

**Power System Operation Corporation Limited**  
**Western Regional Load Despatch Centre, Mumbai**

**Flash Report**

MESSAGE NO- LD/10/ 1658      CATEGORY: GI- 2      DATE: 16/10/14

1. Date and Time of the Event: 16/10/2014, 13:17HRS
2. Location (Control Area) where the event occurred: 765/400KV SOLAPUR
3. Plant and / or Equipment directly involved:

| S No. | Element Name      | Outage time |
|-------|-------------------|-------------|
| 1     | 765/400 KV ICT-II | 13:17HRS    |
| 2     | 765/400 KV ICT-I  | 13:17HRS    |
|       |                   |             |
|       |                   |             |
|       |                   |             |

4. Description and likely cause of event:  
 Code LD/10/1599 (NLDC 10/334) issued to avail emergency outage on 765/400 KV ICT-II at solapur for attending diverter switch problem in OLTS as winding resistance on tap position 18,20 and 22 were found open. While opening ICT-II, ICT-I was hand tripped by operator by mistake and ICT-II was hand tripped by operator without synchronizing ICT-I. Details sent by CPCC(Nagpur) were attached.
5. Antecedent Conditions of the WR Grid at 13:16 hrs
  - a. Grid Frequency (Hz): 49.91HZ
  - b. Region Demand Met (MW): 42961MW
6. Antecedent Conditions of the affected Control Area (where the event occurred)  
 (Interchange with the Grid, Voltage, power flow, weather condition prior to the event)  
 Weather : Normal  
 Flow on 765 KV Solapur-Raichur D/C : 68MW/CKT towards SR  
 Voltage at Solapur : 778KV/393KV

**7. Impact on Grid parameters / Observations due to the event:**

NEW grid and SR grid synchronism was lost and started operating in asynchronous mode but connected through HVDC back to back at Bhadrawati and Gajuwaka and HVDC Talchar-kolar bipolar.

**8. Remedial Measures / Actions taken after the event:**

Restoration activities started as 400 KV solapur is connected with WR and 765 KV solapur is connected with SR, 765 KV solapur is separated from SR by opening breakers of solapur- Raichur I-II at solapur at 14:57 HRS

**9. Current Status:**

765/400KV ICT-I at solapur was taken into service and then 765 KV Solapur- Raichur I & II were taken into service one after one.

| S No. | Element Name              | Restoration time/<br>Status          |
|-------|---------------------------|--------------------------------------|
| 1     | 765/400 KV Solapur ICT-I  | 15:02 HRS                            |
| 2     | 765 KV Solapur-Raichur-I  | 15:39 HRS                            |
| 3     | 765 KV Solapur-Raichur-II | 15:44 HRS                            |
| 4     | 765/400 KV Solapur ICT-II | Still out / expected<br>at 20:30 HRS |
|       |                           |                                      |
|       |                           |                                      |

In compliance to regulation 5.2 (s) and 5.9.6 of the IEGC, S/I CPCC(Nagpur)WRTS-I (the Regional Entities where the event has occurred) are advised to send a written report along with disturbance recorder / sequential event recorder output to WRLDC for the purpose of analysis.

*Musahinisha*  
(Shift Charge Manager)

**Distribution:**

1. Shift Incharge all Regional Entities of Western Region