

Engr. Farrukh Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy. General Manager Works.Habib Rafiq Engineering (Pvt.) Ltd.(101 Tower,Lahore)

Client Reference: HRLE/SKG/2024/Kamran/21.845/184

SOM Lab Ref:

480 (P-1/1)

Dated: 31-12-2024

Dated:

31-12-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

Deformed Bar (Kamran 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.857	12	11.78	113	109	52.70	71.20	466	484	630	654	25.0	200	12.5	
2	0.875	12	11.91	113	111	55.20	72.70	488	496	643	653	27.5	200	13.8	
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Witnessed By: M. Irfan (QC Engr/HRL), Najam Shabbir Khan(Site Engineer,101 Group)

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

CM Engineering (Pvt) Ltd

Test Performed By: Dr. /Engr. Nauman Khurram

Lhr.(Project Tawal Site ID:TWP(MLT0003,04,01-MZG0003-TTS0003-VRH0001-KRP0001-LDR0001)

Client Reference: CME/Steel/TAWL/401

SOM Lab Ref: 481 (P-1/1)

Dated: 15-12-2024

Dated: 31-12-2024

Test: Tension Test

Test Specification: ASTM-A-615

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	1.600	16	16.12	201	204	99.70	132.00	496	489	657	648	32.5	200	16.3	
2	0.993	12	12.69	113	127	65.50	86.50	580	518	765	684	27.5	200	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Mehmood Iqbal Asghar,RE

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

Nespaq-Turk Pak JV.(Estb Of 200 Bedded Mother &Child Hospital & Nursing College at Distt Bwn)

Client Reference: 4460/13/MIA/04/436

SOM Lab Ref: 485 (P-1/1)

Dated: 30-12-2024

Dated: 31-12-2024

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.580	16	16.00	201	201	108.50	141.50	540	540	704	704	32.5	200	16.3	
2	1.579	16	16.00	201	201	108.00	140.00	537	538	697	697	30.0	200	15.0	
3	0.964	12	12.51	113	123	64.70	83.70	573	527	741	682	30.0	200	15.0	
4	0.961	12	12.49	113	122	65.00	84.20	575	531	745	688	27.5	200	13.8	
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Witnessed By: Ishtiaq Ahmad (ARE,Civil)

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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

Waqas Ahmed Ghumman,PM
High-Q Constructions Lhr.(Const Of High-Q Tower at CBD Lahore)

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: QC/HQ-CBD/CIVIL/004

Dated: 31-12-2024

SOM Lab Ref: CED/SOM/487 (Page-1/1)

Dated: 31-12-2024

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	3.949	25	25.31	491	503	234.50	325.00	478	467	662	647	37.5	200	18.8	
2	3.987	25	25.43	491	508	272.00	349.00	554	536	711	688	35.0	200	17.5	
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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

Engr. Ali H.K Bangash
 Director Engineering Project Classic International Islamabad.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

Dated: Nil

SOM Lab Ref: CED/SOM/478 (Page-1/2)

Dated: 31-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 36

Sample Type: Plain Bar (Steel 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	1.550	16	15.88	201	198	119.70	146.70	595	605	730	741	10.0	200	5.0	
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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

Engr. Ali H.K Bangash
 Director Engineering Project Classic International Islamabad.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 478 (Page-2/2)

Dated: Nil

Dated: 31-12-2024

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	0.639	4	0.489	0.20	0.188	4.86	7.29	53620	57040	80370	85500	1.50	8.0	18.8	
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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

Babar Ali

Test Performed By:

Dr. /Engr.

Nauman Khurram

For Enplan (Pvt) Ltd.Lahore.(Const Of Corporate Tower at 15-Ali Block New Garden Town Lahore)

Client Reference: Nil

SOM Lab

Ref: 479 (Page-1/1)

Dated: 30-12-2024

Dated: 31-12-2024

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	2.605	8	0.988	0.79	0.766	21.05	34.42	58770	60610	96100	99110	1.50	8.0	18.8	
2	2.605	8	0.988	0.79	0.766	20.97	34.10	58540	60370	95190	98180	1.40	8.0	17.5	
3	1.476	6	0.743	0.44	0.434	13.10	20.49	65660	66570	102700	104120	1.40	8.0	17.5	
4	1.482	6	0.745	0.44	0.436	12.61	19.34	63210	63790	96930	97820	1.50	8.0	18.8	
5	0.657	4	0.496	0.20	0.193	5.58	8.74	61490	63720	96340	99830	1.30	8.0	16.3	
6	0.656	4	0.496	0.20	0.193	5.56	8.72	61270	63490	96110	99600	1.20	8.0	15.0	
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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

Mukhtar Ahmad Sabir,PM

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

NETRACON Tech.Lhr.(Const Of New 132KV GIS Station,with 2 No.31.5/40MVA P/Transformers)

Client Reference: NTT-HO/DHA-BHW/0028

SOM Lab

Ref: 482 (Page-1/1)

Dated: 26-12-2024

Dated: 31-12-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	2.644	8	0.995	0.79	0.777	26.91	36.51	75130	76390	101940	103640	1.20	8.0	15.0	
2	2.631	8	0.992	0.79	0.773	24.97	34.40	69720	71260	96050	98160	1.30	8.0	16.3	
3	1.512	6	0.752	0.44	0.444	16.18	21.30	81090	80360	106790	105830	1.00	8.0	12.5	
4	1.497	6	0.748	0.44	0.440	14.27	19.69	71540	71540	98720	98720	1.20	8.0	15.0	
5	0.643	4	0.491	0.20	0.189	6.65	8.87	73290	77560	97800	103490	1.20	8.0	15.0	
6	0.644	4	0.491	0.20	0.189	6.60	8.77	72730	76960	96670	102300	1.00	8.0	12.5	
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Witnessed By: M. Saeed Qureshi (Project Leader,Unison Consultant)

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

Rana Mohammad Haris
Nimir Chem Coats Ltd. Lahore.(Askari Shoes Factory Project)

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: Nil

SOM Lab

Ref: 483 (Page-1/1)

Dated: 31-12-2024

Dated: 31-12-2024

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	1.508	6	0.751	0.44	0.443	15.77	19.80	79050	78510	99230	98560	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 6	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

Shabbir Ahmed,RE

Test Performed By:

Dr. /Engr. Irfan UI Hassan

Nespak Taunsa.(Punjab Rural Municipa Services Company,PRSWSSP Tehsil Taunsa Pkg-I)

Client Reference: NESPAK/PRSWSSP/TAUNSA/RE/458

SOM Lab

Ref: 484 (Page-1/1)

Dated: 26-12-2024

Dated: 31-12-2024

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	2.662	8	0.998	0.79	0.782	23.65	38.50	66020	66700	107490	108590	1.30	8.0	16.3	Taibah
2	2.660	8	0.998	0.79	0.782	23.21	37.58	64800	65460	104930	106000	1.30	8.0	16.3	Taibah
3	0.664	4	0.498	0.20	0.195	5.73	8.92	63180	64800	98360	100880	1.20	8.0	15.0	Rajput
4	0.663	4	0.498	0.20	0.195	6.14	9.48	67670	69410	104540	107220	1.20	8.0	15.0	Rajput
5	0.657	4	0.496	0.20	0.193	5.83	9.09	64300	66630	100270	103910	1.20	8.0	15.0	Alpha
6	0.663	4	0.498	0.20	0.195	5.76	9.04	63510	65140	99710	102260	1.30	8.0	16.3	Alpha
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 4	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

Imran Iftikhar, AEE

Test Performed By: Dr. /Engr. Irfan UI Hassan

CCD-1 Pak.PWD Lhr.(Const Of Additional School B/Wall and C/Rooms at Bhagiana Khurd P/School)

Client Reference: AEE-I/CCD-I/LHR/207

SOM Lab

Ref: 486 (Page-1/1)

Dated: 15-05-2024

Dated: 31-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Def Bar (Ground Floor)

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	1.513	6	0.753	0.44	0.445	15.62	19.88	78280	77400	99640	98520	1.40	8.0	17.5	
2	1.510	6	0.752	0.44	0.444	16.21	20.29	81240	80510	101680	100760	1.50	8.0	18.8	
3	0.583	4	0.467	0.20	0.171	5.91	7.41	65200	76260	81720	95580	1.00	8.0	12.5	
4	0.583	4	0.467	0.20	0.171	6.12	7.67	67450	78890	84530	98870	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 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