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

Asstt Dir (Maint) NHA, Wazirabad.(Const of Side Drain Ghakhar Urban Area)

Client Reference: Gen/DD(Maint)/WZD/NHA/2024/797 **SOM Lab Ref:** 4668(Page-1/1)

Dated: 20-08-2024 **Dated:** 22-08-2024

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

Guage Length: 200 mm **Sample Type:** MS Def 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	1.000	12	12.72	113	127	59.50	92.50	527	469	819	729	30.0	200	15.0	
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BEND TEST:

12mm	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

Muhammad Shafique,PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

CMEC Lhr.(Microwave Existing/New Tower,DG PAD,Solar and New Hut Foundation & New Hut Slab)

Client Reference: Nil **Dated:** 22-08-2024

SOM Lab Ref: CED/SOM/4672(Page-1/3) **Dated:** 22-08-2024

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

Sample Type: Deformed Bar (AF 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	0.988	12	12.67	113	126	62.20	85.00	550	494	752	675	30.0	200	15.0	
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BEND TEST:

12mm	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

Muhammad Shafique,PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

CMEC Lhr.(Microwave Existing/New Tower,DG PAD,Solar and New Hut Foundation & New Hut Slab)

Client Reference: Nil **Dated:** 22-08-2024

SOM Lab Ref: CED/SOM/4672(Page-2/3) **Dated:** 22-08-2024

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

Sample Type: Deformed Bar (AF 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	1.529	16	15.76	201	195	94.00	126.20	468	483	628	648	25.0	200	12.5	
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BEND TEST:

16mm	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

Muhammad Shafique,PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

CMEC Lhr.(Microwave Existing/New Tower,DG PAD,Solar and New Hut Foundation & New Hut Slab)

Client Reference: Nil **Dated:** 22-08-2024

SOM Lab Ref: CED/SOM/4672(Page-3/3) **Dated:** 22-08-2024

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

Sample Type: Deformed Bar (AF 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	2.269	20	19.18	314	289	130.70	197.00	416	453	627	682	32.5	200	16.3	
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BEND TEST:

20mm	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

Engr. Naveed Sadiq **Test Performed By:** **Dr. /Engr.** Nauman Khurram

RE Orbit Developers.Lahore.(The Springs Atrium,Gulberg Lahore)

Client Reference: Nil **SOM Lab Ref:** 4669 (Page-1/1)

Dated: 22-08-2024 **Dated:** 22-08-2024

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	2.616	8	0.990	0.79	0.769	23.36	34.37	65230	67010	95960	98580	1.30	8.0	16.3	
2	2.621	8	0.990	0.79	0.770	23.39	34.27	65310	67010	95680	98160	1.30	8.0	16.3	
3	1.518	6	0.754	0.44	0.446	15.31	19.90	76750	75710	99740	98400	1.20	8.0	15.0	
4	1.524	6	0.755	0.44	0.448	15.34	19.83	76900	75530	99380	97610	1.10	8.0	13.8	
5	0.665	4	0.498	0.20	0.195	5.83	8.89	64300	65950	98020	100530	1.00	8.0	12.5	
6	0.670	4	0.501	0.20	0.197	5.91	9.04	65200	66190	99710	101230	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
# 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

Rizwan Saleem, PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.(Const Of One Kanal House at 116 Shah Jamal Lahore)

Client Reference: RZ/116/2324 **SOM Lab Ref:** 4670 (Page-1/2)
Dated: 21-08-2024 **Dated:** 22-08-2024

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	0.650	4	0.493	0.20	0.191	3.13	4.20	34510	36140	46320	48500	1.50	8.0	18.8	
2	0.652	4	0.494	0.20	0.192	3.21	4.28	35410	36890	47210	49180	1.50	8.0	18.8	
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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

Rizwan Saleem, PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.(Const Of One Kanal House at 116-A Shah Jamal Lahore)

Client Reference: RZ/116A/2325 **SOM Lab Ref:** 4670 (Page-2/2)
Dated: 21-08-2024 **Dated:** 22-08-2024

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	0.656	4	0.496	0.20	0.193	3.84	5.32	42380	43920	58680	60810	1.60	8.0	20.0	
2	0.667	4	0.500	0.20	0.196	4.56	5.78	50250	51280	63740	65040	1.70	8.0	21.3	
3	0.667	4	0.500	0.20	0.196	3.87	5.32	42720	43590	58680	59880	1.90	8.0	23.8	
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BEND TEST:

# 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

Ramiz Khan, TE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

THE INSPECTIANS.(RCC Structure of Rawalpindi Cricket Statium Building in Rawalpindi)

Client Reference: TI-UET-AUG-24-13 **SOM Lab Ref:** 4671 (Page-1/1)

Dated: 22-07-2024 **Dated:** 22-08-2024

Test: Tension Test & Bend Test **Test Specification:** BS-4449

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	1.406	6	0.725	0.44	0.413	10.91	17.40	54670	58250	87220	92920	1.20	8.0	15.0	Beam
2	1.399	6	0.723	0.44	0.411	10.98	17.38	55030	58910	87120	93270	1.40	8.0	17.5	Beam
3	1.420	6	0.729	0.44	0.417	10.88	17.33	54520	57530	86860	91650	1.10	8.0	13.8	Beam
4	0.676	4	0.503	0.20	0.199	5.96	8.48	65760	66090	93530	94000	1.20	8.0	15.0	Slab
5	0.675	4	0.502	0.20	0.198	5.98	8.46	65990	66650	93300	94240	1.30	8.0	16.3	Slab
6	0.667	4	0.500	0.20	0.196	5.86	8.41	64640	65960	92740	94630	1.60	8.0	20.0	Slab
7	0.659	4	0.497	0.20	0.194	5.07	7.26	55870	57600	80040	82510	1.00	8.0	12.5	Slab
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BEND TEST:

--	No Bend test performed

Note:-

Only Seven Samples Received and Tested

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

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

Lahore.(Project Descon 18-Km Lahore-Kasur Road,Sufiabad,Lahore)

Client Reference: I AA-131255 **SOM Lab Ref:** 4673 (Page-1/1)

Dated: 21-08-2024 **Dated:** 22-08-2024

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	0.667	4	0.500	0.20	0.196	6.17	8.48	68010	69400	93530	95430	1.20	8.0	15.0	
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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