



# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

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## Preamble :

For EHV cable of class 66KV and above to be laid by KPTCL, it was ordered vide corporate Order No. B19/17116/2010-11 Dt. 28.11.2011 to provide pre-cast concrete slabs on either side of the cable trench to act as a physical barrier against accidental damage to the buried EHV cables along with the RCC slabs over the cable, for covering it.

The aforementioned procedure of providing protection has been discussed at length and of late the concrete slabs provided on either side of the cable trench would act as an insulation for the dissipation of the heat generated by cable in service due to its inherent poor thermal conductivity (0.86 Kcal/m<sup>o</sup>c compared to 0.13 Kcal/m<sup>o</sup>c for soil) resulting in accumulation of heat leading to decreased ampacity of the cable and increased loss levels. This may also lead to earlier ageing of the cable. In view of this, the order issued insisting for providing concrete protection wall on either side of the cable trench needs to be withdrawn in view of better performance, reduction in loss and increased life of the cable as per standard practice. Hence the order;

Order No. KPTCL/B19/17116/2010-11

Dt:18.06.2012

The order No.B19/17116/2010-11 Dt.28.11.2011 issued in respect of providing pre-cost concrete slabs on either side of the cable trench for the purpose of providing protection for the buried EHV UG Cables of 66KV class and above is hereby withdrawn.

*B. S. S. S.*  
Deputy General Manager (Tech)  
KPTCL

## Copy to:

- All Chief Engineers Electricity, KPTCL.
- The Financial Adviser (A&R) / (I/A) KPTCL Kaveri Bhavan, Bangalore.
- All Superintending Engineers Electricity, KPTCL.
- All Executive Engineers Electricity, KPTCL.
- PS to Managing Director / Director (Transmission) / Company Secretary, KPTCL.
- The Superintending Engineers (Elec.,) IT&MIS with a request to arrange to upload this order on the KPTCL website for view of the officers of KPTCL.