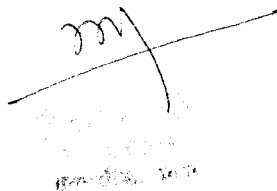


### Justification of Transmission System

- 1 As per the Generation Capacity addition program for Southern Region and the projected load growth, it has been assessed that Southern Region shall remain in deficit situation in the foreseeable future. Further, at the Wardha end power from numerous generations shall be available from generation projects in Chhattisgarh area. It has been seen that Wardha – Hyderabad 765kV D/c line shall facilitate import of power from generation hub in Western Region to Southern Region. Therefore, this link in conjunction with the other inter-regional links of SR with NEW grid including Raichur – Solapur 765 kV 2xS/c line shall enable enhancement of transfer capacity for import of power into Southern region.
- 2 However, as per the preliminary survey, it was found that length of planned Wardha – Hyderabad 765 kV D/c line shall be more than 500 km, which due to longer line length may pose operational issues. This issue was discussed in 35<sup>th</sup> Standing Committee Meeting held on 04-01-2013 wherein it was decided that Wardha – Hyderabad 765 kV D/c line would be anchored at intermediate station and the location of intermediate station & its connectivity at 400 kV level would be decided based on the Joint Studies by CEA / APTRANSCO / POWERGRID.
- 3 During the joint studies of a team comprising of officers from CTU, CEA and APTRANSCO, it was found that Nizamabad could be the perspective location for the intermediate station and the connectivity for Nizamabad Substation at 400 kV level was also finalized.
- 4 The transmission system associated with "Wardha – Hyderabad 765kV link" was agreed in 36<sup>th</sup> Standing Committee Meeting on Power System Planning in Southern Region held on 04-09-2013. It was also agreed that since Empowered Committee on Transmission has identified Wardha - Hyderabad 765 kV D/c line, therefore, with minor modifications for providing anchoring point at Nizamabad 765/400 kV Station and associated LILO works may also be implemented by POWERGRID.

  
The block contains a handwritten signature in dark ink, which appears to be 'm'. Below the signature is a circular official stamp, though the text within it is mostly illegible due to fading. The stamp likely contains the name of the official and their designation.