

**Bhopal Dhule Transmission Company Limited**

**I. AC Transmission Line Outage Details for the month of JUN 2023**

**Schedule I**

| Element Name                          | Outage     |          | Restoration |          | Duration of Outage Attributable to        |                |  |                          | Reason of Outage   | % Availability |
|---------------------------------------|------------|----------|-------------|----------|---|----------------|--|--------------------------|--|----------------|
|                                       | Date       | Time     | Date        | Time     | Inter-State Transmission Licensee Hrs:Min | Others Hrs:Min | System constraint/ Natural calamity/ Militancy Hrs:Min | Deemed Available Hrs:Min |  |                |
| 765 kv bus reactor at BDTCL Bhopal    | 03-06-2023 | 15:38:00 | 25-06-2023  | 20:03:00 | 0:00                                      | 0:00           | 0:00   | 532:25                   | Bus Reactor hand tripped as per RLDC instruction due to voltage regulation.  | 100%           |
| BHOPAL-INDORE 765 KV LINE             | 03-06-2023 | 17:31:00 | 03-06-2023  | 17:31:00 | 0:00                                      | 0:00           | 0:00   | 0:00                     | A/R successful due to transient R-Phase to Earth Fault   |                |
| 765 KV Indore LR at BDTCL Bhopal      | 03-06-2023 | 17:31:00 | 03-06-2023  | 18:06:00 | 0:00                                      | 0:00           | 0:00   | 0:35                     | As per 129PCM recommendation, At BDTCL Bhopal S/S during the single Phase fault and A/R in order for 765kV Bhopal Indore Line the Switchable Line Reactor (SLR) have to be trip to avoid ferroresonance, Scheme has been implement as per the decision of 129 PCM.   |                |
| 765KV S/C Aurangabad-Dhule Line       | 04-06-2023 | 12:59:00 | 04-06-2023  | 12:59:00 | 0:00                                      | 0:00           | 0:00   | 0:00                     | A/R successful due to transient Y-Phase to Earth Fault   |                |
| 765kV Dhule(BDTCL) - Vadodara(PG)     | 05-06-2023 | 16:21:00 | 05-06-2023  | 18:28:00 | 0:00                                      | 2:07           | 0:00   | 0:00                     | PGCIL taken the shutdown for taken Y phase LR into service in place of Spare phase at Vadodara end.  |                |
| 765/400 KV ICT 2 at BDTCL Dhule       | 05-06-2023 | 11:06:00 | 05-06-2023  | 15:18:00 | 0:00                                      | 0:00           | 0:00   | 4:12                     | BDTCL Taken the shutdown for the switching operation for the swapping of ICT-2 R phase with the spare unit. As per CEA regulation to ensure hot spare healthiness, in every 6 months switching operation was carried out. Last spare changeover done on on 20.12.2022. As per 540OCC for ICT switching 5hrs period will be considered under deemed availability. No maintenance activity was done. |                |
| 765/400 KV ICT 2 at BDTCL Dhule       | 08-06-2023 | 15:55:00 | 08-06-2023  | 20:51:00 | 4:56                                      | 0:00           | 0:00   | 0:00                     | BDTCL taken the emergency shutdown for attending the Heavy sparking issue in the R-Phase isolator.   |                |
| 400KV Dhule(BDTCL)-Dhule MSETCL CKT-1 | 08-06-2023 | 09:41:00 | 08-06-2023  | 10:29:00 | 0:48                                      | 0:00           | 0:00   | 0:00                     | BDTCL hand-tripped the line due to heavy sparking observed in the R-Phase isolator of Tie bay-405.   |                |
| 765/400 KV ICT 1 at BDTCL Dhule       | 09-06-2023 | 11:28:00 | 09-06-2023  | 13:15:00 | 1:47                                      | 0:00           | 0:00   | 0:00                     | ICT tripped due to malfunction of the Differential relay.  |                |
| 765 KV Bus Reactor at BDTCL Dhule     | 13-06-2023 | 17:08:00 | 13-06-2023  | 22:30:00 | 5:22                                      | 0:00           | 0:00   | 0:00                     | B/R Tripped due to Back up impedance protection operated during 765kv Dhule-Khandwa Ckt-1 Trip.  |                |
| 765KV S/C Aurangabad-Dhule Line       | 14-06-2023 | 16:23:00 | 14-06-2023  | 16:23:00 | 0:00                                      | 0:00           | 0:00   | 0:00                     | A/R successful due to transient B-Phase to Earth Fault   |                |

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| Element Name                                  | Outage     |          | Restoration |          | Duration of Outage Attributable to        |                |  |                          | Reason of  | %            |
|---|------------|----------|-------------|----------|---|----------------|--|--------------------------|--|--------------|
|   | Date       | Time     | Date        | Time     | Inter-State Transmission Licensee Hrs:Min | Others Hrs:Min | System constraint/ Natural calamity/ Militancy Hrs:Min | Deemed Available Hrs:Min | Outage   | Availability |
| 765 KV S/C Bhopal(BDTCL) Jabalpur(PGCIL) Line | 15-06-2023 | 10:01:00 | 15-06-2023  | 11:57:00 | 0:00                                      | 0:00           | 0:00   | 1:56                     | BDTCL taken the Line shutdown for spare reactor switching, As per CEA regulation to ensure hot spare healthiness, in every 6 months switching operation was carried out. Last spare changeover done on 12.01.2023. Line outage is required along with line reactor due to system constraints. As per 540OCC for BR switching 3hrs period will be considered under deemed availability. No maintenance activity was done. |              |
| 765 kV Bhopal-Jabalpur LR at Bhopal           | 15-06-2023 | 10:01:00 | 15-06-2023  | 11:57:00 | 0:00                                      | 0:00           | 0:00   | 1:56                     | BDTCL Taken the shutdown for the switching operation for the swapping of spare unit with the LR-R phase. As per CEA regulation to ensure hot spare healthiness, in every 6 months switching operation was carried out. Last spare changeover done on 12.01.2023. As per 540OCC for BR switching 3hrs period will be considered under deemed availability. No maintenance activity was done.                              |              |
| 400 kV Bhopal(BDTCL) -Bhopal(MPPTCL) II       | 19-06-2023 | 12:41:00 | 19-06-2023  | 18:30:00 | 0:00                                      | 0:00           | 0:00   | 5:49                     | MPPTCL taken the emergency shutdown for attending B-phase line dropper conductor strands damage work.  |              |
| 765 KV Bus Reactor at BDTCL Dhule             | 24-06-2023 | 02:41:00 | 24-06-2023  | 07:26:00 | 4:45                                      | 0:00           | 0:00   | 0:00                     | B/R Tripped due to Back up impedance protection operated during A/R Successful of 765kV S/C Dhule-Aurangabad Line due to Y Phase to Earth Fault  |              |
| 765KV S/C Aurangabad-Dhule Line               | 24-06-2023 | 02:41:00 | 24-06-2023  | 02:41:00 | 0:00                                      | 0:00           | 0:00   | 0:00                     | A/R successful due to transient Y-Phase to Earth Fault   |              |
| 765kV Dhule(BDTCL) - Vadodara(PG)             | 30-06-2023 | 06:15:00 | 30-06-2023  | 22:20:00 | 16:05                                     | 0:00           | 0:00   | 0:00                     | Line tripped from both end due to B-phase to E/F.  |              |

**Bhopal Dhule Transmission Company Limited**

**II. Elements where restoration time has exceeded the standards specified in Regulation 5 (b) for the month of Jun 2023**

**Schedule II**

| Element Name | Restoration time as specified in Regulation 5 (b) (in days) | Actual restoration time (in days) |
|--------------|---|-----------------------------------|
| Nil          | Nil   | Nil                               |
| Nil          | Nil   | Nil                               |
| Nil          | Nil   | Nil                               |

**III. Details of compensation paid by the inter-State transmission licensee for the month of Jun 2023**

**Schedule III**

| Element Name | Violation of Regulation 5(a) |                       | Violation of Regulation 5(b)          |                                   | Compensation paid (in Rs) |
|--------------|------------------------------|-----------------------|---------------------------------------|-----------------------------------|---------------------------|
|              | % Availability prescribed    | Actual % Availability | Restoration time prescribed (in days) | Actual restoration time (in days) |                           |
| Nil          | Nil                          | Nil                   | Nil                                   | Nil                               | Nil                       |
| Nil          | Nil                          | Nil                   | Nil                                   | Nil                               | Nil                       |
| <b>Total</b> |                              |                       |                                       |                                   | Nil                       |

