

-8-41(1)-

Foundation Loads of '1T+9m (MWZ)'

PROJECT : Design, Supply, Erection, Testing & Commissioning of 132kV Transmission Lines on Turnkey Basis (Package 2.2)
 CONTRACT NO. PGCB/KFW/BMZ.2014.67.976/2018/Package-2.2, dated 18.05.2020
 TYPE NAME: 1T+9m (MWZ)

Unit: kN

Particulars	Load Case	Force in leg direction		Residual Long. Shear	Residual Trans. Shear	Total Long force	Total Trans. Force	Total Vertical Force	
		Compression	Uplift					Compression	Uplift
Max Compression	Case-603: NOC 22.5° Wind VMAX [0 Deg Terminal].C BI+	1184.15 ✓	1080.33	50.20	34.79	203.21	191.90	1152.09	1050.40
Max Uplift	Case-762: NOC -22.5° Wind VMIN [0 Deg Terminal].C BI-	1161.43	1103.51 ✓	50.40	34.47	200.36	188.53	1129.60	1073.00
Max Residual Long. Shear	Case-863: ECCENTRIC SCS Left Side 22.5° Wind VMIN [0 Deg Terminal].C BI+	764.62	699.35	98.24 ✓	97.09	190.32	188.33	742.42	678.45
Max Residual Trans. Shear	Case-711: ECCENTRIC SCS Left Side 0° Wind VMAX [0 Deg Terminal].C BI+	703.43	601.30	90.06	106.61 ✓	168.27	199.82	683.52	583.56
Max Total long Force	Case-701: HILW 67.5° Wind VMAX [0 Deg Terminal].C BI+	1121.43	1015.92	87.07	26.56	234.14 ✓	173.99	1086.43	983.09
Max Total Trans. Force	Case-713: ECCENTRIC SCS Left Side 22.5° Wind VMAX [0 Deg Terminal].C BI+	773.32	671.51	98.03	98.52	185.72	280.90 ✓	750.74	651.07
Max Total Vertical Force (Compression)	Case-603: NOC 22.5° Wind VMAX [0 Deg Terminal].C BI+	1184.15	1080.33	50.20	34.79	203.21	191.90	1152.09 ✓	1050.40
Max Total Vertical Force (Uplift)	Case-753: NOC 22.5° Wind VMIN [0 Deg Terminal].C BI+	1161.43	1103.51	50.40	34.47	200.36	188.54	1129.60	1073.00 ✓

NOTES

1. ALL LOADS PER ONE LEG.
2. LEG MEMBER HL 150X150X16
3. FOR FOUNDATION DESIGN ALL THE CORRESPONDING FACTOR INCLUDING FOUNDATION OVERLOAD FACTOR SHALL BE CONSIDERED.

POWER GRID COMPANY OF BANGLADESH

APPROVED WITH COMMENTS MARKED

This approval is general only and does not Release the manufacturer/contractor/supplier From compliance with specification and Standards for Design workmanship and Performance as stipulated in the contract

IN RED INK. This approval is subjected to the satisfactory performance under full scale proto type load test



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 Transmission Line Design & QC
 PGCB, DHAKA

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 Superintending Engineer (Addl.ch)
 TLD, Design & QC, PGCB

This Approval Supersedes Earlier Approval Given

Vide PGCB's Letter No. 27.21.0000.411.49.049.20.081

Dated 30.11.2021

11 8 JUL 2022

Design, Supply, Installation, Testing & Commissioning of 132kV Transmission Lines on Turnkey Basis (Package-5)