

Major Tanveer Ahmad ®

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE-2 ACES,DHA Multan.(Civil Infrastructure Development Works DHA Multan)

Client Reference: ACES-DHAM-NLC-230

Dated: 19-04-2022

SOM Lab Ref: CED/SOM/217(Page-1/1)

Dated: 21-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (SJ 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	3.832	25	24.93	491	488	249.70	351.70	509	512	716	721	32.5	200	16.3	
2	3.818	25	24.89	491	486	244.70	346.50	498	504	706	713	32.5	200	16.3	
3	2.471	20	20.02	314	315	163.50	214.20	520	520	682	681	30.0	200	15.0	
4	2.477	20	20.05	314	316	163.20	212.20	519	518	675	673	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
20mm	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

Nauman Gull

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM Pro-Health,Lahore.(Children`s Heart Hospital And Research Institue)

Client Reference: T211101-L008-UET/LHR

SOM Lab

Ref: 218 (Page-1/1)

Dated: 21-04-2022

Dated: 21-04-2022

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	2.618	8	0.990	0.79	0.769	27.17	34.22	75840	77910	95530	98140	1.20	8.0	15.0	
2	2.625	8	0.991	0.79	0.771	27.03	34.30	75470	77330	95760	98120	1.40	8.0	17.5	
3	1.508	6	0.751	0.44	0.443	15.06	19.54	75470	74960	97950	97290	1.40	8.0	17.5	
4	1.516	6	0.754	0.44	0.446	14.90	19.47	74700	73700	97590	96280	1.20	8.0	15.0	
5	0.647	4	0.492	0.20	0.190	6.85	8.12	75540	79520	89590	94310	0.90	8.0	11.3	
6	0.651	4	0.493	0.20	0.191	6.90	8.10	76100	79690	89370	93580	1.00	8.0	12.5	
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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

Engr. Muhammad Zaid Abbas

Test Performed By:

Dr. /Engr. Asad Ali Gillani

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/019

SOM Lab

Ref: 219 (Page-1/1)

Dated: 20-04-2022

Dated: 21-04-2022

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	0.666	4	0.500	0.20	0.196	5.93	8.38	65420	66760	92400	94290	1.00	8.0	12.5	
2	0.651	4	0.493	0.20	0.191	5.86	8.15	64640	67680	89930	94170	1.10	8.0	13.8	
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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

G3 Engg Consultants. RE

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

Consultancy Services For Master Plangg, Design & Const. Supervision Strengthening Of Uni Of Nrw)

Client Reference: G3/UON-RE/112

SOM Lab

Ref: 220 (Page-1/1)

Dated: 24-03-2022

Dated: 21-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	1.484	6	0.745	0.44	0.436	16.18	20.59	81090	81830	103210	104160	1.20	8.0	15.0	
2	1.484	6	0.745	0.44	0.436	12.97	20.90	65000	65590	104750	105710	1.30	8.0	16.3	
3	0.674	4	0.502	0.20	0.198	5.86	9.33	64640	65290	102860	103890	1.00	8.0	12.5	
4	0.670	4	0.501	0.20	0.197	5.81	9.45	64080	65050	104200	105790	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

Muhammad Adnan Alam RE

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

ACES (Mosque & Adit Staff Residence at Golf Mainten. Facility Of Rumanza Golf Course DHA Multan)

Client Reference: ACES-DHAM-RGC-WBC-30

SOM Lab

Ref: 222 (Page-1/1)

Dated: 19-04-2022

Dated: 21-04-2022

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	0.687	4	0.507	0.20	0.202	5.88	8.72	64860	64220	96110	95160	1.30	8.0	16.3	
2	0.638	4	0.488	0.20	0.187	6.70	9.35	73850	78990	103080	110250	1.50	8.0	18.8	
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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

Engineering Services Consultants
RE Lhr.(Estb Of Center Of Excellence Boys At Chakwal)

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

Client Reference: RE/ESC/COE/2022-34

SOM Lab

Ref: 223 (Page-1/2)

Dated: 18-04-2022

Dated: 21-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	2.771	8	1.018	0.79	0.814	22.43	35.80	62610	60760	99950	97000	1.40	8.0	17.5	
2	2.642	8	0.994	0.79	0.776	22.24	35.83	62100	63220	100030	101840	1.30	8.0	16.3	
3	1.490	6	0.747	0.44	0.438	12.41	19.59	62190	62470	98210	98650	1.40	8.0	17.5	
4	1.479	6	0.744	0.44	0.435	12.39	19.67	62080	62800	98610	99750	1.30	8.0	16.3	
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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	

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

Engineering Services Consultants
RE Lhr.(Estb Of Center Of Excellence Boys At Chakwal)

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

Client Reference: RE/ESC/COE/2022-35

SOM Lab

Ref: 223 (Page-2/2)

Dated: 18-04-2022

Dated: 21-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Zia

Gauge Length: 8 inch

Sample Type:

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	2.651	8	0.996	0.79	0.779	27.78	35.70	77550	78640	99660	101070	1.10	8.0	13.8	
2	2.641	8	0.994	0.79	0.776	23.87	33.03	66650	67850	92210	93870	1.30	8.0	16.3	
3	1.513	6	0.753	0.44	0.445	13.32	19.54	66780	66030	97950	96850	1.40	8.0	17.5	
4	1.505	6	0.750	0.44	0.442	13.12	19.49	65760	65460	97690	97250	1.30	8.0	16.3	
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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	

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

Sub Divisional officer,
 BSD No.15 Lhr.(Forest Complex At Ravi Rd Lahore (Group #1))

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

Client Reference: 1691

SOM Lab

Ref: 224 (Page-2/2)

Dated: 18-04-2022

Dated: 21-04-2022

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	2.648	8	0.995	0.79	0.778	27.08	33.89	75610	76780	94620	96080	1.40	8.0	17.5	
2	2.658	8	0.997	0.79	0.781	26.96	33.84	75270	76140	94480	95570	1.30	8.0	16.3	
3	1.471	6	0.742	0.44	0.432	15.55	19.75	77920	79360	98970	100800	1.30	8.0	16.3	
4	1.481	6	0.744	0.44	0.435	15.49	19.42	77670	78560	97340	98460	1.20	8.0	15.0	
5	0.665	4	0.498	0.20	0.195	6.98	8.69	77000	78980	95770	98230	1.10	8.0	13.8	
6	0.664	4	0.498	0.20	0.195	7.05	8.97	77790	79780	98920	101460	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

Sub Divisional officer,

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

BSD No.15 Lhr.(Const Of Court Rooms For Judicial At Model Town Lahore (Group No.1& 2))

Client Reference: 1692

SOM Lab

Ref: 224 (Page-1/2)

Dated: 18-04-2022

Dated: 21-04-2022

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	2.600	8	0.986	0.79	0.764	25.79	34.35	72000	74450	95900	99170	1.40	8.0	17.5	
2	2.638	8	0.993	0.79	0.775	26.17	34.58	73050	74470	96530	98400	1.30	8.0	16.3	
3	1.475	6	0.743	0.44	0.433	14.93	20.49	74860	76070	102700	104360	1.00	8.0	12.5	
4	1.471	6	0.742	0.44	0.432	15.01	20.59	75210	76610	103210	105120	1.00	8.0	12.5	
5	0.660	4	0.497	0.20	0.194	6.47	8.79	71380	73590	96900	99890	1.20	8.0	15.0	
6	0.662	4	0.498	0.20	0.195	6.54	8.72	72170	74020	96110	98580	1.20	8.0	15.0	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No.12 Lhr.(Estb Of Govt Technical Traning Institute For Women,Sabzazar)

Client Reference: 151

SOM Lab

Ref:

225 (Page-1/1)

Dated: 18-04-2022

Dated:

21-04-2022

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	2.651	8	0.996	0.79	0.779	26.88	33.69	75050	76110	94050	95380	1.20	8.0	15.0	
2	2.653	8	0.997	0.79	0.780	27.01	33.86	75420	76380	94540	95750	1.20	8.0	15.0	
3	1.481	6	0.744	0.44	0.435	15.51	19.42	77770	78660	97340	98460	1.30	8.0	16.3	
4	1.481	6	0.744	0.44	0.435	15.44	19.49	77410	78300	97690	98820	1.30	8.0	16.3	
5	0.668	4	0.500	0.20	0.196	6.88	8.77	75880	77430	96670	98650	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	6.80	8.46	74980	76120	93300	94720	0.90	8.0	11.3	
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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

Engr. M Arsalan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Co-ordinator AHW Management onsultants (Pvt.) Ltd. Lahore.

Client Reference: Nil

SOM Lab

Ref:

226 (Page-1/1)

Dated: 21-04-2022

Dated:

21-04-2022

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	2.688	8	1.003	0.79	0.790	24.49	34.98	68360	68360	97670	97670	1.50	8.0	18.8	Batala
2	2.678	8	1.001	0.79	0.787	24.46	34.93	68300	68560	97530	97900	1.30	8.0	16.3	Batala
3	2.576	8	0.982	0.79	0.757	25.61	32.18	71490	74600	89840	93760	1.50	8.0	18.8	AFCO
4	2.564	8	0.980	0.79	0.754	25.38	32.11	70860	74250	89640	93920	1.60	8.0	20.0	AFCO
5	1.528	6	0.756	0.44	0.449	16.97	21.15	85070	83370	106020	103900	1.00	8.0	12.5	AFCO
6	1.528	6	0.756	0.44	0.449	16.08	20.64	80580	78960	103470	101390	1.00	8.0	12.5	AFCO
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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

Sub Divisional officer,
 BSD NNB.(Const. For The Project GS.No. 876 For The Year 2021-22)

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

Client Reference: 1032/SDO/BSD/NNB

SOM Lab

Ref: 227 (Page-1/6)

Dated: 04-04-2022

Dated: 21-04-2022

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	2.590	8	0.984	0.79	0.761	16.59	26.50	46300	48070	73990	76810	1.30	8.0	16.3	
2	1.358	6	0.713	0.44	0.399	10.77	18.20	54010	59560	91210	100580	0.80	8.0	10.0	
3	0.660	4	0.497	0.20	0.194	5.68	8.69	62610	64550	95770	98740	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD NNB.(Const. For The Project GS.No.BHU FHATHA For The Year 2021-22)

Client Reference: 892/SDO/BSD/NNB

SOM Lab

Ref:

227 (Page-2/6)

Dated: 11-03-2022

Dated:

21-04-2022

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	2.549	8	0.977	0.79	0.749	16.28	25.25	45450	47940	70490	74350	1.40	8.0	17.5	
2	1.494	6	0.748	0.44	0.439	10.72	16.18	53750	53880	81090	81270	1.60	8.0	20.0	
3	0.655	4	0.494	0.20	0.192	4.71	6.95	51940	54100	76660	79860	1.70	8.0	21.3	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD NNB.(Const. For The Project GS.No.5817 (Group-2) For The Year 2021-22)

Client Reference: 1020/SDO/BSD/NNB

SOM Lab

Ref:

227 (Page-3/6)

Dated: 18-04-2022

Dated:

21-04-2022

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	2.628	8	0.991	0.79	0.772	23.24	32.39	64890	66400	90410	92520	1.40	8.0	17.5	
2	1.467	6	0.741	0.44	0.431	13.46	18.04	67450	68860	90440	92330	1.20	8.0	15.0	
3	0.592	4	0.471	0.20	0.174	5.71	7.61	62950	72360	83970	96520	1.20	8.0	15.0	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD NNB.(Const. For The Project GS.No.5817 (Group-2) For The Year 2021-22)

Client Reference: 1021/SDO/BSD/NNB

SOM Lab

Ref:

227 (Page-4/6)

Dated: 18-04-2022

Dated:

21-04-2022

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	2.555	8	0.978	0.79	0.751	23.52	32.62	65650	69060	91070	95800	1.50	8.0	18.8	
2	1.472	6	0.743	0.44	0.433	11.49	17.20	57590	58520	86200	87590	1.40	8.0	17.5	
3	0.668	4	0.500	0.20	0.196	4.96	7.16	54750	55860	78910	80520	1.60	8.0	20.0	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD NNB.(Const. For The Project GS.No.5817 (Group-1) For The Year 2021-22)

Client Reference: 1019/SDO/BSD/NNB

SOM Lab

Ref:

227 (Page-5/6)

Dated: 18-04-2022

Dated:

21-04-2022

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	2.660	8	0.998	0.79	0.782	17.38	29.43	48520	49020	82160	83000	1.60	8.0	20.0	
2	1.360	6	0.714	0.44	0.400	10.65	18.35	53400	58740	91970	101170	1.20	8.0	15.0	
3	0.567	4	0.461	0.20	0.167	5.22	8.28	57560	68930	91280	109310	1.30	8.0	16.3	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD NNB.(Const. For The Project GS.No.5817 (Group-3) For The Year 2021-22)

Client Reference: 1022/SDO/BSD/NNB

SOM Lab

Ref:

227 (Page-6/6)

Dated: 18-04-2022

Dated:

21-04-2022

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	5.07	7.80	55870	59440	85990	91480	1.40	8.0	17.5	
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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

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

Maj Adnan Khalid ®

Dy Dir MTL.DHA Lahore.

Testing of J-Bolt, Const of (U/G) External Electification works Of Alongwith Street Lighting System Of Pkg E-1,Sec-Q Addl, DHA Ph-9 Prism (M/S DHA-C)

Client Reference: 408/241/32/65A/1181

Dated: 07-03-2022

SOM Lab Ref: CED/SOM/221(Page-1/2)

Dated: 21-04-2022

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: J Bolt

Gauge Length: 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	25	491	198.00	309.00	403	629	37.5	200	18.8	48.73

2	25	491	195.00	310.00	397	632	40.0	200	20.0	49.30
3	25	491	197.70	308.20	403	628	37.5	200	18.8	47.00
4	25	491	195.50	306.20	398	624	40.0	200	20.0	48.16
5	25	491	195.70	307.20	399	626	42.5	200	21.3	49.30
6	25	491	195.70	306.20	399	624	42.5	200	21.3	49.30

							Note:-			
							Only Six Samples Received and Tested			

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

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

Maj Adnan Khalid ®

Dy Dir MTL.DHA Lahore.

Testing of J-Bolt, Const of (U/G) External Electification works Of Alongwith Street Lighting System Of Pkg E-1,Sec-Q Addl, DHA Ph-9 Prism (M/S DHA-C)

Client Reference: 408/241/32/65A/1181

Dated: 07-03-2022

SOM Lab Ref: CED/SOM/221(Page-2/2)

Dated: 21-04-2022

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: Anchor-Bolts

Gauge Length: 50 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	12	113	41.50	55.70	367	492	25.0	50	50.0	77.44
2	12	113	40.10	50.50	355	447	25.0	50	50.0	73.30
3	12	113	35.70	49.20	316	435	27.5	50	55.0	70.66

Note:-

Only Three Samples
Received and Tested

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

