

## **ERPC :: KOLKATA**

### **Minutes of Special Meeting on “Shutdown of 400 kV D/C Nabinagar-Sasaram Line” held on 12.03.2020 at ERPC, Kolkata**

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

Member Secretary, ERPC chaired the meeting. He welcomed participants from Powergrid, BRBCL, BSPTCL, Eastern Central Railway, ERLDC & ERPC in the meeting. He explained that the issue was discussed in special meeting held on 02.08.2019 wherein Powergrid was advised to explore temporary connection of BRBCL power station with nearby 400kV transmission lines (i.e. 400kV Daltanganj-Sasaram D/C line or 400kV NPGC-Patna D/C line) using ERS during repair works of the defective tower of 400kV BRBCL-Sasaram D/C line. So that evacuation path would be available for Nabinagar generation plant during the shutdown period of 400kV D/C Nabinagar-Sasaram Line. Powergrid agreed to explore the possibility for the same. In 166<sup>th</sup> OCC Meeting held on 20<sup>th</sup> February 2020, Powergrid had requested for shutdown of 400kV D/C Nabinagar-Sasaram Line to replace the bend bracing by de-stringing of conductor and after that replacement of leg with support of derrick / hydra with proper guying arrangements. OCC decided to discuss the issue in separate meeting with the concerned utilities i.e. Eastern Railway, Bihar, BRBCL, Powergrid, ERLDC and ERPC.

In line with the OCC decision this meeting has been convened. The following deliberations were held in the meeting:

- Powergrid informed that they made arrangement to connect one circuit of 400kV D/C Nabinagar-Sasaram Line to one circuit of 400kV Daltanganj-Sasaram D/C line using ERS with single Moose Conductor. The new line would be 400kV Nabinagar-Sasaram S/C line (part of 400kV Daltanganj-Sasaram line). Powergrid informed that simultaneous shutdown of both lines of 400kV D/C Nabinagar-Sasaram Line is not required till restoration of 400kV Nabinagar-Sasaram S/C line (part of 400kV Daltanganj-Sasaram line) on ERS.
- Powergrid requested for three days shutdown of one circuit of 400kV D/C Nabinagar-Sasaram Line to complete the connectivity with one circuit of 400kV Daltanganj-Sasaram D/C line using ERS. Fifteen days shutdown for other circuit of 400kV D/C Nabinagar-Sasaram Line for carrying out the tower rectification work. Powergrid added that man and material is ready at site and requested to allow the shutdown at the earliest.
- POWERGRID also informed that as the ERS has been deployed as per the decision taken in special meeting held on 02.08.2019 to avail the shutdown of 400kV Nabinagar-Sasaram D/C line without affecting the generation of BRBCL, Nabinagar for rectification of bent tower caused due to heavy storm.

- BRBCL informed that they are taking Unit #3 under shutdown for overhauling from 8<sup>th</sup> April 2020 for around 40 days. BRBCL requested to take the line shutdown from 8<sup>th</sup> April 2020.
- ERPC and ERLDC advised BRBCL to prepone the overhauling of Unit #3 so that 400kV D/C Nabinagar-Sasaram Line could be allowed at the earliest.
- BRBCL informed that they had already interacted with BHEL and BHEL Engineers are not ready to prepone the overhauling of the unit.
- POWERGRID raised the concerned over criticality of bent tower and stated that they would not be responsible in case of the tower collapse due to non-availability of shutdown.
- BRBCL informed that 400kV NPGC-BRBCL line (about 10 km) was not yet completed by NPGC.
- It was opined that as a long term plan, the construction of 400kV NPGC-BRBCL line (10 km) is to be expedited for evacuation of power to BRBCL.
- BRBCL was also advised to plan for dedicated low voltage supply from state for meeting the emergency supply at the station.
- ERLDC suggested that to avoid situation like this in future, if there are two circuits planned for the evacuation of power from a generating station then separate single circuit towers should be planned instead of one double circuit tower.

After detailed deliberation, the following decisions were taken in the meeting:

- The shutdown of 400kV D/C Nabinagar-Sasaram Line shall be allowed from 8<sup>th</sup> April 2020.
- Powergrid shall use twin moose or HTLS conductor in the 400kV Nabinagar-Sasaram S/C line (part of 400kV Daltanganj-Sasaram line) on ERS so that 470 MW could flow on sustained basis to evacuate other units generation of BRBCL.
- BRBCL shall restrict their generation to 470 MW during the shutdown period of 400kV D/C Nabinagar-Sasaram Line.
- Tower rectification work of 400kV D/C Nabinagar-Sasaram Line shall be started after two days on completion of 400kV Nabinagar-Sasaram S/C line (part of 400kV Daltanganj-Sasaram line) on ERS to ensure the stability of the line restored using ERS.

Meeting ended with vote of thanks to the chair.

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## Participants in Special Meeting on Shutdown of 400 kV Nabinagar-Sasaram D/C Line

Venue: ERPC Conference Hall, Kolkata

Time: 11:00 hrs

Date: 12.03.2020

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