Foundation Loads of '2T+9m'

PROJECT : Design, Supply, Erection, Testing & Commissioning of 230kV and 132kV Transmission Lines on Turnkey Basis (Package 1.2)
CONTRACT NO. PGCB/KfW/BMZ.2014.67.976/2018/Package-1.2, dated 18.05.2020
TYPE NAME: 2T+9m

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+	**2467.96**	2217.53	102.80	68.98	488.45	462.04	2377.38	2134.76
Max Uplift	Case-753: NOC 22.5° Wind VMIN [0 Deg Terminal],C BI+	2406.33	**2270.91**	103.16	68.24	478.93	451.38	2317.42	2186.27
Max Residual Long. Shear	Case-888: ECCENTRIC SCS Right Side -22.5° Wind VMIN [0 Deg Terminal],C BI-	1585.50	1427.52	**226.03**	221.52	451.43	473.49	1524.05	1370.86
Max Residual Trans. Shear	Case-728: ECCENTRIC SCS Right Side 0° Wind VMAX [0 Deg Terminal],C BI-	1495.97	1247.70	219.13	**249.10**	413.92	487.02	1439.06	1198.42
Max Total long Force	Case-101: HILW 67.5° Wind VMAX [30 Deg Angle],C BI+	2080.80	1819.01	160.01	57.05	**489.50**	381.57	1992.90	1739.53
Max Total Trans. Force	Case-728: ECCENTRIC SCS Right Side 0° Wind VMAX [0 Deg Terminal],C BI-	1495.97	1247.70	219.13	249.10	413.92	**487.02**	1439.06	1198.42
Max Total Vertical Force (Compression)	Case-603: NOC 22.5° Wind VMAX [0 Deg Terminal],C BI+	2467.96	2217.53	102.80	68.98	488.45	462.04	**2377.38**	2134.76
Max Total Vertical Force (Uplift)	Case-753: NOC 22.5° Wind VMIN [0 Deg Terminal],C BI+	2406.33	2270.91	103.16	68.24	478.93	451.38	2317.42	**2186.27**

NOTES

1. ALL LOADS PER ONE LEG.
2. LEG MEMBER : HL 200X200X25
3. FOR FOUNDATION DESIGN ALL THE CORRESPODING FACTOR INCLUDING FOUNDATION OVERLOAD FACTOR SHALL BE CONSIDERED.

POWER GRID COMPANY OF BANGLADESH
APPROVED WITH COMMENTS MARKED IN RED INK
This approval is general only and does not Release the manufacturer/contructor/supplier From compliance with specification and Standards for Design workmanship and Performance as stipulated in the contract

This approval is subjected to the satisfactory performance under full scale proto type load test

Nooren Irtiza Alam
Sub-Divisional Engineer
Transmission Line Desing & QC
PGCB, DHAKA

(Engr. Muhammad Mahmudul Islam)
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13 MAR 2022

(Syed Md. Sahriar Abdullah)
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HG POWER TRANSMISSION SDN. BHD.