

Resident Engineer/Team Leader

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Prime Engineering Consultancy, Kallurkot Bidge Project

Client Reference: KK-DIK-BR-PJ/2019/050

Dated: 04-09-2019

SOM Lab Ref: CED/SOM/1352(Page-1/2)

Dated: 05-09-2019

Test: Tension Test & bend Test

Test Specification:

ASTM-A 615

Sample Type: Deformed Bar(Abbas 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	0.859	12	11.78	113	109	66.50	77.50	588	611	685	712	25.0	200	12.5	
2	0.865	12	11.85	113	110	66.00	77.20	584	599	683	701	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

Resident Engineer/Team Leader

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Prime Engineering Consultancy, Kallurkot Bidge Project

Client Reference: KK-DIK-BR-PJ/2019/051

Dated: 04-09-2019

SOM Lab Ref: CED/SOM/1352(Page-2/2)

Dated: 05-09-2019

Test: Tension Test & bend Test

Test Specification:

ASTM-A 615

Sample Type: Deformed Bar(Nomee 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	3.881	25	25.08	491	494	260.70	331.20	531	528	675	671	37.5	200	18.8	
2	1.554	16	15.88	201	198	95.70	134.90	476	484	671	682	35.0	200	17.5	
3	0.891	12	12.03	113	114	48.20	72.50	426	425	641	639	32.5	200	16.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Project Coordinator

Test Performed By:

Dr. /Engr.

Nauman
Khurram

CAMCE Pakistan Branch Office, China CAMC Engineering Co., Ltd. Lahore

Client Reference: CAMCE/CHB/003

SOM Lab

Ref:

1353(Page-1/1)

Dated: 04-09-2019

Dated:

05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length:

8 inch

Sample Type:

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	2.670	8	1.000	0.79	0.785	22.34	34.63	62380	62780	96670	97290	1.60	8.0	20.0	
2	2.673	8	1.000	0.79	0.786	22.53	34.61	62890	63210	96620	97110	1.00	8.0	12.5	
3	2.665	8	0.998	0.79	0.783	22.04	34.30	61530	62080	95760	96620	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	13.22	19.72	66270	66420	98870	99100	1.30	8.0	16.3	
5	1.491	6	0.747	0.44	0.438	13.17	19.64	66020	66320	98460	98910	1.00	8.0	12.5	
6	1.486	6	0.746	0.44	0.437	12.84	19.34	64380	64820	96930	97590	1.20	8.0	15.0	
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Witnessed By:

Muhammad Sohaib, QC, Engineer, CAMChafiq Ali, DHA, Lahore

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Ten Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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 Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3772/AMP/103/MWA/04/36

SOM Lab

Ref: 1355(Page-1/3)

Dated: 05-08-2019

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Prime 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	1.002	5	0.612	0.31	0.294	11.11	14.44	79050	83350	102760	108360	1.30	8.0	16.3	
2	1.003	5	0.613	0.31	0.295	10.67	14.27	75930	79790	101530	106690	1.10	8.0	13.8	
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BEND TEST:

# 5	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 Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3772/AMP/103/MWA/04/36

SOM Lab

Ref: 1355(Page-1/3)

Dated: 05-08-2019

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Prime 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	1.002	5	0.612	0.31	0.294	11.11	14.44	79050	83350	102760	108360	1.30	8.0	16.3	
2	1.003	5	0.613	0.31	0.295	10.67	14.27	75930	79790	101530	106690	1.10	8.0	13.8	
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BEND TEST:

# 5	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 Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3772/AMP/103/MWA/04/35

SOM Lab

Ref: 1355(Page-2/3)

Dated: 03-08-2019

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Prime 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	1.420	6	0.729	0.44	0.417	10.86	17.53	54420	57420	87880	92730	1.50	8.0	18.8	
2	1.425	6	0.730	0.44	0.419	10.96	17.79	54930	57680	89160	93630	1.40	8.0	17.5	
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BEND TEST:

# 6	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 Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3772/AMP/103/MWA/04/40

SOM Lab

Ref: 1355(Page-3/3)

Dated: 28-08-2019

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Ittefaq 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	2.650	8	0.996	0.79	0.779	24.82	33.00	69300	70280	92120	93420	1.10	8.0	13.8	
2	2.630	8	0.992	0.79	0.773	25.66	33.59	71630	73210	93770	95830	1.40	8.0	17.5	
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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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Nauman
Khurram

By Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/686/3508

SOM Lab

Ref: 1356(Page-1/1)

Dated: 05-09-2019

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran Steel)

Gauge Length: 8 inch

Sample Type:

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	0.660	4	0.497	0.20	0.194	6.08	8.61	67000	69070	94990	97920	1.20	8.0	15.0	
2	0.669	4	0.501	0.20	0.197	6.24	8.70	68800	69840	95890	97350	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 M. Qasim Saeed
Lahore (Project: Abdul Kabir Plaza Gulberg -III, Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 1357(Page-1/1)

Dated: 05-09-2019

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.590	8	0.984	0.79	0.761	22.38	35.17	62470	64850	98180	101920	1.50	8.0	18.8	
2	2.600	8	0.986	0.79	0.764	21.78	35.27	60820	62890	98470	101820	1.60	8.0	20.0	
3	2.520	8	0.971	0.79	0.741	24.74	38.60	69070	73640	107770	114900	1.40	8.0	17.5	
4	0.653	4	0.494	0.20	0.192	7.59	9.17	83750	87240	101170	105380	1.20	8.0	15.0	
5	0.674	4	0.502	0.20	0.198	7.75	9.35	85430	86300	103080	104120	1.20	8.0	15.0	
6	0.652	4	0.494	0.20	0.192	7.54	9.12	83180	86650	100610	104800	1.30	8.0	16.3	
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BEND TEST:

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

Furqan Ali Malik
 Chief Resident Engineer, Package -I, NESPAK, (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 4042/13/FAM/Steel-106

SOM Lab
 Ref: 1358(Page-1/1)

Dated: 02-09-2019

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (City UAE 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	0.662	4	0.498	0.20	0.195	6.01	8.79	66320	68020	96900	99380	1.40	8.0	17.5	
2	0.664	4	0.498	0.20	0.195	5.86	8.84	64640	66290	97460	99960	1.40	8.0	17.5	
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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