

Sheikh Maqbool, RE
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: RE/4521/04/MH/51

SOM Lab

Ref: 263 (Page-1/1)

Dated: 04-11-2024

Dated: 26-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	1.518	6	0.754	0.44	0.446	16.33	21.25	81860	80750	106530	105100	1.50	8.0	18.8	
2	1.519	6	0.754	0.44	0.446	16.38	21.30	82110	81010	106790	105350	1.40	8.0	17.5	
3	0.664	4	0.498	0.20	0.195	6.60	8.72	72730	74600	96110	98580	1.00	8.0	12.5	
4	0.659	4	0.497	0.20	0.194	6.54	8.74	72170	74400	96340	99310	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

Sheikh Maqbool, RE
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: RE/4521/04/MH/50

SOM Lab

Ref: 264 (Page-1/1)

Dated: 02-11-2024

Dated: 26-11-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	2.632	8	0.992	0.79	0.773	26.47	34.10	73910	75530	95190	97290	1.40	8.0	17.5	
2	2.633	8	0.993	0.79	0.774	27.01	34.73	75420	76970	96960	98960	1.20	8.0	15.0	
3	1.488	6	0.746	0.44	0.437	14.70	19.44	73680	74190	97440	98110	1.40	8.0	17.5	
4	1.491	6	0.747	0.44	0.438	14.65	19.44	73430	73760	97440	97880	1.40	8.0	17.5	
5	0.666	4	0.500	0.20	0.196	5.96	7.65	65760	67100	84310	86030	1.20	8.0	15.0	
6	0.669	4	0.501	0.20	0.197	6.07	7.72	66890	67900	85100	86390	1.30	8.0	16.3	
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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

Sheikh Maqbool, RE
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: RE/4521/04/MH/48

SOM Lab

Ref: 265 (Page-1/1)

Dated: 02-11-2024

Dated: 26-11-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Markhor Steel)

ASTM-A-615

Deformed Bar (Markhor 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	2.645	8	0.995	0.79	0.777	23.39	34.12	65310	66410	95250	96840	1.60	8.0	20.0	
2	2.643	8	0.995	0.79	0.777	23.14	35.65	64600	65680	99520	101180	1.40	8.0	17.5	
3	1.491	6	0.747	0.44	0.438	12.76	18.60	63970	64270	93250	93680	1.40	8.0	17.5	
4	1.498	6	0.748	0.44	0.440	13.07	18.88	65510	65510	94630	94630	1.30	8.0	16.3	
5	1.020	5	0.618	0.31	0.300	11.03	14.34	78470	81090	102040	105440	1.30	8.0	16.3	
6	1.021	5	0.618	0.31	0.300	10.88	14.29	77380	79960	101680	105070	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	
# 5	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 Kallur Kot.(Revamping Of 552 BHU`s of North and Central Punjab Distt Bhakkar Kallurkot)

Client Reference: 440

SOM Lab

Ref:

266 (Page-1/1)

Dated: 14-10-2024

Dated:

26-11-2024

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	1.516	6	0.754	0.44	0.446	12.28	17.30	61570	60740	86710	85540	1.30	8.0	16.3	
2	1.513	6	0.753	0.44	0.445	12.30	17.50	61670	60980	87730	86750	1.40	8.0	17.5	
3	0.668	4	0.500	0.20	0.196	6.24	8.51	68800	70200	93860	95780	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	7.34	9.25	80940	82170	101960	103510	1.10	8.0	13.8	
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BEND TEST:

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

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

Rashid Kamran, RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

NESPAK Lhr.(Const of Ornamental Main Gate at M-Block LDA Avenue-I)

Client Reference: 2599/13/RK/05/GT/298

SOM Lab

Ref: 267 (Page-1/1)

Dated: 20-11-2024

Dated: 26-11-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	1.509	6	0.751	0.44	0.443	13.76	19.37	68980	68510	97080	96420	1.50	8.0	18.8	
2	1.506	6	0.751	0.44	0.443	13.83	19.52	69340	68870	97850	97190	1.20	8.0	15.0	
3	0.669	4	0.501	0.20	0.197	6.54	8.82	72170	73270	97230	98720	1.00	8.0	12.5	
4	0.669	4	0.501	0.20	0.197	6.65	8.94	73290	74410	98580	100080	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

M.Bilal Khalid, ARE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

JCP Wahga NESPAK. (Expension Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/95

SOM Lab

Ref: 268 (Page-1/1)

Dated: 26-11-2024

Dated: 26-11-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Aziz 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	2.663	8	0.998	0.79	0.783	23.33	35.90	65140	65730	100230	101130	1.50	8.0	18.8	
2	2.664	8	0.998	0.79	0.783	23.41	36.24	65370	65950	101170	102070	1.60	8.0	20.0	
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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