

Ali Raza Qureshi

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Project Director (HVDC) NTDC Lahore

Client Reference: 1206-11/PD/HVDC/NTDC.LHR

Dated: 31-05-2019

SOM Lab Ref: CED/SOM/940(Page-1/1)

Dated: 11-06-2019

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	2.186	20	18.81	314	278	100.20	152.50	319	361	485	549	42.5	200	21.3	
2	2.162	20	18.73	314	275	99.50	150.50	317	362	479	547	45.0	200	22.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three 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