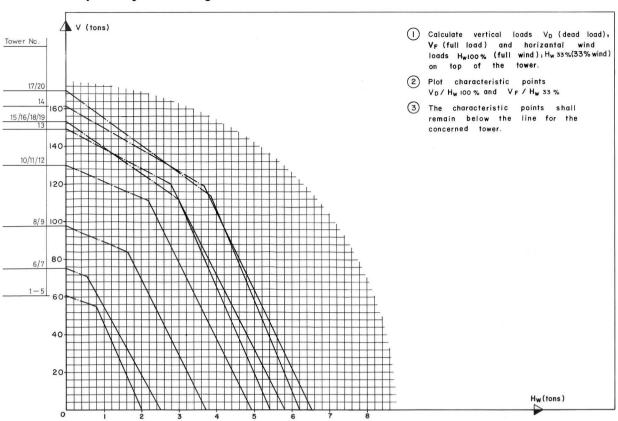


Capacity Diagram:



Basic Data:

Structural Steel according to IS 226 - 1975 (standard quality) tensile strength 4u = 410 - 530 N/mm² yield stress $6f = 250 \text{ N/mm}^2 \text{ for } \begin{cases} 6 < t \le 20 \text{ mm} \\ 10 < \emptyset < 20 \text{ mm} \end{cases}$ $6f = 240 \text{ N/mm}^2 \text{ for } \begin{cases} 20 < t \le 40 \text{ mm} \\ \emptyset > 20 \text{ mm} \end{cases}$ High tensile Friction Grip Bolts, Nuts, and Washers according to IS 3757-1972; IS 6623-1972 and IS 6649-1972 2 Safety Factor : The towers have been designed without considering the effect of the side stay cables; the windload on the bridge shall be calculated without considering the effect of the windguy cables. Under this condition the safety factor has been fixed to 1.6 3 Windload on Towers : Assumed uniform for all towers. For full wind (100 %) awindload on tower wt.= 1.02 KN/m For partial wind $\begin{cases} dynamic & pressure & q = 50 \text{ kg/m}^1 \\ (33 \%) & windload & on tower & wt. = 0.33 \text{ KN/m} \end{cases}$

MoLD / DoLIDAR / Trail Bridge Section		
Long Span Trail Bridge Standard		
Bridge No:	Name:	
Span:		
Guide	to	
L.S.T.B	Standard	Towers
2.0.1.5	0.4	10
Date: August 2004		Drawing No. 140