Engr.Ejaz Ali Bukhari,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

ACC Site Office KPDI.(Const Of Kot Pindi Das Interchange On Lahore-Islamabad Motorway M-2)

Client Reference: KPD/QAI/RE/23/142 **Dated:** 19-08-2024

SOM Lab Ref: CED/SOM/4650(Page-1/1) **Dated:** 19-08-2024

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	0.887	12	12.00	113	113	59.50	85.70	526	527	758	759	27.5	200	13.8	
2	0.883	12	11.97	113	112	54.70	85.20	484	487	753	758	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

Ather Saeed,
Cost Control Engineer Sufi City.(Const of Sufi City Housing Society,Mandi Bahaud Din)

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

Client Reference: SUFI/2024/CE/11
Dated: 16-08-2024

SOM Lab Ref: 4645 (Page-1/1)
Dated: 19-08-2024

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	2.760	8	1.016	0.79	0.811	23.92	37.61	66790	65060	105010	102290	1.30	8.0	16.3	
2	2.748	8	1.014	0.79	0.808	23.19	37.07	64740	63300	103500	101200	1.30	8.0	16.3	
3	1.449	6	0.736	0.44	0.426	12.28	19.47	61570	63600	97590	100800	1.40	8.0	17.5	
4	1.455	6	0.738	0.44	0.428	12.28	19.59	61570	63300	98210	100960	1.50	8.0	18.8	
5	0.660	4	0.497	0.20	0.194	5.76	9.17	63510	65480	101170	104300	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	5.76	9.19	63510	64810	101390	103460	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
# 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

Meezan Developers **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.(Const Of Jamia Tur Rasheed Lahore Campus)

Client Reference: Nil **SOM Lab Ref:** 4646 (Page-1/1)
Dated: 19-08-2024 **Dated:** 19-08-2024

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	1.520	6	0.754	0.44	0.447	13.76	17.94	68980	67900	89930	88520	1.50	8.0	18.8	
2	1.522	6	0.754	0.44	0.447	13.71	17.99	68730	67650	90180	88770	1.50	8.0	18.8	
3	0.671	4	0.501	0.20	0.197	6.85	8.51	75540	76690	93860	95290	1.20	8.0	15.0	
4	0.667	4	0.500	0.20	0.196	6.65	8.31	73290	74790	91610	93480	1.00	8.0	12.5	
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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

Engr.M.Imran, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Master Consulting Engineers.(7-Storey Residential Block Having Min 100 Rooms Facilities at NNS)

Client Reference: NKB/RE/MCE/STEEL/08 **SOM Lab Ref:** 4647 (Page-1/1)

Dated: 19-08-2024 **Dated:** 19-08-2024

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	1.523	6	0.755	0.44	0.448	15.14	20.15	75880	74520	101020	99210	1.20	8.0	15.0	
2	1.511	6	0.752	0.44	0.444	14.53	19.75	72810	72160	98970	98080	1.10	8.0	13.8	
3	1.035	5	0.622	0.31	0.304	12.03	14.60	85580	87270	103850	105900	1.00	8.0	12.5	
4	1.033	5	0.622	0.31	0.304	12.44	14.90	88480	90220	106030	108120	1.00	8.0	12.5	
5	0.672	4	0.501	0.20	0.197	6.54	9.09	72170	73270	100270	101800	1.00	8.0	12.5	
6	0.671	4	0.501	0.20	0.197	6.73	9.17	74190	75320	101170	102710	1.00	8.0	12.5	
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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

Dr. Khalil Ahmad
PM PHCIP Lahore.(Burial Pit Construction)

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

Client Reference: PIU-H/PHCIP/PM/685/2024
Dated: 30-07-2024

SOM Lab Ref: 4648 (Page-1/1)
Dated: 19-08-2024

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	0.670	4	0.501	0.20	0.197	6.24	8.72	68800	69840	96110	97570	1.10	8.0	13.8	
2	0.670	4	0.501	0.20	0.197	6.37	8.74	70260	71330	96340	97800	1.10	8.0	13.8	
3	0.667	4	0.500	0.20	0.196	6.34	8.74	69920	71350	96340	98300	1.20	8.0	15.0	
4	0.670	4	0.501	0.20	0.197	6.27	8.72	69130	70190	96110	97570	1.20	8.0	15.0	
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BEND TEST:

# 4	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

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

PM HMB Developers Pvt Ltd. Lahore (Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/08/24/125(LHR) **SOM Lab Ref:** 4649 (Page-1/1)

Dated: 19-08-2024 **Dated:** 19-08-2024

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	2.624	8	0.991	0.79	0.771	30.28	37.58	84520	86600	104930	107510	1.30	8.0	16.3	DO#9402
2	2.701	8	1.005	0.79	0.794	29.26	36.77	81680	81260	102650	102130	1.40	8.0	17.5	DO#9402
3	1.507	6	0.751	0.44	0.443	15.57	18.62	78020	77500	93350	92720	1.10	8.0	13.8	DO#9402
4	1.527	6	0.756	0.44	0.449	16.67	19.27	83540	81870	96570	94640	1.20	8.0	15.0	DO#9402
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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

Riaz Costruction Company
Lahore.(TCF High School, Pindi Geb)

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

Client Reference: Nil
Dated: 19-08-2024

SOM Lab Ref: 4651 (Page-1/1)
Dated: 19-08-2024

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	1.566	6	0.765	0.44	0.460	14.12	17.48	70770	67690	87630	83820	1.20	8.0	15.0	
2	0.673	4	0.502	0.20	0.198	7.05	8.58	77790	78570	94650	95610	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 Four Samples Received and Tested

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

Muhammad Hassan Khan, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Lhr.(Construction of Bridge and Approach Rd Across BRB Canal Near Hudiara Village Lhr)

Client Reference: 3772/103/ADP/MHK/BRB/18 **SOM Lab Ref:** 4652 (Page-1/1)

Dated: 13-08-2024 **Dated:** 19-08-2024

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	2.603	8	0.987	0.79	0.765	28.34	36.26	79120	81700	101230	104530	1.40	8.0	17.5	
2	2.629	8	0.992	0.79	0.773	28.24	36.00	78830	80560	100510	102720	1.40	8.0	17.5	
3	1.488	6	0.746	0.44	0.437	14.80	19.18	74190	74700	96160	96820	1.50	8.0	18.8	
4	1.479	6	0.744	0.44	0.435	14.80	19.13	74190	75040	95910	97010	1.30	8.0	16.3	
5	0.670	4	0.501	0.20	0.197	5.58	8.41	61490	62430	92740	94150	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	5.68	8.43	62610	63570	92960	94380	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