

**Additional Agenda for 17th meeting of the Standing Committee
on transmission system planning in Northern Region**

Member (Secretary), NREB in his letter dt. 21.7.04 have indicated that high voltage problem is being experienced at Nalagarh and Abdullapur 400kV S/S where voltage rises as high as 435 kV during off-peak hour when the generation at Nathpa Jhakri is low. The high voltage problem is posing serious problem to the equipment installed at Nathpa Jhakri S/S. The matter was analysed and it was found that due to non-completion of the 220 kV lines from Nalagarh drawal through 400/220 kV Nalagarh ICT is insufficient. The reactive power generated by the long 400kV link from Nathpajhakri – Hissar contributes heavily to the rise in voltage at Nalagarh.

The matter was deliberated in the 131st and 134th TCC meeting of NREB wherein the members raised serious concern over the issue and further likelihood of worsening of the situation with the proposal of HPSEB for construction of 400/132 kV Kunihar S/S by drawing 400 kV line from Nalagarh to Kunihar. It was apprehended that the Kunihar transformer would also remain under loaded, thereby further worsening of the grid situation during load condition by feeding reactive power to the grid.

It was therefore suggested that for meeting the load of Kunihar, 220 kV D/C line from Nalagarh – Kunihar would be adequate. As such HPSEB should go for 220/132 kV S/S at Kunihar instead of 400/132 kV as was proposed. Further PSEB and Chandigarh may also expedite their 220 kV line from Nalagarh to Mohali as well Chandigarh in order to put adequate load on Nalagarh transformer.

To sort the above issue Member (Secretary), NREB has requested CEA to put up the issue in the 17th SCM of Northern Region.

The matter is therefore put up to the Member of the Committee for deliberation and concurrence on the above subject.