	0.740	0.44	0.430	13.91	20.59	69750	71370	103210	105610	1.30	8.0	16.3	
2	0.606	4	0.476	0.20	0.178	6.98	7.85	77000	86520	86560	97250	1.50	8.0	18.8	
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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

Note:-

Only Four Samples Received and Tested

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

Syed Mohsin Ali RE **Test Performed By:** **Dr. /Engr.** S Asad Ali Gillani

QA/QC Deptt.Bahria Town Lhr.(Strom Water drain at sector G Bahria Town Lahore)

Client Reference: QA/QC/Steel/2825 **SOM Lab Ref:** 1002 (Page-1/1)

Dated: 28-09-2022 **Dated:** 30-09-2022

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	1.472	6	0.743	0.44	0.433	13.61	18.45	68210	69320	92480	93980	1.30	8.0	16.3	
2	1.475	6	0.743	0.44	0.433	14.39	19.32	72150	73310	96830	98390	1.40	8.0	17.5	
3	0.668	4	0.500	0.20	0.196	6.03	8.10	66550	67910	89370	91190	1.20	8.0	15.0	
4	0.664	4	0.498	0.20	0.195	5.91	8.18	65200	66870	90150	92460	1.20	8.0	15.0	
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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

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

PM Baig Construction Co Lahore.(Const Of Jinnah Squair Mall Khyaban E Jinnah Road Lahore.)

Client Reference: CBT/UET/03 **SOM Lab Ref:** 1004 (Page-1/1)

Dated: 30-09-2022 **Dated:** 30-09-2022

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	0.656	4	0.496	0.20	0.193	6.17	9.12	68010	70480	100610	104260	1.10	8.0	13.8	
2	0.655	4	0.494	0.20	0.192	6.70	9.17	73850	76930	101170	105380	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

Asif Shahzad **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Astt Project Engr. Building Section DHA Gujranwala.(Const Of Office complex DHA Gwa)

Client Reference: 111/3/APE JV Bldgs/GEN/01 **SOM Lab Ref:** 1006 (Page-1/1)

Dated: 29-09-2022 **Dated:** 30-09-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AFCO 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	2.577	8	0.982	0.79	0.757	24.43	33.28	68220	71190	92920	96970	1.40	8.0	17.5	
2	2.539	8	0.975	0.79	0.746	25.94	33.84	72430	76700	94480	100050	1.20	8.0	15.0	
3	1.670	6	0.791	0.44	0.491	19.27	23.72	96570	86540	118900	106550	1.00	8.0	12.5	
4	1.677	6	0.792	0.44	0.493	19.67	24.26	98610	88010	121610	108530	1.00	8.0	12.5	
5	1.057	5	0.629	0.31	0.311	10.01	12.64	71220	70990	89930	89640	1.20	8.0	15.0	
6	1.055	5	0.628	0.31	0.310	10.21	12.86	72670	72670	91520	91520	1.10	8.0	13.8	
7	0.571	4	0.462	0.20	0.168	6.24	7.80	68800	81900	85990	102370	1.10	8.0	13.8	
8	0.581	4	0.467	0.20	0.171	6.01	7.41	66320	77570	81720	95580	1.00	8.0	12.5	
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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

Engr. Haseeb Afzal **Test Performed By:** **Dr. /Engr.** Nauman Khurram

PM HMB Devlopers Pvt Ltd.Lahore.(Commercial Tower FTC Lahore)

Client Reference: HMBDPL/S.O/09/22/30th(Lhr) **SOM Lab Ref:** 1008 (Page-1/1)

Dated: 30-09-2022 **Dated:** 30-09-2022

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	1.486	6	0.746	0.44	0.437	14.53	18.60	72810	73310	93250	93890	1.40	8.0	17.5	
2	1.481	6	0.744	0.44	0.435	14.53	18.27	72810	73650	91560	92620	1.40	8.0	17.5	
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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

Sub Divisional officer,
BSD Kasur.(Const Of Child Protection Unit One at Distt. Kasur)

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

Client Reference: 813/k
Dated: 26-09-2022

SOM Lab Ref: 1009 (Page-1/2)
Dated: 30-09-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	1.476	6	0.743	0.44	0.434	10.52	15.92	52730	53460	79810	80920	2.00	8.0	25.0	
2	1.483	6	0.745	0.44	0.436	10.55	15.77	52890	53370	79050	79770	2.00	8.0	25.0	
3	0.664	4	0.498	0.20	0.195	5.61	8.15	61830	63410	89930	92230	1.20	8.0	15.0	
4	0.667	4	0.500	0.20	0.196	5.61	8.23	61830	63090	90720	92570	1.40	8.0	17.5	
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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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

BSD Pattoki.(Const Of Additional Academic Block at Govt Degree College Pattoki For Boys)

Client Reference: 80/P **SOM Lab Ref:** 1009 (Page-2/2)

Dated: 26-09-2022 **Dated:** 30-09-2022

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	2.696	8	1.004	0.79	0.792	25.69	36.92	71720	71540	103080	102820	0.60	8.0	7.5	
2	2.685	8	1.002	0.79	0.789	24.67	35.75	68870	68960	99800	99930	0.10	8.0	1.3	
3	1.481	6	0.744	0.44	0.435	10.67	15.97	53500	54110	80070	80990	1.40	8.0	17.5	
4	1.487	6	0.746	0.44	0.437	10.72	16.26	53750	54120	81500	82060	1.50	8.0	18.8	
5	0.664	4	0.498	0.20	0.195	5.42	8.33	59800	61340	91840	94190	1.30	8.0	16.3	
6	0.659	4	0.497	0.20	0.194	5.56	9.07	61270	63160	100050	103140	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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