

Engr. Shahid R.Zaidi

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Project Manager, CCECC MATRACON - HABIB Joint Venture

Client Reference: AIAP/CCECC-MATRACON-HABIB JV/2021/504

Dated: 21-05-2021

SOM Lab Ref: CED/SOM/4691 (Page-1/1)

Dated: 14-07-2021

Test: Tension Test & Bend Test

Test Specification: BS-4449

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	0.880	12	11.94	113	112	56.00	78.70	495	500	696	703	30.0	200	15.0	
2	0.876	12	11.92	113	112	55.20	77.70	488	495	687	697	27.5	200	13.8	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Maqsood Ahmad

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Coordinator, Banu Mukhtar Contracting (Pvt) Ltd., (Project: Ultra Kraft (Pvt) Ltd.

Client Reference: BML/003

SOM Lab

Ref:

4679(Page-1/1)

Dated: 06-07-2021

Dated:

14-07-2021

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	1.446	6	0.736	0.44	0.425	12.18	16.74	61060	63220	83900	86860	1.60	8.0	20.0	
2	1.436	6	0.733	0.44	0.422	12.23	16.77	61320	63930	84050	87640	1.40	8.0	17.5	
3	0.670	4	0.501	0.20	0.197	6.07	7.89	66890	67900	87010	88330	1.20	8.0	15.0	
4	0.663	4	0.498	0.20	0.195	6.01	8.02	66320	68020	88470	90740	1.10	8.0	13.8	
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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

Ahmed Ejaz
Quantity Surveyor, LINKER, Lahore

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

Client Reference: nil
Dated: 12-07-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 4680(Page-1/1)
Dated: 14-07-2021
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	1.031	5	0.621	0.31	0.303	9.30	14.04	66140	67670	99860	102170	1.40	8.0	17.5	
2	0.613	4	0.479	0.20	0.180	5.98	7.77	65990	73320	85660	95170	1.00	8.0	12.5	
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BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Khalid Mahmood

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Resident Engineer, NESPAK JV Turk Pak, Project: Establishment of D G Khan Institute of Cardiology

Client Reference: 4161/RE/SFMKB/DGK/405

SOM Lab Ref: 4681(Page-1/1)

Dated: 09-07-2021

Dated: 14-07-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Kamran & Ittehad 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	2.611	8	0.988	0.79	0.767	24.16	33.13	67450	69470	92490	95260	1.40	8.0	17.5	Kamran
2	2.611	8	0.988	0.79	0.767	24.23	32.79	67650	69680	91550	94300	1.40	8.0	17.5	Kamran
3	1.480	6	0.744	0.44	0.435	12.10	16.59	60650	61350	83130	84090	1.50	8.0	18.8	Ittehad
4	1.487	6	0.746	0.44	0.437	13.46	18.76	67450	67910	94020	94660	1.40	8.0	17.5	Ittehad
5	1.526	6	0.755	0.44	0.448	15.70	19.44	78690	77280	97440	95700	1.30	8.0	16.3	Kamran
6	1.485	6	0.745	0.44	0.436	13.97	18.42	70000	70640	92330	93180	1.30	8.0	16.3	Kamran
7	0.673	4	0.502	0.20	0.198	5.76	8.72	63510	64160	96110	97080	1.50	8.0	18.8	Ittehad
8	0.674	4	0.502	0.20	0.198	5.71	8.74	62950	63590	96340	97310	1.50	8.0	18.8	Ittehad
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. Bilal Yaqoob Virk.

Test Performed By:

Dr. /Engr.

Nauman Khurram

Asstt. Executive Engineer-II, CCD. PAK PWD, Gujranwala

Client Reference: AEE-II/CCD/GA/Work/NHMP/P-I/LAB/77

SOM Lab

Ref:

4682(Page-1/1)

Dated: 21-06-2021

Dated:

14-07-2021

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	28.77	36.87	80310	82500	102930	105740	1.30	8.0	16.3	
2	2.565	8	0.980	0.79	0.754	28.21	33.59	78750	82500	93770	98250	1.40	8.0	17.5	
3	1.403	6	0.724	0.44	0.412	13.20	21.00	66170	70670	105260	112410	1.20	8.0	15.0	
4	1.498	6	0.748	0.44	0.440	16.13	20.05	80830	80830	100500	100500	1.30	8.0	16.3	
5	0.663	4	0.498	0.20	0.195	7.16	8.69	78910	80940	95770	98230	1.10	8.0	13.8	
6	0.660	4	0.497	0.20	0.194	7.41	8.87	81720	84250	97800	100820	1.10	8.0	13.8	
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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

Resident Engineer,
 PICIIP Sahiwal, NESPAK (Pvt) Ltd., 73-A W, Block Farid Town Sahiwal.

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 3976/11/MT/Lot-2/147

Dated: 12-07-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4685(Page-1/1)

Dated: 14-07-2021

ASTM-A-615

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	6.83	8.66	75320	78860	95550	100050	1.00	8.0	12.5	
2	0.656	4	0.496	0.20	0.193	5.71	8.77	62950	65230	96670	100180	1.30	8.0	16.3	
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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

Engr. Naveed Sadiq
Resident Engineer, Orbit Developers Private Limited, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 14-07-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4686(Page-1/1)

Dated: 14-07-2021

ASTM-A-615

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	2.681	8	1.002	0.79	0.788	25.71	37.10	71770	71960	103590	103850	1.10	8.0	13.8	
2	2.683	8	1.002	0.79	0.788	25.18	36.70	70290	70470	102450	102710	1.20	8.0	15.0	
3	0.651	4	0.493	0.20	0.191	6.09	8.63	67110	70270	95210	99700	1.10	8.0	13.8	
4	0.661	4	0.497	0.20	0.194	6.44	8.94	71040	73240	98580	101630	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
# 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

Wasif Manzoor

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Salman Developers, 8-E/III Gulberge-III, Lahore (Project: Grand Square Mall)

Client Reference: nil

SOM Lab

4687(Page-

Ref:

1/1)

Dated: 14-07-2021

Dated:

14-07-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage 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	2.617	8	0.990	0.79	0.769	28.21	33.97	78750	80900	94820	97410	1.00	8.0	12.5	
2	2.614	8	0.989	0.79	0.768	28.95	34.42	80820	83140	96100	98860	1.00	8.0	12.5	
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BEND TEST:

# 8	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

Takbeer Tpwer
Mecload Road Lahore

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

Client Reference: nil

SOM Lab 4684,4688(Page-

Dated: 14-07-2021

Ref: 1/1)

Dated: 14-07-2021

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	2.623	8	0.991	0.79	0.771	23.24	32.23	64890	66490	89990	92200	1.40	8.0	17.5	
2	1.498	6	0.748	0.44	0.440	14.48	18.62	72560	72560	93350	93350	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: IHPL/Steel/0103

Dated: 13-07-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4690(Page-1/3)

Dated: 14-07-2021

ASTM-A-615

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	0.657	4	0.496	0.20	0.193	6.93	9.23	76440	79210	101730	105420	0.90	8.0	11.3	
2	0.658	4	0.496	0.20	0.193	7.00	9.35	77230	80030	103080	106820	0.90	8.0	11.3	
3	0.654	4	0.494	0.20	0.192	7.03	9.53	77560	80800	105100	109480	0.90	8.0	11.3	
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Witnessed By: Rafi Ullah (IHPL) & Ali Hasnain Khan, Jr. Planing Engineer, Kingcrete Builders.

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: IHPL/Steel/0101

Dated: 13-07-2021

SOM Lab

Ref: 4690(Page-2/3)

Dated: 14-07-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

ASTM-A-615

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	1.480	6	0.744	0.44	0.435	14.42	18.98	72300	73130	95140	96230	1.10	8.0	13.8	
2	1.476	6	0.743	0.44	0.434	13.74	18.78	68880	69830	94120	95420	1.00	8.0	12.5	
3	1.472	6	0.743	0.44	0.433	13.71	18.86	68730	69840	94530	96060	1.10	8.0	13.8	
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Witnessed By: Rafi Ullah (IHPL) & Ali Hasnain Khan, Jr. Planing Engineer, Kingcrete Builders.

BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL/Steel/0102

SOM Lab

Ref: 4690(Page-3/3)

Dated: 13-07-2021

Dated: 14-07-2021

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	2.683	8	1.002	0.79	0.788	27.59	35.49	77040	77230	99090	99340	1.20	8.0	15.0	
2	2.678	8	1.001	0.79	0.787	28.72	36.16	80170	80470	100940	101330	1.50	8.0	18.8	
3	2.604	8	0.987	0.79	0.765	28.08	36.56	78400	80970	102080	105420	1.30	8.0	16.3	
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Witnessed By: Rafi Ullah (IHPL) & Ali Hasnain Khan, Jr. Planing Engineer, Kingcrete Builders.

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five Samples Received and Tested
# 8	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

Engr. Javed Asad
Chief Resident Engineer JIP Consultants,

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

Client Reference: JIPIC/TECH/CRE/274

SOM Lab

Ref: 4692(Page-1/1)

Dated: 13-07-2021

Dated: 14-07-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Nomee 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	1.050	5	0.627	0.31	0.309	8.99	13.81	63970	64170	98270	98590	1.30	8.0	16.3	
2	1.048	5	0.626	0.31	0.308	8.92	13.86	63460	63870	98630	99270	1.40	8.0	17.5	
3	0.680	4	0.505	0.20	0.200	6.09	9.30	67110	67110	102520	102520	1.10	8.0	13.8	
4	0.686	4	0.507	0.20	0.202	6.12	9.30	67450	66780	102520	101500	1.10	8.0	13.8	
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BEND TEST:

# 5	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