

**साप्ताहिक विवरण**

Weekly Report **वर्ष** **2019-20**/ सप्ताह संख्या **11** **अवधि** **10.06.19 से** **16.06.2019**

Year 2019-20 / Week No 11 Period from 10.06.2019 to 16.06.2019

1. (**आवृति रूपरेखा**) Frequency Profile

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **दिनांक** | **अधिकतम तात्कालिक** | **न्युनतम तात्कालिक** | **औसत** | **% of time 49.9**  **से कम** | **% of time 49.9 से 50.05 तक** | **% of time 50.05 से उपर** | **Percentage of Time Frequency Remained outside IEGC Band** | **No’s of hours frequency remained outside IEGC Band** | **FDI =No. of hours out of IEGC band/24Hrs** | **Weekly FDI =No. of hours out of IEGC band/24\*7Hrs** |
| **Date** | **Maximum Inst.** | **Minimum Inst.** | **Average** | **<49.9** | **49.9 – 50.05** | **>50.05** | **(Hours)** |
|  | **(Hz)** | **(Hz)** | **(Hz)** | **(%)** | **(%)** | **(%)** | **(%)** |  |
| **10** | **50.13** | **49.65** | **49.96** | **20.56** | **71.34** | **8.10** | **28.66** | **6.88** | **0.29** | **0.34** |
| **11** | **50.21** | **49.63** | **49.99** | **13.17** | **64.32** | **22.51** | **35.68** | **8.56** | **0.36** |
| **12** | **50.26** | **49.74** | **50.02** | **6.35** | **60.98** | **32.67** | **39.02** | **9.36** | **0.39** |
| **13** | **50.19** | **49.78** | **50.02** | **4.92** | **61.28** | **33.80** | **38.72** | **9.29** | **0.39** |
| **14** | **50.23** | **49.75** | **49.99** | **12.14** | **71.39** | **16.47** | **28.61** | **6.87** | **0.29** |
| **15** | **50.27** | **49.79** | **50.03** | **2.74** | **60.99** | **36.27** | **39.01** | **9.36** | **0.39** |
| **16** | **50.31** | **49.85** | **50.03** | **0.76** | **69.51** | **29.73** | **30.49** | **7.32** | **0.30** |

B.**विद्युतदाब रूपरेखा** Voltage Profile (**Voltages in kV )**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **दिनांक**  **Date** | **भोपाल**  **Bhopal**  **400kV** | | **खंडवा**  **Khandwa**  **400kV** | | **इटारसी**  **Itarsi**  **400kV** | | **दमोह Damoh**  **400kV** | | **नागदा Nagda**  **400kV** | | **इंदौर**  **Indore**  **400kV** | | **ग्वालियर Gwalior**  **400kV** | | **रायपुर Raipur**  **400kV** | | **रायगढ़ Raigarh**  **400kV** | |
| **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** |
| **10** | **413** | **402** | **419** | **407** | **410** | **400** | **420** | **410** | **414** | **401** | **413** | **400** | **408** | **393** | **422** | **415** | **423** | **418** |
| **11** | **412** | **400** | **419** | **408** | **410** | **399** | **419** | **409** | **413** | **401** | **413** | **401** | **409** | **395** | **424** | **417** | **424** | **418** |
| **12** | **413** | **400** | **422** | **410** | **411** | **399** | **422** | **409** | **416** | **401** | **414** | **401** | **415** | **395** | **422** | **418** | **424** | **419** |
| **13** | **414** | **400** | **423** | **410** | **413** | **400** | **422** | **411** | **419** | **404** | **417** | **403** | **411** | **394** | **423** | **416** | **425** | **416** |
| **14** | **412** | **402** | **419** | **409** | **410** | **402** | **423** | **410** | **413** | **404** | **412** | **402** | **412** | **394** | **422** | **417** | **424** | **418** |
| **15** | **414** | **401** | **420** | **409** | **412** | **401** | **423** | **410** | **415** | **404** | **414** | **403** | **414** | **395** | **422** | **416** | **424** | **417** |
| **16** | **415** | **402** | **421** | **410** | **413** | **402** | **424** | **410** | **415** | **405** | **415** | **404** | **415** | **395** | **422** | **416** | **425** | **419** |

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| **दिनांक**  **Date** | **भिलाई**  **Bhilai**  **400kV** | | **वर्धा Wardha**  **400kV** | | **धुले**  **Dhule**  **400kV** | | **परली**  **Parli**  **400kV** | | **बोईसर**  **Boisar**  **400kV** | | **कलवा**  **Kalwa**  **400kV** | | **कराड**  **Karad**  **400kV** | | **असोज**  **Asoj**  **400kV** | | **देहगाम Dehgam**  **400kV** | |
| **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** |
| **10** | **417** | **410** | **417** | **417** | **435** | **415** | **427** | **406** | **419** | **398** | **424** | **392** | **425** | **408** | **414** | **397** | **416** | **399** |
| **11** | **419** | **412** | **417** | **417** | **434** | **415** | **426** | **408** | **417** | **404** | **422** | **397** | **423** | **410** | **413** | **399** | **415** | **403** |
| **12** | **417** | **412** | **425** | **417** | **436** | **418** | **427** | **413** | **420** | **406** | **424** | **402** | **425** | **408** | **414** | **399** | **418** | **402** |
| **13** | **417** | **411** | **427** | **418** | **437** | **420** | **430** | **414** | **422** | **408** | **428** | **407** | **429** | **412** | **415** | **402** | **419** | **404** |
| **14** | **417** | **411** | **425** | **419** | **435** | **419** | **426** | **412** | **419** | **408** | **425** | **406** | **429** | **408** | **413** | **399** | **416** | **402** |
| **15** | **417** | **410** | **426** | **416** | **436** | **419** | **428** | **409** | **423** | **407** | **430** | **403** | **428** | **409** | **413** | **403** | **417** | **406** |
| **16** | **417** | **410** | **426** | **416** | **435** | **418** | **426** | **409** | **420** | **409** | **423** | **407** | **426** | **412** | **414** | **404** | **417** | **409** |

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| **दिनांक**  **Date** | **कासोर Kasor**  **400kV** | | **जेतपुर Jetpur**  **400kV** | | **अमरेली Amreli**  **400kV** | | **वापी**  **Vapi**  **400kV** | | **सीपत**  **Sipat**  **765kV** | | **सिवनी**  **Seoni**  **765kV** | | **वर्धा**  **Wardha**  **765kV** | | **बीना**  **Bina**  **765kV** | | **इंदौर**  **Indore**  **765kV** | |
| **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम Min** |
| **10** | **422** | **408** | **413** | **401** | **419** | **406** | **413** | **393** | **789** | **779** | **795** | **781** | **802** | **782** | **788** | **768** | **774** | **750** |
| **11** | **423** | **410** | **412** | **400** | **416** | **405** | **414** | **395** | **789** | **781** | **797** | **782** | **799** | **785** | **790** | **770** | **774** | **750** |
| **12** | **424** | **407** | **419** | **404** | **424** | **410** | **417** | **400** | **790** | **781** | **798** | **786** | **803** | **791** | **794** | **765** | **776** | **750** |
| **13** | **418** | **409** | **423** | **404** | **426** | **407** | **417** | **402** | **790** | **774** | **800** | **778** | **805** | **782** | **794** | **763** | **780** | **752** |
| **14** | **416** | **406** | **415** | **400** | **419** | **403** | **416** | **402** | **786** | **776** | **795** | **780** | **799** | **783** | **788** | **767** | **772** | **753** |
| **15** | **417** | **408** | **415** | **405** | **419** | **407** | **418** | **401** | **790** | **770** | **797** | **773** | **798** | **773** | **793** | **765** | **774** | **753** |
| **16** | **419** | **409** | **415** | **405** | **418** | **408** | **415** | **405** | **787** | **771** | **797** | **775** | **797** | **777** | **795** | **764** | **778** | **755** |

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| **दिनांक**  **Date** | **सासन**  **Sasan**  **765 kV** | | **सतना**  **Satna**  **765 kV** | | **तमनार**  **Tamnar**  **765 kV** | | **कोटरा**  **Kotra**  **765 kV** | | **वडोदरा**  **Vadodara**  **765 kV** | | **दुर्ग**  **Durg**  **765 kV** | | | **ग्वालियर**  **Gwalior**  **765kV** | |
| **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | **न्युनतम Min** | **अधिकतम**  **Max** | **न्युनतम**  **Min** | **अधिकतम**  **Max** | | **न्युनतम**  **Min** |
| **10** | **774** | **763** | **781** | **764** | **799** | **788** | **799** | **786** | **788** | **759** | **803** | **787** | **789** | | **761** |
| **11** | **777** | **765** | **786** | **767** | **798** | **790** | **797** | **789** | **788** | **760** | **803** | **790** | **795** | | **765** |
| **12** | **779** | **763** | **789** | **764** | **800** | **792** | **799** | **791** | **790** | **763** | **805** | **796** | **801** | | **761** |
| **13** | **779** | **761** | **789** | **762** | **800** | **781** | **800** | **779** | **795** | **765** | **806** | **785** | **795** | | **760** |
| **14** | **778** | **763** | **785** | **765** | **793** | **783** | **792** | **781** | **788** | **764** | **799** | **787** | **796** | | **763** |
| **15** | **778** | **762** | **787** | **763** | **795** | **778** | **795** | **776** | **790** | **769** | **801** | **776** | **800** | | **763** |
| **16** | **779** | **761** | **789** | **763** | **795** | **779** | **793** | **776** | **790** | **770** | **795** | **778** | **801** | | **764** |

**C**. **मुख्य उत्पादक इकाइयों की अनुपलब्धता** Major Generating unit outages:

| **अनु क्रमांक**  **Sr.No** | **युनिट**  **Unit** | **संघटक**  **Constituent/**  **IPP** | **क्षमता Capacity**  **MW** | **से**  **From**  **समय दिनांक** | | **तक**  **To**  **समय दिनांक** | | **कारण**  **Reason** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Time** | **Date** | **Time** | **Date** |  |
|  | **जीआईपीसीएल स्टेज**  GIPCL STG 2 | GSECL | 165 | 00:00 | 01-03-2018 | Still out | Still out | No schedule |
|  | **डीजीबीपी** DGBP 1 | GSECL | 107 | 12:54 | 25-09-2018 | Still out | Still out | Rotor repairing work |
|  | **बीईसीएल** BECL 2 | GSECL | 250 | 22:49 | 20-10-2018 | Still out | Still out | Coal feeding system problem |
|  | **बीईसीएल** BECL 1 | GSECL | 250 | 19:52 | 29-03-2019 | Still out | Still out | Coal feeding system problem |
|  | **डीजीबीपी** DGBP 3 | GSECL | 375 | 15:42 | 12-06-2019 | Still out | Still out | RSD. |
|  | **एसटीपीएस** STPS 3 | GSECL | 250 | 16:09 | 12-06-2019 | 03:35 | 20-06-2019 | RSD. |
|  | **डीजीबीपी** DGBP 2 | GSECL | 112 | 18:15 | 12-06-2019 | 22:30 | 19-06-2019 | RSD |
|  | **वानकबोरी** Wanakbori 1 | GSECL | 210 | 19:15 | 12-06-2019 | Still out | Still out | RSD |
|  | **वानकबोरी** Wanakbori 2 | GSECL | 210 | 19:45 | 12-06-2019 | Still out | Still out | RSD. |
|  | **गांधीनगर** Gandhinagar 3 | GSECL | 210 | 19:49 | 12-06-2019 | Still out | Still out | RSD. |
|  | **वानकबोरी** Wanakbori 5 | GSECL | 210 | 19:56 | 12-06-2019 | 20:57 | 19-06-2019 | RSD. |
|  | **गांधीनगर** Gandhinagar 2 | GSECL | 120 | 21:41 | 12-06-2019 | Still out | Still out | RSD |
|  | **वानकबोरी** Wanakbori 4 | GSECL | 210 | 06:31 | 13-06-2019 | 08:05 | 20-06.2019 | RSD |
|  | **वानकबोरी** Wanakbori 6 | GSECL | 210 | 06:41 | 13-06-2019 | 20:24 | 19-06-2019 | RSD |
|  | **उतरण स्टेज** Utran Stg II 1 | GSECL | 375 | 05:45 | 15-06-2019 | 16:03 | 19-06-2019 | RSD |
|  | **एएलटीपीएस** ALTPS 1 | GMDC | 125 | 01:20 | 12-06-2019 | Still out | Still out | Boiler problem |
|  | **जीपीपीसी** GPPC 2 | GSPC | 351 | 20:47 | 17-10-2018 | Still out | Still out | RSD |
|  | **जीपीपीसी** GPPC 1 | GSPC | 351 | 19:15 | 23-05-2019 | Still out | Still out | Non-availability of gas |
|  | **जिसेग स्टेज** GSEG STAGE II 1 | GSPC | 351 | 15:26 | 12-06-2019 | Still out | Still out | RSD. |
|  | **जीपेक** GPEC 4 | CLPIPL | 241 | 16:36 | 06-12-2018 | Still out | Still out | PPA expired |
|  | **परली** Parli 4 | MAHAGENCO | 210 | 18:45 | 05-07-2015 | Still out | Still out | Economic shutdown |
|  | **परली** Parli 5 | MAHAGENCO | 210 | 14:55 | 06-07-2015 | Still out | Still out | Economic shutdown |
|  | **पायोनीर** Pioneer- 1 | MAHAGENCO | 388 | 17:45 | 07-02-2017 | Still out | Still out | RSD |
|  | **उरण** Uran 7 | MAHAGENCO | 108 | 12:53 | 20-07-2018 | Still out | Still out | Compressor & Turbine  Blade Failure. |
|  | **आईईपीएल** IEPL | MAHAGENCO | 270 | 21:26 | 28-08-2018 | Still out | Still out | Coal shortage |
|  | **उरण** URAN B0 1 | MAHAGENCO | 120 | 12:19 | 08-09-2018 | Still out | Still out | Transformer shifting work |
|  | **डबल्यूपीसीएल** WPCL 3 | MAHAGENCO | 135 | 00:28 | 01-11-2018 | Still out | Still out | AOH |
|  | **डबल्यूपीसीएल** WPCL 1 | MAHAGENCO | 135 | 04:48 | 25-11-2018 | Still out | Still out | No PPA |
|  | **डबल्यूपीसीएल** WPCL 2 | MAHAGENCO | 135 | 00:00 | 27-11-2018 | Still out | Still out | No schedule |
|  | **परली** Parli 6 | MAHAGENCO | 250 | 00:00 | 12-12-2018 | Still out | Still out | Zero schedule |
|  | **परली** Parli 7 | MAHAGENCO | 250 | 00:00 | 12-12-2018 | Still out | Still out | Zero schedule |
|  | **डबल्यूपीसीएल** WPCL 4 | MAHAGENCO | 135 | 00:00 | 15-12-2018 | Still out | Still out | RSD |
|  | **वीआईपीएल** VIPL 1 | MAHAGENCO | 300 | 00:30 | 29-12-2018 | Still out | Still out | Coal shortage |
|  | **वीआईपीएल** VIPL 2 | MAHAGENCO | 300 | 00:15 | 17-01-2019 | Still out | Still out | Coal Shortage |
|  | **उरण** Uran 8 | MAHAGENCO | 108 | 16:01 | 20-05-2019 | Still out | Still out | Gas Shortage |
|  | **परली** PARLI 8 | MAHAGENCO | 250 | 00:00 | 04-06-2019 | Still out | Still out | No schedule |
|  | **भुसावल** Bhusawal 3 | MAHAGENCO | 210 | 20:15 | 04-06-2019 | Still out | Still out | RSD |
|  | **सातपुरा** Satpura IV 1 | MPPGCL | 250 | 14:34 | 02-05-2019 | Still out | Still out | Abnormal noise |
|  | **सातपुरा** Satpura II 6 | MPPGCL | 200 | 11:13 | 25-05-2019 | 14:47 | 16-06-2019 | Due to Low Vacuum. |
|  | **सातपुरा** Satpura II 7 | MPPGCL | 210 | 11:30 | 29-05-2019 | Still out | Still out | Vacuum low |
|  | **सिंगाजी** Singaji 1 | MPPGCL | 600 | 23:49 | 05-06-2019 | Still out | Still out | COH |
|  | **संजय गांधी टीपीएस**  Sanjay Gandhi TPS 1 | MPPGCL | 210 | 12:57 | 10-06-2019 | Still out | Still out | Furnace pressure very high |
|  | **सिंगाजी** Singaji 3 | MPPGCL | 660 | 17:54 | 10-06-2019 | Still out | Still out | ESP hopper problem |
|  | **एमबी पावर** MB Power 1 | MPPGCL | 600 | 21:57 | 10-06-2019 | 06:19 | 15-06-2019 | APH Jam |
|  | **सिंगाजी** Singaji 4 | MPPGCL | 660 | 11:16 | 14-06-2019 | Still out | Still out | ESP problem |
|  | **कोरबा पश्चिम** Korba(W)-3 | CSPGCL | 210 | 22:43 | 24-02-2019 | Still out | Still out | Y Phase jumper broken |
|  | **ट्रोम्बे** Trombay 6 | TPC | 500 | 00:00 | 06-03-2016 | Still out | Still out | Economic Shutdown |
|  | **आरजीपीपीएल** RGPPL 1B | RGPPL | 230 | 23:00 | 31-03-2014 | Still out | Still out | Kept on Dry Preservation/gas shortage |
|  | **आरजीपीपीएल** RGPPL-1A | RGPPL | 230 | 13:30 | 08-07-2014 | Still out | Still out | Kept on dry preservation/ Gas Shortage |
|  | **आरजीपीपीएल** RGPPL 2B | RGPPL | 320 | 18:30 | 15-04-2019 | Still out | Still out | Unit change over; less gas fuel |
|  | **आरजीपीपीएल** RGPPL 2A | RGPPL | 320 | 00:03 | 18-04-2019 | Still out | Still out | Unit change over; less gas fuel |
|  | **एपीएमएल मुँदरा**  APML Mundra 7 | Adani Power | 660 | 07:51 | 21-05-2019 | Still out | Still out | COH |
|  | **रतन इंडिया पावर**  RATTAN INDIA POWER (A) 5 | RPL | 270 | 17:01 | 11-06-2019 | Still out | Still out | Zero schedule. |
|  | **रतन इंडिया पावर**  RATTAN INDIA POWER (A) 4 | RPL | 270 | 17:00 | 13-06-2019 | 03:29 | 20-06-2019 | RSD |
|  | **रतन इंडिया पावर**  RATTAN INDIA POWER (A) 2 | RPL | 270 | 00:01 | 14-06-2019 | 05:03 | 20-06-2019 | Zero schedule |
|  | **रतन इंडिया पावर**  RATTAN INDIA POWER (A) 1 | RPL | 270 | 00:01 | 14-06-2019 | Still out | Still out | Zero schedule |
|  | **जेपीएल स्टेज** JPL Stg-I 2 | JPL | 250 | 21:15 | 30-08-2018 | Still out | Still out | Condenser tube leakage/Coal shortage since 00:00hrs of 02-09-2018 |
|  | **जेपीएल स्टेज** JPL Stg-I 1 | JPL | 250 | 00:00 | 24-10-2018 | Still out | Still out | Coal shortage |
|  | **जेपीएल स्टेज** JPL Stg-II 1 | JPL | 600 | 02:07 | 16-03-2019 | Still out | Still out | Condenser tube leakage./ Coal shortage |
|  | **जेपीएल स्टेज** JPL Stg-II 3 | JPL | 600 | 02:14 | 27-05-2019 | Still out | Still out | Leakage in Super Heater spray line./coal shortage wef 00:00hrs/02-06-2019 |
|  | **जेपीएल स्टेज** JPL Stg-II 4 | JPL | 600 | 13:41 | 13-06-2019 | 01:28 | 20-06-2019 | Flame failure |
|  | **जीपेक जीटी** GPEC GT 3 | TPGL | 138 | 11:36 | 10-12-2018 | Still out | Still out | No schedule(PPA expired) |
|  | **जीपेक जीटी** GPEC GT 1 | TPGL | 138 | 12:34 | 10-12-2018 | Still out | Still out | No schedule(PPA expired) |
|  | **जीपेक जीटी** GPEC GT 2 | TPGL | 138 | 18:55 | 10-12-2018 | Still out | Still out | No schedule(PPA expired) |
|  | **डीजीईएन** DGEN-52 | TPGL | 400 | 00:05 | 01-05-2019 | Still out | Still out | RSD |
|  | **डीजीईएन** DGEN-53 | TPGL | 400 | 00:40 | 01-05-2019 | Still out | Still out | RSD |
|  | **केडबल्यूपीसीएल** KWPCL 1 | KWPCL | 600 | 22:12 | 22-05-2017 | Still out | Still out | Stator earth fault protection operated/  Maintenance |
|  | **ईपीजीएल** EPGL- 2 | ESSAR | 600 | 20:25 | 24-10-2017 | Still out | Still out | Coal shortage |
|  | **एस्सार(महान)**Essar(Mahan) 2 | ESSAR | 600 | 00:21 | 01-06-2019 | Still out | Still out | Less schedule |
|  | **आरकेएम पावर** RKM Power 4 | RKMPPL | 360 | 00:00 | 20-03-2019 | Still out | Still out | Coal shortage |
|  | **आरकेएम पावर** RKM Power 3 | RKMPPL | 360 | 21:30 | 08-05-2019 | Still out | Still out | Tripped on bearing problem in ID fan; reason changed as No schedule due to no PPA since 00:00hrs/10-05-2019 |
|  | **आरकेएम पावर** RKM Power 1 | RKMPPL | 360 | 14:01 | 12-05-2019 | Still out | Still out | BTL |
|  | **टीआरएन एनर्जि** TRN Energy 2 | ACBIL | 300 | 10:16 | 13-05-2019 | Still out | Still out | Turbine vibration |
|  | **केएसके महानदी**  KSK Mahanadi 3 | KMPCL | 600 | 07:17 | 04-06-2019 | Still out | Still out | ID fan Problem |
|  | **केएसके महानदी**  KSK Mahanadi 2 | KMPCL | 600 | 11:55 | 09-06-2019 | 14:24 | 09-06-2019 | Drum level high |
|  | **सीजीपीएल** CGPL 4 | CGPL | 830 | 01:17 | 15-06-2019 | Still out | Still out | For generator inspection & capital overhauling |
|  | **सीजीपीएल** CGPL 5 | CGPL | 830 | 08:45 | 15-06-2019 | Still out | Still out | COH |
|  | **कावास** Kawas ST 1C | NTPC | 106 | 05:53 | 02-05-2019 | 21:18 | 19-06-2019 | RSD,no requisition on RLNG |
|  | **वीएसटीपीएस** VSTPS 5 | NTPC | 210 | 00:08 | 09-05-2019 | Still out | Still out | AOH |
|  | **कावास** Kawas GT 1A | NTPC | 106 | 09:41 | 11-05-2019 | Still out | Still out | RSD |
|  | **सिपत** SIPAT I 1 | NTPC | 660 | 01:17 | 17-05-2019 | Still out | Still out | AOH |
|  | **वीएसटीपीएस** VSTPS 7 | NTPC | 500 | 10:35 | 19-05-2019 | Still out | Still out | GT 7R bushing failure, subsequently impedance protection, turbine overspeed etc |
|  | **गांधार** Gandhar 4 | NTPC | 224 | 01:23 | 01-06-2019 | Still out | Still out | RSD |
|  | **सोलापुर टीपीएस**  Solapur STPS 2 | NTPC | 660 | 23:52 | 02-06-2019 | 17:47 | 12-06-2019 | RSD |
|  | **गांधार** Gandhar GT 3 3 | NTPC | 144 | 22:44 | 06-06-2019 | Still out | Still out | RSD |
|  | **कावास** Kawas ST 2C | NTPC | 106 | 10:20 | 07-06-2019 | Still out | Still out | RSD |
|  | **कावास** Kawas GT 2B | NTPC | 106 | 09:58 | 12-06-2019 | Still out | Still out | RSD |
|  | **कावास** Kawas GT 2A | NTPC | 106 | 10:28 | 12-06-2019 | Still out | Still out | RSD |
|  | **गांधार** Gandhar GT 1 1 | NTPC | 144 | 08:32 | 13-06-2019 | 01:28 | 20-06-19 | RSD |
|  | **सोलापुर टीपीएस**  Solapur STPS 2 | NTPC | 660 | 23:30 | 13-06-2019 | Still out | Still out | RSD |
|  | **गांधार** Gandhar GT 3 3 | NTPC | 144 | 00:00 | 14-06-2019 | Still out | Still out | C-inspection(Major Overhauling) |
|  | **गांधार** Gandhar 4 | NTPC | 224 | 11:49 | 14-06-2019 | Still out | Still out | RSD |
|  | **गांधार** Gandhar GT 2 2 | NTPC | 144 | 11:54 | 14-06-2019 | 22:23 | 20-06-2019 | RSD |
|  | **कावास** Kawas GT 1B | NTPC | 106 | 16:43 | 15-06-2019 | 16:43 | 19-06-2019 | RSD |
|  | **सोलापुर टीपीएस**  Solapur STPS 1 | NTPC | 660 | 01:21 | 16-06-2019 | Still out | Still out | RSD |

**Note: Units out for more than 72 hrs are only included.**

**मुख्य पारागमन की अनुपलब्धता** Major Transmission element outages

| **अनु क्रमांक**  **Sr.No** | **युनिट**  Unit | **संघटक**  Constituent/ IPP | **क्षमता**  kV | **से**  From  **समय दिनांक** | | **तक**  To  **समय दिनांक** | | **कारण**  Reason |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Time** | **Date** | **Time** | **Date** |  |
|  | Vindhyachal-Satna-3 50MVAR L/R at Vindhyachal | NTPC | 400 | 11:45 | 30-01-2016 | Still out | Still out | Y-phase bushing completely damaged |
|  | Athena -Kotra(PS)-I | PGCIL | 400 | 22:02 | 30-04-2016 | Still out | Still out | Y-Phase DF/DT relay operated/ Kept out after First time charged |
|  | Athena-Kotra(PS)-II | PGCIL | 400 | 11:46 | 01-05-2016 | Still out | Still out | For testing and checking Works / Kept out after First time charged |
|  | Raipur-Raigarh-FSC II | PGCIL | 400 | 07:48 | 06-07-2016 | Still out | Still out | Due to fire at TCSC |
|  | Raigarh-Raipur FSC-1 | PGCIL | 400 | 08:42 | 08-07-2016 | Still out | Still out | Main control system computer failure |
|  | Karad-Lonikhand-1 80MVAR L/R at Karad | MSETCL | 400 | 17:11 | 14-09-2017 | Still out | Still out | R&Y phase LA burst |
|  | Karad-Solapur(Idle Charged Portion at Karad)-S/C | WTPL | 400 | 09:40 | 15-11-2017 | Still out | Still out | Maintenance work at Karad |
|  | Raipur-Wardha FSC-1 | PGCIL | 400 | 14:04 | 01-02-2018 | Still out | Still out | A/R Operated successfully at both end; Damping resistor burnt |
|  | Tiroda 240MVAR B/R | ATIL | 765 | 18:22 | 01-03-2018 | Still out | Still out | Voltage Regulation |
|  | Satpura ICT-1 | MPPTCL | 400/220 | 21:53 | 19-04-2018 | Still out | Still out | Differential protection operated/  Being disconnected from the grid as intimated in 514th OCC |
|  | Jetpur-1 (50MVAR) B/R | GETCO | 400 | 03:04 | 09-06-2018 | Still out | Still out | The Bushing of Y-Phase blast damaging the Bushing of R & B phase. |
|  | Unosugen 80MVAR B/R | GETCO | 400 | 10:51 | 11-07-2018 | Still out | Still out | GIS cannibalisation work at Uno Sugen |
|  | Bhusawal 50MVAR B/R | MSETCL | 400 | 13:49 | 10-11-2018 | Still out | Still out | Maintenance |
|  | Padge ICT-1 | PGCIL | 400/220 | 10:07 | 15-11-2018 | Still out | Still out | Differential protection operated |
|  | Raipur-Wardha FSC-2 | PGCIL | 400 | 14:12 | 17-11-2018 | Still out | Still out | Tripped along with the line; line tripped on fault; As intimated by RTAMC During dissipation of surge energy of fault during AR, the Damping resistor, IPS tube connectors to Damping resistor, cables on circuit of Raipur FSC#2 was damaged. |
|  | Balco ICT-1 | BALCO | 400/220 | 11:46 | 07-12-2018 | Still out | Still out | Tripped while charging bus-2 and ICTs at Dharamjaygarh as reported by BALCO |
|  | Bina(PG)-NHPTL(Bina)-S/C | PGCIL | 765 | 16:00 | 30-01-2019 | Still out | Still out | At 16:00hrs, for 75ms, FC-3.86kA, Subsequently GT fault occurred and fault current shoot up to 7kA peak, as reported by NHPTL and laboratory protection operated and GT(generator transformer) along with 765KV line tripped at 16:00hrs |
|  | Korba(NTPC)-Korba(W)-I | PGCIL | 400 | 21:32 | 16-02-2019 | Still out | Still out | To control fault level at Korba NTPC |
|  | Charanka ICT-1 | GETCO | 400/220 | 10:36 | 20-02-2019 | Still out | Still out | Oil leakage |
|  | Vav ICT-2 (500 MVA) | GETCO | 400/220 | 10:22 | 02-04-2019 | Still out | Still out | Completion of pending work |
|  | Dhariwal 80 MVAR B/R | DIL | 400 | 08:21 | 12-04-2019 | Still out | Still out | Differential protection operated. |
|  | Chandrapur-II ICT-II | MSETCL | 400/220 | 15:25 | 12-04-2019 | Still out | Still out | Tie breaker R-phase pole burst (Idle charged ICT) |
|  | Chandrapur-II ICT-I | MSETCL | 400/220 | 17:10 | 12-04-2019 | Still out | Still out | CVT porcelain collars of the ICT -I are damaged |
|  | GMR Emco (80MVAR) B/R | GMR WAR | 400 | 11:28 | 27-04-2019 | Still out | Still out | Attending PRV leakage. WTI & OTI checking |
|  | Bilaspur (PGCIL) Bilaspur Essar Mahan 2 L/R at Bilaspur | PGCIL | 400 | 13:07 | 08-05-2019 | Still out | Still out | To attend The moisture in oil found 25 PPM |
|  | Pune(PG) ICT-3 | PGCIL | 400/220 | 11:09 | 12-05-2019 | Still out | Still out | Opened on LV side to control 220kv line loadings |
|  | Champa-Kurukshetra Pole-III | PGCIL | 800 HVDC | 01:52 | 13-05-2019 | Still out | Still out | SF6 leakage observed in HV voltage divider of Pole 3 at Kurukshetra end |
|  | Hadala-Varsana-I | GETCO | 400 | 14:12 | 14-05-2019 | 21:43 | 15-06-2019 | Due to Tilting / near collapse of tower at Loc no: 262 |
|  | Adani-Hadala-I | GETCO | 400 | 14:16 | 14-05-2019 | 22:00 | 15-06-2019 | Due to Tilting / near collapse of tower at Loc no: 262 |
|  | Vindhyachal-Sasan-3 63MVAR L/R at Vindhyachal | NTPC | 400 | 20:23 | 14-05-2019 | Still out | Still out | Low oil level at Y-phase bushing |
|  | Dgen ICT I | DGEN | 400/220 | 12:24 | 15-05-2019 | Still out | Still out | ICT-1 will remain De-energised during RSD and shutdown for energy conservation. |
|  | VSTPS(III)-VSTPS(V)-I | NTPC | 400 | 08:56 | 21-05-2019 | Still out | Still out | To control fault level at VSTPS |
|  | VSTPS(III)-VSTPS(V)-TIELINE-II | NTPC | 400 | 09:39 | 21-05-2019 | Still out | Still out | To control fault level at VSTPS |
|  | DGEN-ICT-II | DGEN | 400/220 | 11:50 | 21-05-2019 | Still out | Still out | Shutdown for energy conservation after completion of testing |
|  | GMR Bus reactor B/R | GCEL | 400 | 16:15 | 23-05-2019 | Still out | Still out | Oil leakage |
|  | Asoj ICT-1 | GETCO | 400/220 | 09:06 | 24-05-2019 | Still out | Still out | The ICT-1 tripped as the Y - Phase unit of 400/220 kV ICT -1 got blast at 09:06 Hrs |
|  | Boisar ICT-1 (315 MVA) | PGCIL | 400/220 | 18:16 | 31-05-2019 | Still out | Still out | Opened at 220kv side only to control 220KV line loadings at Boisar |
|  | Seoni-Khandwa FSC-1 | PGCIL | 400 | 20:44 | 31-05-2019 | Still out | Still out | Voltage Regulation |
|  | Seoni-Khandwa FSC-2 | PGCIL | 400 | 20:44 | 31-05-2019 | Still out | Still out | Voltage Regulation |
|  | Singhaji-Pitampur-I | MPPTCL | 400 | 15:27 | 02-06-2019 | Still out | Still out | Tripped on B-phase fault; tower collapse reported between locations 159-168 |
|  | Singhaji-Pitampur-II | MPPTCL | 400 | 15:27 | 02-06-2019 | Still out | Still out | tripped on R Ph earth fault; tower collapse reported between locations159-168 |
|  | Dharamjaygarh(PG)-Jabalpur(PS)-I | PGCIL | 765 | 18:07 | 02-06-2019 | Still out | Still out | Manually opened due to high voltage |
|  | MB Power 125MVAR B/R | JAYPEE | 400 | 11:31 | 03-06-2019 | Still out | Still out | To reduce the auxilary Power consumption/Voltage regulation |
|  | Bus-2 at Bhuj | PGCIL | 220 | 12:28 | 03-06-2019 | 13:39 | 14-06-2019 | Jumpering, Primary Stability & Bus bar protection / Stability test for Bay no. 205 & 208 |
|  | Bus-1 at Bhuj | PGCIL | 220 | 12:28 | 03-06-2019 | 13:36 | 14-06-2019 | Jumpering, Primary Stability & BUs bar protection / Stability test for Bay no. 205 & 208 |
|  | Raichur-Solapur-II | PGCIL | 765 | 17:42 | 03-06-2019 | Still out | Still out | Y-phase earth fault, 5 towers collapsed between location no. 144-148 as reported by RSTCL; two towers partially damaged |
|  | Bina(PG)-NHPTL(Bina)-S/C | PGCIL | 400 | 14:08 | 04-06-2019 | Still out | Still out | Testing work completed |
|  | Bhadrawati Pole-2 | PGCIL | 500 HVDC | 18:17 | 05-06-2019 | 21:44 | 19-06-2019 | Due to AC>DC alarm operated |
|  | Bhuj ICT-1 | PGCIL | 400/220 | 16:30 | 06-06-2019 | 13:36 | 14-06-2019 | LV & HV Side both/primary stability & busbar protection / stabilty test for bay no. 205 & 208 |
|  | Bhuj ICT-2 | PGCIL | 400/220 | 16:31 | 06-06-2019 | 13:39 | 14-06-2019 | LV & HV Side both/primary stability & busbar protection / stabilty test for bay no. 205 & 208 |
|  | Raigarh-Kotra PS-II | PGCIL | 400 | 13:38 | 07-06-2019 | Still out | Still out | To control fault level at Kotra;idle charged at Raigarh end with revised settings at 16:27hrs |
|  | Raigarh-Kotra PS-I | PGCIL | 400 | 13:38 | 07-06-2019 | Still out | Still out | To control fault level at Kotra;idle charged at Raigarh end with revised settings at 16:27hrs |
|  | Jabalpur(PS)-Bina(PG)-III | STERLITE | 765 | 16:34 | 07-06-2019 | Still out | Still out | Y-B phase to phase fault; 4 towers collapsed |
|  | Aurangabad (PG) - Padghe (PG)-II | PGCIL | 765 | 01:29 | 08-06-2019 | 07:22 | 19-06-2019 | Manually opened due to high voltage |
|  | Durg-Jharsuguda-2 | STERLITE | 765 | 19:20 | 08-06-2019 | 12:40 | 19-06-2019 | Manually opened due to high voltage |
|  | Kawas-Haldarwa-II | PGCIL | 220 | 21:32 | 08-06-2019 | 14:29 | 13-06-2019 | To control loading on 220KV Jhanor-Haldarwa-1&2 |
|  | Durg-Kotra-II | PGCIL | 765 | 16:18 | 09-06-2019 | Still out | Still out | Manually opened due to high voltage |
|  | JPNigri-Satna-II-II | JAYPEE | 400 | 03:44 | 10-06-2019 | 07:15 | 10-06-2019 | To attend sparking on isolator |
|  | Bhopal(BDTCL) 125 MVAR BR | STERLITE | 400 | 07:30 | 10-06-2019 | 19:08 | 10-06-2019 | AMP works |
|  | Bina PG-JP Bina-S/C | PGCIL | 400 | 07:43 | 10-06-2019 | 19:34 | 10-06-2019 | Annual maintenance work |
|  | Pitampur- Badanawar-II | MPPTCL | 400 | 07:57 | 10-06-2019 | 08:40 | 10-06-2019 | Bus bar protection relay work |
|  | Nagda ICT-3 | MPPTCL | 400/220 | 08:03 | 10-06-2019 | 16:14 | 11-06-2019 | Maintenance |
|  | Nagda (MPPTCL) - Bus I | MPPTCL | 400 | 08:28 | 10-06-2019 | 18:40 | 12-06-2019 | For replacement of disc insulator strings |
|  | Singhaji-Chhegoan-I | MPPTCL | 400 | 08:50 | 10-06-2019 | 16:28 | 10-06-2019 | Maintenance |
|  | Karad-Jaigad-II | MSETCL | 400 | 09:16 | 10-06-2019 | 19:15 | 10-06-2019 | To attend decapped insulators |
|  | Bhopal ICT-IV | MPPTCL | 400/220 | 09:24 | 10-06-2019 | Still out | Still out | For attending oil leakage from transformer by M/s BHEL and attending problem of 33KV Tertiarry isolator |
|  | Lonikhand-Koyna-IV-I | MSETCL | 400 | 09:54 | 10-06-2019 | 18:14 | 10-06-2019 | Chemical cleaning of insulators |
|  | Taptitanda-Deepnagar-S/C | MSETCL | 400 | 09:57 | 10-06-2019 | 15:03 | 10-06-2019 | Distance relay replacement |
|  | JPL-JPL\_extn(Tamnar)-I | JPL | 400 | 10:15 | 10-06-2019 | 19:30 | 10-06-2019 | Checking of Wave Trap, CVT and PLCC |
|  | Kolhapur (PGCIL) 80 MVAR BR | PGCIL | 400 | 10:31 | 10-06-2019 | 18:03 | 10-06-2019 | Voltage Regulation |
|  | Bachhau(PG) 220kV Bus II | PGCIL | 220 | 11:05 | 10-06-2019 | 21:27 | 10-06-2019 | For application of Silicon grease/RTV in bay equipment (bus isolator) |
|  | Korba-Bhatapara-S/C | PGCIL | 400 | 11:18 | 10-06-2019 | 17:42 | 10-06-2019 | To replace critical Punctured insulators |
|  | Akola ICT-1 | MSETCL | 400/220 | 12:50 | 10-06-2019 | 13:50 | 10-06-2019 | PDR operated |
|  | Wardha(PG)-Akola(MS)-II | PGCIL | 400 | 14:23 | 10-06-2019 | 19:49 | 10-06-2019 | Hand tripped in emergency by powergrid |
|  | Akola(MS)-Indiabulls(Amrawati)-S/C | MSETCL | 400 | 14:23 | 10-06-2019 | 14:47 | 10-06-2019 | Tripped as Main Bay of Amrawati at Akola was already out after tripping of Wardha-Akola by PG |
|  | Pune GIS 240MVAR BR | PGCIL | 765 | 14:57 | 10-06-2019 | 20:36 | 10-06-2019 | Voltage Regulation |
|  | Pune (50MVAR) BR | PGCIL | 400 | 15:04 | 10-06-2019 | 21:53 | 10-06-2019 | Voltage Regulation |
|  | Raipur-Durg-II | PGCIL | 400 | 15:38 | 10-06-2019 | Still out | Still out | To control the fault level.Line is ideaaly charged from Raipur (PG) end. |
|  | Raipur-Durg-I | PGCIL | 400 | 15:38 | 10-06-2019 | Still out | Still out | To control the fault level. Line is ideaaly charged from Raipur (PG) end. |
|  | Banaskanta-Chhittorgarh-I | PGCIL | 765 | 15:47 | 10-06-2019 | 17:00 | 10-06-2019 | Hand tripped at Chittorgarh due to Chattering in PLCC panel. |
|  | Aurangabad(MSETCL-Waluj)-Pune GIS(Shikrapur)-II | RETL | 400 | 17:42 | 10-06-2019 | 19:40 | 10-06-2019 | Pune end 2.2KA, R ph,148.8KM |
|  | Pune(PG)-Chakan-I | MSETCL | 400 | 17:50 | 10-06-2019 | 01:16 | 11-06-2019 | Pune end R Ph 13.66 KA,7.6KM, Chakan end R Ph 6.7 KA, 9.5 KM |
|  | Aurangabad-Wardha-II | PGCIL | 765 | 17:59 | 10-06-2019 | 17:20 | 17-06-2019 | Manually opened due to high voltage |
|  | Wardha-Aurangabad-2 330MVAR LR @Wardha | PGCIL | 765 | 17:59 | 10-06-2019 | 18:13 | 10-06-2019 | Converted LR to BR at Wardha end. |
|  | Padghe-Nagothane-I | MSETCL | 400 | 19:44 | 10-06-2019 | 13:30 | 11-06-2019 | Padghe end Y Ph, 4.3 KA, 79 KM |
|  | Padghe-Nagothane-II | MSETCL | 400 | 19:45 | 10-06-2019 | 15:36 | 11-06-2019 | Padghe end Y-B Ph, 4.6 KA, 117 KM;Charged at Padghe only; kept open at Nagothane due to Main Breaker problem(TBC engaged) |
|  | Aurangabad-Boisar-I | PGCIL | 400 | 20:09 | 10-06-2019 | 20:09 | 10-06-2019 | A/R successful on B ph fault |
|  | Aurangabad-Boisar-II | PGCIL | 400 | 20:16 | 10-06-2019 | 20:16 | 10-06-2019 | A/R successful on Y ph fault |
|  | Kalwa-Padghe-II | MSETCL | 400 | 21:20 | 10-06-2019 | 16:11 | 11-06-2019 | B-phase earth fault |
|  | Raipur PS(Durg)-Wardha(PG)-III | PGCIL | 765 | 21:31 | 10-06-2019 | 10:47 | 20-06-2019 | Manually opened due to high voltage |
|  | Durg(PS) (PGCIL) Line Reactor S/W of Wardha-Durg-3 LR@Durg(PS) | PGCIL | 765 | 21:31 | 10-06-2019 | 21:42 | 10-06-2019 | Voltage Regulation |
|  | Kalwa ICT-1 | MSETCL | 400/220 | 21:37 | 10-06-2019 | 22:20 | 10-06-2019 | opened at LV only to control loading on Kalwa-Padghe-1 |
|  | Kalwa 500MVA ICT-3 | MSETCL | 400/220 | 21:40 | 10-06-2019 | 00:47 | 11-06-2019 | Buchholtz relay operated |
|  | Khandwa-Nepanagar-I | PGCIL | 220 | 22:23 | 10-06-2019 | 00:57 | 11-06-2019 | To control o/D by MP |
|  | Pune(Talegaon)-Khargar-II | MSETCL | 400 | 22:34 | 10-06-2019 | 03:42 | 11-06-2019 | Y- phase earth fault |
|  | Morena 125 MVAR B/R BR | ATIL | 400 | 22:47 | 10-06-2019 | 04:48 | 11-06-2019 | Voltage Regulation |
|  | Kalwa ICT-IV | MSETCL | 400/220 | 00:46 | 11-06-2019 | 11:03 | 11-06-2019 | To control ,loading on Kalwa-Padghe-1 |
|  | Vadavi ICT-1 | PGCIL | 400/220 | 07:37 | 11-06-2019 | 16:10 | 11-06-2019 | Maintenance |
|  | Asoj (GETCO) -Bus I | GETCO | 400 | 07:43 | 11-06-2019 | 10:32 | 11-06-2019 | Cleaning of insulator strings and fly over bus as carbon deposition found on insulators due to flashover of 400/220KV, 167 MVA, ICT-1, Y phase unit and fire occurred on 24-05-19. |
|  | Jaigad-New Koyna-II | JSW | 400 | 08:00 | 11-06-2019 | 16:27 | 11-06-2019 | To attend decapped insulators |
|  | Amreli ICT -4 | GETCO | 400/220 | 08:01 | 11-06-2019 | 16:48 | 11-06-2019 | Water washing works |
|  | SSP-Rajgarh-I | SSP | 400 | 08:16 | 11-06-2019 | 17:37 | 11-06-2019 | Maintenance work / ckt-2 AR off |
|  | Rajgarh (PGCIL) - SSP- I 63 MVAR LR@Rajgarh | PGCIL | 400 | 08:16 | 11-06-2019 | 18:02 | 11-06-2019 | L/R was charged as B/R |
|  | Lonikhand-Koyna-IV-I | MSETCL | 400 | 08:20 | 11-06-2019 | 18:06 | 11-06-2019 | Chemical Cleaning |
|  | Bhilai(Khedamarea) ICT-1 | PGCIL | 400/220 | 08:29 | 11-06-2019 | 11:52 | 11-06-2019 | The oil leakage in 33 KV PT (R-phase) |
|  | Bachhau(PG) 220kV Bus II | PGCIL | 220 | 08:42 | 11-06-2019 | 18:45 | 11-06-2019 | For application of Silicon grease/RTV in bay equipment (bus isolator) |
|  | Khandwa-2 (125MVAR) BR | PGCIL | 400 | 09:34 | 11-06-2019 | 17:24 | 11-06-2019 | For AMP work |
|  | Pune GIS 240MVAR BR | PGCIL | 765 | 10:32 | 11-06-2019 | 17:41 | 11-06-2019 | Voltage Regulation |
|  | Warora (PGCIL) (PGCIL) 765kV New Parli-1 L/R at Warora L/R at Warora | PGCIL | 765 | 11:23 | 11-06-2019 | 17:41 | 11-06-2019 | very low oil level is found in the conservator tank in Y ph |
|  | BDTCL Bhopal (Sterlite) -Jabalpur PS 240MVAR L/R at BDTCL Bhopal | STERLITE | 765 | 12:25 | 11-06-2019 | 13:21 | 11-06-2019 | heavy oil leakage from the top of 765 kV, 240 MVAr Jabalpur Line Reactor R-phase |
|  | Parli(MSEB)-Nanded-II | MSETCL | 400 | 13:47 | 11-06-2019 | 16:49 | 11-06-2019 | Tripped on Y- phase earth fault |
|  | Damoh-Katni-I | MPPTCL | 400 | 13:53 | 11-06-2019 | 14:24 | 11-06-2019 | Tripped on R- phase earth fault |
|  | Kosamba ICT-1 | GETCO | 400/220 | 14:00 | 11-06-2019 | 14:21 | 11-06-2019 | LA Replacement |
|  | Morena 125 MVAR B/R BR | ATIL | 400 | 15:38 | 11-06-2019 | Still out | Still out | Voltage Regulation |
|  | Aurangabad (PG) - Padghe (PG)-I | PGCIL | 765 | 16:14 | 11-06-2019 | 17:13 | 11-06-2019 | Tripped at B- phase earth fault |
|  | Dhule ICT-2 | MSETCL | 400/220 | 16:40 | 11-06-2019 | 19:00 | 11-06-2019 | NDR |
|  | Dhule ICT-3 | MSETCL | 400/220 | 16:40 | 11-06-2019 | 17:56 | 11-06-2019 | NDR |
|  | SSP-Rajgarh-I | SSP | 400 | 17:37 | 11-06-2019 | 20:43 | 11-06-2019 | Manually opened due to high voltage |
|  | BDTCL Dhule-Dhule (MSETCL)-II | STERLITE | 400 | 18:29 | 11-06-2019 | 19:46 | 11-06-2019 | Rectification of Cable Breakage of Surge counter |
|  | SSP-Rajgarh-II | MPPTCL | 400 | 20:03 | 11-06-2019 | Still out | Still out | B- phase earth fault |
|  | SSP-Rajgarh-I | SSP | 400 | 20:43 | 11-06-2019 | Still out | Still out | 400Kv line SSP \_Raj I, it is to inform that Main I & main II carrier fail alarm persist on 400Kv SSP - Raj I panel at SSP & Rajgarh end, therefore line can not be taken in service. |
|  | Korba(E)-Budhipadar-II | PGCIL | 220 | 00:36 | 12-06-2019 | 02:08 | 12-06-2019 | Korba end Y-B fault, 177.53 KM, Y=1.59 KA, B=1.42 KA, LA burst in one of 220 kv line at Budhipadar |
|  | Raigarh-Budhipadar S/C | PGCIL | 220 | 00:36 | 12-06-2019 | 02:22 | 12-06-2019 | Raigarh end Y-B fault, 84 KM, Y=2.4 KA, B=0.7KA, LA burst in one of 220 kv line at Budhipadar |
|  | Korba(E)-Budhipadar-III | PGCIL | 220 | 00:36 | 12-06-2019 | 20:23 | 12-06-2019 | Korb end No indication. LA burst in one of 220 kv line at Budhipadar ' Line charged from Budhipadar end at 1:48 hrs but H/T from Budhipadar end at 01:57 hrs as Y-B & B-R ph to Ph value lowvoltages |
|  | Daramjaygarh(PG)-Jabalpur(PS)-IV | STERLITE | 765 | 02:07 | 12-06-2019 | Still out | Still out | Manually opened due to high voltage |
|  | Korba(E)-Budhipadar-II | PGCIL | 220 | 02:46 | 12-06-2019 | 20:21 | 12-06-2019 | Hand tripped from Budhipadar end due to low ccurrent vaule in B ph at Both Korb(E) & Budhipadar end |
|  | Mundra-SAMI-I | ATIL | 400 | 03:34 | 12-06-2019 | 14:45 | 12-06-2019 | Y-B phase fault.124.7km from APL and 275Km from Sami. Fault current-APL:Y-ph-27.63kA,B-ph-27.04kA. Sami:Y-ph-1.8kA,B-ph-2.25kA. |
|  | APL Mundra-Charanka-I | GETCO | 400 | 03:34 | 12-06-2019 | 05:41 | 12-06-2019 | Tripped at Charanka end only, A/R lock out, 254.66Km from Charanka. |
|  | Solapur (NTPC) 400kV BUS II | NTPC | 400 | 06:11 | 12-06-2019 | 07:07 | 12-06-2019 | Due to Bursting of bus reactor breaker at Solapur-MH |
|  | Solapur(MS)-Solapur(PG)-I | MSETCL | 400 | 06:11 | 12-06-2019 | 07:01 | 12-06-2019 | Due to Bursting of bus reactor breaker at Solapur-MH |
|  | Parli(MS)-Solapur(MS)-S/C | MSETCL | 400 | 06:11 | 12-06-2019 | 07:16 | 12-06-2019 | Due to Bursting of bus reactor breaker at Solapur-MH |
|  | Kalwa ICT-2 | MSETCL | 400/220 | 06:29 | 12-06-2019 | 09:02 | 12-06-2019 | DC Attending works |
|  | Bina PG-JP Bina-S/C | PGCIL | 400 | 08:30 | 12-06-2019 | 20:26 | 12-06-2019 | Annual maintenance work |
|  | VAPI-Kala-I | PGCIL | 400 | 08:45 | 12-06-2019 | 12:07 | 12-06-2019 | To attend flash over/broken insulator at loc no 90. |
|  | Rewa(PG)-VSTPS-I | PGCIL | 400 | 09:57 | 12-06-2019 | 12:38 | 12-06-2019 | To isolate the non-switchable L/R of 400kV Vindhyachal-Jabalpulr-4 at NTPC for Conditional assessment testing |
|  | VSTPS (NTPC) VSTPS-Rewa-I L/R atVSTPS (NTPC) | NTPC | 400 | 09:57 | 12-06-2019 | 18:03 | 13-06-2019 | For Conditional assessment testing |
|  | Bilaspur (PGCIL) L/R of Bilaspur-Rajnandgaon-1 L/R at Bilaspur (PGCIL) | ATIL | 765 | 10:04 | 12-06-2019 | 19:32 | 12-06-2019 | Intergration of spare Reactor selection scheme with switchable Rajnandgaon#1 LR and trial and final tuning of CSD on reactor CB. |
|  | Raipur-Bhadrawati-III | PGCIL | 400 | 10:05 | 12-06-2019 | 10:39 | 12-06-2019 | To facilitate the E/S of L/R at Bhadrawati |
|  | Bhadrawati-Raipur-3 63MVAR L/R at Bhadrawati | PGCIL | 400 | 10:05 | 12-06-2019 | 10:39 | 12-06-2019 | For attending oil leakage in B Ph line reactor at Bhadrawati SS |
|  | Kolhapur 80 MVAR B/R | PGCIL | 400 | 10:42 | 12-06-2019 | 16:39 | 12-06-2019 | Voltage Regulation |
|  | Solapur (Lamboti) (MSETCL) -Bus II | MSETCL | 400 | 11:42 | 12-06-2019 | 16:14 | 12-06-2019 | Removing of Jumps of Main Bus II at Reactor Bay for removing of damaged 409-89B Bus side isolator and 409-52 Circuit Breaker |
|  | Amreli-Jetpur-II | GETCO | 400 | 12:26 | 12-06-2019 | 15:17 | 12-06-2019 | Tripped on B- phase earth fault |
|  | Aurangabad-Boisar-II | PGCIL | 400 | 12:46 | 12-06-2019 | 22:11 | 12-06-2019 | Porcelain disc Insulator replacement with polymer insulators |
|  | Satna(PG)-Bina(PG)-I | PGCIL | 765 | 14:31 | 12-06-2019 | 15:02 | 12-06-2019 | R- phase earth fault |
|  | Padghe ICT-5 | MSETCL | 400/220 | 15:29 | 12-06-2019 | 16:34 | 12-06-2019 | OTI R&Y ph trip |
|  | BALCO-Daramjaygarh-I | BALCO | 400 | 15:43 | 12-06-2019 | 15:49 | 12-06-2019 | Line tripped from BALCO only due to B-E fault. A/R successful at Daramjaygarh end. |
|  | Bhachau(PG)-Essar Vadinar(GETCO)-I | PGCIL | 400 | 15:56 | 12-06-2019 | Still out | Still out | Y- phase earth fault |
|  | Nagothane-ICT-3 | MSETCL | 400/220 | 16:00 | 12-06-2019 | 16:40 | 12-06-2019 | 220kV Bus-2 CT jumper snapped and lead to 220kV Bus-2 trip |
|  | Kakrapar-Vapi-II | PGCIL | 220 | 16:39 | 12-06-2019 | 19:05 | 12-06-2019 | B- phase earth fault |
|  | CGPL-Jetpur-I | PGCIL | 400 | 16:50 | 12-06-2019 | 17:36 | 12-06-2019 | Y- phase earth fault |
|  | CGPL-Jetpur-II | PGCIL | 400 | 16:50 | 12-06-2019 | 16:50 | 12-06-2019 | A/R successful |
|  | APL- Versana-III | ATIL | 400 | 17:09 | 12-06-2019 | 18:24 | 12-06-2019 | B- phase earth fault |
|  | Dhule-Saradar Sarovar-II | MSETCL | 400 | 17:12 | 12-06-2019 | 22:27 | 12-06-2019 | Manually opened due to high voltage |
|  | Badanawar- 125MVAR BR | MPPTCL | 400 | 17:23 | 12-06-2019 | 19:17 | 13-06-2019 | Tripped due to Sudden pressure |
|  | Nagda\_Badanawar-II | MPPTCL | 400 | 17:29 | 12-06-2019 | 02:15 | 13-06-2019 | Y- phase earth fault |
|  | Vindhayachal(PS)-Satna(PG)-I | PGCIL | 765 | 18:50 | 12-06-2019 | 20:17 | 12-06-2019 | R-Y phase to phase fault |
|  | Soja-Wanakbori-I | GETCO | 400 | 19:38 | 12-06-2019 | 21:05 | 12-06-2019 | B- phase earth fault |
|  | Kansari-Vadavi-I | PGCIL | 400 | 19:43 | 12-06-2019 | 22:13 | 12-06-2019 | B- phase earth fault |
|  | Chorania-Vadavi-I | GETCO | 400 | 19:43 | 12-06-2019 | 06:43 | 13-06-2019 | Manually opened due to high voltage |
|  | Asoj-Chorania-I | GETCO | 400 | 19:44 | 12-06-2019 | 06:42 | 13-06-2019 | Manually opened due to high voltage |
|  | Kasor-SSP-I | GETCO | 400 | 20:15 | 12-06-2019 | 12:13 | 13-06-2019 | Y- phase earth fault |
|  | SSP-Kasor-S/C | SSP | 400 | 20:15 | 12-06-2019 | 13:09 | 13-06-2019 | Y- phase earth fault |
|  | Bhopal(BDTCL) 1500MVA ICT-2 | STERLITE | 765/400 | 20:38 | 12-06-2019 | 22:17 | 12-06-2019 | Manually hand-tripped due to heavy sparking in isolator |
|  | Dehgam-Vadavi-I | PGCIL | 400 | 20:46 | 12-06-2019 | 21:55 | 12-06-2019 | As per PMU, Y-B phase to phase fault. Reason awaited from SLDC Gujarat. |
|  | Soja-Wanakbori-I | GETCO | 400 | 21:05 | 12-06-2019 | 07:10 | 13-06-2019 | Manually opened due to high voltage |
|  | Korba(E)-Budhipadar-II | PGCIL | 220 | 21:37 | 12-06-2019 | 00:21 | 13-06-2019 | Y- phase earth fault |
|  | Raigarh-Budhipadar S/C | PGCIL | 220 | 21:39 | 12-06-2019 | 23:05 | 12-06-2019 | Y- Phase earth fault, From Raigarh: 59.5km & 2.72kA. |
|  | Banaskantha (PGCIL) L/R of Banshkanta-Chhittorgarh-2 at Banashkanta LR@Banaskantha (PGCIL) | PGCIL | 765 | 22:00 | 12-06-2019 | 18:05 | 13-06-2019 | PRV 1 operated in Y phase |
|  | Kansari-Vadavi-I | PGCIL | 400 | 22:13 | 12-06-2019 | 07:16 | 13-06-2019 | Manually opened due to high voltage |
|  | Dehgam-Vadavi-I | PGCIL | 400 | 01:31 | 13-06-2019 | 21:42 | 13-06-2019 | R- phase earth fault |
|  | Dehgam-Vadavi-II | PGCIL | 400 | 01:31 | 13-06-2019 | 22:26 | 13-06-2019 | R- phase earth fault |
|  | Kosamba-Chorania -II | GETCO | 400 | 04:00 | 13-06-2019 | 10:55 | 13-06-2019 | Over voltage protection operated at Kosamba. DT received at Chorania. |
|  | Kansari-Charanka-I | GETCO | 400 | 04:20 | 13-06-2019 | 06:35 | 13-06-2019 | Manually opened due to high voltage |
|  | New Parli - Solapur-II | PGCIL | 765 | 04:39 | 13-06-2019 | 08:33 | 18-06-2019 | Manually opened due to high voltage |
|  | Korba-Bhatapara-S/C | PGCIL | 400 | 05:24 | 13-06-2019 | 21:21 | 13-06-2019 | To replace faulty Bhatapara line Y-Ph Isolator at Korba |
|  | Kakrapar-Vapi-II | PGCIL | 220 | 05:38 | 13-06-2019 | 07:09 | 13-06-2019 | Tripped on Rph- earth fault, 1.1km, 14.74ka at Vapi end |
|  | Amreli ICT-1 | GETCO | 400/220 | 07:30 | 13-06-2019 | 20:55 | 14-06-2019 | Voltage Regulation |
|  | Hadala ICT I | GETCO | 400/220 | 07:46 | 13-06-2019 | 09:47 | 15-06-2019 | Voltage Regulation |
|  | Hadala ICT II | GETCO | 400/220 | 07:46 | 13-06-2019 | 22:25 | 15-06-2019 | Voltage Regulation |
|  | Aurangabad-Boisar-I | PGCIL | 400 | 07:53 | 13-06-2019 | 21:51 | 13-06-2019 | Porcelain disc Insulator replacement with polymer insulators |
|  | Korba(NTPC) -Bus IV | NTPC | 400 | 08:00 | 13-06-2019 | 14:25 | 13-06-2019 | To replace faulty Bhatapara line Y-Ph Isolator |
|  | Amreli-Jetpur-I | GETCO | 400 | 08:15 | 13-06-2019 | 03:36 | 14-06-2019 | Manually opened due to high voltage |
|  | BDTCL Dhule-Dhule (MSETCL)-II | STERLITE | 400 | 09:15 | 13-06-2019 | 10:19 | 13-06-2019 | Sparking on isolator |
|  | Bina PG-JP Bina-S/C | PGCIL | 400 | 09:23 | 13-06-2019 | 19:23 | 13-06-2019 | Annual maintenance work |
|  | Jetpur ICT II | GETCO | 400/220 | 09:30 | 13-06-2019 | 17:05 | 14-06-2019 | Voltage Regulation |
|  | Indirasagar-Indore-I | MPPTCL | 400 | 09:35 | 13-06-2019 | 19:45 | 13-06-2019 | Annual Maintenance work & Relay Testing work |
|  | SASAN 250MVA ICT-1 | SASAN | 400/132 | 09:42 | 13-06-2019 | 18:13 | 15-06-2019 | Equipment Yearly Maintenance / 400kV,TIE Transformer#1 Bay No.400-7 & 8 at SASAN |
|  | Bachhau (63MVAR) BR | PGCIL | 400 | 09:53 | 13-06-2019 | 13:26 | 13-06-2019 | Voltage Regulation |
|  | Jabalpur-1 (60MVAR) BR | PGCIL | 400 | 10:08 | 13-06-2019 | 18:23 | 13-06-2019 | Residual Life Assesment test of Line Reactor / dia to be kept open. |
|  | Kakrapar-Vapi-II | PGCIL | 220 | 10:52 | 13-06-2019 | 14:50 | 13-06-2019 | tripped on R-phase fault |
|  | Bilaspur (PGCIL) L/R of Bilaspur-Rajnandgaon-1 L/R at Bilaspur (PGCIL) | ATIL | 765 | 11:04 | 13-06-2019 | 18:39 | 13-06-2019 | Intergration of spare Reactor selection scheme with switchable Rajnandgaon#1 LR and trial and final tuning of CSD on reactor CB. |
|  | Sugen-Vapi(PG) S/C | PGCIL | 400 | 12:57 | 13-06-2019 | 19:48 | 13-06-2019 | Y-phase line insulator string is found broken at tower no-10. |
|  | Jetpur ICT IV | GETCO | 400/220 | 13:48 | 13-06-2019 | 10:30 | 18-06-2019 | Voltage Regulation |
|  | Amreli ICT -4 | GETCO | 400/220 | 13:54 | 13-06-2019 | 10:27 | 18-06-2019 | Voltage Regulation |
|  | Solapur ICT-2 | MSETCL | 400/220 | 14:22 | 13-06-2019 | 15:48 | 13-06-2019 | NDR Operated |
|  | Mahalaxmi Amona-I | ISTS | 220 | 15:08 | 13-06-2019 | 22:08 | 13-06-2019 | Tripped from Amona end due to reflection fault of Ponda-Xeldam |
|  | Jabalpur-Jabalpur(PS)-I | PGCIL | 400 | 16:16 | 13-06-2019 | 17:26 | 13-06-2019 | Tripped on B- phase earth fault |
|  | Kalwa-Padghe-I | MSETCL | 400 | 16:50 | 13-06-2019 | 01:49 | 14-06-2019 | Tripped on B- phase earth fault |
|  | Rewa(PG)-VSTPS-I | PGCIL | 400 | 17:20 | 13-06-2019 | 18:03 | 13-06-2019 | For taking the LT at VSTPS end |
|  | Bhusawal-Aurangabad S/C | MSETCL | 400 | 17:47 | 13-06-2019 | 08:18 | 15-06-2019 | Manually opened due to high voltage |
|  | Jabalpur-Itarsi-II | PGCIL | 400 | 18:39 | 13-06-2019 | 18:47 | 13-06-2019 | To facilitate the E/S on LR at Itarsi end |
|  | Jabalpur-Itarsi-2 50MVAR L/R at Jabalpur | PGCIL | 400 | 18:39 | 13-06-2019 | Still out | Still out | For attending oil leakage |
|  | Daramjaygarh(PG)-Jabalpur(PS)-II | PGCIL | 765 | 23:04 | 13-06-2019 | 23:49 | 13-06-2019 | Y- phase earth fault |
|  | Sugen-Pirana-S/C | GETCO | 400 | 01:55 | 14-06-2019 | 11:53 | 14-06-2019 | Manually opened due to high voltage |
|  | Kosamba-Vav-I | GETCO | 400 | 02:11 | 14-06-2019 | 12:03 | 14-06-2019 | Manually opened due to high voltage |
|  | Asoj-Chorania-II | GETCO | 400 | 03:19 | 14-06-2019 | 07:00 | 14-06-2019 | Manually opened due to high voltage |
|  | Hadala-Amreli S/C | GETCO | 400 | 03:20 | 14-06-2019 | 23:59 | 14-06-2019 | Manually opened due to high voltage |
|  | Chorania-Vadavi-II | PGCIL | 400 | 03:22 | 14-06-2019 | 06:31 | 14-06-2019 | Manually opened due to high voltage |
|  | Vadavi(Ranchodpura)-Kansari S/C-I | GETCO | 400 | 03:28 | 14-06-2019 | 06:35 | 14-06-2019 | Manually opened due to high voltage |
|  | Aurangabad-Boisar-II | PGCIL | 400 | 07:30 | 14-06-2019 | 22:12 | 14-06-2019 | Porcelain disc Insulator replacement with polymer insulators |
|  | Kasor-Chorania-I | GETCO | 400 | 07:40 | 14-06-2019 | 10:19 | 15-06-2019 | Manually opened due to high voltage |
|  | Bina(MP)-JP Bina(BPSCL) S/C | JAYPEE | 400 | 08:27 | 14-06-2019 | 20:57 | 14-06-2019 | Annual maintenance work |
|  | Nagda\_Badanawar-II | MPPTCL | 400 | 08:28 | 14-06-2019 | 16:54 | 14-06-2019 | Hot points |
|  | Bilaspur (PGCIL) L/R of Bilaspur-Rajnandgaon-1 L/R at Bilaspur (PGCIL) | ATIL | 765 | 08:37 | 14-06-2019 | 22:20 | 14-06-2019 | Intergration of spare Reactor selection scheme with switchable Rajnandgaon#1 L/R and trial and final tuning of CSD on reactor CB. |
|  | Indirasagar-Indore-II | MPPTCL | 400 | 09:16 | 14-06-2019 | 19:40 | 14-06-2019 | Annual Maintenance work & Relay Testing work |
|  | Warora-Gadarwara-I | PGCIL | 765 | 09:41 | 14-06-2019 | 13:19 | 14-06-2019 | R- phase earth fault 2.61kA,253km at Warora; 76.9km,6.3kA at Gadarwara |
|  | Jhanor ICT-1 | PGCIL | 400/220 | 10:25 | 14-06-2019 | 20:53 | 14-06-2019 | Y phase deluge valve operation |
|  | Vindhyachal (PS) - VSTPS-IV -IV | ATIL | 400 | 10:44 | 14-06-2019 | 15:48 | 14-06-2019 | To attend hot spot |
|  | Damoh-2 (125MVAR) B/R | PGCIL | 400 | 10:48 | 14-06-2019 | 19:40 | 14-06-2019 | AMP work |
|  | Padghe B/R 240 MVAR B/R | PGCIL | 765 | 11:02 | 14-06-2019 | 13:22 | 14-06-2019 | for taking spare in place of Y-Phase |
|  | Malanpur-Auraiya S/C | PGCIL | 220 | 11:13 | 14-06-2019 | 17:48 | 14-06-2019 | For line maintenance work |
|  | Sujalpur-Nagda-I | PGCIL | 400 | 11:42 | 14-06-2019 | 14:43 | 14-06-2019 | 01 CC ring bend with black spots at B phase ( top ) Nagda side |
|  | Dehgam-Vadavi-I | PGCIL | 400 | 13:14 | 14-06-2019 | 16:24 | 14-06-2019 | Severe hot point |
|  | Chournia ICT-2 | GETCO | 400/220 | 15:00 | 14-06-2019 | 16:00 | 14-06-2019 | To take B-Phase unit in place of spare unit in B-phase |
|  | Birsingpur-Damoh-I | MPPTCL | 400 | 18:10 | 14-06-2019 | 19:53 | 14-06-2019 | IPS tube has come out from rigid clamp tie (408bay) bay A-Isolator Yph |
|  | Korba(W) Ext-Bhilai(Khedamarea)-I | CSPTCL | 400 | 19:58 | 14-06-2019 | 10:16 | 15-06-2019 | Y phase earth fault |
|  | Itarsi-Khandwa-I | PGCIL | 400 | 23:37 | 14-06-2019 | 23:46 | 14-06-2019 | CB of SLR at Itarsi end went into lockout due to SF6 gas leakage. To isolate it, line shutdown was availed. Line was charged without LR at Itarsi end. |
|  | Itarsi-Khandwa-1 50MVAR L/R at Itarsi | PGCIL | 400 | 23:37 | 14-06-2019 | Still out | Still out | Breaker of line reactor went into lockout due to sf6 gas leakage. Hence, line reactor outage was availed. |
|  | Amreli-Jetpur-II | GETCO | 400 | 00:05 | 15-06-2019 | 12:57 | 15-06-2019 | Hot point on B ph PI at Jetpur end |
|  | Chorania-Vadavi-II | PGCIL | 400 | 01:42 | 15-06-2019 | 07:38 | 15-06-2019 | Manually opened due to high voltage |
|  | Asoj-Chorania-II | GETCO | 400 | 01:44 | 15-06-2019 | 10:38 | 15-06-2019 | Manually opened due to high voltage |
|  | Kalwa-Padghe-II | MSETCL | 400 | 06:13 | 15-06-2019 | 10:54 | 15-06-2019 | Hot spot attending work on R and B ph CT Clamp |
|  | Daramjaygarh (PGCIL) Jabalpur(PS)-2 330 MVAR L/R at Daramjaygarh | PGCIL | 765 | 07:38 | 15-06-2019 | 10:48 | 15-06-2019 | For change over of R-phase unit with Spare unit to attend very high oil leakage |
|  | Aurangabad-Boisar-I | PGCIL | 400 | 07:50 | 15-06-2019 | 21:51 | 15-06-2019 | Porcelain disc Insulator replacement with polymer insulators |
|  | ACBIL Bus II | ACBIL | 400 | 08:10 | 15-06-2019 | 17:10 | 15-06-2019 | Erection of bay equipment for New 200 MVA 400/132 KV ICT |
|  | Dhule Bus I | STERLITE | 765 | 08:58 | 15-06-2019 | 18:48 | 15-06-2019 | AMP works and relay testing and bus isolator rectification works / along with bus reactor |
|  | Dhule(BDTCL) 240MVAR B/R | STERLITE | 765 | 08:59 | 15-06-2019 | 14:04 | 15-06-2019 | AMP works and relay testing and bus isolator rectification works; along with bus 1 |
|  | Koradi-Bhusawal S/C | MSETCL | 400 | 09:02 | 15-06-2019 | 18:48 | 15-06-2019 | Replacement of isolator mechanism box at Koradi |
|  | Vadavi-Veluda-S/C | GETCO | 400 | 09:12 | 15-06-2019 | 16:37 | 15-06-2019 | For hot point attending work of TBC isolator, CT pipe conductor L clamp & wave trap bottom jumper clamp. |
|  | Amreli ICT-2 | GETCO | 400/220 | 09:46 | 15-06-2019 | 22:23 | 15-06-2019 | Voltage Regulation |
|  | Satpura-Indrasagar-S/C | MPPTCL | 400 | 09:55 | 15-06-2019 | 19:49 | 15-06-2019 | Annual Maintenance work & Relay Testing work |
|  | Banaskantha-Bhuj-2-II | PGCIL | 765 | 10:18 | 15-06-2019 | 20:18 | 15-06-2019 | RTV Coating / 765 kV Bhuj-Banaskantha # 2 with Line Reactor at Bhuj SS, dia to be kept open at both ends |
|  | Parli(MSETCL)-Parli(PG)-II | PGCIL | 400 | 10:26 | 15-06-2019 | 16:55 | 15-06-2019 | Bay maintenance |
|  | Tamnar Bus - IV | PLINK | 765 | 11:02 | 15-06-2019 | 21:58 | 15-06-2019 | Heavy oil leakage from Y-phase Bus CVT. Hand tripped by site. |
|  | Kolhapur (125 MVAR) B/R-1 | PGCIL | 400 | 11:08 | 15-06-2019 | 19:06 | 15-06-2019 | Voltage Regulation |
|  | Kolhapur (PGCIL) 80 MVAR B/R | PGCIL | 400 | 11:12 | 15-06-2019 | 18:19 | 15-06-2019 | Voltage Regulation |
|  | Vindhayachal(PS)-Satna(PG)-II | PGCIL | 765 | 15:07 | 15-06-2019 | 15:07 | 15-06-2019 | B-phase A/R successful; 4.1kA,216.8km at Vindhyachal; 61km,7.7kA at Satna |
|  | Sipat-Ranchi-I | PGCIL | 400 | 15:38 | 15-06-2019 | 15:38 | 15-06-2019 | R-phase A/R successful; 2.094kA, 186.5km at Sipat |
|  | Bhilai(Khedamarea)-Raita-II | CSPTCL | 400 | 16:14 | 15-06-2019 | 17:05 | 15-06-2019 | R-phase fault; A/R successful at raita; tripped at Bhilai end only; 40km,4.4kA at Raita; 17.28kA, 11.29km at Khedamarea |
|  | Padghe-Nagothane-II | MSETCL | 400 | 16:50 | 15-06-2019 | 15:58 | 16-06-2019 | To attend SF6 leakage in Main breaker |
|  | Indore(PG)-Vadodara PS-S/C | PGCIL | 765 | 16:54 | 15-06-2019 | 16:54 | 15-06-2019 | Y-phase A/R successful; 209.3km,3.0372kA at Indore; 116.9km,4.08kA at Vadodara |
|  | Indore(PG)-Vadodara PS-S/C | PGCIL | 765 | 16:55 | 15-06-2019 | 16:55 | 15-06-2019 | Y-phase A/R successful; 209.3km,3.12kA at Indore; 117.8km,4.2kA at Vadodara |
|  | Korba(W)-Bhilai-I | CSPTCL | 400 | 17:01 | 15-06-2019 | 18:58 | 16-06-2019 | R-phase fault; 1.2kA,223km at Korba West; 27.728kA, 8.75km at Bhilai |
|  | Chandrapur-Padghe-II | MSETCL | 500 HVDC | 17:12 | 15-06-2019 | 22:51 | 15-06-2019 | Urgent replacement of Converter Transformer fan group control switches, which are broken/cracked - 4 nos & 4 nos of faulty MCBs. |
|  | Bus-2 at Bhuj Bus II | PGCIL | 220 | 17:32 | 15-06-2019 | 20:49 | 15-06-2019 | Attend the chattering in 201- 89B Isolator(R-phase) connected to 220 KV Bus-2. |
|  | Dhule-Saradar Sarovar-I | MSETCL | 400 | 17:35 | 15-06-2019 | 19:06 | 15-06-2019 | Manually opened due to high voltage |
|  | Vadavi-Veluda-S/C | GETCO | 400 | 17:50 | 15-06-2019 | 20:49 | 15-06-2019 | Busbar relay and line PU work at 400kV Veloda SS |
|  | Durg-Rajnandgaon-II | ATIL | 765 | 18:48 | 15-06-2019 | 18:48 | 15-06-2019 | R-phase A/R successful; 24km,12.8kA at Durg; 10.47km at Rajnandgaon |
|  | Raipur PS(Durg)-Wardha(PG)-II | PGCIL | 765 | 18:55 | 15-06-2019 | Still out | Still out | Manually opened due to high voltage |
|  | Durg-Warhda-2 240MVAR L/R at Durg | PGCIL | 765 | 18:55 | 15-06-2019 | 18:59 | 15-06-2019 | L/R charged as B/R |
|  | Hadala-Amreli S/C | GETCO | 400 | 20:22 | 15-06-2019 | 07:29 | 16-06-2019 | Manually opened due to high voltage |
|  | Sugen-Pirana-S/C | GETCO | 400 | 20:32 | 15-06-2019 | 07:28 | 16-06-2019 | Manually opened due to high voltage |
|  | BhusawaL-Aurangabad S/C | MSETCL | 400 | 20:51 | 15-06-2019 | 11:21 | 17-06-2019 | Manually opened due to high voltage |
|  | Jabalpur(PS)-M.B.Power-II | PGCIL | 400 | 23:37 | 15-06-2019 | 00:49 | 16-06-2019 | Humming sound is coming from CVT at Jabalpur ps |
|  | Chorania-Vadavi-II | GETCO | 400 | 02:01 | 16-06-2019 | 07:28 | 16-06-2019 | Manually opened due to high voltage |
|  | ASOJ-Chorania-II | GETCO | 400 | 02:21 | 16-06-2019 | 07:30 | 16-06-2019 | Manually opened due to high voltage |
|  | Charanka-Kansari-II-II | GETCO | 400 | 02:27 | 16-06-2019 | 10:49 | 16-06-2019 | Manually opened due to high voltage |
|  | Varsana-Charanka-I | GETCO | 400 | 02:27 | 16-06-2019 | 10:22 | 16-06-2019 | Charanka-Kansari-2 opened on H/V. Varsana line tripped from Charanka end. Relay malfunction. |
|  | Vadavi(Ranchodpura)-Kansari S/C-I | GETCO | 400 | 02:40 | 16-06-2019 | 08:07 | 16-06-2019 | Manually opened due to high voltage |
|  | Adani-SAMI FSC-2 | ATIL | 400 | 03:07 | 16-06-2019 | Still out | Still out | Line tripped on Y-B ph to ph fault |
|  | APL Mundra-Charanka-I | GETCO | 400 | 03:07 | 16-06-2019 | 10:40 | 16-06-2019 | Apl-Sami-2 tripped on fault. Apl line tripped from Charanka end. Relay malfunction. |
|  | Mundra-SAMI-II | ATIL | 400 | 03:07 | 16-06-2019 | 16:26 | 16-06-2019 | Y-B ph to ph fault.earth wire found broken between tower span 1 to 3. |
|  | Nasik-Navsari-2-II | PGCIL | 220 | 05:45 | 16-06-2019 | 06:39 | 16-06-2019 | B- phase earth fault |
|  | Aurangabad-Boisar-II | PGCIL | 400 | 07:51 | 16-06-2019 | 23:30 | 16-06-2019 | Porcelain disc Insulator replacement with polymer insulators |
|  | Adani-SAMI FSC-1 FSC | ATIL | 400 | 08:58 | 16-06-2019 | Still out | Still out | The FSC is out in order to control the line loading of APL-Sami # 1 as 400 kV APL sami # 2 is under forced outage. |
|  | Dhule Bus I | STERLITE | 765 | 09:08 | 16-06-2019 | 22:00 | 16-06-2019 | AMP works and relay testing and bus isolator rectification works / along with bus reactor |
|  | Daramjaygarh Bus I | PGCIL | 765 | 09:35 | 16-06-2019 | Still out | Still out | For Bus Sectionalizer Construction Works |
|  | Dhule(BDTCL) 240MVAR B/R | STERLITE | 765 | 10:34 | 16-06-2019 | 17:05 | 16-06-2019 | AMP works and relay testing and bus isolator rectification works; along with bus 1 |
|  | Pune PG(Talegaon)-Kharghar(MSETCL)-S/C | MSETCL | 400 | 11:41 | 16-06-2019 | 18:04 | 16-06-2019 | Routine maintenance and diagnostic testing work |
|  | Navsari-ICT-2 | PGCIL | 400/220 | 12:06 | 16-06-2019 | 14:36 | 16-06-2019 | In order to facilitate the emergency outage on 220 kV Navsari-Navsari # 2 |
|  | Navsari(PG)-Navsari(GJ)-II | PGCIL | 220 | 12:21 | 16-06-2019 | 14:25 | 16-06-2019 | To attend the Insulator flash over observed in B phase 145 No tower location |
|  | Daramjaygarh(PG)-Jabalpur(PS)-III | STERLITE | 765 | 14:16 | 16-06-2019 | 14:16 | 16-06-2019 | A/R successful on B ph earth fault. |
|  | Essar Mahan-Bilaspur-II | ESSAR | 400 | 15:22 | 16-06-2019 | 20:18 | 16-06-2019 | B- phase earth fault, 91.7KM, 6.1KA at Bilaspur end |
|  | Hadala-Varsana-I | GETCO | 400 | 16:12 | 16-06-2019 | 15:42 | 17-06-2019 | Heavy sparking observe on Rph, 89B PG isolator due to heavy wind pressure of 400kv Varsana - Hadala line at 400kv Varsana S/S |
|  | Korba(E)-Budhipadar-II | PGCIL | 220 | 18:36 | 16-06-2019 | 21:06 | 16-06-2019 | A-phase fault, Z-2 162KM, 1.09KA from Korba end |
|  | Essar Mahan-Bilaspur-I | ESSAR | 400 | 21:39 | 16-06-2019 | 01:14 | 17-06-2019 | Tripped on R- phase earth fault |

D. परागमन का प्रतिबंध (यदि कोई हो) Transmission Constraints IEGC 5.5.1.C (D) (IF ANY) : Annexure-I

E. Instances of Persistent / Significant Non-Compliance of IEGC 5.5.1.C (E) : Annexure-II

F. Instances of Congestion In Transmission System IEGC 5.5.1.C (F) (IF ANY) : Annexure-III -NIL

G.कोणीय विभाजन उल्लंघन की रिपोर्टAngular separation violation: Annexure-IV

H**.** साप्ताहिक विद्युत दाब विचलन सूचकांकWeekly VDI From: Annexure-V

**I. Instances of Inordinate delays in restoration of Transmission elements & Generating units:-**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **युनिट**  Unit | **संघटक**  Constituent/  IPP | **क्षमता मेगावॉट**  Cap.MW/kV | **से**  From  **समय दिनांक** | | **से**  To  **समय दिनांक** | | **कारण**  Reason |
|  |  |  | **Time** | **Date** | **Time** | **Date** |  |
| VIndhyachal-Satna-3 50MVAR L/R at VIndhyachal | PGCIL | 400 | 11:45 | 30-01-2016 | Still out | Still out | Y-phase Bushing completely damaged |
| Raipur-Raigarh-II FSC | PGCIL | 400 | 07:48 | 06-07-2016 | Still out | Still out | Due to fire at TCSC |
| Raigarh-Raipur –I FSC | PGCIL | 400 | 08:42 | 08-07-2016 | Still out | Still out | Main control system computer failure |
| Karad-Lonikhand-1 80MVAR L/R at Karad | MSETCL | 400 | 17:11 | 14-09-2017 | Still out | Still out | R&Y phase LA burst |
| Athena -Kotra(PS)-I | PGCIL | 400 | 22:02 | 30-04-2016 | Still out | Still out | Y-Phase DF/DT relay operated/ Kept out after First time charged |
| Athena-Kotra(PS)-II | PGCIL | 400 | 11:46 | 01-05-2016 | Still out | Still out | For testing and checking Works / Kept out after First time charged |
| Karad-Solapur(Idle Charged Portion at Karad)-S/C | WTPL | 400 | 09:40 | 15-11-2017 | Still out | Still out | Maintenance work at Karad |
| Raipur-Wardha FSC-1 | PGCIL | 400 | 14:04 | 01-02-2018 | Still out | Still out | Damping resistor burnt |
| Satpura ICT-1 | MPPTCL | 400/220 | 21:53 | 19-04-2018 | Still out | Still out | Differential protection operated/  Being disconnected from the grid as intimated in 514th OCC |
| Jetpur-1 (50MVAR) B/R | GETCO | 400 | 03:04 | 09-06-2018 | Still out | Still out | The Bushing of Y-Phase blast damaging the Bushing of R & B phase. |
| Unosugen 80MVAR B/R | GETCO | 400 | 10:51 | 11-07-2018 | Still out | Still out | GIS cannibalisation work at Uno Sugen |
| Bhusawal 50MVAR B/R | MSETCL | 400 | 13:49 | 10-11-2018 | Still out | Still out | Maintenance |
| Padge ICT-1 | PGCIL | 400/220 | 10:07 | 15-11-2018 | Still out | Still out | Differential protection operated |
| Raipur-Wardha FSC-2 | PGCIL | 400 | 14:12 | 17-11-2018 | Still out | Still out | Tripped along with the line; line tripped on fault; As intimated by RTAMC During dissipation of surge energy of fault during AR, the Damping resistor, IPS tube connectors to Damping resistor, cables on circuit of Raipur FSC#2 was damaged. |

**( सचला मिश्रा )**

**महाप्रबंधक (एमआयएस(**

**परागमन का प्रतिबंध (यदि कोई हो) Transmission Constraints IEGC 5.5.1.C(D) Annexure-I**

| **Sl. No** | **Corridor** | **Season/ Antecedent Conditions** | **Description of the constraints** |
| --- | --- | --- | --- |
| 1. | 400kV Kudus-Kala D/c corridor | Maharashtra Demand 18500-22000 MW, Nil SSP Generation, Less Gen. at TAPS. | **Constraints:**  400 kV Kudus-Kala D/c lines carrying more than 500 MW each and the corridor is N-1 non-compliant.  With the revival Tarapur Unit-4, loading has been reduced and constraint was not observed in this quarter. |
| 2 | Transmission system for Koradi St-II  (3x660MW) and IEPL  (1x270 MW) | Koradi-II station is connected with 400 kV Koradi II-Koradi III D/C, 220 kV Koradi II-Kaulewada D/C and LILO of 400 kV Wardha-Warora one circuit (Interim arrangement). | **Constraints:**  At present Koradi-II units (3 X 660 MW) are commissioned and managed with SPS. System is N-1 non- compliant and there is no generation at IEPL. Also high loading of 400kV Warora-Wardha S/C is observed resulting in restricted operation of Bhadarwati HVDC & Chandrapur-Padghe Bipole. Fualt level of Chandrapur is 60kA. |
| 3 | 400 kV Bina-Sujalpur D/c | N-1 insecure operation of Bina -Sujalpur D/C after commissioning of Shujalpur – RAPS D/C coupled with high Demand in MP of above 12000 MW. | **Constraints:**  High loading above 600 MW/ckt observed on most of the time in Q3 (17-18).  No constraint observed in this quarter as Singhaji unit 3&4 (660MW each) commissioned with associated transmission lines and 400kV Badnawar S/S commissioned in MP with LILO of 400kV Nagda-Rajgarh D/C. |
| 4 | 400kV Padghe Kalwa-D/c | High loading is observed in general during High demand in Mumbai system. | **Constraint:** The corridor becomes N-1 non compliant when total loading is above 1100 MW.Many a times Chandrapur-Padghe Bipole flow is restricted to control the loading on these lines.Also facilitating outage in this corridor on week days is difficult. Outages are being planned only on Saturday/Sundays with planned load shedding. |
| 5 | 220 kV Navsari (PG) - Navsari (GETCO) D/c | Most of the time | **Constraints:**  The lines become N-1 non compliant when the power flow is above 315MW (Considering 250MW in N-1 contingency). For about 25% of the time lines were N-1 non compliant in month of Mar’19. |
| 6 | 220kV Boisar-Boisar T/C | With high demand of Mumbai and less generation at 220kV Tarapur, Trombay and Dahanu | **Constraint:** The linesbecome N-1 non compliant when total loading on these lines is above 600MW (Considering N-1 loading of 300MW/ckt). For 35%, 7% & 16% of the time lines were N-1 non compliant in month of Jan’19, Feb’19 & mar’19 respectively. These ckts are mostly loaded above 200MW each and managed with load trimming scheme implemented by MSETCL. With the commissioning of 4th ICT at Boisar, the loading on the ckts has further increased. One ICT is kept open to control the loading on 220kV Boisar-Boisar ckts. |
| 7 | 220kV Jhanor(NTPC)-Haldarwa-D/c | Almost most of the time with Jhanor gen. above 300MW. | **Constraint:** When the lines are carrying more than 150MW/ckt, the system is N-1 non compliant. 5% & 65% of the time lines were N-1 non compliant in the month of Jan’19 & Mar’19. Many reliability measures like bus split at Jhanor, and generation reduction had to be taken to facilitate the shutdown of one line. |
| 8 | 220kV Amreli-Sawarkundla D/c | High loading during Rabi season and when generation at Padva BECL and GPPC is not available in Gujarat system. | **Constriant:**  The lines become N-1 non compliant when total power flow is equal or above 300MW (N-1 loading considered as 250MW). 40%, 75% % 40% of the time lines were N-1 non compliant in month of Jan’19, Feb’19 & Mar’19 respectively. |
| 9 | 220kV Ukai-Mota D/c | When Ukai generation is high at 220kV side. | **Constraint:** When total loading on these lines is equal or above 340MW, the corridor becomes N-1 non compliant.For about 20% of the time lines were N-1 non compliant in month of Mar’19. |
| 10. | 220kV Pune PG-Talegaon D/c | All the time | **Constraint:** For about 25%, 50% ad 90% of the time lines were N-1 (above 250MW) non compliant in the month of Jan’19, Feb’19 & Mar’19 respectively.Further **o**ne ICT at Pune PG is kept out to control the line loading. |
| 11. | 220kV DSPM-Korba(E) | With full generation in DSPM and less generation in Korba East and Budhipadar | **Constraint:** DSPM (2x250 MW) generation was planned with LILO of exisiting 220kV Korba West-Korba East one ckt and 220kV Suhela-Banari line. No addional lines were planned for DSPM evacuation. This has resulted in overloading of 220kV DSPM-Korba East line when the power flow is towards Budhipadar end. SLDC CSPTCL raised concerns of forced backing down at DSPM even when they were overdrawing from the grid. For more than 34% (Avg) of the time line was loaded above 200MW during the quarter. |
| 12 | 400kV Chandrapur-Chandrapur(II) D/C | When generation at Chandrapur is less and Chandrapur(II) is high | **Constraint:** Less generation at Chandrapur is leading to critical loading on these lines. Chandrapur-Padghe HVDC flow had to be restricted to ensure N-1 security of these lines, which reduced the operational flexibility with HVDC and also caused low voltages at Parli, Lonikhand & Padghe area. |
| 13 | 400kV Tarapur-Boisar D/C | With full generation of Tarapur | **Constraint:** 400kV TAPS-Boisar D/C (20.88km each) lines are shorter lines compared to TAPS-Padghe D/c (91km each) lines and Boisar being load centre, the power flows are not uniform and higher on shorter lines. The powerflow further increases with the outage of Aurangabad-Boisar one ckt. TAPS-Boisar D/C being short lines, on tripping of one ckt, 80% of total power flows on the other line. It is difficult to provide shutdown of the lines and NPCIL is always writing to WRLDC to maintain uniform flow on all lines from TAPS and also to control the flow on TAPS-Boisar lines whenever the flow is more than 500MW. HVDC Chandrapur-Padghe maximisation is restricted with constraints at Sl No. 12. |
| 14 | 220kV Gwalior PG-Mahalgaon D/c lines | During Rabi crop season, when demand is above 11000MW | **Constraint:** The lines were carrying more than 260MW for 5%, 15% & 35% of the time and were N-1 non compliant in month of Jan’19, Feb’19 & Mar’19 respectively. |
| 15 | 220kV Itarsi PG-Itarsi D/c lines | During Rabi crop season, when demand is above 11000MW | **Constraint:** The lines were carrying more than 260MW for 5% & 10% of the time in month of Jan’19 & Feb’19 and were N-1 non compliant.  **43rd SCM:** Additional 500MVA ICT and 220kV Itarsi (PG)-Budni D/C is planned by MP. |
| 16 | 400kV Parli PG-Parli MS D/c line | Maharashtra drawl above 6000MW and low generation at Parli | **Constraint:** The lines become N-1 non compliant when total power flow on these lines is equal to or above 900MW. |
| 17 | 220kV Bhilai-Bhilai D/c line | Most of the time | **Constraint:** When total loading on lines is above 300MW, the lines become N-1 non compliant. For about 99% (average) of the time lines were N-1 non compliant during the quarter. |

## 

| **ICT Constraints** | | | |
| --- | --- | --- | --- |
| **S. No** | **ICT** | **Season/ Antecedent Conditions** | **Description of the constraints** |
| 1 | 2 X 315 MVA 400/220 kV Chakan ICTs | All time | **Constraints:**  The system is not N-1 compliant with each ICT carrying more than 220MW.  MSETCL has implemented load trimming scheme to take care of overloading. |
| **Present Status:** MSETCL to expedite the commissioning. |
| 2 | (2x315+1x 500MVA) 400/220kV Parli(MS) ICTs | Demand of Maharashtra 22000MW & Drawl of 8000MW.  Low Parli generation | **Constraints:**  During the quarter, ICTs were N-1 non-compliant (N-1 of 500MVA ICT) for 8% of time in Jan’19. The ICT loading increases further if the generation is less at Parli MS. MSETCL has implemented load trimming scheme to take care of overloading. |
| **Present Status**: LILO of Osmanabad (M)–Parli 220 kV S/c at Parli (PG) charged on 18.1.19. |
| 3 | 2x315+ 1x500MVA 400/220kV Kolhapur (MS) ICTs | Demand of Maharashtra 22000MW & Drawl of 8000MW. Low Wind generation in Southern part. | **Constraints:**  The ICTs are N-1 non-compliant when wind generation is very low in Southern Maharashtra.  In April 2017, two blackouts have occurred at Karad and Kolhapur S/s causing load loss of more than 1800 MW.  MSETCL thereafter planned and implemented load trimming scheme. |
| **Present Status:** Vita-Miraj LILO at Alkud charged on 1-Oct-18. |
| 4 | 2x500MVA 400/220kV Sholapur (MS) ICTs | With Demand in Maharshtra system above 22000 MW & Drawl of 8000MW. | **Constraints:**  It is observed that the ICTs are highly loaded and N-1 non-compliant.  MSETCL has implemented load trimming scheme to take care of overloading. No constraint observed in this quarter. |
| **Present Status:** With the COD of Unit-1 at Solapur NTPC, constraints were observed in the 400kV Solapur –Kolhapur & 400kV Solapur-Alkud lines under N-1 contigency. Restoration of 400kV Solapur-Karad to be done on priority basis.  COD of Solapur Unit-2 (660MW) declared on 1st April 2019. |
| 6. | 3x500MVA +1x600MVA 400/220kV Kalwa ICTs | Maharshtra system above 22000 MW (Mumbai 2900 MW) & Drawl of 8000MW. | **Constraints:**  With increased demand and low network augmentation in the area, the system is not N-1 compliant. |
| 7 | 315MVA+ 500MVA 400/220kV Itarsi ICTs | Madhya Pradesh Demand above 12000MW, Ravi Season | **Constraint :**  This constraint generally observed during Ravi season, when MP demand on higher side. Constraint not observed in this quarter. |
| 9 | 2x315MVA ICTs at Raita | With Demand 4000MW & drawl above 1300 MW in Chhattisgarh | **Constraint:** The ICTs areN-1 non compliant when total loading is above 450MW. For about 17% of the time ICTs were N-1 non compliant in the month of Mar’19. |
| 10 | 2x315MVA ICTs at Akola-MS | Demand of Maharashtra above 21000MW & Drwal of 7500MW | **Constriant:** Akola ICTs become N-1 non compliant when total loading is above 410MW. About 20% of the time, ICTs were N-1 non compliant during the quarter. |
| 11 | 2x315MVA ICTs at Wardha-PG | Demand of Maharashtra above 22000MW & Drwal of 8000MW | **Constriant:** ICTs become N-1 non compliant when total loading is above 420MW. More than 18%, 39% and 51% of the time ICTs were N-1 non compliant in the month of Jan’19, Feb’19 and Mar’19 respectively.  Additional ICT may be planned at Wardha PG. |
| 12 | 2x315MVA ICTs at Bhatapara-PG | Demand of Chhattisgarh above 4000MW with 1300MW drawl | **Constriant:** ICTs become N-1 non compliant when total loading is above 420MW. More than 15%, 15% & 63% of the time ICTs were N-1 non compliant in the month of Jan’19, Feb’19 & Mar’19 respectively. |
| 13 | 2x315MVA ICTs at Raigarh PG | Demand of Chhattisgarh above 4000MW with 1300MW drawl | **Constriant:** ICTs become N-1 non compliant when total loading is above 400MW. With the commissioning of More than 5% & 15% of the time ICTs were N-1 non compliant in the month of Feb’19 & Mar’19.  Additional ICT may be planned at Raigarh |
| 14 | 2x1500MVA ICTs at Ektuni | With High generation at Tirora & Koradi(II) | **Constraint:** When total loading on ICTs is above 1800MW, ICTs become N-1 non compliant (ICT loading under N-1 condition is considered as 1617MW i.e 110% of rated MVA at 0.98pf). Power flow on ICT is sensitive to generation at APML Tirora (18%) & Koradi (II) (13%). |
| 15 | 3x315MVA ICTs at Bina MPPTCL | MP demand of 11000MW and above | **Constriant:**  ICTs become N-1 non compliant when total loading is above 720MW. For about 11% & 22% of the time ICTs were N-1 non compliant in the month of Jan’19 % Feb’19. |
| 16 | 2x315MVA ICTs at Morena  (CWRTL) | MP demand of 12000MW, Drawl of about 6500MW during Ravi Crop Season | **Constriant:** ICTs become N-1 non compliant when total loading is above 430MW. For about 20% & 5% of the time ICTs were N-1 non compliant in the month of Jan’19 & Feb’19.  220kV Morena-Bhind D/c planned for meeting the load of around 100MW in Bhind area that would further increase the loading of these ICTs. |
| 17 | 2x315MVA ICTs at Pitampura | MP demand 11000MW, Drawl 6500MW. | **Constriant:** ICTs become N-1 non compliant when total loading is above 420MW. Further Singhaji Unit-3, 4 (660MW each) would further increase the loading on above mentioned ICTs. |
| 18 | 2x315,1x500 MVA ICTs at Satna-PG | MP demand 11000MW, Drawl 6500MW. | **Constriant:** ICTs become N-1 non compliant when total loading is above 680MW. For about 12% of the time ICTs were N-1 non compliant in the month of Jan’19. 220kV Satna PG-Maihar line was kept open to control the ICTs loading by SLDC MP in last quarter. |
| 19 | 2x315 MVA ICTs at Seoni-PG | MP demand 11000MW | **Constraint:** ICTs become N-1 non compliant when total loading is above 380MW. With the prolonged outage of Satpura ICT from 19th April 2018 the loadingon Seoni ICTs has increased. As informed by SLDC MP in 514th OCCM of WR, Satpura ICT will be disconnected from the Grid. With increased load, outage on Seoni ICT could not be facilitated in day time and is allowed only after 2000hrs.  Additional ICT may be planned at Seoni |
| 20 | 2x315 MVA ICTs at NSPCL | When Chhattisgarh Demand more than 4000MW | **Constraint:**  ICTs become N-1 non compliant when total loading is above 450MW. 220kV BSP-Bhilai D/C gets heavily loaded. During the quarter, ICT outage could not be facilitated. |
| 21 | 2x315 MVA ICTs at Astha MPPTCL | MP drawl above 6000MW | **Constraint:**  When total loading on ICTs above 385MW, ICTs become N-1 non compliant.For about 30% & 5% of the time ICTs were N-1 non compliant in month of Jan’19 & Feb’19. |
| 22 | 2x315 MVA ICTs at Jabalpur PG | Drwal of above 5500MW/Ravi season | **Constraint:** When total loading above 420MW, the ICTs become N-1 non compliant.For about 19%, 14% & 11% of the time ICTs were N-1 non compliant in month of Jan’19, Feb’19 & Mar’19.  3rd ICT,500MVA proposed at Jabalpur PG. |
| 23 | 2x315 MVA ICTs at Katni | During Ravi season/ MP drawl above 6000MW | **Constraint:** When total loading on ICTs above 355MW, ICTs becomes N-1 non compliant.For about 14% & 3% of the time ICTs were N-1 non compliant in month of Jan’19 & Feb’19. |

**Nodes Experiencing Low Voltage**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Nodes** | **Season/ Antecedent Conditions** | **Description of the constraints** |
| 1 | 400 kV Padghe MSETCL | Peak hours | **Constraints:**  Voltage was below 380kV for 25% of the time. |
| 2 | 400kV Jetpur | Morning Hours, During agricultural load (Ravi Crop Season) | **Constraint:** When the agricultural loads are picked up, very low voltages are observed in Jetpur area of Gujarat. The fixed line reactors of 400kV CGPL-Jetpur D/c lines at Jetpur end are opened many times to improve the voltage profile. This affects reliability as the lines have to be opened one by one to take out the line reactors.Low voltage not observed during the quarter |

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 400kV Jejuri MSETCL | Morning Hours,When Demand is more than 22000 MW | **Constraints:** Very low voltages are being observed when Maharashtra is drawing about 8500MW from the grid during morning hours.  The 400kV Lonikhand-Karad S/c line LILO at Jejuri and commissioning of 400/220/33kV Hinjewadi S/s by LILO of Jejuri-Lonikhand at Hinjewadi has been already planned by STU. Commissioning of these lines on priority basis would help in improving the voltage profile in Jejuri area. |

## Nodes Experiencing High Voltage:

Western region experienced High Voltage from Jan’19- Mar’19 at various nodes. Few of the important nodes are listed below.

| **S. No.** | **Nodes** | **Season/ Antecedent Conditions** | **Description of the Constraints** |
| --- | --- | --- | --- |
| 1 | 400kV Kalwa MSETCL | During off peak hours | Voltage beyond IEGC limit ie. >420kV for 68% of the time during this quarter.  No reactive compensation is available at Kalwa. During off peak hours to control the voltages at Kalwa, HVDC Chandrapur-Padghe Bipole is being reduced & some times it is being blocked. |
| 2 | 400kV Aurangabad(Waluj) | During off peak hours | Voltage above 420kV for 61% of the time.  High Voltage results in opening of transmission lines. 240 MVAR Additonal Bus Reactor planned at 765kV Aurangabad PG. |
| 3 | 400kV Chandrapur II | All Time | Voltage was above 420kV for 92% of the time. |
| 4 | 400 kV Dhule MSETCL | All Time | Voltage above 420kV for 84% of the time.  One ckt of 400 kV SSP-Dhule D/C and one ckt of 400kV Dhule-Khandwa D/C is opened to control the voltages. This weakens Madhya Pradesh-Maharashtra Interconnection. Also 765kV Dhule-Vadodara is being opened on daily basis & its LR is being used as BR at Dhule BDTCL end. |
| 5 | 400 kV Mapusa PG | During Off Peak hours | Voltage above 420kV for 50% of the time in this quarter. Almost everyday one ckt of 400kV Kolhapur-Mapusa is kept out on HV which affects the N-1 security of Goa supply. Also in some occasions, HV resulted in blackout of Goa system. Banks is required at 132 kV and below by Goa. Additional bus reactor may be planned.  At present voltage grading done in Kolhapur-Mapusa D/C lines to avoid opening on high voltage. |
| 6 | 400 kV Rajgarh PG | All time | Voltage above 420kV for 57% of the time.  One ckt of 400 kV Rajgarh-SSP D/c or Khandwa-Rajgarh is kept open most of the time to control the voltages. Also FSC of Rajgarh-Kasor D/c lines are being kept out.  125 MVAR bus Reactor planned. |
| 7 | 400kV Raigarh PG | Almost all the time | Voltage above 420kV for 52% of the time. |
| 8 | 765kV Solapur PG | During off peak hours | Voltages above 800kV were observed for 6% of the time even after opening of one 765kV New parli-Solapur and 765kV Pune GIS-Solapur S/c (LR as BR at both ends)  Additional 240 MVAR Bus reactor planned at Solapur PG. |
| 9 | 400kV Seoni PG | Most of the time | Voltage above 420kV for 84% of the time. |
| 10 | 400kV Dehgam PG &  400kV Sami | Most of the time | Voltage above 420kV for 58% & 22% of the time. |
| 11 | 400kV GPEC | Most of the time | Voltage above 420kV for 68% of the time. |
| 12 | 400kV Koradi MSETCL  &  400kV Khaparkheda MSETCL | Most of the time | Voltage above 420kV for 55% & 63% of the time. HV resulted in tripping of 400kV lines from Khaparkheda in the absence of adequate reactive compensation at Khaparkheda. |
| 13 | 400kV Nanded MSETCL | Most of the time | Voltage above 420kV for 59% of the time even after opening of 400kV Nanded-Chandrapur (II) one line. No reactive compensation was planned at the time of commissioning. Also there is no LR at Nanded end on 400kV ChandrapurII-Nanded D/c lines.  125MVAR Bus reactor is planned by MSETCL and to be expedited. |
| 14 | 400kV Akola MSETCL | During off peak hours | Voltage above 420kV observed for 52% of the time.  125 MVAR bus reactor planned at Akola by MSETCL to be expedited. |
| 15 | 400kV Korba West,  400kV Marwa &  400kV Raita | During less demand period | Voltage above 420kV for 89%, 99% & 57% of the time.  No Bus reactors available at Raita, Marwa & Bhilai. |
| 16 | 400kV Essar Vadinar | Most of the time | Voltage above 420kV for 72% of the time.  Generation normally not scheduled at Vadinar. |
| 17 | 400kV Ukai | Most of the time | Voltage above 420kV for 80% of the time.  No reactive compensation planned at Ukai. Further 400kV SSP-Dhule D/c LR are out at Dhule end since Apr’15 and Dec’16. |
| 18 | 400kV New Koyna | Most of the time | Voltage above 420kV for 68% of the time. |
| 19 | 400kV Julwania | During off peak hours | Voltage above 420kV for 65% of the time.  To control the voltages, 400kV Julwania-Singaji or Julwania-Chegaon line is being opened on regular basis. |
| 20 | 400kV Uno-sugen | During off peak | Voltage above 420kV for 45% of the time. Bus Reactor (80MVAr) at Unosugen is under outage since 11th July 2018. |
| 21 | 400kV GMR Chhattisgarh | During off peak hours | Voltage above 420kV for 19% of the time. |
| 22 | 400kV Kakrapar 3&4 | During off peak hours | Voltage above 420kV for 47% of the time. |
| 23 | 765kV New Parli & 765kV Warora PS | During off peak hours | Voltage above 800kV for 5% & 10% of the time during the quarter. One circuit of 765kV New Parli-Solapur, one ckt of 765kV Warora PS-New Paril & 765kV Pune-Solapur S/c are kept out to contorl HV. |
| 24 | 765kV Padghe GIS | During off peak hours | Voltage above 800kV for 9% of the time during the quarter. One circuit of 765kV Aurangabad-Padghe is normally kept open to control HV. |
| 25 | 765kV Champa PS | During off peak hours | Voltage above 800kV for 12% of the time during the quarter.  1x240MVAr Bus reactor planned. |
| 26 | 765kV Raigarh PS (Kotra) | During off peak hours | Voltage above 800kV for 6% of the time during the quarter. One circuit of 765kV Kotra-Durg is normally kept open to control HV  1x240MVAr and 1x125MVAr Bus reactor planned. |

**ANNEXURE-II**

**Instances of persistent / significant non-compliance of IEGC 5.5.1(e) (10.06.2019 to 16.06.2019)**

| **Message no.** | **Date** | **Entity1** | **Schedule1**  **(MW)** | **Drawal1**  **(MW)** | **Deviation1**  **(MW)** |
| --- | --- | --- | --- | --- | --- |
| LD/06/780 | 10-06-2019 | Maharashtra | 5213 | 5742 | 530 |
| LD/06/810 | Madhya Pradesh | 4830 | 4977 | 147 |
| LD/06/818 | Madhya Pradesh | 5221 | 5599 | 387 |
| LD/06/823 | Madhya Pradesh | 5295 | 5573 | 278 |
| Chhattisgarh | 1340 | 1512 | 172 |
| LD/06/826 | Madhya Pradesh | 5288 | 5726 | 438 |
| Chhattisgarh | 1286 | 1472 | 187 |
| LD/06/831 | Madhya Pradesh | 5266 | 5632 | 366 |
| Chhattisgarh | 1279 | 1459 | 180 |
| LD/06/833 | Gujarat | 4704 | 5309 | 606 |
| LD/06/836 | Gujarat | 4873 | 5286 | 413 |
| LD/06/858 | Madhya Pradesh | 4968 | 5342 | 375 |
| Madhya Pradesh | 4962 | 5385 | 423 |
| Chhattisgarh | 1495 | 1611 | 116 |
| LD/06/863 | Madhya Pradesh | 5041 | 5339 | 298 |
| LD/06/868 | 11-06-2019 | Maharashtra | 4470 | 3965 | -505 |
| LD/06/880 | Gujarat | 5010 | 4583 | -427 |
| Maharashtra | 5169 | 4863 | -305 |
| Madhya Pradesh | 5613 | 5134 | -479 |
| LD/06/888 | Gujarat | 4842 | 5200 | 358 |
| Maharashtra | 5003 | 5451 | 448 |
| LD/06/928 | Madhya Pradesh | 5415 | 6065 | 650 |
| LD/06/937 | Gujarat | 4239 | 4493 | 254 |
| Madhya Pradesh | 5529 | 5956 | 428 |
| LD/06/938 | Gujarat | 4374 | 4704 | 330 |
| Madhya Pradesh | 5612 | 5813 | 201 |
| LD/06/939 | Gujarat | 4355 | 4741 | 386 |
| Madhya Pradesh | 5272 | 5863 | 591 |
| LD/06/941 | Gujarat | 4414 | 4838 | 424 |
| Madhya Pradesh | 5184 | 5767 | 584 |
| LD/06/943 | Gujarat | 4538 | 4971 | 433 |
| Chhattisgarh | 1691 | 1795 | 104 |
| LD/06/946 | ESIL | 221 | 366 | 146 |
| LD/06/947 | 12-06-2019 | Madhya Pradesh | 4971 | 5242 | 271 |
| LD/06/951 | Gujarat | 4715 | 5411 | 696 |
| Madhya Pradesh | 5204 | 5560 | 356 |
| LD/06/953 | Gujarat | 4800 | 5384 | 584 |
| Madhya Pradesh | 5632 | 5908 | 276 |
| LD/06/954 | Gujarat | 4854 | 5192 | 338 |
| Madhya Pradesh | 5645 | 5910 | 266 |
| LD/06/955 | Gujarat | 4696 | 5155 | 458 |
| LD/06/957 | Gujarat | 4578 | 5184 | 606 |
| LD/06/999 | Maharashtra | 5217 | 4833 | -384 |
| Madhya Pradesh | 6039 | 5515 | -525 |
| LD/06/1015 | Chhattisgarh | 1531 | 1258 | -273 |
| LD/06/1024 | Gujarat | 4264 | 3274 | -990 |
| Madhya Pradesh | 6285 | 5590 | -695 |
| LD/06/1038 | Gujarat | 3286 | 3863 | 577 |
| LD/06/1040 | Gujarat | 2971 | 3908 | 938 |
| LD/06/1043 | ESIL | 221 | 403 | 183 |
| LD/06/1044 | Gujarat | 3108 | 4014 | 906 |
| LD/06/1045 | Madhya Pradesh | 5547 | 4915 | -632 |
| Chhattisgarh | 1689 | 1353 | -337 |
| LD/06/1046 | Madhya Pradesh | 5583 | 4859 | -725 |
| LD/06/1047 | Madhya Pradesh | 5384 | 4765 | -619 |
| LD/06/1096 | 13-06-2019 | Gujarat | 2111 | 3076 | 965 |
| LD/06/1099 | Gujarat | 2182 | 3112 | 931 |
| LD/06/1136 | Gujarat | 2763 | 3294 | 531 |
| LD/06/1137 | Gujarat | 2837 | 3346 | 509 |
| Maharashtra | 4535 | 4779 | 244 |
| LD/06/1159 | 14-06-2019 | Maharashtra | 5380 | 4855 | -525 |
| Madhya Pradesh | 5773 | 5638 | -135 |
| LD/06/1176 | Maharashtra | 5753 | 5197 | -556 |
| LD/06/1188 | Gujarat | 2866 | 3095 | 229 |
| LD/06/1225  LD/06/1225 | ESIL | 221 | 334 | 113 |
| Gujarat | 3048 | 3401 | 352 |
| Maharashtra | 4259 | 4625 | 366 |
| Chhattisgarh | 1152 | 1550 | 398 |
| LD/06/1269 | 15-06-2019 | Gujarat | 3726 | 4244 | 518 |
| LD/06/1271 | Gujarat | 4094 | 3270 | -824 |
| LD/06/1279 | Gujarat | 3096 | 3723 | 627 |
| LD/06/1293 | Maharashtra | 4651 | 4413 | -238 |
| Madhya Pradesh | 4512 | 4358 | -154 |
| LD/06/1334 | 16-06-2019 | Maharashtra | 5461 | 4947 | -520 |
| Madhya Pradesh | 5200 | 4587 | -613 |
| LD/06/1345 | Madhya Pradesh | 4229 | 3663 | -566 |
| LD/06/1347 | Madhya Pradesh | 4080 | 3628 | -452 |
| LD/06/1348 | Madhya Pradesh | 3992 | 3577 | -416 |
| LD/06/1349 | Gujarat | 2955 | 2602 | -353 |
| Madhya Pradesh | 3975 | 3413 | -561 |
| LD/06/1362 | Gujarat | 2673 | 2199 | -474 |
| Maharashtra | 4800 | 4557 | -243 |
| Madhya Pradesh | 3655 | 3477 | -179 |

**Instances of Congestion In Transmission System IEGC 5.5.1.C (F) (IF ANY) : Annexure-III**

**-NIL-**

**ANNEXURE-IV**

**कोणीय विभाजन उल्लंघन की रिपोर्ट** **Angular separation violation report for 10/06/2019-16/06/2019**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **अनु क्रमांक**  **Sr.No.** | **वाइड कोण जोड़ी Wide Angle pair** | **कोणीय सीमा** **Angular limit** | **% उल्लंघन(प्रतिशतमे)**  **violation** | **अधिकतम ) डिग्री )**  **max (degrees)** | **न्यूनतम) डिग्री )**  **min (degrees)** |
| **1** | **कोरबा-कलवा** Korba-Kalwa | **65** | **0.00%** | **42.92** | **27.57** |
| **2** | **रायपुर-कलवा** Raipur-Kalwa | **60** | **0.00%** | **32.67** | **20.16** |
| **3** | **कोरबा-रायपुर** Korba-Raipur | **30** | **0.00%** | **8.18** | **5.17** |
| **4** | **कलवा-सोलापुर** Kalwa-Solapur | **30** | **0.00%** | **20.69** | **7.58** |
| **5** | **रायपुर-सोलापुर** Raipur-Solapur | **50** | **0.00%** | **20.88** | **3.96** |
| **6** | **वीएसटीपीएस-असोज** VSTPS-Asoj | **60** | **0.00%** | **35.35** | **22.63** |
| **7** | **जबलपुर-असोज** Jabalpur-Asoj | **40** | **0.00%** | **22.58** | **12.50** |
| **8** | **सीजीपीएल-देहगाम** CGPL-Dehgam | **40** | **0.00%** | **19.29** | **8.53** |
| **9** | **बोईसर-कलवा** Boisar-Kalwa | **30** | **0.00%** | **7.05** | **0.14** |
| **10** | **वीएसटीपीएस-बिना ( म.प्र.)**  VSTPS-BIna(MP) | **40** | **0.00%** | **20.48** | **11.48** |
| **11** | **जबलपुर-बिना( म.प्र.)**Jabalpur-Bina(MP) | **30** | **0.00%** | **7.95** | **3.01** |
| **अनु क्रमांक**  **Sr.No.** | **निकटस्थ कोण जोड़ी Adjacent Angle pair** | **कोणीय सीमा** **Angular limit** | **% उल्लंघन(प्रतिशतमे)**  **violation** | **अधिकतम ) डिग्री )**  **max (degrees)** | **न्यूनतम )डिग्री )**  **min (degrees)** |
| **1** | **जबलपुर-इटारसी** Jabalpur-Itarsi | **30** | **0.00%** | **na** | **na** |
| **2** | **रायपुर-भद्रावती** Raipur-Bhadrawati | **30** | **0.00%** | **1.78** | **0.47** |
| **3** | **वीएसटीपीएस-केएसटीपीएस** VSTPS-KSTPS | **30** | **0.00%** | **6.71** | **1.77** |
| **4** | **वीएसटीपीएस-जबलपुर** VSTPS-Jabalpur | **30** | **0.00%** | **1.38** | **8.43** |
| *\*(Note: The fIgures shown above are IndIcatIve only and are calculated based on data acquIred from remote locatIons In Western RegIon over exIstIng communIcatIon lInks.)* | | | | | |

**ANNEXURE-V**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **साप्ताहिक विद्युत दाब विचलन सूचकांक Weekly VDI From 10-06-2019** से **16-06-2019** | | | | | | | | | | |
| **विद्युत दाब विचलन सूचकांक Voltage Deviation Index (VDI) - 765 Substations** | | | | | | | | | | |
| **Sl.No** | **Station Name** | **Voltage (In Volts)** | | **Voltage (In % of Time)** | | | **Voltage (In Time)** | | **Total no. of hours out of IEGC range (HH:MM) (III)= (I+II)** | **Voltage Deviation Index(III)/**  **Total No. of Hours In a Week)** |
| **Weekly**  **Max Voltage** | **Weekly**  **Min Voltage** | **<728** | **728 -800** | **>800** | **No. of hours below IEGC <728 (I)** | **No. of hours above**  **IEGC >800 (II)** |
| **1** | **सिपत Sipat** | **790** | **770** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **2** | **सिवनी SeonI** | **800** | **773** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **3** | **वर्धा Wardha** | **805** | **773** | **0.00** | **96.06** | **3.94** | **0:00** | **6:37** | **6:37** | **0.04** |
| **4** | **बिना BIna** | **795** | **763** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **5** | **इंदौर Indore** | **780** | **750** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **6** | **सासन Sasan** | **779** | **761** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **7** | **सतना Satna** | **789** | **762** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **8** | **तमनार Tamnar** | **800** | **778** | **0.00** | **99.92** | **0.08** | **0:00** | **0:08** | **0:08** | **0.00** |
| **9** | **कोटरा Kotra** | **800** | **776** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **10** | **वडोदरा Vadodara** | **795** | **759** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **11** | **दुर्ग Durg** | **806** | **776** | **0.00** | **83.38** | **16.62** | **0:00** | **27:55** | **27:55** | **0.17** |
| **12** | **ग्वालियर Gwalior** | **801** | **760** | **0.00** | **99.01** | **0.99** | **0:00** | **1:40** | **1:40** | **0.01** |
| **Sl.No** | **Station Name** | **Voltage (In Volts)** | | **Voltage (In % of Time)** | | | **Voltage (In Time)** | | **Total no. of hours out of IEGC range (HH:MM)**  **(III)= (I+II)** | **Voltage Deviation Index(III)/**  **(Total No.of Hours In a Week)** |
| **Weekly**  **Max Voltage** | **Weekly**  **Min Voltage** | **<380** | **380 -420** | **>420** | **No. of hours below IEGC  <380 (I)** | **No. of hours above IEGC**  **>420 (II)** |
| **1** | **भोपाल Bhopal** | **415** | **400** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **2** | **खंडवा Khandwa** | **423** | **407** | **0.00** | **96.09** | **3.91** | **0:00** | **6:34** | **6:34** | **0.04** |
| **3** | **इटारसी Itarsi** | **413** | **399** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **4** | **दमोह Damoh** | **424** | **409** | **0.00** | **90.89** | **9.11** | **0:00** | **15:18** | **15:18** | **0.09** |
| **5** | **नागदा Nagda** | **419** | **401** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **6** | **इंदौर Indore** | **417** | **400** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **7** | **ग्वालियर Gwalior** | **415** | **393** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **8** | **रायपुर Raipur** | **424** | **415** | **0.00** | **67.40** | **32.60** | **0:00** | **54:46** | **54:46** | **0.33** |
| **9** | **रायगढ़ Raigarh** | **425** | **416** | **0.00** | **17.64** | **82.36** | **0:00** | **138:22** | **138:22** | **0.82** |
| **10** | **भिलाई Bhilai** | **419** | **410** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **11** | **वर्धा Wardha** | **427** | **416** | **0.00** | **51.04** | **48.96** | **0:00** | **82:15** | **82:15** | **0.49** |
| **12** | **धुले Dhule** | **437** | **415** | **0.00** | **3.27** | **96.73** | **0:00** | **162:30** | **162:30** | **0.97** |
| **13** | **पारली Parli** | **430** | **406** | **0.00** | **56.97** | **43.03** | **0:00** | **72:17** | **72:17** | **0.43** |
| **14** | **बोईसर Boisar** | **423** | **398** | **0.00** | **97.19** | **2.81** | **0:00** | **4:43** | **4:43** | **0.03** |
| **15** | **कलवा Kalwa** | **430** | **392** | **0.00** | **81.98** | **18.02** | **0:00** | **30:16** | **30:16** | **0.18** |
| **16** | **कराड़ Karad** | **429** | **408** | **0.00** | **56.12** | **43.88** | **0:00** | **73:43** | **73:43** | **0.44** |
| **17** | **असोज Asoj** | **415** | **397** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **18** | **देहगाम Dehgam** | **419** | **399** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **19** | **कासोर Kasor** | **424** | **406** | **0.00** | **96.15** | **3.85** | **0:00** | **6:28** | **6:28** | **0.04** |
| **20** | **जेतपुर Jetpur** | **423** | **400** | **0.00** | **99.09** | **0.91** | **0:00** | **1:32** | **1:32** | **0.01** |
| **21** | **अमरेली Amreli** | **426** | **403** | **0.00** | **93.95** | **6.05** | **0:00** | **10:10** | **10:10** | **0.06** |
| **22** | **वापी Vapi** | **418** | **393** | **0.00** | **100.00** | **0.00** | **0:00** | **0:00** | **0:00** | **0.00** |
| **23** | **मापुसा Mapusa** | **433** | **400** | **0.00** | **71.01** | **28.99** | **0:00** | **48:42** | **48:42** | **0.29** |
| **24** | **काला Kala** | **421** | **395** | **0.00** | **99.71** | **0.29** | **0:00** | **0:29** | **0:29** | **0.00** |
| **25** | **मगरवाड़ा M’wada** | **422** | **399** | **0.00** | **95.48** | **4.52** | **0:00** | **7:36** | **7:36** | **0.05** |
| **26** | **हाजीरा Hazira** | **420** | **399** | **0.00** | **99.99** | **0.01** | **0:00** | **0:01** | **0:01** | **0.00** |

**सिस्टम रिलाइबिलिटी सूचकांक(एटीसी/टीटीसी और वीडीआई)रिपोर्ट**:

***System Reliability Indices(ATC/TTC and VDI) Report for 10-06-2019 to 16-06-2019:***

Details of percentage of time ATC (Available Transfer Capability) violation, percentage of time

(N-1) criteria violation are available at link given below-

https://posoco.in/reports/system-reliability-indices/weekly-vdittcatc/weekly-vdittcatc-2019-20

**वितरण** **Distribution**

1. **मुख्य अभियंता(भा.प्रे.),गेटको एसएलडीसी,गोत्री एन.एच-8 वडोदरा 390014**

**2. मुख्य अभियंता(भा.प्रे.),मध्यप्रदेश राज्य इलेक्ट्रिसिटि बोर्ड,नयागांव,जबलपुर 482008**

**3. मुख्य अभियंता(भा.प्रे.),महाराष्ट्र राज्य इलेक्ट्रिसिटि बोर्ड,पोस्ट बॉक्स 95, ठाणे बेलापुररोड,**

**एरोली,नवी मुंबई 400708**

**4.मुख्य अभियंता(भा.प्रे.),छत्तिसगड राज्य इलेक्ट्रिसिटि पारेषण कंपनी लिमिटेड,डंगानिया रायपुर 492010**

**5. मुख्य विदुयत अभियंता,गोवा इलेक्ट्रिसिटि डिपार्टमेन्ट विदुयत भवन,3 री मंजिल,पणजीम,गोवा.**

**6.महाप्रबंधक ट्रांसमीशन,न्युक्लियरपावर कारपोरेशन,विक्रम साराभाई भवन,अनूशक्ति नगर मुंबई 400094**

**7.कार्यपालक निदेशक,एन.टी.पी.सी,2री मंजिल ,समृद्धि ट्रेड सेंटर,एम.आय.डी.सी.,मरोल,**

**अंधेरी(पूर्व),मुंबई 400093**

**8। कार्यपालक अभियंता,विदयुत भवन 66 के.वी.रोड ,सचिवालय के पास अमली दादरा और नगर हवेली सिलवासा 396230**

**9। मुख्य विदुयत अभियंता,दमण और दिव इलेक्ट्रिसिटि डिपार्टमेन्ट,66/11केवी काचीगाम सब स्टेशन,सोमनाथ- काचीगाम रोड काचीगाम दमण-396210**

**10.सदस्य सचिव,प.क्षे.वि.समिती,एफ-3,एम.आय.डी.सी.,मरोल, अंधेरी(पूर्व), मुंबई 400093**

**11. कार्यपालक निदेशक, पावर ग्रिड, p.xao. प्रा.प्र.-I,संप्रीति नगर नारी रिंग रोड,नागपुर 440026**

**12. कार्यपालक निदेशक, पावर ग्रिड p.xao.प्रा.प्र.-II, क्षेत्रीय मुख्यालय,प्लॉट संख्या 54,रिया-रेवती रिसोर्ट के.पास,अब्मे विद्यालय के सामने,समा सावली रोड बाडोदरा -390008 (गुजरात)**

**13. कार्यपालक निदेशक, एन.एल. डी.सी. पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड**

**बी. 9 कुतुब इंस्टुटीएसनल ,एरिया कटवारिया सराय नई दिल्ली 110016**

**14. कार्यपालक निदेशक पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड एन.आर.एल.डी.सी.,**

**18 ए. एस. एस. मार्ग कटवारिया सराय नई दिल्ली 110016**

**15. कार्यपालक निदेशक,पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड एन.ई.आर.एल.डी.सी. ड़ोंग टिथ लोवर नानगर लापालंग शिलांग-793006(मेघालय)**

**16. कार्यपालक निदेशक, पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड ई.आर.एल.डी.सी,14 गोल्फ क्लब रोड, टोलीगंज कोलकाता-700033**

**17. कार्यपालक निदेशक,पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड एस.आर.एल.डी.सी, 29 रेस कोर्स क्रॉस रोड, बेंगलूर- 560009**