

Eastern Regional Power Committee, Kolkata

Minutes of 2nd Special Meeting on Operationalization of 400 kV Durgapur Bus Splitting Scheme held at ERPC, Kolkata on 17th January 2019 at 11:00hrs

List of participants is enclosed at **Annexure-A**.

In the first meeting on Operationalization of 400 kV Durgapur Bus Splitting held on 26th December 2018, it was decided that there is a need of detailed discussion with the CTU, System Planning DVC, System Planning WBSETCL, and SLDC (DVC, West Bengal) on the operationalization of 400 kV Bus Split at Durgapur with existing operational scenario which has changed significantly from the revised study submitted to Standing Committee on ER Transmission Planning in 2016. In line with discussion of first meeting, 2nd meeting on Operationalization of 400 kV Durgapur Bus Splitting was held on 17th January 2019 at ERPC.

CTU vide mail informed that they could not attend the meeting due to other preoccupation and submitted their comments as follows:

- The high loading of 220kV Durgapur (PG)-Parulia (DVC) D/C and 220kV Maithon-Kalyneshwari lines of DVC may be controlled by managing DVC's generation and load at 220kV level and/or installation of SPS. DVC may suggest suitable solution in this regard based on operational studies in consultation with WBSETCL (for PPSP operation under pumping mode), ERLDC and ERPC.
- For a long term solution, reconductoring of 220kV Durgapur (PG)-Parulia (DVC) D/C (about 2km) with HTLS conductor and/or new 220kV outlets to share the load of the same may be proposed. It may be seen that there are only 2 nos. of 220kV outlets against 3 nos. of 315MVA, 400/220kV ICTs at Durgapur (3rd ICT to be installed shortly). Such proposal may be forwarded to CEA with a copy to CTU for inclusion in the agenda item for forthcoming meeting of Standing Committee on Transmission.

DVC informed that as per the study carried out by their planning division, they had not found any reliability issues in DVC network after operationalization of 400 kV Bus Split at Durgapur. DVC added that commissioning of 3rd 315 MVA, 400/220 kV ICT at Durgapur S/s is not required as per the present and future network of DVC. DVC requested for a detailed study on the requirement of 3rd 315 MVA, 400/220 kV ICT at Durgapur S/s.

WBSETCL is also agreed to the DVC observations on commissioning of 3rd 315 MVA, 400/220 kV ICT at Durgapur S/s and suggested for a detailed study.

Powergrid ERTS 2 informed that as per decision taken in 17th SCM meeting of ER held on 25-05-15, investment for 3rd ICT of 315 MVA at Durgapur and its associated bays has already been made. The ICT is now ready for commissioning by the end of Feb 2019. At this juncture it is difficult to withdraw the proposal.

After detailed deliberation, it was decided to form a Committee with members from ERPC, ERLDC, System Planning DVC, System Planning WBSETCL, and SLDC (DVC, West Bengal) to conduct a detailed study with the following scope:

- i. To find out any network constraint in DVC and West Bengal network after operationalization of 400 kV Bus Split at Durgapur
- ii. Utilization of 3rd 315 MVA, 400/220 kV ICT at Durgapur S/s

Based on the report submitted by the Committee, utilization of 3rd 315 MVA, 400/220 kV ICT at Durgapur S/s would be referred to the appropriate forum for further decision.

ERLDC was advised to share the base case for this study with System Planning DVC, System Planning WBSETCL, and SLDC (DVC, West Bengal). DVC and West Bengal were advised to submit the following details to ERLDC for carrying out the study:

- Network configuration (132kV and above) with time frame
- Station-wise Generation Scenario
- Load distribution at each node
- Information on any Unit retirement
- New lines and Transformers to be considered
- Contingencies to be considered

Participants in Special Meeting on "Operationalization of Bus Splitting scheme of 400kV Durgapur"

Venue: ERPC Conference Hall, Kolkata

Time: 11:00 hrs

Date: 17.01.2019 (Thursday)

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"Coming together is a beginning, staying together is progress, and working together is success." -Henry Ford