

I. H ZARRAR

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Engineering Design Bureau.(100M NTDC Tower at SR623, 132KV Grid Station,AMRI)

Client Reference: EDB/68

SOM Lab Ref:

348 (P-1/8)

Dated: 10-12-2024

Dated:

10-12-2024

Test: Tension Test

Test Specification:

ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.518	16	15.68	201	193	97.70	140.00	486	507	697	726	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

I. H ZARRAR

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

Engineering Design Bureau.(995M NTDC Tower at SR245, 132KV Grid Station,RATODERO)

Client Reference: EDB/71

SOM Lab Ref: 348 (P-2/8)

Dated: 10-12-2024

Dated: 10-12-2024

Test: Tension Test

Test Specification: ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.475	16	15.47	201	188	72.70	101.50	362	387	505	540	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

I. H ZARRAR

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Engineering Design Bureau.(100M NTDC Tower at SR621, Khairpur Nathan Shah Dadu)

Client Reference: EDB/74

SOM Lab Ref:

348 (P-4/8)

Dated: 10-12-2024

Dated:

10-12-2024

Test: Tension Test

Test Specification:

ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.889	25	25.11	491	495	184.00	261.50	375	372	533	529	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

I. H ZARRAR

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Engineering Design Bureau.(80M NTDC Tower at SR047, 132 KV Grid Station Dadu)

Client Reference: EDB/72

SOM Lab Ref:

348 (P-3/8)

Dated: 10-12-2024

Dated:

10-12-2024

Test: Tension Test

Test Specification:

ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.836	25	24.95	491	489	166.50	221.70	339	341	452	454	12.5	200	6.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

I. H ZARRAR

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

Engineering Design Bureau.(100M NTDC Tower at SR601, 132 KV Grid Station Kandhkot)

Client Reference: EDB/73

SOM Lab Ref: 348 (P-5/8)

Dated: 10-12-2024

Dated: 10-12-2024

Test: Tension Test

Test Specification: ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.924	25	25.23	491	500	196.70	294.00	401	394	599	588	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

I. H ZARRAR

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Engineering Design Bureau.(90M NTDC Tower at SR142, 132 KV Grid Station Kashmor)

Client Reference: EDB/70

SOM Lab Ref:

348 (P-6/8)

Dated: 10-12-2024

Dated:

10-12-2024

Test: Tension Test

Test Specification:

ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.835	25	24.93	491	488	185.70	259.50	378	381	529	532	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

I. H ZARRAR

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Engineering Design Bureau.(80M NTDC Tower at SR620, 132 KV Grid Station Larkana Rd Warah)

Client Reference: EDB/69

SOM Lab Ref:

348 (P-7/8)

Dated: 10-12-2024

Dated:

10-12-2024

Test: Tension Test

Test Specification:

ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.814	25	24.88	491	486	328.20	431.70	668	676	879	889	15.0	200	7.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

I. H ZARRAR

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Engineering Design Bureau.(60M NTDC Tower at SR619, 132 KV Grid Station Kambar)

Client Reference: EDB/75

SOM Lab Ref:

348 (P-8/8)

Dated: 10-12-2024

Dated:

10-12-2024

Test: Tension Test

Test Specification:

ASTM-A706

Guage Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.862	25	25.03	491	492	221.00	387.70	450	450	790	789	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Mohsin Baig
 Manager Procurement Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/TEST/011

Dated: 10-12-2024

SOM Lab Ref: CED/SOM/341 (Page-1/1)

Dated: 10-12-2024

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	0.868	12	11.89	113	111	53.70	81.00	475	484	716	730	22.5	200	11.3	
2	0.865	12	11.85	113	110	53.00	79.00	469	481	699	717	27.5	200	13.8	
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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

Sameer Ahmad

Test Performed By:

Dr. /Engr.

Wasim Abbas

Sr, Site Engineer Amanah Estate Pvt Ltd. (Const Of Amanah Tower ,Adda Plot, Lahore.

Client Reference: Nil

SOM Lab

Ref:

342 (Page-1/1)

Dated: Nil

Dated:

10-12-2024

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	2.706	8	1.006	0.79	0.795	24.03	34.12	67080	66660	95250	94650	1.50	8.0	18.8	
2	1.485	6	0.745	0.44	0.436	9.65	14.21	48390	48830	71230	71880	1.20	8.0	15.0	
3	0.664	4	0.498	0.20	0.195	6.19	7.87	68230	69980	86780	89010	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Kashif Mahmood, AE

Test Performed By:

Dr. /Engr.

Wasim Abbas

IT University of Punjab.(Const of Multi-Purpose Buiding at Main Campus Barki Road Lahore)

Client Reference: ITU/OEW/24/389

SOM Lab

Ref:

343 (Page-1/1)

Dated: 06-12-2024

Dated:

10-12-2024

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	2.625	8	0.991	0.79	0.771	24.43	33.81	68220	69900	94400	96720	1.20	8.0	15.0	
2	2.739	8	1.012	0.79	0.805	28.82	38.99	80450	78950	108850	106820	1.10	8.0	13.8	
3	1.460	6	0.739	0.44	0.429	14.55	19.08	72910	74780	95650	98100	1.10	8.0	13.8	
4	1.469	6	0.742	0.44	0.432	15.62	20.59	78280	79730	103210	105120	1.10	8.0	13.8	
5	0.665	4	0.498	0.20	0.195	6.68	8.87	73630	75520	97800	100300	1.10	8.0	13.8	
6	0.668	4	0.500	0.20	0.196	6.60	8.79	72730	74210	96900	98880	1.10	8.0	13.8	
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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

Khurram Shahzad
Lahore.(Project: Ali Trade Center Lahore)

Test Performed By: Dr. /Engr. Kashif

Client Reference: Nil

SOM Lab

Ref: 346 (Page-1/1)

Dated: 10-12-2024

Dated: 10-12-2024

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	0.669	4	0.501	0.20	0.197	7.00	8.97	77230	78400	98920	100430	1.10	8.0	13.8	
2	0.673	4	0.502	0.20	0.198	6.93	8.77	76440	77210	96670	97650	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

Muhammad Shabbir Sandhu

Test Performed By: Dr. /Engr. Wasim Abbas

NESPAK,EPCM Consultants Swl.(Trunk Main Sewer Lines &Allied Works)(NCB-Works/PICIIP-03)

Client Reference: 3976/11/MSS/SWL/Lot-02/01/730

SOM Lab

Ref: 347 (Page-1/2)

Dated: 30-11-2024

Dated: 10-12-2024

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	0.665	4	0.498	0.20	0.195	6.44	8.61	71040	72870	94990	97420	1.30	8.0	16.3	
2	0.666	4	0.500	0.20	0.196	6.47	8.61	71380	72840	94990	96930	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

Muhammad Shabbir Sandhu

Test Performed By: Dr. /Engr. Wasim Abbas

NESPAK,EPCM Swl.(Trunk M/Sewer Conduit,Effluent P/S&Allied Works)(NCB-Works/PICIIP-03)

Client Reference: 3976/11/MSS/SWL/Lot-03/01/715

SOM Lab

Ref: 347 (Page-2/2)

Dated: 30-11-2024

Dated: 10-12-2024

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	2.659	8	0.997	0.79	0.781	24.43	34.10	68220	69000	95190	96290	1.50	8.0	18.8	
2	2.658	8	0.997	0.79	0.781	24.31	34.02	67870	68660	94970	96060	1.50	8.0	18.8	
3	1.475	6	0.743	0.44	0.433	15.67	19.37	78530	79800	97080	98650	1.40	8.0	17.5	
4	1.476	6	0.743	0.44	0.434	15.72	19.62	78790	79880	98360	99720	1.30	8.0	16.3	
5	0.664	4	0.498	0.20	0.195	6.47	8.61	71380	73210	94990	97420	1.30	8.0	16.3	
6	0.666	4	0.500	0.20	0.196	6.44	8.61	71040	72490	94990	96930	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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