

After detailed discussions, Committee approved the proposal of establishing 1x10 MVA, 110/11 kV sub-station at **Kanasur** in Siddapura Taluk, Uttara Kannada District by constructing 110 kV LILO line from one circuit of MGHE Jog-Sirsi DC line with Lynx conductor for a distance of about 0.5 kms. HESCOM has to take up the work of construction of new 11 kV lines with Rabbit conductor and residual feeders should be reconducted with Rabbit conductor.

Decision: Approved.

Action: CEE TZ Bagalkot.

Subject 11: Replacement of 1x10 MVA, 110/11 kV transformer by 1x20 MVA, 110/11 kV transformer at 110 kV Yalaparahatti sub-station, in Raibag Taluk, Belagavi District.

Proposed by: CEE, Bagalkote Transmission Zone.

1) Incoming Supply Details:

- a) **Station:** 220/110 kV Kudachi sub-station, 2x100 MVA, PL-58 MW, 56 MW.
- b) **Line:** Kudachi-Yalaparahatti 110 kV SC Line, Lynx conductor, PL-12 MW.

2) Installed capacity of the Sub-station:

Voltage Class in kV	Installed capacity in MVA	Peak Load in MW (for the Year 16-17)	Loading Factor
110/11	10	8.0	0.94
110/11	10	8.3	0.97

3) Report: 110 kV Yalaparahatti sub-station is being fed from 220 kV Kudachi sub-station by 110 kV SC line on DC towers for a distance of about 9.5 kms with Lynx conductor. The existing 2x10 MVA, 110/11 kV Transformers at 110 kV Yalaparahatti sub-station have recorded a peak load of 8.0 MW & 8.3 MW with loading factor as 0.94 & 0.97 respectively.

The existing 2x10 MVA, 110/11 kV Transformers at 110 kV Yalaparahatti sub-station are having 12 nos of 11 kV feeders. The existing 11 kV feeders are overloaded & tripping frequently. These feeders are proposed for bifurcation by HESCOM, there is no alternate arrangement for 11 kV supply. The sub-station is feeding IP set loads, commercial loads and residential loads. Hence it is very essential to arrange power supply to consumers as per scheduled chart.

The CEE TZ Bagalkot has reported that 11 kV feeders existing at 110 kV Yalaparahatti sub-station are fully loaded, the load cannot be transferred to any nearby sub-stations and requesting to consider the proposal of replacement of 10 MVA, 110/11 kV by 20 MVA, 110/11 kV Transformer.