



भारत सरकार  
केन्द्रीय विद्युत प्राधिकरण  
पश्चिम क्षेत्रीय विद्युत समिति  
एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093



आई एस ओ : 9001-2008  
ISO : 9001-2008

Government of India  
Central Electricity Authority  
**Western Regional Power Committee**  
F-3, MIDC Area, Andheri (East), Mumbai - 400 093

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सं: पक्षेविस/प्रचा. / प्रसस-कार्यवृत्त /2019-20/6522

दिनांक 31.05.2019

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 519 वीं बैठक का कार्यवृत्त।

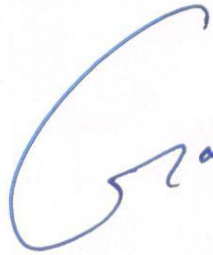
महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 15 मई, 2019 को मुंबई में आयोजित 519 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है।

धन्यवाद।

भवदीय,

संलग्न : उपरोक्तानुसार

  
31/05/19

(जे के राठोड)

अधीक्षण अभियंता (प्रचालन)

## List of OCC Members

	<b>Fax No.</b>
1. Chief Engineer (L D), GETCO, Gotri	0265-2552019
2. Chief Engineer (Generation), GSECL, Vadodara	0265-2344734/2338847
3. Superintendent Engineer (CP & SS), GETCO, Vadodara	0265-2337918, 2338164
4. Chief Engineer (L D), MPPTCL, Jabalpur	0761-2664343
5. Chief Engineer (O&M:Gen), MPPGCL, Jabalpur	0761-2664572/2668050
6. Chief Engineer (L D), MSETCL, Kalwa	022-27601769
7. Chief Engineer (PP), MSEDCL, Mumbai	
8. Chief Engineer (Works),MSPGCL, Mumbai	022-26473896
9. Superintending Engineer (LD), MSETCL Ambazari	07104-220275
10. Chief Engineer (L D), CSPTCL /Raipur	0771-2574174
11. Chief Engineer (O&M:GEN), CSPGCL, Raipur	0771-2574425
12. Executive Director, PGCIL Raipur	
13. General Manager, POSOCO, Mumbai	022-28202630
14. General Manager (WRTS-I), Powergrid, Nagpur	0712-2641366
15. General Manager (O & M),WRTS-II, PGCIL,Vadodara	0265-2487542
16. Chief Engineer (Transmission), NPCIL, Mumbai	25580741/25563350
17. Station Director, TAPS, Tarapur 1 & 2	02525-282125/244125
18. Station Director, TAPS, Tarapur 3 & 4	02525-244021/244169
19. Station Director, KAPP, Kakrapar	02626-231231
20. General Manager (OS), NTPC, Mumbai	022-28216692
21. General Manager, NTPC, Korba	07759- 237462/237552
22. General Manager (OS), NTPC, HQ-II Raipur	0771-2544550
23. General Manager, NTPC, Vindhyachal, M.P.	07805 -247711
24. General Manager, NTPC, SIPAT, CG	07752-246504
25. General Manager NTPC LARA	
26. General Manager NTPC Solapur	
27. General Manager, NTPC, Kawas, Surat	0261-2860290
28. General Manager, NTPC, Gandhar	02642-287402
29. General Manager, NTPC, Mouda	07115-281221/281219
30. CLD TPC, Mumbai	022-25541908/67175385
31. Head (O), Dahanu TPS, Dahanu	02528-222039
32. Sr V P Reliance Transmission, Pune 30471555	0124-3917982/020-
33. Vice President (Generation), Torrent Power Ltd, Ahmedabad	079-27506679
34. Executive Director, Sugan CCPP, Torrent Power Ltd, Surat.	02621-661151
35. Vice President (O &M), APL Mundra , Gujarat	02838-266364
36. Head Operation CGPL Mundra	
37. Vice President (Opn), Jindal Power Ltd.,Raigarh	07767-281993/281995
38. AGM(OS) NSPCL Delhi	011-26717363,26717366
39. GENERAL MANAGER ( POWER), RGPPL, Ratnagiri	02359-241071/ 241011
40. Member (Power), NCA, Indore	0731-2559888
41. Chief Engineer (PM & C), NHDC, Bhopal	0755 4030188/4030130
42. E. E. Elect. (Ponda), Goa	0832-2313780
43. Executive Engineer DD (UT), Daman	0260-/2230771/2250889/2230550
44. Executive Engineer DNH (UT), Silvassa	0260-2642338
45. Secretary, CERC, New Delhi	011-24360010/23753923
46. CEO, JSW Energy ltd.	011-46032343/26183546
47. VP-Power Infra-Essar Hazira Surat	0261-6688498/022-67082198
48. Chief Electrical Distribution Engineer CR	022-22621060
49. Vice President EPTCL Hazira Surat	0261-6682747
50. COO, Korba West Power Co. Ltd. Raigarh	
51. VP(COMML) Essar Power MP Ltd MP	
52. GM Torrent power grid ltd. Ahmedabad, Gujarat	
53. Adani Power Maharashtra Ltd Tiroda	
54. CGM, R K M Powergen Pvt Ltd	
55. ED, Athena Chattishgarh Power Ltd.	
56. Head(O&M) Dhariwal Infra Ltd C'pur	
57. Head Operation Jaypee Nigrie STPP Singrauli.	
58. VP(O&M), GCEL, Chhattishgarh	
59. Head Operation DB Power, Chhattishgarh.	
60. Head operation Hindustan Power, Anuppur MP	
61. Head operation GMR, Warora Energy ltd.	
62. Head O&M, Sterlite Grid Ltd Bhopal	
63. Head Operation Balco, Chhattishgarh.	
64. Head(O& M), SKS, SPGCL, Raigarh	
65. AVP,O&M Electrical,RIPL,Amravati	

**Western Regional Power Committee  
Mumbai**

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**Title:** Minutes of the Meeting  
**Number:** 519  
**Name of meeting:** Operation & Coordination sub-Committee  
**Date & venue:** 15<sup>th</sup> May 2019 at WRPC, Mumbai.

519<sup>th</sup> meeting of Operation & Co-ordination sub-Committee (OCC) of Western Regional Power Committee (WRPC) was held on 15<sup>th</sup> May, 2019 at WRPC, Mumbai. The list of participants is enclosed at **Annexure-I**.

Member Secretary (MS), WRPC extended warm welcome to all the participants of the 519<sup>th</sup> OCC meeting. He informed the forum about the following important operational highlights and events of WR grid during the month of April, 2019:

- a) Maximum frequency of 50.29Hz, minimum frequency of 49.65Hz and average frequency is 50.00Hz. frequency is within IEGC band for 72.76% of time, below IEGC band for 7.09% of time, above IEGC band for 20.14% of time.
- b) Inter-regional export of 7576MUs against schedule of 7484MUs.
- c) Maximum demand of WR for the month of April 2019 is 56242 with peak shortage of 19.68 MW and energy requirement of 35146 MU.
- d) "Draft Manual on communication planning for power system operation" is available on CEA website for comments and comments may be sent by 15<sup>th</sup> June 2019.
- e) CEA published norms for Coal consumption by thermal power plants to be effective from 01<sup>st</sup> April 2019.
- f) There would be an interaction meeting on 24.6.2019 by Hon'ble CERC with Chairpersons & Member Secretaries of RPCs. All the members were requested to furnish any issues that could be taken up with Hon'ble commission.

After the opening remarks, the agenda items were taken up for discussion by S.E(Opn), WRPC.

**Confirmation of the Minutes**

Minutes of 518<sup>th</sup> meeting of Operation & Coordination Sub-Committee (OCC) of WRPC held on 25<sup>th</sup> April, 2019 at WRPC Mumbai, were issued vide letter No. WRPC/OPN/OCC/2018-19/5245 dated 08.05.2019.

*No comments received.*

*OCC subcommittee confirmed the 518<sup>th</sup> OCC minutes without any modification.*

## ■ Review of System Operation (April, 2019)

### 2.1 A. Frequency Particulars (April 2019)

The frequency profile for last three months was as under:

Particulars	Frequency	Date	Time
Maximum instantaneous	50.29 Hz	07 <sup>th</sup> April, 2019	01:12:30 hrs
Minimum instantaneous	49.65 Hz	1 <sup>st</sup> April, 2019	23:05:30 hrs
Average	50.00 Hz		

Range	01 <sup>st</sup> – 28 <sup>th</sup> February, 2019 (% time)	01 <sup>st</sup> – 31 <sup>st</sup> March, 2019 (% time)	01 <sup>st</sup> – 30 <sup>th</sup> April, 2019 (% time)
IEGC band (49.9 < f < 50.05 Hz)	70.73	71.74	72.76
< 49.9 Hz	7.01	9.47	7.09
> 50.05 Hz	22.26	19.39	20.14

*OCC subcommittee noted as above.*

### 2.1 B. State-wise Power Scenarios of the Region & PSP

System operation during the month of **April 2019** was satisfactory. The regional demand was 56242MW. The corresponding peak shortfall was in the range of 19.68 MW (peak deficit of 0.03%). The energy requirement during the said period was 35145.44MUs.

The power supply position (Provisional) for the month of **April 2019** was as follows:

Peak Demand - Availability/Unrestricted Requirement (in MW)									
	GUJ	MP	CG	MAH	GOA	DD	DNH	ESIL	WR
Requirement	17871	10018	4596	23158	594	341	818	898	56242
Availability	17865	10018	4574	23150	594	340	818	898	56222
Shortfall	6.25	0.00	22.41	8.10	0.00	0.71	0.00	0.00	19.68
Reason for short- fall *	FC	-	FC	FC	-	-	-	-	FC
% Shortfall	0.03	0.00	0.49	0.03	0.00	0.21	0.00	0.00	0.03

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<b>Energy - Availability/ Requirement etc.(Ex-Bus) in (MUs)</b>									
	<b>GUJ</b>	<b>MP</b>	<b>CG</b>	<b>MAH</b>	<b>GOA</b>	<b>DD</b>	<b>DNH</b>	<b>ESIL</b>	<b>WR</b>
Net Actual Energy Supplied	10718	6006	2676	14308	388	220	552	276	35145
Unrestricted Requirement	10718	6006	2677	14308	388	220	552	276	35146
SHORTFALL in MU	0.00	0.00	0.92	0.16	0.00	0.00	0.00	0.00	1.07
% SHORTFALL	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00

\*FC-frequency Correction  
 ULS-Unscheduled Load Shedding  
 SCS-Scheduled load shedding.  
 TC-Transmission constraint  
 CS-capacity Shortage  
 SC-Sign change

Revised PSP for the month of April,2019 is attached at **Annexure 2.1B**.

**Discussion:**

SE(Opn), WRPC informed that reason for shortfall in MW is given for better understanding as had been decided in the 518<sup>th</sup> OCC.

*The Sub-Committee noted as above.*

**2.2 Inter-Regional Exchanges (March-2019)**

There was a net inter-regional export of 7576 MUs from WR to other regions against net export schedule of 7484MUs.

*The Sub-Committee noted as above.*

**2.3 Voltage Profile**

Voltage profile at some of 765/400 kV sub-stations furnished by WRLDC is enclosed at **Annexure-2.3**.

**Discussion:**

SE(Opn), WRPC informed that voltage profile of WR nodes improved substantially. He also informed that a meeting was conducted with WR generators on 07/05/2019 to find the solution of the high voltages being

experienced at some nodes in WRand MoM of this meeting will be issued in due course of time.

*The Sub-Committee noted the same.*

## **2.4 U/F Relay Operations**

As per WRLDC records the system frequency didn't touch 49.4Hz (which is revised Stage-I frequency after 8<sup>th</sup> NPC decision) and no UFR operation was reported to WRLDC.

### **Discussion:**

SE(Opn), WRPC informed that he along with EE(Opn), WRPC visited two substations of Maharashtra for UFR inspection and found that UFR is functional and settings were revised by Maharashtra as per NPC recommendations.

*The Sub-Committee noted as above.*

## **2.5 Power Cuts / Load Restrictions**

Details of Power Cuts and Regulatory measures as furnished by the State utilities are given in **Annexure. 2.5**.

*The Sub-Committee noted as above.*

## **2.6 Details of Generating Units under Forced outages**

Details of generating units under forced outages are given in **Annexure-2.6**.

### **Discussions:**

- a) SE(Opn), WRPC enquired about the status of revival of BECL 1, Uran 7, Uran B01, Uran8, Satpura Stage III unit 8, KAPS 1.
- b) Gujarat representative informed that BECL unit 1 would be revived by 28<sup>th</sup> May 2019.
- c) Maharashtra representative informed that Uran 7,8, B01 would be revived by August 2019.
- d) MP representative informed that Satpura unit 8 will be revived by 23<sup>rd</sup> May 2019.
- e) KAPS representative informed that KAPS 1 unit tentative schedule for synchronization by end of May-2019.

*The Sub-Committee noted as above.*

## **2.7 Details of Generating Units under Planned outages**

The details of generating units under Planned Outages are given in **Annexure-2.7**.

*The Sub-Committee noted the same.*

## **2.8 Presentation on operational aspects by SLDCs & RLDC.**

WRLDC gave brief presentations on operational aspects of WR grid for last month however, due to less available time, presentations of SLDCs could

not be presented in the meeting. All the presentations are attached at **Annexure 2.8**.

*OCC subcommittee noted the same.*

## **2.9 List of New Grid Elements added / list of elements decommissioned.**

The list of New Elements added in WR Grid is attached at **Annexure-2.9**.

*The Sub-Committee noted the same.*

## **2.10 Submission of failure analysis of grid elements**

Under regulation 27 of CEA (Grid Standards) Regulations, 2010, failure analysis of equipment failure and tower collapse is to be submitted to RPC and Authority.

All the constituents are requested to report incidences of equipment failure and tower collapse to RPC and Authority as and when such incidences take place.

*The Sub-Committee noted the same.*

## **2.11 Coal stock position**

In prevailing situation of scarcity of coal in the region, it is important to monitor the coal stocks on monthly basis in OCC forum so that deviation of load and generation can be kept minimum. To sensitize all the constituents of WR above the issue of coal scarcity and its impact on load generation, latest CEA coal stock position is attached at **Annexure-2.11-a**.

*The Sub-Committee noted the same.*

# **Operational Planning**

## **3.1 Proposed planned maintenance programme of generating units**

Maintenance programme of generating units for the month of May 2019 and June 2019 was discussed.

The finalised list of maintenance programme of generating units for the months May 2019 & June 2019 given in **Annexure 3.1**.

### **Discussion:**

SE(Opn), WRPC informed that CGPL unit 30 outage is approved from 01/05/2019 to 07/05/2019 for statutory hydro test. However, CGPL did not avail the unit outage and the same was not informed to beneficiaries, WRLDC and WRPC.

SE(Opn), WRPC suggested that all entities/generators not availing planned outages should inform on (D-3) basis to WRLDC, WRPC and to respective beneficiaries for better system and commercial planning.

*The Sub-Committee accepted the above suggestion and recommended all entities/generators to intimate for differing planned outages on (D-3) basis to WRLDC, WRPC and to respective beneficiaries.*

### **3.2 Outage programme of Transmission Lines/Elements.**

Transmission element outages were discussed through VC on 14/05/19. The list of proposals for transmission elements outage to be availed during the month of **June 2019** is given at **Annexure 3.2**.

*The Sub-Committee noted the same.*

### **3.3 Anticipated power supply position for the months –May 2019 & June 2019.**

Details of anticipated restricted & un-restricted demands for the months of **May 2019 & June 2019** are given in **Annexure 3.3**.

Maharashtra, Gujarat, MP & Chhattisgarh updated the anticipated data.

*The Sub-Committee noted the information.*

## **Operational Statistics for the month of April 2019**

The details of actual generation, demand, drawl of power from grid; exchanges etc. are given in the following Annexures:

**Annexure 4.1** - Actual generation and requirement.

**Annexure 4.2** - Peak demand data.

**Annexure 4.3** - Integrated operation of the system and operation of Inter-state tie-lines.

**Annexure 4.4** – Details of level of major reservoirs in Western Region.

### **Discussion:**

WRPC requested all IPPs to submit monthly unit wise details of generation, peak demand and auxiliary consumption to WRPC for preparation of monthly reports to be sent to CEA.

*The Sub-Committee noted / agreed to furnish information.*

## **System Disturbances in Western Region**

There was no major grid disturbance in the Western Region during the month of **April, 2019**. The details of minor incidences during the month received from WRLDC are enclosed at **Annexure-5**.

*The Sub-Committee noted as above.*

## ■ Healthiness status of SERs/DRs of equipment in the system.

The updated status of Constituents who have furnished the status of healthiness of SER/DRs in their systems is given at **Annexure-6**.

WRPC enquired about entities who have not submitted the status of SERs/DRs of equipment in the system. Constituents assured to submit the status on time.

*The Sub-Committee noted as above.*

## ■ Status of completion of ongoing schemes in WR

### 7.1 Status of Commissioning of Reactors

### 7.2 Status of Transmission schemes - 765/400 kV and above

### 7.3 Status of Commissioning of new Generating units in WR

The updated status of above items is at **Annexure-7**.

*The Sub-Committee noted the above information.*

## ■ Miscellaneous Operational Items

### 8.1 Quarterly review of Crisis Management Plan (CMP) and Physical & Cyber Security (P&CS) in power sector

All constituents are requested to submit current status of CMP and P&CS report (constituent wise) for the fourth quarter (January to March 2018) as per format enclosed at **Annexure-8.1**.

#### **Discussion:**

MS, WRPC requested all entities to conduct third party audit of power sector entities and submit report at the earliest.

Various entities informed the following regarding cyber security audit.

S. No	Entity	Remarks
1	Maharashtra	Cyber security under upgradation. Report will be submitted in 2 months
2	Chhattisgarh	Audit carried out. Report will be submitted in a week
3	Gujarat	SCADA PMU report will be submitted by the end of month. MIS audit is under tender process.
4	Madhya Pradesh	Report will be submitted in two months
5	NSPCL	Report will be submitted in one month.
6	CGPL	Report will be submitted in one month.
7	Adani	Report will be submitted in one week.
8	TATA	Report will be submitted in one week.

9	RKM power	Report will be submitted in one week.
10	NCA	Report will be submitted after cyber security to be conducted by SSNL.
11	TAPS12	Informed that plant equipment are not connected to outside world internet as a safety measure by govt of India.
12	NTPC	NTPC is having cyber security cell
13	EPTCL	SCADA is independent
14	RIPL	Report will be submitted in one month.

*The Sub-committee noted the same and agreed to furnish the third party audit information.*

### **8.2 Monitoring of Schemes funded from PSDF**

As per the decision taken in NPC meetings, RPC may follow up with the utilities regularly in OCC to expedite the completion of various approved schemes by giving due priority. Accordingly, WRPC has been taking up this issue in OCC forum for discussion.

In this matter, the details related to State-wise sanctioned grant and disbursement amount for the approved schemes to be funded from PSDF is attached at **Annexure-8.2A**.

Also, as per the procedure, the utilities are required to furnish the information in the prescribed format by first week of every month on regular basis to Member Convener, PSDF project monitoring group (AGM, NLDC, POSOCO) with a copy to NPC & WRPC division. A copy of prescribed format is attached at **Annexure-8.2B**.

*Subcommittee noted as above.*

### **8.3 State-wise details for Installation of capacitors to be furnished to WRPC**

In accordance with provision in clause 1.5 (ii) of IEGC, “RPC shall file monthly report on installation of capacitors by states vis-a-vis the requirement/targets, as decided in the RPC”

SLDC’s /DISCOMs are therefore requested to expedite the matter and ensure to furnish the status of capacitor report in format attached at **Annexure 8.3** on monthly basis regularly. SLDC’s are also requested to compile the details of various utilities and send the compiled report of entire state by 8th day of every month.

#### **Discussion:**

SE(Opn), WRPC requested all the participants to furnish the details by 8<sup>th</sup> day of month in order to avoid delay and issue of capacitor report to CERC.

*The Sub-Committee noted the same.*

## 8.4 Cyber security related works /activities being carried out in Western Region.

CE(IT), CEA, New Delhi vide letter dated 31.08.2018 informed that Secretary (Power) is going to review the cyber security related works /activities being carried out in Power Sector shortly. In this regard, it is requested to provide the utilities/ State-wise status on following action points pertaining to cyber security:

1. Appointment of organization-wise Chief Information Security Officers and its status.
2. Identification of organization-wise Critical Infrastructure and its status.
3. Preparation of organization-wise Crisis Management Plan and its status.
4. Status of Cyber Security Mock Drill activity in coordination with CERT-In.
5. Status of Training / Workshops on Cyber Security organized / participated by power sector entities.
6. Status of action taken on CERT-In / NCIIPC advisories.

The agenda point had also discussed in the 512<sup>th</sup> OCC meeting wherein all the utilities had been requested to furnish the detail information related to above action points. However, all the utilities have not so far furnished the requisite details. The mane of utilities who has furnished the information and who are yet to furnish the information is listed in the following table A and table B respectively:

### A. Data/information received (✓):

Sr No	Name of Utilities	Sr No	Name of Utilities
1	Chhattishgarh	14	KSK Mahanadi
2	Madhya Pradesh	15	MB Power(Hindustan Power)
3	NTPC	16	RKM Power
4	TATA Power	17	WRTS-II, PGCIL Vadodara
5	WRLDC	18	Gujarat
6	NHDC	19	SKS Energy
7	WRTS-I PGCIL, Nagpur	20	DB power
8	CGPL	21	JPL
9	APML	22	APL
10	Essar Mahan	23	GMR Chhattishgarh
11	GMR Warora	24	JNSTPS
12	NPCIL	25	Sasan power

13	Jhabua power	26	Maharashtra
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## B. Data/information Awaited (✕):

SN	Utilities	Reason for non-submission
1	DTPS Dahanu	
2	NCA	Confidential as per NCA representative
3	DD	
4	DNH	
5	GOA	SLDC Goa Representative informed that action will be taken
6	Lanco Power	
7	TRN Energy	
8	ACBIL Energy	

**All utilities listed in Table-B are requested to submit the point-wise information during the meeting.**

### Discussion:

Jhabua power representative informed that they will give details within 10 working days after discussion with management.

*OCC Sub-Committee noted the same.*

## 8.5 Operation of Hydro power projects in peaking mode

### Background:

- A sub-committee has been constituted under Chairperson, CEA with heads of POSOCO, NHPC, SJVN & THDC as members and Director (H), MoP as Member convener. In the meeting of the sub-committee, it was concluded that there is scope of 2000 MW additional power generation from hydro stations during peak hours.
- During the 497th OCC, WRPC suggested all respective constituents to find the scope of complete utilization of hydro power and discuss the practical issues in monthly OCC meetings.
- The matter was further discussed during 499th OCC meeting held on 20.09.2018, wherein shifting of hydro power projects from base load operation mode to peaking mode was discussed and SLDC's were advised to utilize the available water judiciously and schedule hydro stations for peaking mode of operation.

- d) Further the following recommendations of Sub-Committee (under Chairperson CEA), shall be taken as a regular agenda item in monthly OCC:

“The status of peaking support provided by the hydropower stations, constraints if any for inability to provide support for peaking may be included as a standing agenda item in all future monthly Operation Co-ordination Committee (OCC) Meetings.”

Objective of this agenda item would be to maximize peaking availability by optimizing period of shut down of hydro units, monitoring of shut downs / outage of the units and follow- up to expedite revival thereof.”

#### **518<sup>th</sup>Discussion:**

- SE(Opn), Maharashtra informed that Koyna HEP and Ghatghar HEP are used for peaking mode and sign reversal since the implementation of DSM 4<sup>th</sup> amendment regulations.
- SE(Opn), Chhattisgarh informed that they have only one plant i. e Hasdeo bango HEP where Power is generated based on the irrigation requirement.
- MP representative informed that power generation is planned based on the irrigation requirement. He also informed that Devlond HEP is operated based on the Bihar irrigation requirement and Gandhi Sagar HEP is operated based on Rajasthan irrigation requirement. Further OSP and ISP HEP are operated based on the reservoir level of SSP.

In view of above SLDCs may apprise OCC:

- The present status of hydro reserves in respective states.
- Constraints if any for providing peaking support from hydro stations.
- Actions being taken to maximize peaking availability from hydro Stations.

#### **519<sup>th</sup>Discussion:**

- WRLDC representative informed that Koyna HEP operated during off peak period in the month of April 2019.
- CE, SLDC, Gujarat stated that the operationalization of pump mode operation of SSP is a long pending issue. If SSP is operationalized for pump mode operation, real time operation of system operators would be more easy and also it would help to flatten load duration curve.
- Maharashtra representative informed that Koyna HEP operates on year to year basis and during the month of April and May, Plant will be operated as base load plant to utilize the water as per government directions.

*OCC Sub-Committee noted the same.*

## **8.6 Compliance of new Environmental norms by WR Generators. Background:**

## **a) Background :**

- A special meeting was held on 01/09/2017 at New Delhi to review implementation of new environment norms for Thermal Power Plants under the Chairmanship of Secretary, Ministry of Environment, Forest and Climate Change.
- Subsequently, CEA directed WRPC to organize a Special TCC meeting to discuss above issue.
- In this regard a discussion was held by Principal Chief Engineer, CEA with some of the generators on 21.09.2017 at WRPC, Mumbai.
- After this, a Special TCC meeting of WRPC was held on 28.09.2017 at WRPC, Mumbai to discuss a single point agenda for revised plan for Installation of FGD in generating units to comply with new MOEF norms of SOX emissions.

### **36<sup>th</sup> WRPC** (item no. C.3, 22/23 June-2018)

*“Chairman WRPC advised all GENCOs to move faster and stated that there was no escape. He further added that as the notification was issued by MoEF, there was no exemption or special treatment to anyone. He also cautioned about danger of closing the units at the end date.”*

### **513<sup>th</sup> OCC** (item no. 8.9, 19<sup>th</sup> Nov, 2018)

- Generators were requested for updating the status of progress of FGD installation work.
- It was informed that central pollution control board (CPCB) is continuously monitoring the status of installation of FGD hence all generators were requested to adhere to the timelines as per the list available on CPCB website.

[http://cpcb.nic.in/uploads/direction/Direction\\_tpp\\_Combined\\_12.06.2018.pdf](http://cpcb.nic.in/uploads/direction/Direction_tpp_Combined_12.06.2018.pdf)

### **37<sup>th</sup> WRPC (Item No. O.3, 17/18<sup>th</sup> December 2018)**

Member Secretary, briefed the issue and informed that in the month of March 2020, three units of WR shall be complete installation & commissioning of FGD. He raised the concern about the other generators, whether commissioning process is started or not ? He further informed that total time of commissioning takes almost 30 to 36 months and requested all the concern generators in WR to expedite the work as per CPCB time lines.

### **New Development on which discussion is required :**

TPRM Division, CEA, vide its letter dated 27/03/2019 intimated that the Secretary (Power), Ministry of Power (MoP) in a meeting on 12.03.2019 stated that the process of compliance of new environment norms by thermal power plants needs to be speed up. In view of this TPRM, CEA requested WRPC to monitor the compliance on new environment norms and status of

implementation. Accordingly a list of thermal generating units where FGD is to be operationalized by December 2020 have been prepared which is given below. The list has been prepared based on list of units monitored by CEA as well as CPCB:

<b>FGD phasing plan for the year of 2020</b>								
<b>Sr. No.</b>	<b>Developer</b>	<b>Name of Project</b>	<b>Unit No</b>	<b>Unit Capacity</b>	<b>Date of commissioning</b>	<b>FGD Phasing Plan</b>	<b>Monitored by</b>	<b>Remarks/ comments</b>
1	DB Power	BARADARHA TPS	2	600	24-03-15	30/09/2020	CEA/CPCB	Bid under evaluation
2	GMR	RAIKHEDA TPP	1	685	24-02-15	30/06/2020	CEA/CPCB	
3	GMR	RAIKHEDA TPP	2	685	28-03-16	30/09/2020	CEA/CPCB	
4	SKS Power Gen. (CG L)	Binjkote TPP	1	300	25-04-17	30/09/2020	CEA/CPCB	
5	TRN Energy Private Lt	NAWAPARA TPP	2	300	18-04-17	30/09/2020	CEA/CPCB	
6	Tata Power (CGPL)	MUNDRA UMTTP	1	800	07-03-12	30/06/2020	CEA/CPCB	Vendor finalised
7	ESSAR power	MAHAN TPP	1	600	24-02-13	31/12/2020	CEA/CPCB	Engineering complete
8	Jaiprakash Power Ventu	NIGRI TPP	1	660	29-08-14	30/06/2020	CEA/CPCB	
9	JaiprakashPower Ventu	NIGRI TPP	2	660	27-02-15	30/09/2020	CEA/CPCB	
10	Jhabua Power Ltd.	SEIONI TPP	1	600	22-03-16	31/03/2020	CEA/CPCB	Preliminary engineering complete
11	MAHAGENCO	CHANDRAPUR STPS	9	500	21-03-16	31/03/2020	CEA/CPCB	Price bid opened
12	MAHAGENCO	KORADI TPS	10	660	28-12-16	31/12/2020	CEA/CPCB	Tender Published
13	NTPC	MOUDA TPS	4	660	18-03-17	31/12/2020	CEA/CPCB	Under construction
14	NTPC	SOLAPUR	1	660	07-04-17	31/12/2020	CEA/CPCB	
15	SKS Power Gen. (CG)	Binjkote TPP	2	300	28-03-18	30/09/2020	CEA/CPCB	
16	Maruti clean coal &pvt. Ltd (MCPL)	Bandhakar TPP	1	300		31/03/2020	CPCB	
17	CSPGCL	Korba West Extn.	1	210		31/12/2020	CPCB	Tender Published
18	CSPGCL	Korba West Extn.	2	210		31/12/2020	CPCB	
19	CSPGCL	Korba West Extn.	3	210		31/12/2020	CPCB	
20	CSPGCL	Korba West Extn.	4	210		31/12/2020	CPCB	
21	CSPGCL	Korba-II TPS	1	50		31/12/2020	CPCB	Unit closed
22	CSPGCL	Korba-II TPS	2	50		31/12/2020	CPCB	Unit closed
23	CSPGCL	Korba-II TPS	3	50		31/12/2020	CPCB	Unit closed
24	CSPGCL	Korba-II TPS	4	50		31/12/2020	CPCB	Unit closed

25	CSPGCL	Korba-III TPS	1	250		31/12/2020	CPCB	
26	CSPGCL	Korba-III TPS	2	250		31/12/2020	CPCB	
27	Pvt sector,CG	Gupta Energy Pvt ltd	1	60		31/12/2020	CPCB	
28	Pvt sector,CG	Gupta Energy Pvt ltd	2	60		31/12/2020	CPCB	
Total (28 units)				10630 MW				

*All the generating companies may update the progress with regard to activity of FGD installation. OCC sub-committee may discuss.*

**Discussion:**

SE, WRPC informed that in addition to the above units, there are lists of units for year 2021 and 2022 and which are also being monitored but the dead lines of units shown above are very near and therefore the list is given detail. He requested all the participants to give update.

The Representatives present in the meeting updated the status as shown in above table. SE, WRPC requested SLDCs to coordinate with remaining State GENCOs to furnish the updates in the direction of installation of FGD within specified time.

*OCC Sub-Committee noted the same*

**8.7 Automatic Under Freq. Load Shedding Scheme (AUFLS)**

**(A) Review of AUFLS settings**

The review of AUFLS scheme was being deliberated from the 2nd NPC meetings. National Power committee (NPC) in its 8th meeting dated 30th November 2018 has revised AUFLS settings by 0.2Hz each (MoM of 8th NPC at Annexure 8.10). The decision of the 8th NPC w.r.t to AUFLS scheme is as follows:

**Quote**

*After deliberation, the committee, agreed for the AUFLS scheme with 4stages and raising the frequency by 0.2 Hz viz. 49.4, 49.2, 49.0 & 48.8 Hz. The quantum for AUFLS would be reworked by NPC Secretariat based on the deliberation.*

*It was also decided that, NRPC may appoint a Consultant from their own resources as proposed by MS (NRPC) for studying the AUFLS scheme for Indian grid and submit the study report to NPC Secretariat within a time of six months.*

*The revised load relief for AUFLS computed by NPC Secretariat would be discussed along with the report of Consultant appointed by NRPC (if available), in the next meeting of NPC which would be held in the month of May, 2019.*

## **Unquote**

### **516<sup>th</sup> OCC Discussion:**

SE(Opn) informed that 8<sup>th</sup> meeting of NPC agreed for AUFLS scheme with raising frequency by 0.2Hz viz 49.4,49.2,49.0 & 48.8 Hz. He requested all states and UTs to implement the changes in their AUFLS scheme on priority with intimation to WRPC.

*OCC subcommittee noted the same and agreed to change settings.*

### **519<sup>th</sup> OCC Discussion:**

Maharashtra, Madhya Pradesh and Chhattisgarh representatives informed that required changes were made in setting of all relays covered under AUFLS.

Gujarat representative informed that the change of settings will be completed by May 2019.

As there was no representation from Goa, DD and DNH and therefore it was suggested by MS, WRPC to write to them to make necessary change in relays associated with AULFS.

*OCC subcommittee agreed on suggestion given by MS, WRPC.*

## **(B) Mapping of feeders**

### **Background (516<sup>th</sup> OCC):**

Mapping of Feeders: In the 7th Meeting of NPC, it was agreed that each RPC would submit the details / progress of feeder mapping to NPC secretariat.

- In 8th NPC, WRPC Secretariat made the following statement:

“WRPC has informed that the issue of mapping of feeders was discussed in OCC several times in recent past. In the 493rd OCC, all the constituents were requested to initiate the process of mapping of AULFS feeders in SCADA system as most of these feeders are not covered by SCADA. During the discussion, the Western Region constituents normally raised the following concerns: Maharashtra: AULFS wired feeders are at 66kV, 33kV and even at 11 kV level– and these feeders are not covered under SCADA at present. Gujarat: Most of the AULF wired feeders are at 66kV which is not yet covered– under SCADA and therefore these cannot be mapped at present. The views of remaining constituents are same as above”

- Under this agenda item, the following has been recorded in 8th NPC MoM.:

*Quote*

*After deliberation, it was agreed that each RPC would submit the details / progress of feeder mapping to NPC secretariat on a regular basis (quarterly).”*

*unquote*

- The issue of mapping of feeders have been discussed in 516<sup>th</sup> OCC and the following were the recommendation of 516<sup>th</sup> OCC:

*Quote:*

*MS,WRPC requested SLDC to provide details of typical substation of 66/33/11 KV levels where problems are being faced, so that study can be carried out by IIT/IISc for suitable implementation of feeder mapping.*

*SLDCs agreed to provide the details within one week.*

*Unquote*

*In view of above, SLDCs may update the status regarding implementation of pilot project.*

**518<sup>th</sup>Discussion:**

*MS,WRPC requested entities to choose at least one substation and take up a pilot project for mapping and share the experiences / difficulties in OCC forum*

**519<sup>th</sup>Discussion:**

Gujarat representative informed that 132KV Chiloda S/Sis selected as pilot project for mapping of feeder and vendor will submit the report by June 2019.

Maharashtra representative informed that the proposal for pilot project for feeder mapping was communicated to Maharashtra STU and 220KV Substations having SCADA and RTU will be taken up for mapping. Further the feasibility and plan for other stations needs to be explored.

MP representative informed that all 33KV UFR feeders are mapped and they are visible at SLDC, Jabalpur.

WRLDC requested MP that visibility of all 33 KV feeders where AUFLs is identified be shared at WRLDC.

MS, WRPC suggested that a meeting among STU's and respective SLDC's should be conducted to identify all 220KV and 33 KV feeders where AUFLS is intended to operate. Further he suggested that CDAC officials be requested to give a presentation in OCC regarding the technology adopted in Southern Region to implement feeder mapping.

*OCC Subcommittee noted the above and recommended to adopt the suggestion by MS, WRPC.*

## **8.8 Flexibilization of Thermal power plants-Unit identification for pilot project demonstration**

CEA vide its letter dated 27.03.2019 (copy of letter enclosed at Annexure 8.7) has requested the utilities to identify one-unit of 200/500 MW to be included in pilot test for flexible operation. However, the utilities have not identified the units as on 27/03/2019.

### **518<sup>th</sup> OCC Discussion:**

Maharashtra representative informed that Bhusawal unit 4 (500 MW) and Parli Unit 8 (250 MW) is under consideration for pilot project.

MS,WRPC requested states to identify one unit of 200 / 500 MW generating unit for pilot project demonstration on Flexibilization of Thermal power plants. Further he requested state SLDCs to coordinate with state generating companies and communicate the output with CEA and WRPC.

*In view of above, SLDCs may kindly update the status on the above.*

### **Discussion:**

Gujarat representative informed that Ukai unit 6 and WTPS unit 4 are identified for the project.

CE,SLDC Chhattisgarh informed that meeting was conducted in this regard and identified unit will be intimated to WRPC.

*OCC subcommittee noted as above.*

## **8.9 Implementation of Environmental norms in Thermal Power Plants**

CEA vide its letter dated 26.03.2019 (copy of letter enclosed at Annexure 8.8) has intimated that during the review meeting by JS (Thermal), Ministry of Power on 20.03.2019 at MOP, the action plan for compliance of environmental norms for the balance thermal capacity presently not being monitored was discussed. The balance capacity that needs to be monitored is 30,380 MW. The balance capacity that could not be monitored is due to various reasons, such as generators using CBFC technology, FGD already installed, units to be decommissioned, plan not available etc.

As per the letter, RPC has to take update from Generators under category where *FGD plan not submitted* (Sr No.4), *Newly Commissioned* (Sr No.6), *Not in operation* (Sr No.7), *Status not available* (Sr No.8)

The detailed breakup of the above capacities along with plant locations is enclosed at Annexure I of the letter dated 26.03.2019. Summary of list of generating units to be monitored by WRPC is given below:

<b>Units that have not submitted FGD Plan (S. No 4)</b>						
Sl.No.	State	Organisation	Name of Project	Unit No.	Total Capacity	Remark
1	Chhattisgarh	CSPGCL	KORBA-III	1	120	
2	Chhattisgarh	CSPGCL	KORBA-III	2	120	
3	Chhattisgarh	CSPGCL	KORBA-WEST TPS	1	210	
4	Chhattisgarh	CSPGCL	KORBA-WEST TPS	2	210	
5	Chhattisgarh	CSPGCL	KORBA-WEST TPS	3	210	
6	Chhattisgarh	CSPGCL	KORBA-WEST TPS	4	210	
7	Gujarat	TOR.POW.(U)	SABARMATI(C STN.)	15	30	Retired
8	Gujarat	TOR.POW.(U)	SABARMATI(C STN.)	16	30	Retired
9	Maharashtra	GEPL	GEPL TPP Ph-I	1	60	Not connected to EHV
10	Maharashtra	GEPL	GEPL TPP Ph-I	2	60	Not connected to EHV
<b>Newly Commissioned (S. No 6)</b>						
Sl.No.	State	Organisation	Name of Project	Unit No.	Total Capacity	
1	Madhya Pradesh	MPPGCL	SHREE SINGAJI TPP	3	660	FGD plan is under preparation
2	Madhya Pradesh	ESSAR PMPL	MAHAN TPP	2	600	
<b>Units where status is not available(S. No 8)</b>						
Sl.No.	State	Organisation	Name of Project	Unit No.	Total Capacity	
1	Chhattisgarh	VVL	SALORA TPP	1	135	Disconnected from Grid
2	Maharashtra	TATA PCL	TROMBAY TPS	6	500	Retired

*Utilities/generators may update on issue with regard to 'FGD plan not submitted, Newly Commissioned, Not in operation, Status not available' with respect to above listed units.*

**Discussion:**

MP representative informed that FGD plan for Singhaji unit 3 is under preparation and plan will be submitted after finalization.

During the discussion, it was decided that SLDC, Chhattisgarh would coordinate with CSGCL to furnish the status. It was also agreed that ESSAR PMPL would furnish the updated status at the earliest.

*OCC subcommittee noted as above.*

## **8.10 Summer preparedness of Western region**

**In view ensuing summer season all the regional entities are advised to ensure the following:**

- All constituents shall carryout load forecasting, advance generation planning and ensure efficient utilization of resources for maintaining the load generation balance. This load generation balance has to be closely monitored on monthly, weekly and daily basis. It is also suggested that SLDC's operation team monitors the load and demand pattern on hourly basis in real-time. Further in case of any abnormality or deviation the same has to be intimated to WRPC/WRLDC.
- Maximum availability of thermal generating stations to be ensured by all constituents/ISGS/IPPs. Maximum number of units to be kept ON-BAR. Also, during the AOH/COH planning it shall be ensured that 500 MW and above units are to take outage after June-2019.
- Constituents have to revive the generating units in RSD/closed down due to low demand condition to ON-BAR.
- Optimization of hydro resources may be done and hydro power may be used for peaking purposes.
- Advance action to be taken for stocking of sufficient coal in thermal power stations and other energy sources such as Gas.
- Rescheduling or deferment of maintenance schedule of power plants whenever possible, is to be ensured.
- The Gas/Naptha/RLNG based stations shall be utilized for meeting the demand whenever necessary and URS (Un-Requisition Surplus) shall be availed by constituents.

*OCC members noted the above.*

## **8.11 Ratification of projected demand and generation of WR for the quarter Q2 2019-20.**

The load generation data for the period of July 2019 to September 2019(Q-2) is to be ratified for POC charge calculation.

The generation projection and demand sheet is enclosed at Annexure 8.10.

**Discussion:**

SE(Opn),WRPC requested entities who have not submitted the data to submit by 17/05/2019 as validation committee meeting will be conducted shortly.

*The subcommittee noted as above.*

## **8.12 SLDC, Gujarat Agenda Items**

### **A. Correct real time data availability of central sector station at SLDC Gotri:**

SLDC, Gujarat has informed that vide its letter no. SLDC/SCADA/24 DTD- 4.1.19 informed General Manager PGCIL, WR-II regarding real time data not correct with field value of following S/S:

1. 400 KV Jhanor – Sugan MW (Jhanor S/S)
2. 400 KV Jhanor – Dehgam line no. 1 (Jhanor S/S)
3. Vapi PG 400/220 Kv ICT -3 MW (Primary)
4. Vapi PG 400/220 Kv ICT -1 &3 MW (Secondary)
5. 400 KV KAPP – Vapi line 1 &2 (KAPP S/S)
6. 400 KV Bhachau – Vadavi line 1 & 2 (Bhachau S/S)
7. 400 Kv Vapi PG – KAPP line 1&2 (Vapi PG S/S)
8. 220 KV Vapi PG all 220 KV lines
9. 400 KV Dastan – Jhanor line (Dastan S/S)

This issue is not yet resolved.

*PGCIL may update the status on above.*

**Discussion for item 8.12 A is recorded along with item 8.12 B as given below:**

### **B. Non-availability of real time data of NTPC stations to SLDC, Gujarat**

SLDC, Gujarat has informed that it has repeatedly taken up the matter with respective power stations of NTPC for Non-availability of real time data of NTPC stations to SLDC, Gujarat. It seems that NTPC is not interested to resolve issues. It is necessary that NTPC should take initiative and offer concrete solution.

**Discussion for item 8.12 A and B:**

CE, SLDC Gujarat informed that SCADA data of some ISTS lines and NTPC stations is not available leading to difficulty to manage sign violation clause by SLDC, Gujarat. Further at 400 KV Jhanor- sugen and 400 KV Jhanor – Dehgam line 1 the data received is not accurate and all the parameters are incorrect which are having financial implications for Gujarat

PGCIL WRTS-II representative informed that ownership of communication equipment is not with PGCIL. He also stated that RTU transducers are required to be replaced

NTPC representative informed that communication equipment is maintained by PGCIL however there is no issue for replacement of transducers but it appears that the problem is in RTU.

SE (Opn), WRPC informed that representatives from GETCO, PGCIL and NTPC will visit each site for resolving the issues and the same will be coordinated by PGCIL. He suggested to have a meeting among NTPC, GETCO and PGCIL within one week to identify the problem and ensure correctness of parameters

*OCC subcommittee recommended GETCO,PGCIL and NTPC to have a meeting at site i.e Jhanor (NTPC) within one week and resolve the issue.*

### **C. Permission for providing RTAMC real time data of interface points to SLDC-Gujarat:**

SLDC, Gujarat has informed that Special SCADA meeting was held at WRPC, Mumbai on 26.04.19. In the meeting, it was concluded that the RTAMC data will be provided to WRLDC in first phase and from WRLDC, SLDC will get the real time data. It was decided that WRLDC will take up the matter with respective authority. The progress in the matter to be discussed during meeting.

- 1. SLDC, Gujarat may present the agenda.*
- 2. WRLDC update the status of progress on providing RTAMC real time data of interface points to SLDC-Gujarat.*

### **Discussion:**

CE,SLDC Gujarat informed that RTAMC real time data of interface points of Gujarat will improve the real time decision making of operators. Therefore he requested WRLDC to provide real time RTAMC data.

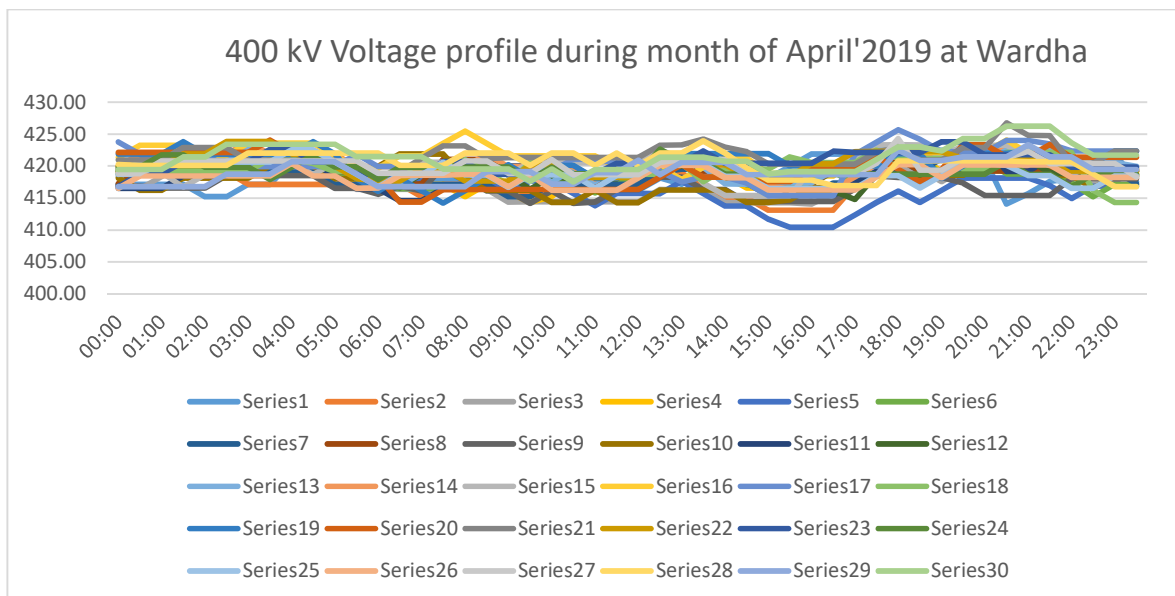
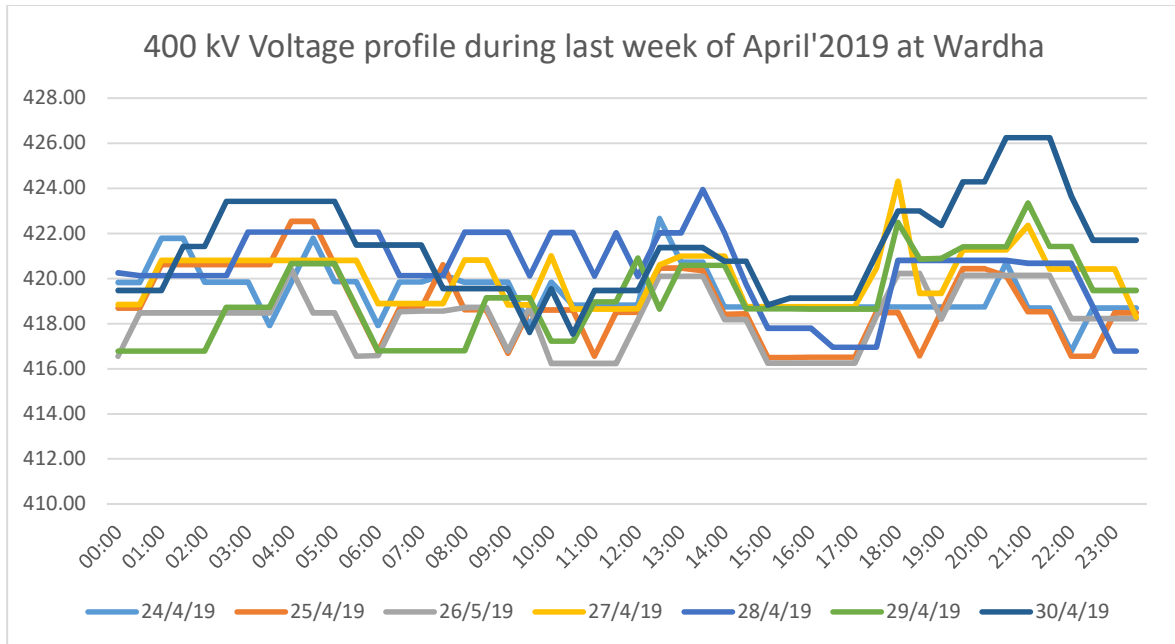
WRLDC representative informed that PGCIL has raised the issue of cyber security for providing the RTAMC data. PGCIL representative stated to provide RTAMC data to SLDCs is a policy decision which can only be taken at corporate level. In response, CE,SLDC Gujarat requested WRPC to write to PGCIL corporate office to allow access of RTAMC data.

*OCC subcommittee noted as above.*

### 8.13 POWERGRID proposes to charge 80MVAR Reactors of 400kV Wardha - Aurangabad lines (1200 kV Wardha - Aurangabad) at Wardha end as bus reactor

PGCIL WR-I vide email dated 09.05.2019 has informed the following

400 kV Voltage profile of Wardha during last week of April'2019 is :



As can be seen from the graphs the Voltage at Wardha is most of the time is high. In order to control the voltage at Wardha POWERGRID proposes to charge

80MVAR Reactors of 400kV Wardha - Aurangabad lines (1200 kV Wardha – Aurangabad) at Wardha end as bus reactor.

- (1) WRLDC may furnish data showing voltage index for Wardha for one year showing seasonal variability in voltage
- (2) WRLDC may undertake required study and appraise to OCC

**Discussion:**

SE(Opn),WRPC requested PGCIL representative to brief the forum regarding agenda with relevant data.

PGCIL representative informed that Wardha node is recording high voltages most of the time. He also informed that 80MVAR line reactor of 400KV Wardha-Aurangabad line is available and the same may be charged as bus reactor to control over voltages.

WRLDC representative informed that high voltages are recorded at Wardha node and one circuit of 765KV Wardha-Aurangabad line is kept open to control over voltages. He also informed that switching facility should be available for switching on at high voltages and switching off at low voltages.

MS,WRPC suggested that it is better to approach WRSCT for any change of reactor scheme arrangement.

*OCC subcommittee noted as above.*

### **8.14 NTPC Agenda items:**

NTPC vide email suggested to include the following items for discussion in the 518<sup>th</sup> OCM but due paucity of time the agenda items could not discussed. The agenda items to be discussed are as follow:

#### **A. Outages Approved in OCCM but deferred due to no consent by PGCIL on outage date**

Outage deferred by PGCIL/WRTS-1:

PGCIL 400 kV Lines(ownership-PGCIL) Sipat Ranchi 2 outages were approved in 517<sup>th</sup>OCCMs and was approved for 15.04.2019, but on 12.04.2019was deferred by PGCIL during reliability consent sought by WRLDC as their line Availability may get impacted. Due to this necessary schedule maintenance could not be carried out along with unnecessary stress on equipment. Further there was a delay in communication from PGCIL regarding consent not being given, hence PGCIL is requested to communicate promptly as necessary planning may be carried out.

- (1) NTPC may explain
- (2) PGCIL may clarify the reasons for deferment.

**Discussion:**

NTPC representative informed that some of the bays at NTPC stations are owned by PGCIL and maintained by respective NTPC stations. However, NTPC is unable to avail planned shutdown approved in OCC for maintenance activities as the same is differed by PGCIL in real time. Due to this, NTPC is unable to carry out maintenance activities. He also informed that bay maintenance activities as per NTPC manual will take 2 days.

PGCIL representative informed that bay maintenance activities which do not require line outage should be carried out first and activities which require line outage may be completed in one day. He also informed that transmission line availability of PGCIL is reducing due to more outage hours by NTPC.

CE,SLDC Gujarat opined that maintenance activities do not involve line outage may be carried out by NTPC and activities which involve line outage may be planned along with line outage in coordination with PGCIL.

NTPC representative requested PGCIL to provide the line outage schedule for the year so that bay maintenance will be planned accordingly.

*OCC Subcommittee agreed that PGCIL shall furnish the schedule of line outage of entire year to NTPC so that NTPC can plan bay maintenance accordingly.*

**B. AMP Outage Duration for bay maintenance-(Continuous & more than 1 days)**

As per standard maintenance procedure of NTPC for preventive maintenance of Bay, NTPC carries out maintenance of CT, CVT, LA, CB, Isolator, Numerical relay testing and checking. For this continuous outage is required for minimum of 2 days. But PGCIL insists to complete all the maintenance activities in one day which is not possible in view of the exhaustive nature of maintenance work.

PGCIL is requested to give consent for above works for at least 2 days.

**Discussion:**

NTPC representative informed that bay maintenance activities consists of CT, CVT, LA, CB, Isolator, hot spot, Numerical relay testing and checking

and to carry out these activities, 2 days are necessary and requested forum to approve 2 days for bays maintenance of bays owned by PGCIL.

After detailed discussion, OCC forum suggested that NTPC and PGCIL shall henceforth mutually agree on time required for bay maintenance (preferably in between 1 and 2 days) on case to case basis

*OCC subcommittee noted the same.*

**C. WEB Based Outage system software of WRLDC for monthly outage planning**

The new WEB Based Outage system software of WRLDC for carrying out monthly outage planning is being used along with google sheet on trial basis. Issue is being faced by NTPC when planned outage is desired for bays whose owner is PGCIL, as in the software only the owner can apply for the necessary outage, hence it is suggested that in such cases a separate menu be provided where NTPC may apply on behalf of PGCIL and the outage may be cleared once the consent is approved by PGCIL in the software. Further it is requested that this software be implemented on trial basis along with google sheets for at least 2 to 3 months more till all such issues are resolved.

*OCC subcommittee may like to discuss and make consensus to address the issue causing lots of inconveniences among the utilities.*

**Discussion:**

NTPC and state utilities informed that transmission elements owned by other agencies are not visible for requesting outage.

WRLDC representative informed that entities may apply for outages to WRPC and the elements owned by other agencies will be discussed in OCC meeting and the same will be uploaded to software. Provision will be given for readiness on D-3 basis.

PGCIL representative informed that outage availed by other agencies should be clearly mentioned as it is becoming difficult to find out whether outage availed by PGCIL or other agencies.

*OCC subcommittee noted as above.*

## ■ WRLDC Agenda Items

### 9.1 Outage of transmission elements beyond approved period

The planned outages on transmission elements are being approved for a stipulated time looking into grid conditions. However it is observed that on many occasions the elements taken under planned/emergency outages are not being restored within the approved time and being extended for a prolonged duration without prior intimation. Few such cases of the recent past are mentioned below:

- a) An emergency outage was sought on 22-04-2019 on main bay (bay 423) of Itarsi-Khandwa-2 at Itarsi end from 17:00 hrs to 23:00hrs to attend TC-1 & fail alarm. Looking into the emergency and after confirmation of all other dia in service the emergency outage was permitted and availed at 16:53 hrs of 22-04-2019. But the same was not restored till 29-04-2019 and no intimation of any problem or reasons of extension was received at WRLDC. The element was revived after follow up for facilitating the outage on 400kV Itarsi-Satpura which is in the same dia of Itarsi-Khandwa-2 at Itarsi.
- b) A planned outage was availed on L/R of 400 kV CGPL-Jetpur-2 at Jetpur end on 06-04-2019 at 10:17hrs for installation of NIFPS System at Jetpur end which was approved till 14-04-2019 in the OCC. The outage on the same was extended till 20-04-2019 (orally) and the line was restored at 20:33hrs on 07-05-2019. This resulted in deferring the approved planned outage of L/R on 400 kV CGPL-Jetpur-2 at CGPL end and also opening of 400kV lines emanating from Amreli on few occasions on account of high voltage.

It is essential that the elements under the outage are restored within the approved time. Extension of the outage beyond the approved duration results in deferment of other scheduled/approved outages, generation reduction in some cases and reduced system reliability.

**POWERGRID may explain the reasons for extension of above outages beyond approved period. All utilities are requested to assess the duration of the outage considering all the aspects to avoid extension of outages.**

#### **Discussion:**

POWERGRID informed that emergency outage was availed on main bay (bay 423) of Itarsi-Khandwa-2 at Itarsi end at 16:53 hrs of 22-04-2019. The work could not be completed due to breaker control system problem. WRLDC

stated that the issue was not informed. POWERGRID informed the site personnel inadvertently missed the communication regarding breaker problem. Upon WRLDC instruction the main bay was restored.

POWERGRID informed that in future information will be passed on regarding delay in restoration and shall adhere to outage schedules strictly.

*OCC subcommittee noted the same.*

## **9.2 Commissioning status of PMU at Satna for monitoring STATCOM**

In 518 OCC meeting, POWERGRID informed that PMU dispatched by WRLDC has been received at Satna. OEM support is required for making PMU connections to STATCOM. Thereafter POWERGRID informed that OEM would do site survey by 10 May 19 for completion of work.

In 515 OCCM WRLDC intimated that as per proposed scheme STATCOM considers IVT measurement for switching on/off of B/Rs. There is difference of measurement of IVT and Bus CVT. POWERGRID agreed for providing telemetry voltage output of IVT at WRLDC. So far IVT voltage telemetry is not provided at WRLDC.

POWERGRID may apprise OCC regarding completion of site survey and installation of PMU for STATCOM. POWERGRID may also apprise the OCC regarding progress in providing voltage telemetry of IVTs to WRLDC.

### **Discussion:**

POWERGRID informed that price quote from OEM M/s Kalkitech for installation of PMU at STATCOM was asked. After receiving price quote the work shall be started. WRTS-2, POWERGRID informed that IVT voltages of Gwalior and Satna STATCOMs shall be integrated to WRLDC SCADA by July'19.

*OCC subcommittee noted the same.*

## **9.3 Furnishing data regarding Low Voltage Ride Through (LVRT) compliance of Wind Turbine Generators under SLDC jurisdiction**

As per Clause 4 of Recording of Proceeding (ROP) issued by CERC in petition no 237/MP/2017 along with I.A. No.11/2018 as under-

### **Quote-**

*“The Commission further directed the POSOCO to submit the States WTG-wise data containing (i) population of wind turbines as per models, make and voltage levels, and (ii) details of LVRT enabled, LVRT design supported and fitted to be enabled, LVRT design supported but to be fitted and LVRT to be retrofitted.”*

**Unquote,**

In this regard, a request for submission of the required data in prescribed format was made vide e-mail dated 04.03.19. The Status of the LVRT Compliance data received from SLDCs is as under-

<b>SLDC</b>	<b>Wind Generation Installed Capacity(MW)</b>	<b>LVRT Compliance Details received for Capacity(MW)</b>	<b>% of Data Not received from SLDC</b>
Gujarat	5784	4841	16%
Madhya Pradesh	2436	1494	39%
Maharashtra	4769	0	100%

Data pertaining to WTGs connected below 33kV is not required. Information of Wind generation capacity connected below 33 kV to be provided.

Also vide clause 8 of ROP, Hon'ble CERC have directed all the parties to submit the information within one month from the issue of ROP that is till 08.03.19.

Copy of the ROP issued by Hon'ble CERC along with the format for information to be provided is attached herewith as **Annexure 9.3**.

**Discussion:**

Maharashtra and Gujarat SLDC informed that data shall be provided in specified format by end of this month.

*OCC subcommittee noted the same.*

## 9.4 Status of Wind/Solar data for Renewable Energy Management Centres (REMC)

In 518 OCC meeting, WRLDC informed that M/S. RE Connect is one of the forecasting agencies in REMC. RE connect require static data like lat, long, turbine model and make etc. for forecasting.

The status of submission of downstream and upstream data by states are as follows

**Downstream (DS) data:** Gujarat submitted desired information for 123 stations out of 162 stations, Maharashtra submitted data for 62 stations out of 92 stations and MP submitted information for only 84 stations out of 129 stations.

**Upstream (US) data:** Gujarat submitted desired information for 67 stations out of 93 stations, Maharashtra submitted data for 39 stations out of 92 stations and MP submitted information for 39 stations out of 56 stations.

As discussed in 518 OCC meeting, WRLDC has forwarded stations list for which data is yet to be submitted by SLDCs. SLDCs are requested to take up RE pooling stations connected to STU pooling stations and provide accurate and complete data to forecasting agency.

### **Discussion:**

Data from Gujarat SLDC was received and Maharashtra SLDC informed that they were coordinating RE connect and shall provide complete data by end of this Month.

*OCC Subcommittee noted the same.*

## 9.5 Repeated A/R and tripping of 400 kV Pune-Khargar and 400 kV Pune-Kalwa lines:

- 23 No. of tripping and A/R successful case was observed in 400 kV Pune(PG)-Khargar and 400 kV Pune(PG)-Kalwa from 06-05-2019.
- In 400 kV Pune(PG)-Khargar, the fault distance is between 25 km and 30 km from Pune end. In most of the cases fault was located between 28 km and 30 km from Pune end.
- In 400 kV Pune(PG)-Kalwa, the fault distance is between 22 km and 29 km from Pune end

- Insulator cleaning/ replacement may be required in the above mentioned location.
- As reported by MSETCL, R phase insulator de-capping was found in 400 kV Pune-Khargar at location 28 and B phase insulator de-capping was found in 400 kV Pune-Kalwa at location 30

**Table1: 400 kV Pune(PG)-Khargar A/R and tripping**

Sl.No	Element name	Out date	Out time	Restoration date	Restoration time	Remarks
1	400kV Pune (Talegaon) - Khargar line	6-May-19	04:50	6-May-19	04:50	Line A/R successful at both ends on R phase to E fault,FD=28.103Km,FC=8.625KA from Pune (T) and FD=49.8Km,FC=4.87KA from Khargar end.
2	400kV Pune (Talegaon) - Khargar line	6-May-19	05:45	6-May-19	05:45	Line A/R successful at both ends on R phase to E fault,FD=28.033Km,FC=8.741KA from Pune (T) and FD=49.9Km,FC=4.65KA from Khargar end.
3	400kV Pune (Talegaon) - Khargar line	6-May-19	06:49	6-May-19	06:49	Line A/R successful at both ends on R phase to E fault,FD=28.479Km,FC=8.697KA from Pune (T) end. and FD=49.9Km,FC=4.70KA from Khargar end.
4	400kV Pune (Talegaon) - Khargar line	7-May-19	04:34	7-May-19	05:31	Line tripped on R phase to E fault,FD=25.1Km,FC=8.2KA from Pune (T) end and FD=52.9Km,FC=5.12KA from Khargar end.
5	400kV Pune (Talegaon) - Khargar line	7-May-19	05:59	7-May-19	18:44	Line tripped on Y phase to E fault,FD=29.5Km,FC=7.99KA from Pune (T) end and FD=53.5Km,FC=3.15KA from Khargar end.
6	400kV Pune (Talegaon) - Khargar	8-May-19	03:21	8-May-19	11:27	Line tripped on R phase to E fault,FD=29.1Km,FC=8.4KA from Pune (T) end and FD=53.5Km,FC=3.15KA from Khargar end. Dia closed at 07:29hrs at Pune(T) end.

	line					
7	400kV Pune (Talegaon) - Kharghar line	9-May- 19	05:15	9-May- 19	08:24	Line A/R tripped on R-G fault. FD=29.32 km, FC=8.56 kA from Pune (T) end and FD=46.7 km, FC=5.64 kA from Kharghar end.
8	400kV Pune (Talegaon) - Kharghar line	11- May-19	03:38	11-May- 19	04:49	Line tripped at Pune end only due to R-E fault, FC=8.8kA, FD= 29.4km from Pune end.
9	400kV Pune (Talegaon) - Kharghar line	11- May-19	05:27	11-May- 19	05:27	Line A/R successful due to R-E fault, FC=8.9kA, FD= 29.047km from Pune end.
10	400kV Pune (Talegaon) - Kharghar line	12- May-19	03:41	12-May- 19	20:01	Line Tripped R-E,28.48KM,10.13 from Pune end
11	400kV Pune (Talegaon) - Kharghar line	13- May-19	04:55	---	---	Y-E fault tripped from kharghar end only

**Table 2: 400 kV Pune(PG)-Kalwa A/R and tripping**

Sl. No	Element name	Out date	Out time	Restorati on date	Resto ration time	Remarks
1	400kV Pune (Talegaon) - Kalwa line	6-May-19	05:07	6-May-19	05:07	Line A/R successful at both ends on Y phase to E fault,FD=24.403Km,FC=9.458KA from Pune (T) and FD=55.Km,FC=5.32KA from Kalwa end.
2	400kV Pune (Talegaon) - Kalwa	6-May-19	05:44	6-May-19	05:44	Line A/R successful at both ends on B phase to E fault,FD=22.182Km,FC=9.657KA from Pune (T) and FD=60Km,FC=5.51KA from

	line					Kalwa end.
3	400kV Pune (Talegaon) - Kalwa line	6-May-19	06:09	6-May-19	06:09	Line A/R successful at both ends on Y phase to E fault,FD=24.062Km,FC=8.958KA from Pune (T) and FD=58.6Km,FC=537KA from Kalwa end.
4	400kV Pune (Talegaon) - Kalwa line	7-May-19	03:31	7-May-19	09:14	Line tripped on Y - B phase fault,FD=25.1Km,FC=Y-9.1KA & B-9.4KA from Pune (T) and FD=58.8Km,FC=5.54KA from Kalwa end.
5	400kV Pune (Talegaon) - Kalwa line	9-May-19	07:06	9-May-19	07:06	Line A/R on B phase to E fault, FD=27.2km,FC=8.5kA from Pune(T) end, FD: 54.2km, FC: 5.72kA from Kalwa end.
6	400kV Pune (Talegaon) - Kalwa line	10-May-19	05:45	10-May-19	05:45	Line A/R successful at both ends on B phase to E fault, FD=22.24km, FC=10.126kA from Pune(T) end. FD=59.3km, FC=? From Kalwa end.
7	400kV Pune (Talegaon) - Kalwa line	11-May-19	04:36	11-May-19	04:36	Line A/R successful on Y-E, 23.65km, 9.321kA from Pune end.
8	400kV Pune (Talegaon) - Kalwa line	12-May-19	03:36	12-May-19	03:36	Line AR successful B-E, 27.4KM from Pune, FC-9.11KA from Pune end
9	400kV Pune (Talegaon) - Kalwa line	12-May-19	03:59	12-May-19	03:59	Line AR successful B-E, 27.85KM from Pune, FC-8.56KA
10	400kV Pune (Talegaon) - Kalwa line	12-May-19	04:02	12-May-19	04:02	Line AR successful Y-E, 24.685KM from Pune, FC-9.81KA
11	400kV Pune (Talegaon) - Kalwa line	12-May-19	04:04	12-May-19	04:04	Line AR successful B-E, 28.5KM from Pune, FC-9.74KA
12	400kV Pune (Talegaon)	12-May-19	04:13	12-May-19	1257	Line Tripped B-E,28.26KM,FC 8.41KA from Pune

- Kalwa line						
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**Discussion:**

Maharashtra SLDC informed that fault is reoccurring in between 22 to 34 tower locations. These towers are located in hilly terrain and prone to fog. MSETCL has carried insulator cleaning at these locations. MSETCL is also planning to replace the existing insulator with long rod insulators at these locations. WRLDC suggested to carry insulator cleaning and replacements in fog prone areas.

*OCC subcommittee noted the same.*

**Date and venue of next OCC meeting**







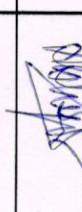


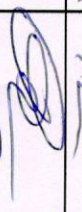


Date and venue for 520<sup>th</sup> OCC meeting will be conducted on 13<sup>th</sup> June 2019 at WRPC, Mumbai.

*The sub-committee noted the same.*

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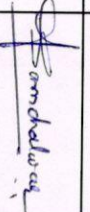
### ATTENDANCE SHEET

519<sup>th</sup> OCC Meeting on 15<sup>th</sup> May 2019 AT WRPC MUMBAI

Sl.No	Name	Design/ Organization	MOBILE Number	Email address	Signature
1.	T. Rajesh Kumar	Manager / Rmpra	9435000779	t.rajeshkumar@ rmpraregion.in	
2.	Rajesh Shasra	AEE (GRD)	8818885970	rajesh5644500.co.in emcra@gmail.com	
3.	P. Reddi Raddy.	AD-ILCRP	7840894709	opc-wprc@nic.in	
4.	Srinivas Chittani	By. Manager	9869416078	Srinivas.ch@posoco.in	
5.	M. VENKATESWARA RAO	By. Manager / POSO CO	8452928806	venkyminnakuni @posoco.in	
6.	A. SARMA SARKAR	SE(O), NPCIL, TAPS 182	8007982702	asarmasarkar@ npcil.co.in	
7.	S. K. Ponnala	ASOE / NPCIL, TAPS - 384.	7066046195	somajogayamda@ npcil.co.in	
8.	A. K. Singh	NTPC - Vinodgadh	9415110864	amilk Singh@ ntpc.co.in	
9.	BN Yadav	NTPC. Vinodgadh	9415245852	bnyadav OI@ntpc co.in	
10.	N. P. SHANNAK	NTPC Mumbai	9428511769	npshanna@ntpc.co.in	
11.	Abhay G. Sahu	NTPC Mumbai	9423137982.	agsahu@ntpc.co.in	
12.	S. K. AGRAWAL	NTPC KORBA	9424142916	suagrawal@ntpc. co.in	

Sl.No	Name	Design/ Organization	MOBILE Number	Email address	Signature
13.	M.K. Tripathi	Sr. DGM / POWERGRID	82950255586	TRIPATI.M@POWERGRIDINDIA.COM	
14.	SANJOY DAS	DGM / POWERGRID	99489976244	sanjoysdas@powergridindia.com	
15.	P.K. CHAURASIA	SR.MANAGER / WPPC	9525881537.	pkchauriasia@tpc.co.in	
16.	Chitankesli	Ch. Manager WORLD	9869004892	chitankesli@posoco.in	
17.	K M U R A L I K R I S H N A	Sr. AM / Sr. AM Genl WRLDC, POSOCO	9869450219	kmururalikrishna@posocoin	
18.	A. Balan	MS/WPPC	9483540528	ms-wppc@nt.in	
19.	J. K. RATHOD	SE, WPPC	9987910799	jk-rathod@nt.in	
20.	D.N. GAWALI	EE, WPPC	9930666965	dn-gawali@nt.in	
21.	Madhavi Mahajanvi	EE, MSPGCL	9833015319	ceguw@mahajenvi.in	
22.	Peyush S Sharma	SE(DP) MS LDC	9769213865	seoperationsldc@gmail.in seopr8080@mahajenvi.in	
23.	Madhav B. Parale	AE (TOP) MS LDC	9833608212	msldcavtge@gmail.in	
24.	A.K. Shivastava	C.E. SLD C Rajpura	9827177466	akshivastava712@gmail.in	
25.	B B MATHA	CE Guy SOC	9879200736	cbm@gebnl.com	
26.	Dr. J. MISTRY	DE, SLD C, GENTO Gujarat.	9425213180	emistry@getco@gmail.in emistry@nt.in	

Sl.No	Name	Design/ Organization	MOBILE Number	Email address	Signature
27.	Shankar Chakraborty	EE SLED MP	914255205246	S.Chakraborty .76p@gmail.com	
28.	Amit Kumar	Sr Manager NSPCL	9425293525	amtkumar@nspcl. co.in	
29.	Rajesh Kamani	GM-SPN	9227891549	rajesh.kamani@ tatapower.com	
30.	Nilesh Waghphade	AM/APML	8229199849	nilesh.waghphade @adani.power	
31.	Akshay Mathur	VP/APML	9870663062	Akshay.Mathur@ adani.com	
32.	Megraj Tumbk	GM/ATIL	9099005517	Megraj.tumbk@ adani.com	
33.	KIRAN DESAI	DCM/Tata Power	9228553342	desai.kv@ tatapower.com	
34.	Ramod Khandewar	GM-Technical Services	8390903524	Ramod.Khandewar @mgcorp.in	
35.	Bhaskar Kauslik	Manager	9009907899	Bhaskar.Kauslik @AvanthaPower.com	
36.	Hans Pratap Singh	Manager	9424176552	hanspratap.singh @awonpower.com	
37.	Nidya Bhushan	Sr. Manager   NTPC GROUP	9403964653	nidyabhushan@nlhc. co.in	
38.	Bhaskar Madeshwar	NTPC Mumbai	8275045062	madeshwar@npsc. co.in	
39.	Santula Nishma	GM (HR), WKDC Poojee, Mumbai	9869450223	santulanishma @poojee.in	
40.	Pushpa.S	GM (SO) WKDC, Poojco	9869404482	pushpa@ poojco.in	

Sl.No	Name	Design/ Organization	MOBILE Number	Email address	Signature
41.	S. M. Vhakkar	Mahagen co, Mumbai	9022273307	cegw@mahagen.co.in	
42.	Devaishik Saran	Sr. Mgr. Saran Powel Ltd.	7496267997	devaishik.Saran @relianceada.com	
43.	Avinish A. Kulkarni	MSEDCL	9967805298	SETHKulkarni@ gmail.com	
44.	Ronak Shah	ESSAR STEEL INDIA LTD	9909901915	ronak-shah1@ essteel.com	
45.	Arunsn Kulkoo	GSAR PowGR	9687668725	ARUNSN, Kulkoo @GSAR PowGR.coa	
46.	Armit Panchalwar	DeM, RattanIndia Powel Ltd, Amarnath	9503229333	armit.panchalwar@ rattanindia.com	
47.					
48.					
49.					
50.					
51.					
52.					
53.					
54.					

अप्रैल 2019 में आवृत्ति के आंकड़ों का विवरण  
(पश्चिम क्षेत्र भार प्रेषण केन्द्र की आवृत्ति रिपोर्ट के आधार पर)

FREQUENCY PARTICULARS DURING April 2019

(AS PER FREQUENCY REPORT OF WRLDC)

1. INTEGRATED OVER AN-HOUR

एक घंटे में समाकलित

1.1 MAXIMUM FREQUENCY 50.21 Hz. BETWEEN 0100 Hrs & 0200 Hrs on 07.04.2019  
अधिकतम आवृत्ति

1.2 MINIMUM FREQUENCY 49.81 Hz. BETWEEN 1400 Hrs & 1500 Hrs Hrs. ON 03.04.2019  
न्यूनतम आवृत्ति

1.3 AVERAGE FREQUENCY 50.00 Hz.  
औसत आवृत्ति

2. INSTANTANEOUS तात्कालिक

2.1 MAXIMUM FREQUENCY 50.29 on 07th Apr. at 01:12:30 hrs  
अधिकतम आवृत्ति

2.2 MINIMUM FREQUENCY 49.65 on 01st Apr. at 23:05:30 hrs  
न्यूनतम आवृत्ति

3. %AGE OF TIME WHEN FREQUENCY WAS आवृत्ति का समय प्रतिशत में	अप्रैल 2019	मार्च 2019	फरवरी 2019
3.1 Below 49.9 Hz. 49.9 हर्ट्ज से कम	7.09	9.47	7.01
3.2 BETWEEN 49.9 Hz. AND 50.05 Hz. 49.9 हर्ट्ज और 50.05 हर्ट्ज के बीच में	72.76	71.74	70.73
3.3 ABOVE 50.05 Hz. 50.05 हर्ट्ज के ऊपर	20.14	19.39	22.26
4.1 NO. OF TIMES FREQUENCY TOUCHED 49.20 Hz.	0	0	0
4.2 NO. OF TIMES FREQUENCY TOUCHED 49.00 Hz.	0	0	0
4.3 NO. OF TIMES FREQUENCY TOUCHED 48.8 Hz.	0	0	0

पश्चिम क्षेत्रीय विद्युत समिति  
एफ ३ एम आई डी सी क्षेत्र अंधेरी पूर्व मुंबई 400 093

FROM : SUPERINTENDING ENGINEER (OPERATION),WRPC,MUMBAI.

Date: 22.05.2019

TO : CHIEF ENGINEER (GRID MANAGEMENT),CEA,NEW DELHI.(FAX NO.011-26109750)

## HIGHLIGHTS OF THE POWER SUPPLY POSITION OF WESTERN REGION

REVISED

FOR THE MONTH OF April 2019

File no: WRPC/Opn./PSP/2018-19/

**(A) GENERATION DETAILS OF WESTERN REGION**

CONSTITUENT	GUVNL	MPPGCL	CSEB	MSPGCL	GOA	DAMAN & DIU	DNH	ESIL&BARC	HVDC DRAWAL	WESTERN REGION
<b>(1) GENERATION GROSS (MUs)</b>										
Thermal Coal+Gas Based	6378.75	2654.06	1628.74	8980.02	14.12	0.00	0.00	0.00	0.00	19655.69
Hydro	26.22	242.07	21.88	730.18	0.00	0.00	0.00	0.00	0.00	1020.35
Wind Injection	971.38	435.94	0.00	536.04	0.00	0.00	0.00	0.00	0.00	1943.36
Solar Injection	316.78	345.23	31.42	213.60	0.00	1.64	0.00	0.00	0.00	908.67
Bio Mass Injection	10.61	2.80	21.19	0.00	0.00	0.00	0.00	0.00	0.00	34.60
TOTAL	7703.73	3680.10	1703.24	10459.84	14.12	1.64	0.00	0.00	0.00	23562.67
<b>(2) ACTUALDEMAND MET (GR. MW)</b>	17865	10018	4574	23150	594	340	818	898		56222

**(B) ENERGY AVAILABILITY/ REQUIREMENT ETC.(EX-BUS) IN (MUs)**

CONSTITUENT	GUVNL	MPPGCL	CSEB*	MSPGCL	GOA	DAMAN & DIU	DNH	ESIL&BARC	HVDC DRAWAL	WESTERN REGION
<b>1. OWN GEN</b>										
Thermal Coal+Gas Based	5874.04	2596.84	1573.25	8571.91	13.84	0.00	0.00	0.00	0.00	18629.88
Hydro	25.84	240.68	21.76	723.71	0.00	0.00	0.00	0.00	0.00	1011.99
Wind Injection	951.95	414.14	0.00	525.32	0.00	0.00	0.00	0.00	0.00	1891.41
Solar Injection	310.44	327.97	29.85	209.33	0.00	1.61	0.00	0.00	0.00	879.20
Bio Mass Injection	10.40	2.66	21.19	0.00	0.00	0.00	0.00	0.00	0.00	34.25
Total	7172.67	3582.29	1646.05	10030.27	13.84	1.61	0.00	0.00	0.00	22446.72
2 (I).Total drawl from ISTS Grid (at State Peripheri Excluding Tr. Losses)	3366.92	2653.03	1324.69	4288.48	329.05	219.13	554.01	205.04	1.56	12941.92
2 (II) B.Total drawl from ISTS Grid ( Including Tr. Losses)	3474.28	2737.62	1366.93	4425.22	339.54	226.12	571.67	211.58	1.61	13352.96
<b>3. NET IMPORT</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>53.66</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>53.66</b>
<b>4. NET EXPORT</b>	<b>0.00</b>	<b>2.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.06</b>
<b>5 TOTAL AVAILABILITY (EXC ISTS TRANS. LOSSES) / TOTAL AVAILABILITY / NET ACTUAL ENERGY SUPPLIED (INC. ISTS TRAN.LOSSES)</b>										
<b>5 (I) . TOTAL AVAILABILITY (EXCL. ISTS TRANS. LOSSES)</b>	<b>10539.59</b>	<b>6233.25</b>	<b>2970.74</b>	<b>14318.75</b>	<b>396.55</b>	<b>220.74</b>	<b>554.01</b>	<b>205.04</b>	<b>1.56</b>	<b>35440.25</b>
5 (II). TOTAL AVAILABILITY / NET ACTUAL ENERGY SUPPLIED (INCL ISTS TRANS. LOSSES)	10646.95	6317.84	3012.98	14455.49	407.04	227.73	571.67	211.58	1.61	35851.29
<b>6. SHORTFALL</b>										
<b>6 (I). SHORTFALL (MU)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.92</b>	<b>0.16</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.07</b>
<b>6 (II). SHORTFALL (%)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Freq. correction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Un Sch.Load Shedding	0.00	0.00	0.92	0.16	0.00	0.00	0.00	0.00	0.00	1.07
Sch.Load Shedding	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>7. Unrestricted Requirement</b>	<b>10540</b>	<b>6233</b>	<b>2972</b>	<b>14319</b>	<b>397</b>	<b>221</b>	<b>554</b>	<b>205</b>	<b>1.56</b>	<b>35441.32</b>
<b>AVERAGE WR GRID POOL LOSS</b>										<b>3.09</b>

**(C) DEMAND AVAILABILITY/UNRESTRICTED REQUIREMENT IN (MW)**

1. REQUIREMENT	17871	10018	4596	23158	594	341	818	898	2	56242
2. AVAILABILITY	17865	10018	4574	23150	594	340	818	898	2	56222
3. SHORTFALL	6.25	0.00	22.41	8.10	0.00	0.71	0.00	0.00	0.00	19.68
4. % SHORTFALL	0.03	0.00	0.49	0.03	0.00	0.21	0.00	0.00	0.00	0.03
The details of calculations for Unrestricted Requirement										
Demand met at Unrestricted max	17865	10018	4574	23150	594	340	818	898	2	56222
Freq. correction	6	0	22	8	0	1	0	0	0	20
Un Sch.Load Shedding	0	0	0	0	0	0	0	0	0	0
Sch.Load Shedding	0	0	0	0	0	0	0	0	0	0
Unrestricted Demand	17871	10018	4596	23158	594	341	818	898	2	56242
Min. Registered Demand	12769	5333	3246	17737						42715

**(D) Details of Gross generation, Declared Capacity, Scheduled generation & Injection from CS and dedicated Stations**

C.S. Station & Dedicated Stations				Gross Generation (MUs)	Injection (MUs)
Korba				1400.65	1330.62
Korba-III				308.03	292.63
Vindhyachal-I				759.03	721.08
Vindhyachal-II				653.13	620.47
Vindhyachal-III				659.33	626.37
Vindhyachal-IV				668.43	635.01
Vindhyachal-V				320.24	304.23
Kawas				290.20	284.40
Gandhar				23.13	22.66
Sipat I				1383.25	1327.92
Sipat II				672.52	645.62
MAUDA-I				471.38	452.52
MAUDA-II				656.68	630.41
SOLAPUR				-8.29	-7.87
NSPCL				222.92	214.00
RGPPL				353.73	346.66
Kakrapar				154.53	144.79
Tarapur II (3&4)				767.06	705.70
Tarapur I (1&2)				201.20	183.09
SSP				26.56	26.29
OTHER IPPS				12509.63	11759.05
Pench				7.29	7.18
Total				22500.64	21272.84

**(F) Total Drawal by the Constituents**

Constituents			Actual total drawal from grid excluding grid loss (MUs)
GUJARAT			3366.92
MADHYA PRADESH			2653.03
CHHATISHGARH			1324.69
MAHARASHTRA			4288.48
GOA(WR)			329.05
DD			219.13
DNH			554.01
ESIL			201.80
BARC			3.25
HVDC DRAWAL			1.56
TOTAL			12941.92

**(G) FREQUENCY REGIME OF WESTERN REGION GRID**

	1. Instantaneous (Hz)	2. Integrated (Hz)	3. Average (Hz)
Maximum Freq.	50.29	50.21	
Minimum Freq.	49.65	49.81	50.00

**3. Percentage Time when the Frequency was**

		4. No of Occasions when Frequency was	
3.1 Below 49.9 Hz.	7.09	FREQUENCY TOUCHED 49.20 Hz.	0.00
3.2 BETWEEN 49.9 Hz. AND 50.05 Hz.	72.76	FREQUENCY TOUCHED 49.00 Hz.	0.00
3.3 ABOVE 50.05 Hz.	20.14	FREQUENCY TOUCHED 48.8 Hz.	0.00
Net Import / export of Energy in the Regi			
Actual Energy import (MU)		-7652	
Sch Energy import (MU)		-7484	

विद्युतदाब रूपरेखा अप्रैल 2019  
Voltage Profile during the month of April'2019

Annexure 2.3

दिनांक	भोपाल		खडवा		इटारसी		दमोह		नागदा		इंदौर		ग्वालियर		रायपुर		रायगढ़	
Date	Bhopal		Khandwa		Itarsi		Damoh		Nagda		Indore		Gwalior		Raipur		Raigarh	
	400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	414	405	421	410	412	403	420	410	415	404	414	404	409	395	419	412	421	412
2	415	403	420	408	412	401	421	410	414	402	414	402	410	397	418	412	418	413
3	415	405	421	409	413	403	421	411	415	405	415	404	409	396	419	413	419	413
4	415	403	421	410	412	401	420	409	415	403	415	402	408	394	419	410	420	409
5	415	407	421	412	413	405	421	413	416	406	415	406	409	400	418	413	417	411
6	416	407	422	412	413	404	422	412	417	406	416	405	410	399	419	413	417	413
7	416	407	422	412	413	404	422	412	417	406	416	405	410	399	419	413	417	413
8	415	407	420	413	412	405	421	412	415	406	414	406	408	394	418	413	418	414
9	415	405	422	414	413	404	421	410	418	407	416	407	410	397	419	413	419	414
10	414	406	422	413	413	404	420	410	416	406	415	405	411	397	422	414	418	412
11	413	404	421	410	411	402	419	412	415	402	414	401	411	398	421	413	418	413
12	415	406	423	411	413	404	422	412	417	406	416	404	411	396	419	413	418	412
13	414	406	422	413	412	404	421	412	416	407	415	405	412	396	419	414	418	414
14	416	406	423	414	414	405	422	411	417	408	417	407	412	395	420	415	419	414
15	419	408	425	416	416	406	424	413	419	409	418	408	414	400	421	416	419	414
16	419	408	426	415	417	406	425	415	420	409	419	408	416	405	420	416	419	415
17	416	407	423	414	414	405	426	415	414	405	414	405	410	399	421	415	420	415
18	414	406	423	416	412	404	421	413	414	406	413	405	410	394	420	415	420	415
19	414	405	424	415	412	403	420	413	416	404	414	403	411	398	421	415	422	415
20	413	405	423	414	411	403	420	412	415	404	414	403	412	397	419	415	420	414
21	414	401	423	412	412	402	421	409	415	407	414	406	414	398	420	415	420	415
22	413	406	421	413	411	404	420	412	415	406	414	405	412	398	420	415	420	416
23	414	404	422	413	412	403	420	410	416	407	415	407	413	396	420	415	421	415
24	413	403	421	410	411	402	419	409	416	405	415	404	410	395	419	413	420	414
25	412	403	419	410	412	402	421	409	416	404	414	403	410	394	418	413	419	415
26	414	405	420	410	411	403	420	409	417	406	415	404	412	396	418	411	420	413
27	413	403	420	410	411	402	420	408	416	405	415	405	411	393	419	412	420	415
28	415	403	421	411	412	402	422	409	415	406	415	405	412	396	419	414	420	413
29	413	404	420	411	411	403	421	409	416	406	415	406	412	391	419	413	420	415
30	413	404	421	411	412	403	420	411	416	406	415	405	409	392	419	414	420	415
	<b>419</b>	<b>401</b>	<b>426</b>	<b>408</b>	<b>417</b>	<b>401</b>	<b>426</b>	<b>408</b>	<b>420</b>	<b>402</b>	<b>419</b>	<b>401</b>	<b>416</b>	<b>391</b>	<b>422</b>	<b>410</b>	<b>422</b>	<b>409</b>

दिनाक	भिलाई		वधो		धुले		परलो		बोईसर		कलवा		कराड		असोज		देहगाम	
Date	Bhilai		Wardha		Dhule		Parli*		Boisar		Kalwa		Karad		Asoj		Dehgam	
	400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV	
	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	414	406	423	413	433	412	423	401	419	402	430	401	428	408	415	400	427	412
2	413	407	421	412	432	412	421	401	419	400	428	398	427	410	414	400	426	412
3	414	408	424	412	435	413	422	403	418	398	427	396	424	409	414	400	425	412
4	413	405	422	410	432	409	427	402	419	397	427	396	425	409	413	396	425	409
5	413	407	421	416	433	415	426	405	418	405	427	403	424	409	414	399	426	411
6	414	407	417	417	436	416	422	406	418	404	426	406	425	409	414	400	425	413
7	414	407	417	417	436	416	422	406	418	404	426	406	425	409	414	400	425	413
8	413	408	420	412	433	415	420	399	416	399	423	395	423	407	413	401	426	413
9	414	408	420	414	434	415	421	402	417	402	424	400	422	412	414	404	428	416
10	412	408	423	414	435	414	423	404	417	401	426	399	415	415	414	400	428	414
11	416	407	423	415	433	410	419	400	417	397	425	398	419	409	414	397	426	412
12	414	408	423	417	435	415	423	405	417	404	425	404	422	407	413	400	426	415
13	414	409	424	416	435	416	426	404	417	403	425	401	425	408	414	401	426	415
14	415	409	425	417	438	417	423	406	415	405	422	403	427	412	415	404	426	417
15	416	410	425	417	436	417	425	404	416	400	424	397	424	409	414	401	426	412
16	415	410	426	416	437	418	424	402	416	398	424	397	422	407	415	402	427	415
17	416	410	424	417	437	418	423	400	416	401	422	399	421	408	417	405	428	418
18	414	409	425	420	434	419	424	411	417	403	425	404	421	412	414	402	428	416
19	416	409	424	420	436	418	422	402	419	407	427	407	423	407	416	400	429	414
20	414	409	424	418	435	417	423	402	419	402	426	402	425	408	415	398	422	422
21	414	409	422	417	434	419	421	405	419	406	427	407	426	409	415	404	422	422
22	414	410	424	417	434	419	424	403	416	400	423	396	422	413	413	401	422	421
23	415	409	423	417	432	419	422	406	416	406	423	402	424	410	415	405	422	422
24	413	408	423	415	432	414	421	402	418	399	422	397	422	403	413	400	422	422
25	413	408	421	416	432	413	422	405	416	399	424	397	422	403	413	398	422	422
26	413	406	422	415	436	416	422	402	414	403	421	400	422	405	413	398	422	422
27	413	407	424	417	433	416	421	402	415	400	422	397	421	403	413	398	422	422
28	414	408	424	415	432	415	420	404	414	401	420	401	422	407	414	402	422	422
29	414	408	423	417	432	416	422	402	414	403	420	404	422	408	413	395	422	422
30	414	409	426	418	433	413	424	404	416	399	423	397	420	407	413	395	422	422
	<b>416</b>	<b>405</b>	<b>426</b>	<b>410</b>	<b>438</b>	<b>409</b>	<b>427</b>	<b>399</b>	<b>419</b>	<b>397</b>	<b>430</b>	<b>395</b>	<b>428</b>	<b>403</b>	<b>417</b>	<b>395</b>	<b>429</b>	<b>409</b>

दिनांक	कासोर		जैतपुर		अमरेली		वापी		मापुसा		कला		मगरवाड़ा		हज़ौरा		बीना		इंदौर	
Date	Kasor		Jetpur		Amreli		Vapi		Mapusa		Kala		Magarwada		Hazira		Bina		Indore	
	400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV		765Kv		765Kv	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	418	412	416	403	419	407	417	399	426	404	419	400	422	404	416	394	789	770	781	760
2	419	410	416	402	419	406	416	397	424	403	416	397	419	404	417	394	790	773	779	757
3	419	408	418	403	422	407	416	397	424	403	418	398	420	400	415	391	793	776	782	760
4	418	404	415	401	416	403	416	395	426	400	418	396	421	398	414	388	791	770	782	757
5	418	407	412	402	416	404	414	399	428	401	416	400	419	406	413	389	794	779	783	764
6	418	408	414	403	417	407	414	397	426	405	415	401	417	407	412	391	792	780	783	764
7	418	408	414	403	417	407	414	397	426	405	415	401	417	407	412	391	792	780	783	764
8	418	409	418	405	420	408	413	394	421	403	414	392	418	400	418	401	790	775	781	764
9	420	411	417	404	420	407	414	399	421	403	415	399	417	405	418	403	790	771	784	764
10	419	410	417	406	420	411	420	399	422	403	421	401	421	404	419	403	790	774	781	763
11	419	407	416	405	418	408	417	393	419	400	419	392	419	396	417	397	788	772	780	755
12	418	409	416	406	420	409	413	400	423	399	416	401	418	404	418	402	791	773	783	762
13	419	410	419	404	422	407	415	399	423	400	416	401	418	404	419	402	789	773	781	761
14	419	411	417	405	422	409	414	402	426	408	416	404	417	406	420	403	792	771	784	765
15	418	410	417	403	420	407	414	397	423	402	415	399	416	400	420	401	795	778	787	768
16	419	411	418	402	419	407	413	396	421	399	415	397	418	400	419	399	795	776	789	766
17	419	411	421	409	423	412	413	398	421	397	415	399	418	403	419	403	792	775	779	762
18	418	408	419	406	420	409	414	400	420	400	415	402	418	405	419	399	790	769	778	761
19	420	407	418	405	420	408	416	399	422	401	417	397	420	407	421	400	790	773	779	759
20	419	406	418	403	421	407	416	396	424	398	417	395	420	404	418	396	789	772	779	758
21	420	412	418	402	421	404	416	402	427	405	418	403	420	407	419	399	795	772	780	759
22	412	410	416	403	418	406	414	396	421	399	416	395	419	403	416	394	792	775	778	764
23	418	408	416	406	420	409	414	405	426	410	415	407	418	410	418	405	795	772	782	758
24	418	408	418	405	421	408	415	392	423	402	416	390	420	401	419	397	791	769	781	761
25	418	407	416	404	420	405	412	395	423	398	414	397	415	400	415	392	791	770	779	757
26	419	409	413	402	418	406	413	398	421	398	417	399	415	405	417	397	792	773	781	760
27	409	409	413	404	418	407	412	396	421	397	414	397	416	401	418	392	791	770	781	760
28	409	409	418	405	421	408	412	398	425	406	413	400	415	404	417	395	794	771	781	761
29	417	407	415	404	417	407	413	397	419	401	414	399	414	404	416	392	790	768	780	763
30	418	410	416	404	417	406	413	395	421	402	414	396	417	399	415	393	789	770	780	761
	420	404	421	401	423	403	420	392	428	397	421	390	422	396	421	388	795	768	789	755

दिनांक	सासन		सतना		तमनार		कोटरा		वडोदरा		दुर्ग		ग्वालियर		सिपत		सियोनि		वर्धा	
Date	Sasan		Satna		Tamnar		Kotra		Vadodara		Durg		Gwalior		Sipat		Seoni		Wardha	
	765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	अधिकतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max	Min	Max	Min	Max	Max	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	777	766	784	768	792	783	791	781	791	762	792	776	795	768	778	768	787	769	792	768
2	777	768	785	772	793	782	793	781	788	761	792	776	796	772	779	767	786	767	789	768
3	777	768	785	771	799	786	799	785	790	764	798	779	796	771	781	770	791	769	799	769
4	777	766	784	769	798	779	798	778	788	757	797	770	793	766	780	765	788	763	792	761
5	778	770	785	772	798	782	798	780	791	763	798	774	795	768	780	768	788	772	790	773
6	779	772	788	778	797	785	797	784	790	765	794	779	797	778	779	771	787	773	781	781
7	779	772	788	778	797	785	797	784	790	765	794	779	797	778	779	771	787	773	781	781
8	778	765	785	770	798	789	799	789	787	765	794	784	792	768	779	772	785	772	787	771
9	776	766	783	768	795	788	795	788	791	770	790	782	793	769	778	770	784	772	787	771
10	774	766	785	769	796	788	797	788	792	765	797	782	795	768	779	771	787	771	796	771
11	774	765	782	767	796	789	797	788	790	757	796	785	795	770	778	771	786	773	794	776
12	776	765	783	769	798	790	799	790	790	764	799	788	796	768	780	773	789	774	795	776
13	775	766	784	769	798	790	799	791	790	765	798	788	797	768	780	773	789	774	796	777
14	776	766	783	769	800	791	800	790	792	771	800	789	797	766	781	773	791	776	797	780
15	777	767	789	768	801	792	802	793	794	770	802	790	800	754	782	775	793	779	801	781
16	781	769	789	778	802	793	802	792	794	767	802	789	800	782	782	773	793	776	798	777
17	779	766	788	771	801	795	802	795	794	772	801	790	796	773	782	775	789	775	795	777
18	777	765	787	767	802	793	803	793	788	767	802	791	796	765	782	774	790	778	798	782
19	774	767	783	770	801	794	802	794	792	764	801	790	795	770	781	774	790	777	796	781
20	775	766	786	769	801	791	802	791	790	765	800	786	796	767	782	772	790	777	795	779
21	783	767	791	769	798	791	798	791	791	771	795	786	801	769	779	772	789	774	790	774
22	779	769	788	771	800	792	800	792	789	768	797	787	796	771	782	775	792	778	795	778
23	778	765	789	769	802	791	803	790	791	773	800	786	801	767	784	773	793	776	794	777
24	775	764	782	767	798	790	798	790	789	764	795	784	794	765	780	771	790	774	793	774
25	775	766	782	767	801	791	801	791	788	759	796	787	796	765	780	773	788	775	789	774
26	778	767	785	769	800	793	800	792	789	763	799	788	799	766	780	773	791	777	795	778
27	776	763	785	766	804	794	804	794	788	763	805	791	798	763	784	775	799	780	804	783
28	780	765	790	768	804	791	803	790	788	768	803	788	799	766	784	773	794	775	797	776
29	777	764	784	763	803	792	803	792	788	760	799	789	797	758	783	775	793	779	797	778
30	774	764	782	766	799	792	799	792	788	756	801	789	793	762	781	775	792	780	801	781
	783	763	791	763	804	779	804	778	794	756	805	770	801	754	784	765	799	763	804	761

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई  
**WESTERN REGIONAL POWER COMMITTEE, MUMBAI**

सं. पक्षेविस / प्रचालन/ विद्युत कटौतियां /2018-19

दिनांक : 06.05.2019

From: अधीक्षण अभियंता (प्रचालन), पक्षेविस, मुंबई

Superintending Engineer (Operation), WRPC, Mumbai

To: 1. Director (GM), 6<sup>th</sup> Floor, Sewa Bhawan, CEA, New Delhi (fax no. 011- 26109750)

2. Chief Engineer, OPM Division, CEA, New Delhi (Fax no. 011-26732337, 26107416)

**विषय : -अप्रैल 2019 के दौरान पश्चिम क्षेत्र में विद्युत कटौतियां/ पाबंदियां**

**Subject: -Power Cut/Restrictions in Western Region for the month of April-2019**

**क : गुजरात Gujarat**

1 उद्योगों के लिये विद्युत कटौतियां / पाबंदियां , राज्य में भार नियमन आदि

**1 Power Cut/ Restriction on Industries, Load Shedding in the state etc**

विवरण Details	विद्युत कटौती की मात्रा Quantum of power cut (MW)	पाबन्दी का समय Restriction Timing		प्रति दिन कुल ऊर्जा कटौती Total Energy Cut (MUs /day)	Remark
		From	Total Energy Cut (MUs /day)		
(a) Power Restrictions(Evening peak Hour) on non continuous process HT/LT Industries	शून्य Nil	शून्य Nil	शून्य Nil	शून्य Nil	All industries are allowed to run their units on all days of week & if they want to avail staggered holiday, then they will have to stagger on notified day only & cannot avail as per their choice. All industries are required to keep their recess timings staggered.
(b) भार नियमन Load Shedding	शून्य Nil	शून्य Nil	शून्य Nil	शून्य Nil	
(c) अन्य जानकारी Other information 1. Weekly Off 2. Staggering of power supply	शून्य Nil शून्य Nil	शून्य Nil शून्य Nil	शून्य Nil शून्य Nil	शून्य Nil शून्य Nil	

2 कृषि क्षेत्र को विद्युत आपूर्ति

**2. Power supply to Agricultural Sector: -**

विवरण Details	से From दिनांक Date	तक To दिनांक Date	प्रति दिन आपूर्ति घंटे Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
2.1 Three phase supply	01.04.2019	30.04.2019	8:00	8:00	8:00
2.2 Single Phase supply	01.04.2019	30.04.2019	16:00	16:00	16:00

3 अन्य जानकारी

**3. Any other information**

1. Jayotigram Yojana-24 hours.
2. There is no load shedding in Urban areas

**ख : मध्य प्रदेश Madhya Pradesh**

1 उद्योगों के लिये विद्युत कटौतियां / पाबंदियां , राज्य में भार नियमन आदि

**1 Power Cut/ Restriction on Industries, Load Shedding in the state etc**

विवरण Details	विद्युत कटौती की मात्रा Quantum of power cut (MW)	पाबन्दी का समय Restriction Timing		प्रति दिन कुल ऊर्जा कटौती Total Energy Cut (MUs /day)
		से From	तक To	
(a) Power Restrictions(Evening peak Hour) on non continuous process HT/LT Industries	NIL	NIL	NIL	NIL
(b) भार नियमन Load Shedding				
(c) अन्य जानकारी Other information 1.Weekly Off 2.Staggering of power supply	NIL	NIL	NIL	NIL

2 कृषि क्षेत्र को विद्युत आपूर्ति

**2. Power supply to Agricultural Sector: -**

विवरण Details	से From दिनांक Date	तक To दिनांक Date	प्रति दिन आपूर्ति घंटे Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
2.1 Three-Phase Supply(Mixed)	01.04.2019	30.04.2019	23:55	22:43	23:34
2.2 Three-Phase Supply(DLF)	01.04.2019	30.04.2019	23:55	22:34	23:39
2.3 Three-Phase Supply(Irrigation)	01.04.2019	30.04.2019	09:58	09:35	09:53

3 अन्य जानकारी

**3. Any other information**

शहरी क्षेत्रों में नियमन विद्युत कटौतियां Scheduled Power cuts in Urban Areas

विवरण Details	से From दिनांक Date	तक To दिनांक Date	औसत प्रतिदिन आपूर्ति घंटे Average Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
3.1 Commissioner H. Qtrs.	01.04.2019	30.04.2019	23:58	23:26	23:51
3.2 District Head Qtrs.	01.04.2019	30.04.2019	23:58	23:24	23:54
3.3 Tehsil Head Qtrs.	01.04.2019	30.04.2019	23:58	23:03	23:50

**ग : महाराष्ट्र Maharashtra**

1 उद्योगों के लिये विद्युत कटौतियां / पाबंदियां , राज्य में भार नियमन आदि

**1 Power Cut/ Restriction on Industries, Load Shedding in the state etc**

Details	Quantum of power cut (MW)	Restriction Timing		Total Energy Cut (MUs /day)
		From	To	
(a) Power Restrictions(Evening peak Hour) on non-continuous process HT/LT Industries (b) Load Shedding	NIL	NIL	NIL	NIL
(c) Other information 1.Weekly Off	NIL	NIL	NIL	NIL
2.Staggering of power supply	Industrial Staggering LS Withdrawn from 03/02/2012			

**2. Power supply to Agricultural Sector: -**

Details	From Date	To Date	Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
2.1 Three-Phase Supply	01.04.2019	30.04.2019	10	8	9
2.1 Single-Phase Supply	01.04.2019	30.04.2019	18	18	18

**3. Scheduled Power cuts in Urban Areas**

Details	From Date	To Date	Average Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
3.1 Commissioner H. Qtrs.	01.04.2019	30.04.2019	NIL	NIL	NIL
3.2 District Head Qtrs.	01.04.2019	30.04.2019	NIL	NIL	NIL
3.3 Tehsil Head Qtrs.	01.04.2019	30.04.2019	NIL	NIL	NIL

**4. Any other information**

	Date	Quantum in MW	Avg Mus/Day
3. Load Shedding due to Transmission Constraint in real time.	12-Apr-2019	12.00	0.16
	13-Apr-2019	12.00	0.08
	NIL		

**घ : छत्तीसगढ़ Chhattisgarh:**

उद्योगों के लिये विद्युत कटौतियां / पाबंदियां , राज्य में भार नियमन आदि

**1 Power Cut/ Restriction on Industries, Load Shedding in the state etc**

विवरण Details	विद्युत कटौती की मात्रा Quantum of power cut (MW)	पाबन्दी का समय Restriction Timing		प्रति दिन कुल ऊर्जा कटौती Total Energy Cut (MUs /day)
		से From	तक To	
(a)Power Restrictions(Evening peak Hour) on continuous process HT/LT Industries M	25.2MW(max) on 22/04/2019	18:30	22:37	0.003
(b) भार नियमन Load Shedding	142.9 MW [Max] on 08-04-2019	10:43	11:11	0.014
(c) अन्य जानकारी Other information 1.Weekly Off 2.Staggering of power supply	शून्य Nil शून्य Nil	शून्य Nil शून्य Nil	शून्य Nil शून्य Nil	शून्य Nil शून्य Nil

**2 कृषि क्षेत्र को विद्युत आपूर्ति****2. Power supply to Agricultural Sector: -**

विवरण Details	से From दिनांक Date	तक To दिनांक Date	प्रति दिन आपूर्ति घंटे Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
2.1 Three-Phase Supply(Mixed)	01.04.2019	30.04.2019	NIL	NIL	NIL
2.2 Three-Phase Supply(DLF)	01.04.2019	30.04.2019	NIL	NIL	NIL
2.3 Three-Phase Supply(Irrigation)	01.04.2019	30.04.2019	18:00	18:00	18:00

**3 अन्य जानकारी****3. Any other information**

शहरी क्षेत्रों में नियमन विद्युत कटौतियां Scheduled Power cuts in Urban Areas

विवरण Details	से From दिनांक Date	तक To दिनांक Date	औसत प्रतिदिन आपूर्ति घंटे Average Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
3.1 Commissionerary H. Qtrs.	01.04.2019	30.04.2019	NIL	NIL	NIL
3.2 District Head Qtrs.	01.04.2019	30.04.2019	NIL	NIL	NIL
3.3 Tehsil Head Qtrs.	01.04.2019	30.04.2019	NIL	NIL	NIL

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## अनिवार्य युनिट आऊटेज का अप्रैल 2019 का विस्तारित ब्यौरा

Details of forced unit outages during the month of April'2019

अनु क्रमांक Sl.No	युनिट Unit	संघटक Constituent /IPP	क्षमता मेगावॉट Cap.MW	से		तक		कारण Reason
				समय Time	दिनांक Date	समय Time	दिनांक Date	
1.	जीआईपीसीएल स्टेज GIPCL STG 2	GSECL	165	00:00	01-03-2018	Still out	Still out	No schedule
2.	बीईसीएल BECL 2	GSECL	250	22:49	20-10-2018	Still out	Still out	Coal feeding system problem
3.	डीजीबीपी DGBP 3	GSECL	375	14:22	05-11-2018	06:36	08-04-2019	RSD
4.	वानकबोरी Wanakbori 1	GSECL	210	16:48	13-02-2019	02:52	24-04-2019	RSD
5.	ओपीजीएस OPGS 1	GSECL	150	23:59	24-02-2019	15:42	26-04-2019	Annual Maintenance
6.	बीईसीएल BECL 1	GSECL	250	19:52	29-03-2019	Still out	Still out	Coal feeding system problem
7.	एसटीपी UTRAN STG II 1	GSECL	375	17:57	05-04-2019	09:42	10-04-2019	RSD
8.	ओपीजीएस OPGS 2	GSECL	150	09:05	08-04-2019	Still out	Still out	Boiler Master Fuel Trip (MFT)
9.	डीजीबीपी DGBP 3	GSECL	375	07:32	09-04-2019	19:12	14-04-2019	RSD
10.	डीजीबीपी DGBP 3	GSECL	246	08:33	15-04-2019	Still out	Still out	RSD
11.	एसएलपीपी SLPP 1	GSECL	125	23:45	15-04-2019	01:41	19-04-2019	BTL
12.	उतरण UTRAN STG II 1	GSECL	228	15:57	16-04-2019	00:47	22-04-2019	RSD.
13.	गांधिनगर Gandhinagar 3	GSECL	210	19:17	16-04-2019	06:10	22-04-2019	RSD.
14.	एसटीपीएस STPS 3	GSECL	250	21:50	16-04-2019	00:23	20-04-2019	RSD
15.	गांधिनगर Gandhinagar 2	GSECL	210	10:42	17-04-2019	03:17	22-04-2019	RSD
16.	केएलटीपीएस KLTPS 3	GSECL	75	13:47	19-04-2019	Still out	Still out	BTL
17.	जीसेग स्टेज GSEG STAGE II 1	GSECL	222	23:15	20-04-2019	Still out	Still out	RSD
18.	उतरण स्टेज UTRAN STG II 1	GSECL	375	08:27	22-04-2019	22:42	27-04-2019	RSD
19.	ओपीजीएस OPGS 2	GSECL	150	05:00	25-04-2019	22:22	30-04-2019	Maintenance Varsana ICT-III
20.	Gandhinagar 3	GSECL	210	16:18	30-04-2019	Still out	Still out	RSD
21.	जीपीपीसी GPPC 2	GSPC	351	20:47	17-10-2018	Still out	Still out	RSD
22.	जीपीपीसी GPPC 1	GSPC	351	20:40	02-11-2018	02:47	05-04-2019	RSD
23.	जिसेग स्टेज GSEG Stage II 1	GSPC	351	17:01	06-02-2019	13:05	08-04-2019	RSD
24.	जीपीपीसी GPPC 1	GSPC	351	16:45	05-04-2019	19:16	14-04-2019	RSD
25.	जीपीपीसी GPPC 1	GSPC	351	08:51	15-04-2019	16:40	25-04-2019	RSD
26.	जीसेग स्टेज GSEG STAGE II 1	GSPC	222	23:15	20-04-2019	02:12	29-04-2019	RSD
27.	जीपीपीसी GPPC 1	GSPC	351	21:14	26-04-2019	14:21	02-05-2019	RSD
28.	जीसेग स्टेज GSEG STAGE II 1	GSPC	222	08:00	30-04-2019	16:13	06-05-2019	RSD
29.	एसएलपीपी SLPP 2	GIPCL	125	12:31	28-03-2019	04:46	04-04-2019	BTL
30.	एसएलपीपी SLPP 2	GIPCL	125	08:00	28-04-2019	08:10	03-05-2019	BTL

31.	जीपेक GPEC 4	CLPIPL	241	16:36	06-12-2018	Still out	Still out	PPA expired
32.	ईई कंपनी AECO E	Torrent Power	120	02:54	22-04-2019	06:17	25-04-2019	BTL
33.	ईई कंपनी AECO E	Torrent Power	120	02:17	29-04-2019	05:32	04-05-2019	MFT operated/BTL
34.	परली Parli 4	MAHAGENCO	210	19:47	05-07-2015	Still out	Still out	Economic shutdown
35.	परली Parli 5	MAHAGENCO	210	14:55	06-07-2015	Still out	Still out	Economic shutdown
36.	पायोनीर Pioneer(262+126) 1	MAHAGENCO	388	17:45	07-02-2017	Still out	Still out	RSD
37.	उरण Uran 7	MAHAGENCO	108	12:53	20-07-2018	Still out	Still out	Compressor & Turbine Blade Failure.
38.	उरण URAN B0 1	MAHAGENCO	120	12:19	08-09-2018	Still out	Still out	Transformer shifting work
39.	उरण Uran 8	MAHAGENCO	108	22:08	08-09-2018	Still out	Still out	Withdrawn due to unit B0 & U-7 heat rate high
40.	डबल्यूपीसीएल WPCL 1	MAHAGENCO	135	04:48	25-11-2018	Still out	Still out	NO PPA
41.	डबल्यूपीसीएल WPCL 2	MAHAGENCO	135	00:00	27-11-2018	Still out	Still out	No schedule
42.	परली Parli 7	MAHAGENCO	250	00:00	12-12-2018	Still out	Still out	Zero schedule
43.	परली Parli 6	MAHAGENCO	250	00:00	12-12-2018	Still out	Still out	Zero schedule
44.	भुसावल Bhusawal 3	MAHAGENCO	210	03:00	14-12-2018	Still out	Still out	No Schedule
45.	डबल्यूपीसीएल WPCL 4	MAHAGENCO	135	00:00	15-12-2018	Still out	Still out	RSD
46.	वीआईपीएल VIPL 1	MAHAGENCO	300	00:30	29-12-2018	Still out	Still out	Coal shortage
47.	नासिक Nasik 3	MAHAGENCO	210	19:33	09-01-2019	22:10	12-04-2019	RSD
48.	वीआईपीएल VIPL 2	MAHAGENCO	300	00:15	17-01-2019	Still out	Still out	Coal Shortage
49.	कोराडी Koradi 7	MAHAGENCO	210	18:21	19-01-2019	Still out	Still out	Poor coal receipt
50.	चंद्रपुर Chandrapur 6	MAHAGENCO	500	22:06	20-02-2019	09:08	29-04-2019	Rotor earth fault
51.	कोराडी Koradi -9	MAHAGENCO	660	15:13	31-03-2019	17:04	13-04-2019	Furnace pressure High.
52.	नासिक Nasik 4	MAHAGENCO	210	21:35	12-04-2019	02:29	19-04-2019	R phase CT cubical burst
53.	चंद्रपुर Chandrapur 4	MAHAGENCO	210	13:53	17-04-2019	Still out	Still out	Furnace draft pressure high
54.	कोराडी Koradi 8	MAHAGENCO	660	16:55	17-04-2019	18:26	22-04-2019	Poor Coal receipt
55.	नासिक Nasik1	MAHAGENCO	210	12:22	19-04-2019	Still out	Still out	BTL
56.	खापरखेडा Khaparkheda 1	MAHAGENCO	210	20:32	23-04-2019	17:05	04-05-2019	Poor Coal Receipt
57.	जयगड Jaigad 4	MAHAGENCO	300	11:03	30-04-2019	04:00	05-05-2019	CW duct leakage
58.	सातपुरा Satpura II 7	MPPGCL	210	08:30	01-04-2019	20:29	04-04-2019	BTL
59.	सातपुरा Satpura II 6	MPPGCL	200	09:45	04-04-2019	04:44	11-04-2019	ID Fan Problem.
60.	सातपुरा Satpura III 8	MPPGCL	210	03:15	08-04-2019	Still out	Still out	ID Fan problem
61.	सिंगाजी Singaji 3	MPPGCL	660	00:00	10-04-2019	19:14	02-05-2019	Taken out for PG Test.
62.	Sanjay Gandhi TPS 2	MPPGCL	210	13:55	29-04-2019	Still out	Still out	ETL
63.	ट्रोम्बे Trombay 6	TPC	500	00:00	06-03-2016	Still out	Still out	Economic shutdown
64.	आरजीपीपीएल RGPPL-1B	RGPPL	230	23:00	31-03-2014	19:56	05-05-2019	Kept on dry preservation/ Gas Shortage
65.	आरजीपीपीएल RGPPL-1A	RGPPL	320	13:30	8-07-2014	Still out	Still out	Less requisition
66.	आरजीपीपीएल RGPPL 3A	RGPPL	230	19:48	05-02-2019	18:59	17-04-2019	Unit change over; less gas fuel
67.	आरजीपीपीएल RGPPL 3B	RGPPL	230	20:59	15-03-2019	14:07	15-04-2019	unit change over; less gas fuel
68.	आरजीपीपीएल RGPPL 2B	RGPPL	320	18:30	15-04-2019	Still out	Still out	Unit change over; less gas fuel
69.	आरजीपीपीएल RGPPL 2A	RGPPL	320	00:03	18-04-2019	Still out	Still out	Unit change over; less gas fuel
70.	अमरावती टीपीपी	Rattan Power India Ltd	270	00:00	20-12-2018	Still out	Still out	RSD

	AMRAVATI TPP(INDIABULL)4							
71.	अमरावती टीपीपी AMRAVATI TPP(INDIABULL)2	Rattan Power India Ltd	270	19:30	27-12-2018	16:44	04-04-2019	RSD
72.	अमरावती टीपीपी AMRAVATI TPP(INDIABULL)5	Rattan Power India Ltd	270	19:30	28-12-2018	06:54	18-04-2019	RSD
73.	अमरावती टीपीपी AMRAVATI TPP(INDIABULL)1	Rattan Power India Ltd	270	00:00	06-04-2019	22:58	12-04-2019	RSD
74.	अमरावती टीपीपी AMRAVATI TPP(INDIABULL)1	Rattan Power India Ltd	270	00:01	20-04-2019	Still out	Still out	Less schedule
75.	अमरावती टीपीपी AMRAVATI TPP(INDIABULL)-5	Rattan Power India Ltd	270	00:00	21-04-2019	Still out	Still out	RSD
76.	अमरावती टीपीपी AMRAVATI TPP(INDIABULL)-2	Rattan Power India Ltd	270	00:00	24-04-2019	Still out	Still out	Less schedule
77.	अमरावती टीपीपी AMRAVATI TPP(INDIABULL)-3	Rattan Power India Ltd	270	17:00	30-04-2019	Still out	Still out	RSD
78.	एपीएमएल APLM Tiroda 2	ATIL	660	11:08	11-04-2019	11:16	14-04-2019	Boiler stop valve bonnet leakage
79.	एपीएमएल APLM Tiroda 4	ATIL	660	00:16	17-04-2019	10:04	20-04-2019	Due to APH-A hot PA bellow leakage
80.	एपीएमएल APLM Tiroda 5	ATIL	660	00:22	18-04-2019	11:11	21-04-2019	MS drain line leakage.
81.	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
82.	जेपीएल स्टेज JPL Stg-I 1	JPL	250	00:00	24-10-2018	Still out	Still out	Coal shortage
83.	जेपीएल स्टेज JPL Stg-II 3	JPL	600	11:16	08-02-2019	17:50	05-04-2019	Condenser Tube Leakage/ Coal shortage
84.	जेपीएल स्टेज JPL Stg-II 1	JPL	600	02:07	16-03-2019	Still out	Still out	Condenser Tube Leakage/ Coal shortage
85.	जेपीएल स्टेज JPL Stg-II 2	JPL	600	16:23	03-04-2019	04:52	11-04-2019	GT R- Phase bushing caught fire
86.	जेपीएल स्टेज JPL Stg-I 3	JPL	250	12:15	15-04-2019	22:58	30-04-2019	Condenser tube leakage.; under Coal Shortage w.e.f 00:00hrs/18-04-2019
87.	ईपीजीएल EPGL -2	ESSAR	600	20:25	24-10-2017	Still out	Still out	Coal shortage
88.	ईपीजीएल EPGL 1	ESSAR	600	18:51	23-01-2018	22:11	21-04-2019	Coal shortage
89.	उनोसुजन UNOSUGEN-1	TPGL	382	21:55	04-03-2016	00:00	01-05-2019	RSD
90.	डीजीईएन DGEN-52	TPGL	400	20:00	25-11-2016	15:11	19-04-2019	No schedule(NO PPA)
91.	जीपेक जीटी GPEC GT 3	TPGL	138	11:36	10-12-2018	Still out	Still out	No schedule(PPA expired)
92.	जीपेक जीटी GPEC GT 1	TPGL	138	12:34	10-12-2018	Still out	Still out	No schedule(PPA expired)
93.	जीपेक जीटी GPEC GT 2	TPGL	138	18:55	10-12-2018	Still out	Still out	No schedule(PPA expired)
94.	केडब्लूपीसीएल KWPCCL 1	KWPCCL	600	22:12	22-05-2017	Still out	Still out	Stator earth fault protection operated/maintenance
95.	आईईपीएल IEPL I	IEPL	270	21:26	28-08-2018	Still out	Still out	Coal Shortage
96.	आरकेएम पावर RKM Power 1	RKMPPL	360	00:00	20-03-2019	Still out	Still out	Commercial operation declared from 00:00hrs of 20-03-2019; kept out on coal shortage
97.	आरकेएम पावर RKM Power 1	RKMPPL	360	12:57	31-01-2019	Still out	Still out	Coal shortage
98.	आरकेएम पावर RKM Power 2	RKMPPL	360	15:57	04-01-2019	Still out	Still out	Coal shortage

99.	एस्केएस SKS 2	SKS	300	13:20	01-01-2019	16:35	03-04-2019	Units tripped due to boiler MCC cable fault.
100.	एस्केएस SKS Power 1	SKS	300	22:58	03-04-2019	03:07	30-04-2019	Low schedule
101.	एसीबीआईएल ACBIL 2	ACBIL	135	23:29	02-04-2019	20:16	07-04-2019	BTL
102.	एस्सीपीएल SCPL 1	ACBIL	50	19:18	15-04-2019	23:32	18-04-2019	Boiler Tube Leakage
103.	सीजीपीएल CGPL 2	CGPL	830	09:30	31-03-2019	22:08	05-04-2019	To attend HPH6B tube leakage.
104.	सीजीपीएल CGPL 2	CGPL	830	07:03	06-04-2019	14:46	10-04-2019	BTL
105.	सीजीपीएल CGPL 1	CGPL	830	06:57	12-04-2019	17:19	15-04-2019	BTL.
106.	सीजीपीएल CGPL 1	CGPL	830	17:34	16-04-2019	13:56	25-04-2019	BTL
107.	झाबुवा Jhabua Power 1	JHABUA POWER	600	00:00	02-04-2019	23:44	06-04-2019	Flame failure
108.	बालको BALCO- 4	BALCO	300	00:08	13-04-2019	07:20	16-04-2019	Maintenance work(Short shutdown)
109.	बालको BALCO- 1	BALCO	300	19:11	17-04-2019	20:50	23-04-2019	Less schedule
110.	बालको BALCO- 2	BALCO	300	00:36	25-04-2019	Still out	Still out	PA Fan 2B Inspection
111.	डीबी पावर DB Power 2	DBPL	600	01:44	27-04-2019	11:51	02-05-2019	Boiler license renewal
112.	सासन Sasan 5	SASAN	660	03:41	25-04-2019	07:25	28-04-2019	Electrical fault. Upon inspection huge leakage in Boiler separator safety Valve was observed.
113.	एनएसपीसीएल NSPCL 2	NSPCL	250	23:13	30-03-2019	20:19	14-04-2019	Sparking on Y-phase bushing of GT; GT tripped on differential protection
114.	कॅप्स KAPS 1	NPCIL	220	08:52	11-03-2016	Still out	Still out	Reactor side problem
115.	सोलापुर Solapur STPS 1	NTPC	660	00:23	14-11-2018	Still out	Still out	RSD
116.	गडरवाड़ा Gadarwada 1	NTPC	800	22:45	04-03-2019	05:41	08-04-2019	Withdrawn after testing works
117.	गांधार Gandhar 4	NTPC	224	17:05	20-03-2019	19:44	09-04-2019	Bearing Vibration High
118.	गांधार Gandhar GT 3 3	NTPC	144	17:07	20-03-2019	11:19	09-04-2019	RSD, No schedule on RLNG
119.	सोलापुर Solapur STPS 2	NTPC	660	22:44	28-03-2019	Still out	Still out	RSD, less requisition (unit on Commercial operation since 00:00hrs of 30-03-2019)
120.	गांधार Gandhar GT 2 2	NTPC	144	17:51	29-03-2019	23:34	27-04-2019	RSD
121.	गांधार Gandhar GT 1 1	NTPC	144	01:43	04-04-2019	Still out	Still out	RSD
122.	गडरवाड़ा Gadarwada 1	NTPC	800	14:52	08-04-2019	06:15	25-04-2019	Due to mechanical seal Leakage in both TDBFPs
123.	वीएसटीपीएस VSTPS 7	NTPC	500	01:17	12-04-2019	02:13	15-04-2019	BTL
124.	कावास Kawas GT 2B	NTPC	106	10:13	14-04-2019	Still out	Still out	RSD
125.	गांधार Gandhar 4	NTPC	144	16:22	16-04-2019	03:02	02-05-2019	RSD
126.	गांधार Gandhar GT 3	NTPC	144	18:06	16-04-2019	21:54	29-04-2019	RSD
127.	कावास Kawas ST 2C	NTPC	106	09:15	24-04-2019	Still out	Still out	RSD
128.	कावास Kawas GT 2A	NTPC	106	09:24	24-04-2019	Still out	Still out	RSD
129.	गांधार Gandhar GT 2 2	NTPC	144	04:25	28-04-2019	09:42	02-05-2019	RSD

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

**पश्चिम क्षेत्र भार प्रेषण केन्द्र**

एफ-3, सेन्ट्रल रोड, एम्.आई.डी.सी. एरिया, मरोल, अन्धेरी (पूर्व), मुंबई - 400 093.  
दुरभाष : 022-28202691 • फैक्स : 022-28235434, 28202630 • ई-मेल : wrldc@posoco.in

**WESTERN REGIONAL LOAD DESPATCH CENTRE**

F-3, Central Road, MIDC Area, Marol, Andheri (East), Mumbai - 400 093.  
Phone : 022-28202691 • Telefax : 28235434, 28202630 • E-mail : wrldc@posoco.in  
**CIN : U40105DL2009GOI188682**

**संलग्नक Annex-2.7**

### नियोजित युनिट आऊटेज का अप्रैल 2019 का विस्तारित ब्यौरा

#### Details of planned unit outages during the month of April 2019

अनु क्रमांक Sl.No	युनिट Unit	संघटक Constituent/ IPP	क्षमता मेगावॉट Cap.MW	से		तक		कारण Reason
				From समय दिनांक	Time	To समय दिनांक	Time	
1.	डबल्यूपीसीएल WPCL 3	MAHAGENCO	135	00:28	01-11-2018	Still out	Still out	AOH
2.	वीएसटीपीएस VSTPS 3	NTPC	210	16:42	15-03-2019	21:11	09-04-2019	AOH
3.	लॅन्को Lanco 2	LANCO	300	00:00	27-03-2019	19:46	12-04-2019	AOH
4.	डीजीबीपी DGBP 2	GSECL	112	05:53	04-04-2019	15:38	04-05-2019	AOH
5.	ओपीजीएस OPGS 1	GSECL	150	23:59	24-02-2019	15:42	26-04-2019	Annual Maintenance
6.	कोरबा पूर्व Korba(E) 5	CSPGCL	120	00:00	12-04-2019	03:40	18-04-2019	AOH

# Power System Analysis of Gujarat State for the month Of April-2019



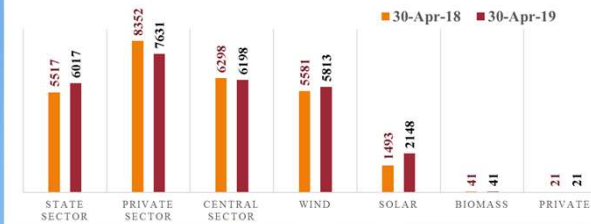
**Gujarat Energy Transmission Corporation Limited**

[ An ISO 9001 : 2015 Company ]

## Sector wise Installed Capacity

Installed Capacity (MW)	Total Gujarat
30-Apr-18	27303
30-Apr-19	27869

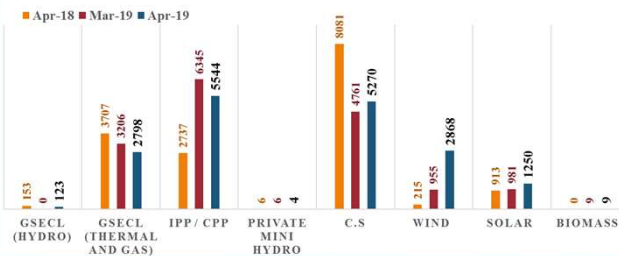
SECTOR WISE INSTALLED CAPACITY IN MW



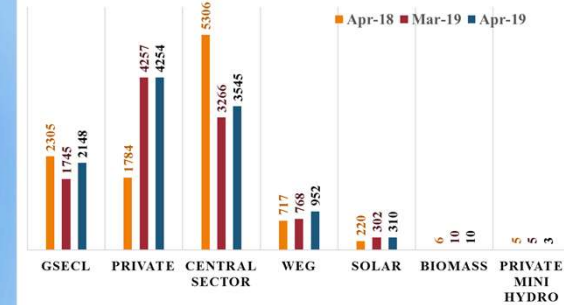
## Maximum Demand Catered & Energy Consumption

Month	Maximum demand catered in MW	Energy consumption in MUS
Apr-18	15811	10345
Mar-19	16263	10351
Apr-19	17865	11223

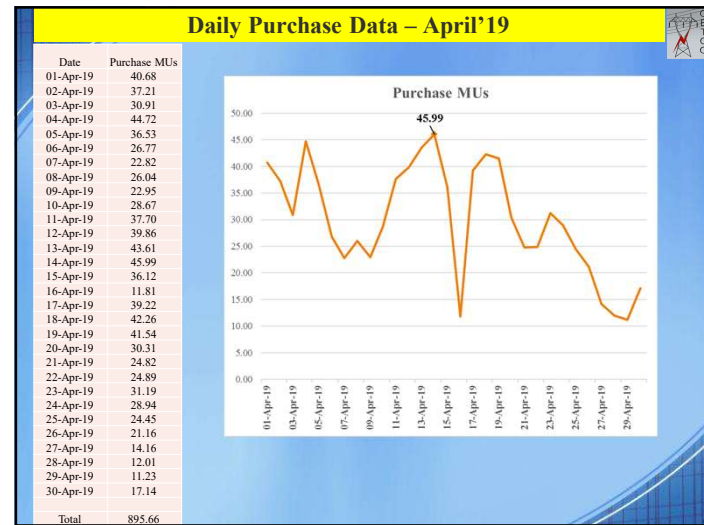
MAX. DEMAND CATERED BREAK-UP



SECTOR WISE ENERGY GENERATION



RE Generation during April-19		
<b>Wind Energy</b>		
	<b>April-18</b>	<b>April-19</b>
<b>Installed capacity</b>	5581	5813
<b>Generation in MUS</b>	717.45	951.95
<b>Max. Generation in MW</b>	<b>3237</b>	<b>3479</b>
<b>Min. Generation in MW</b>	8	71
<b>Max. Generation in a day in MUS</b>	<b>55.313</b>	<b>56.790</b>
<b>Solar Energy</b>		
	<b>April-18</b>	<b>April-19</b>
<b>Installed capacity</b>	1230	1493
<b>Generation in MUS</b>	186.25	220.50
<b>Max. Generation in MW</b>	<b>1029</b>	<b>1477</b>
<b>Max. Generation in a day in MUS</b>	<b>7.826</b>	<b>11.177</b>



Important grid elements prolonged outages					
Sr. no.	Name of element	Out from date	In date	Reason	Expected date of revival
1	400 KV breaker of 125 MVAR Bus Reactor at Hadala	7.6.18	...	125 MVAR reactor in P.F. due to Y-Phase breaker pole blast. Center break isolator also got damaged.  Breaker allotted. Commissioning work is pending. Breaker pole replacement completed. CSD allotment awaited.	
2	400 KV 50 MVAR Bus reactor at Jetpur	9.6.18	....	50 MVAR reactor in P.F. due to Y-PH bushing of reactor blast.  Internal inspection carried out by OEM engineer. Spare reactor from Chorania S/S will be shifted to Jetpur S/S	

Important grid elements prolonged outages					
Sr. no.	Name of element	Out from date	In date	Reason	Expected date of revival
3	400 KV, 125 MVAR bus reactor Kasor	12.9.18		Reactor breaker DCRM results found abnormal.  Breaker O/H order placed. CSD sent for repair work.	

Addition of new grid elements in Gujarat during April-19		
Sr. No.	Name of Line/ Equipment & Capacity	Date of Charging / Commissioning
1	400 KV Kasor-Amreli line-2 feeder bay with 50 MVAR line reactor at Kasor end	30.4.19

Node wise Voltage details in Gujarat system during April-19		
Name of 400 KV S/S	No. of days when voltage remained >420 KV	No. of days when voltage remained <380 KV
Asoj	0	0
Jetpur	0	0
Ukai	30	0
Wanakbori	27	0
Soja	3	0
Chorania	4	0
Kansari	0	0
Amreli	27	0
Vadavi	3	0
Hadala	13	0
Varsana	1	0
Kasor	0	0
Kosamba	4	0

Major 400 KV Elements outages facilitated – April 19
Outage of 400 KV Bus-2 at Kosamba S/S was facilitated on 5.4.19 for cloth cleaning and maintenance work.
Outage of 400 KV Bus-1 at Kosamba S/S was facilitated on 7.4.19 to attend Red Hotpoint, of 400kV Bus-1 Isolator, for 400/220kV, 315MVA ICT-3.
Outage of 400 KV Bus-2 at CGPL was facilitated on 9.4.19 for Implementation of changes in Bus Protection scheme and testing of the same & rectification of 407 89A isolator alignment issue.
Outage of 400 KV Bus-1 at Nikol was facilitated from 9.4.19 to 11.4.19 on cont. basis to replace faulty Y-Phase module GCO.
Outage of 400 KV Bus-1 at Kasor along with 400 KV Kasor-chorania line & 400 KV Kasor-Rajgadhd line-1 was facilitated on 10.4.19 for R-phase bus conductor replacement work over 400kv chorania & 400kv Rajgarh line.no.1 section
Outage of 400 KV Bus-1 at CGPL was facilitated on 12.4.19 for Implementation of changes in Bus Protection scheme and testing of the same.
Outage of 400 KV Bus-2 at Hadala was facilitated on 16.4.19 for maintenance work.

Major 400 KV Elements outages facilitated – April 19
Outage of 400 KV Bus-1 at Hadala was facilitated on 16.4.19 for maintenance work.
Outage of 400 KV Bus-1 at Kasor was facilitated on 30.4.19 for charging of New 400KV Kasor-Amreli line no. 02 with 50MVAR reactor bay at 400KV Kasor S/S.

Major Occurrence in Gujarat System – April'19					
Sr. No.	Date	Location	Description	Loss in MW	
				Load	Gen
1	01.04.19 08:58 Hrs	400 kV Kasor S/S	At 08:58 Hrs, 400 kV Bus Zone - 1 protection operated at Kasor S/S due to one conductor of B-ph. Quadra MOOSE conductor of 400 kV bus - 1 broken and fallen down on Y - phase aluminium pipe conductor of 400 kV Kasor - Rajgadn line No. 2. It led to Y - B phase to phase Bus - 1 fault. As a result, all 400 kV elements connected to 400 kV Bus - 1 ( 400/220 kV, 315 MVA ICT - 3, 400 kV Kasor -Rajgadn line No. 2, 50 MVAR bus reactor) tripped.  However, there was no generation / load loss.	0	0

Statistics for element outages in Gujarat Power system – April'19	
Total no. of OCC approved outages	95
Outages deferred from site	37
OCC approved outages approved by WRLDC	55
OCC approved outages deferred by WRLDC due to system condition	3
Post OCCM Outages consent taken	1
Post OCCM Outages availed	1

**Thank you**

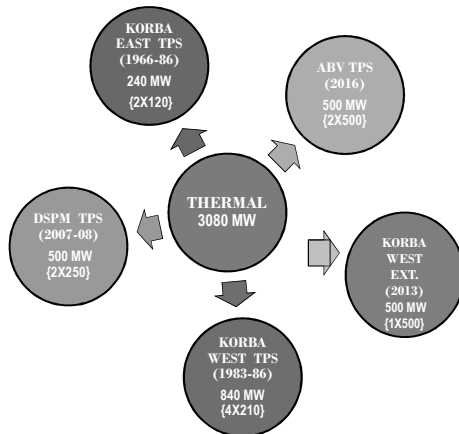
**STATE LOAD DISPATCH CENTRE  
RAIPUR  
CHHATTISGARH**



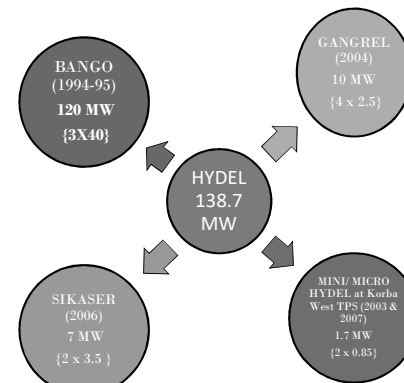
**519<sup>th</sup> OCC MEETING AT WRPC,  
MUMBAI ON 15<sup>th</sup> MAY 2019.**

**Review of system operation during  
the month of April-2019.**

**Installed capacity of Chhattisgarh as on April-2019.**



**Installed capacity of Chhattisgarh as on April-2019.**



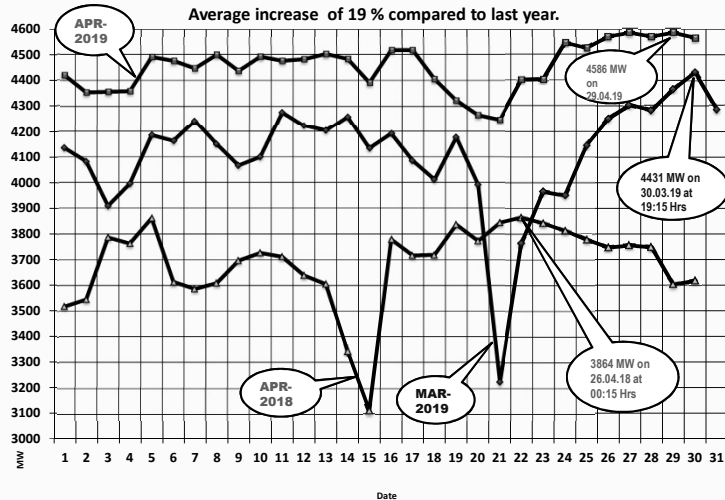
### Demand Pattern.

	MARCH-19	APRIL-19	APRIL-18	% Change compared to previous year
<b>Max. Demand Met</b>	4431 MW 30.03.2019 19:15 Hrs	<b>4568 MW</b> <b>29.04.2019</b> <b>23:30 Hrs</b>	3864 MW 22.04.2018 00:15	19%
<b>Max. Unrestricted Demand at the time of Max. Demand Met</b>	4439 MW	<b>4589 MW</b>	3875 MW	18%
<b>Min. Demand Met</b>	2587 MW 17.03.2019 22:30 Hrs	<b>3246 MW</b> <b>11.04.2019</b> <b>18:00 Hrs</b>	1803 MW 01.04.2018 17:30	80%
<b>Max. Unrestricted Demand</b>	4508 MW 28.03.2019 22:45 Hrs	<b>4662 MW</b> <b>29.04.2019</b> <b>19:15 Hrs</b>	3875 MW 22.04.2018 00:15	20%

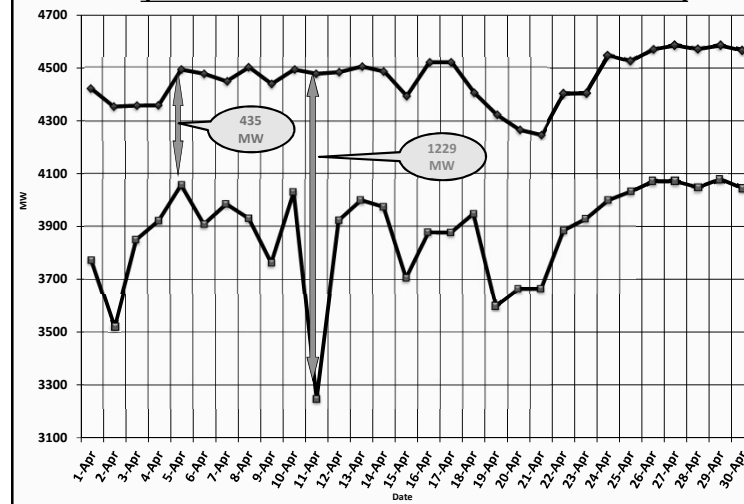
### Availability during monthly Peak Demand met :

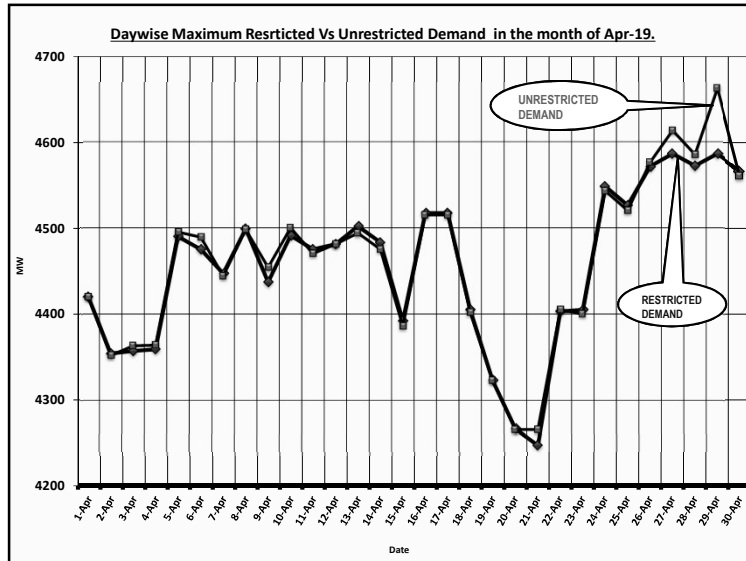
	MW	%
CSPGCL Thermal (Ex Bus)	2187	48%
CSPGCL Hydel	45	1%
Injection (Solar,Biomass,unscheduled power,open access,small hydro)	114	2%
CS Share including BSP share in NSPCL	1194	26%
Net Import (+) / Export (-)	896	20%
OD(+) / UD(-)	150	3%
<b>Demand Met (MW)</b>	<b>4586</b>	

Daily Max Demand met in the month of Mar-19, Apr-19 & Apr-18.  
MAX 4586 MW on 29.04.2019 at 23:30 hrs.  
Average increase of 19 % compared to last year.



Daywise Min and Max Demand met in the month of Apr-19,  
[ Difference : Max 1229 MW on 11.04.19 & Min 435 MW on 5.04.19 ]





**SOLAR POWER INJECTION (At 132 KV)**

**For April-2019.**

Name of entity	capacity	Generation [MU]
M/s Azure	3X10 MW	4.291
M/s Parampujya	2X50 MW	20.927
M/s Acme	30 MW	4.635
Total		29.852

**Dam level and Ex-bus generation of Bango HPs.**

Month	2019-20		2018-19	
	Dam level at end of the month	Ex-bus Hydel generation	Dam level at end of the month	Ex-bus Hydel generation
April	351.27	18.18	352.50	13.67

**Transmission elements outages- OCC planned Vs actual availed in April-2019**

Total No. of Outages	No. of outages availed	No. of Deferred Outages			No. of outages not availed.
		SLDC	WRLDC	Site	
13	7	0	0	6	6

**Addition of new grid elements during April-2019.**

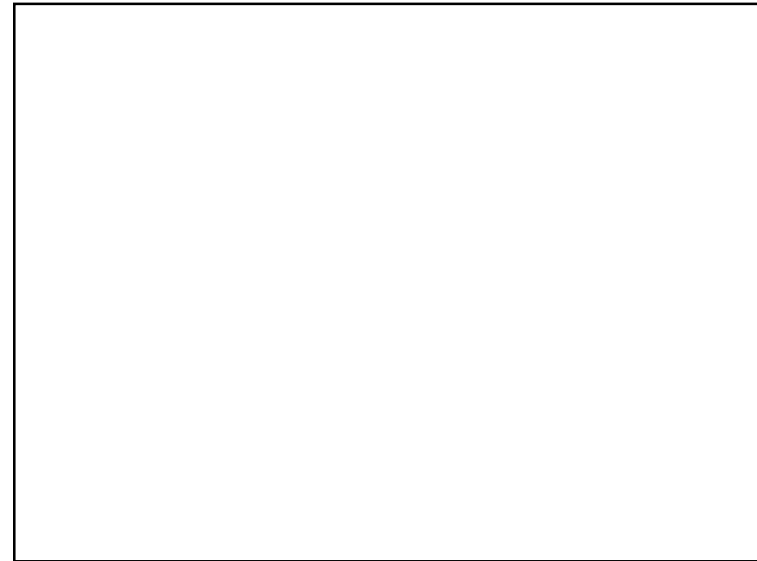
----- NIL -----

**Grid elements failed in April-2019 and expected date of replacement.**

----- NIL -----

**Important grid element prolonged outages in April-2019 and expected revival date.**

----- NIL -----





### Maharashtra System Demand Scenario for the month of Apr.-2019

STATE Demand Details							
Peak Demand (MW)	Catered Demand (MW)	Load Shedding /Shortfall (MW)	Date	Time (Hrs)	Min. Demand (MW)	Date	Time(Hrs)
23150	23150	0	30.04.2019	15:00 Hrs	17737	05.04.2019	04:00 Hrs

MSEDCL Demand Details (including open access )							
Peak Demand (MW)	Catered Demand (MW)	Load Shedding /Shortfall (MW)	Date	Time (Hrs)	Min. Demand (MW)	Date	Time(Hrs)
19744	19744	0	30.04.2019	15:00 Hrs	15085	13.04.2019	21:00 Hrs

Mumbai Demand Details (including open access )							
Peak Demand (MW)	Catered Demand (MW)	Load Shedding /Shortfall (MW)	Date	Time (Hrs)	Min. Demand (MW)	Date	Time(Hrs)
3509	3509	0	26.04.2019	16:00 Hrs	1875	02.04.2019	05:00 Hrs

### Maharashtra System Demand Scenario comparison for the month of April-2019 and April-2018

2019						2018						% Rise / Fall
Month	Peak Demand (MW)	Catered Demand (MW)	Shortfall (MW)	Date	Time (Hrs)	Month	Peak Demand (MW)	Catered Demand (MW)	Shortfall (MW)	Date	Time (Hrs)	
<b>STATE Demand Details</b>												
Apr.-19	23150	23150	0	30.04.19	15:00	Apr.-18	23717	23717	0	23.04.18	17:00	-2.39 %
<b>MSEDCL Demand Details</b>												
Apr.-19	19744	19744	0	30.04.19	15:00	Apr.-18	20340	20340	0	23.04.18	17:00	-2.93 %
<b>Mumbai Demand Details</b>												
Apr.-19	3509	3509	0	26.04.19	16:00	Apr.-18	3599	3599	0	18.04.18	16:00	-2.5 %

State Energy Requirement for April-2019 and April-2018			
Month	Apr.-19	Apr.-18	% Rise / Fall
Energy Consumption (MUs)	14722	14709	0.09 %

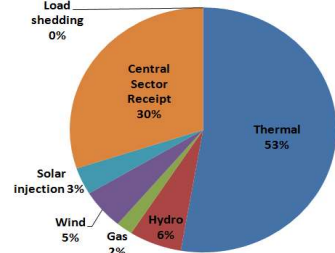
### Peak Demand Generation Availability (in MW)

Peak demand generation availability for 30 <sup>th</sup> Apr. 2019 at 15:00 Hrs.	
MSPGCL Thermal	6405
MSPGCL Hydro	1078
MSPGCL Gas	280
MSPGCL Total Generation	7763
Central Sector Share	
Central Sector Receipt	6967
WIND	1220
CPP / IPP	4828
SOLAR	827
Exchange with Mumbai	-1861
MSEDCL DEMAND MET	19744
Load Shedding	0
MSEDCL DEMAND (INCL. LS)	19744
TPCL GENERATION	1096
AEML GENERATION	449
MUMBAI DEMAND MET	3406
Load Shedding	0
MUMBAI DEMAND (INCL. LS)	3406
STATE DEMAND MET	23150
STATE DEMAND	23150
Frequency (Hz)	49.99

System Performance Report for the month of Apr.-19

### Peak Demand Sources on 30.04.2019 (in MW)

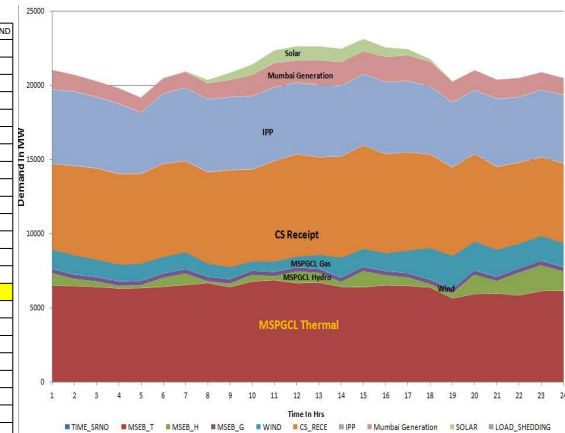
Particulars	MW
Thermal	12197
Hydro	1478
Gas	461
Wind	1220
Solar	827
Central Sector Receipt	6967
Load Shedding	0
<b>Total Demand</b>	<b>23150</b>



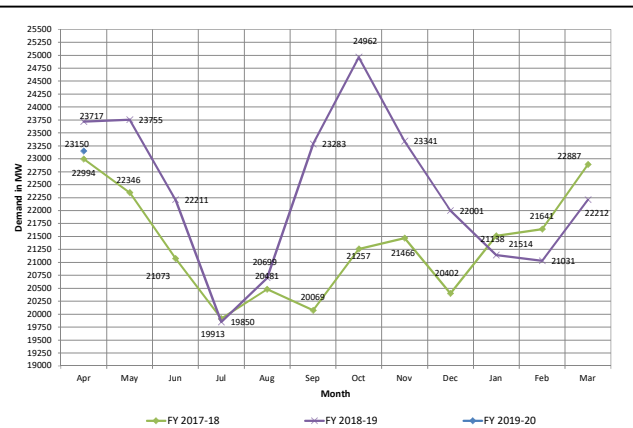
### Load curve for Peak Demand Day in month of APR. -2019

DI.30.04.2019

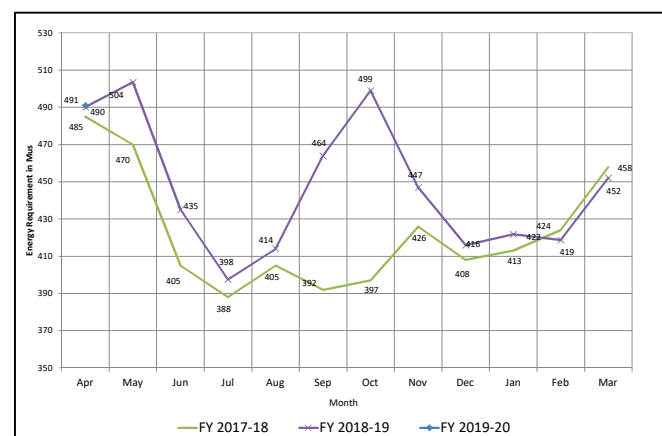
TIME_SRNO	STATE_DEMAND
1	21069
2	20736
3	20304
4	19834
5	19189
6	20502
7	20969
8	20373
9	20854
10	21420
11	22377
12	22650
13	22649
14	22485
15	23150
16	22567
17	22455
18	21772
19	20272
20	21029
21	20387
22	20502
23	20890
24	20499

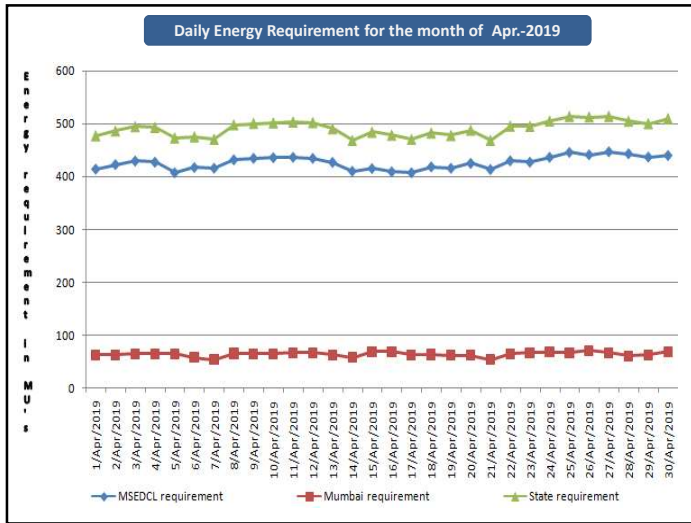


### Monthly Maharashtra State Max Demand For the FY 17-18, FY 18-19 and FY 19-20



### Monthly Maharashtra State Average Energy Req. For the FY 17-18, FY 18-19 and FY 19-20





### Status of Failed Line/Bus Reactors

Sr. No.	Voltage rating	Name of the Line Reactors	MVAR	IN / OUT	STATUS
1	400KV	400kV Chandrapur 1-Parli 3 (Chandrapur 1 end)	50	OUT OF SERVICE (faulty)	The Reactor is under overhauling at the works of M/s Aditya Vidyut Appliances Ltd, Bhiwandi (AVAL) & the work is held up due to severe internal problems at the end of M/s AVAL. However, the issue is being followed up with M/s AVAL for early repairs.
2	400KV	400kV Chandrapur 2-Nanded 1 (Chandrapur 2 end)	50	OUT OF SERVICE (faulty)	The Reactor was lifted by M/s AVAL on 22.11.2018. However the work is held up due to internal problems at the end of M/s AVAL. However the issue is being followed up with M/s AVAL for early repairs.
3	400KV	400kV Parli- Lonikand-II ckt-1 (Lonikand-II end)	50	OUT OF SERVICE (faulty)	The repaired Reactor is available at site and commissioning was held up due to bushing problems. The bushings supplied by M/s AVAL were utilized for charging the Lonikand II Parli ckt II reactor. The procurement of new bushing is in process.
4	400KV	400kV Dhule S/S-SSP-1 (CSR)	50	OUT OF SERVICE (faulty)	Due to design defect and various problems these reactors are out of service. The issue was referred to M/s BHEL several times and is being followed up continuously but there is no response from M/s BHEL.
5	400KV	400kV Dhule S/S-SSP-2 (CSR)	50	OUT OF SERVICE (faulty)	Due to design defect and various problems these reactors are out of service. The issue was referred to M/s BHEL several times and is being followed up continuously but there is no response from M/s BHEL.
6	400KV	400kV Karad - Lonikand (CSR)	80	OUT OF SERVICE (faulty)	Due to design defect and various problems these reactors are out of service. The issue was referred to M/s BHEL several times and is being followed up continuously but there is no response from M/s BHEL.
7	400KV	400kV Chandrapur 2-Nanded 2	50	OUT OF SERVICE (faulty)	The Reactor was lifted by M/s AVAL on 26.11.2018. However the work is held up due to several internal problem at the end of M/s AVAL. However, the issue is being followed up with M/s AVAL for early repairs.
8	400KV	400KV 50MVAR Bus Reactor at Khadka ss	50	OUT OF SERVICE (fire)	Switchable Bus Reactor caught fire on dt-10 Nov.2018

### Status of New Reactors

Sr. No.	Name of Sub-Station	Capacity (MVAR)	Status	Expected Commissioning
1	400 kV Nanded	1 x 125	Acceptance of tender is in process.	June'2019
2	400 kV Lonikand - II	1 x 125		June'2019
3	400 kV Bhusawal - II	1 x 125		June'2019
4	400 kV Chandrapur II	1 x 125		June'2019
5	400 kV Koradi - II	1 x 125	Tenders processed and the proposals are in approval stage.	June'2019
6	400 kV Dhule	1 x 125		June'2019
7	400 kV Akola	1 x 125		June'2019
8	400 kV Khaperkheda	1 x 125		June'2019
<b>Commissioned</b>				
1	400 kV Karad	1 x 125	26.10.2017	
2	400 kV Kolhapur	1 x 125	07.02.2018	
3	400 kV Solapur (Lamboti)	1 x 125	20.03.2018	

### RE Generation for Apr- 2019

Wind Energy		
	Apr.-18	Apr.-19
Installed capacity	4769	4782
Generation in MUS	403	529
Max. Generation in MW	1811	2244
Min. Generation in MW	48	118
Max. Generation in a day in MUS	31.3	31.8

Solar Energy		
	Apr.-18	Apr.-19
Installed capacity	700	1365
Generation in MUS	174	209
Max. Generation in MW	924	1064
Max. Generation in a day in MUS	6.8	7.9

### Major Occurrences in April- 2019

Sr.no.	SUB-STATION	LINE/EQPT/BUS AFFECTED	DATE OF TRIPPING	TIME (hrs)	RESTORATION HRS.	EQUIP. FAILURE	LOAD/GEN. AFFECTED (approx.)	REASONS OF FAILURE
1.	220kV Borivali	220kV Main bus 1 Feeders tripped (Kalwa, Tarapur, Bhandup GIS, Kharghar ckt 2, TATA 4, AEML 2, Goral, 200MVA ICT 1 & 100kV TATA 2 )	08.04.19	01.10	8.24 hrs	Nil	Nil	Insulation failure of Y Ph & Neutral core of 4 core cable from CT Mk to Bus bar panel. Due to this busbar operated on through fault.
2.	400kV Chandrapur 2	400kV Bus bar zone 1	12.04.19	15.25	All lines were in service. ICT 2 out	Tie breaker R Ph pole of ICT 2 burst	Generation affected Approx. 1200 MW ( C'Pur U-8, U-9, Dhariwal U 1 )	R pole of tie breaker of 500 MVA ICT 2 burst causing Zone 1 bus bar prot operation. All lines were in service through Tie breaker.
3	400kV Nagothane	400kV Bus bar 1 & 2 Feeders Tripped - Paigaha 1 & 2, Dabhol 1, ICT 1,2 & 3( Dhabhol 2 was already tripped on D P)	14.04.19	22.50	00.26 to 02.26 hrs	Nil	Nil	At 400 kV Nagothane s/s, Bus coupler bay, IPS Tube between B-ph CT and 400 kV Bus 2 fell down and created B phase fault.
4	400kV Parli	Main bus 2	29.04.19	18.07	21.06 hrs	400kV Y Ph CT of C'Pur-Parli line	Nil	Bus 2 bus bar prot.optd due to Y Ph C T of C'Pur-Parli line burst .

### Outages Aailed Abstract of April-2019

Total nos. of outages approved			Total nos. of outages aailed			% of Aailed outages
OCCM	Addl. OCCM	Post OCCM	OCCM	Addl. OCCM	Post OCCM	
164	4	6	69	4	4	<b>42.08</b>

WRPC OCCM	Total nos. of outages Deferred			% of Deferred outages
	WRLDC	Site	MSLDC	
OCCM	5	88	2	<b>57.92</b>
Addl. OCCM	0	0	0	
Post OCCM	0	2	0	



### Maharashtra State Installed Capacity ( As on 31.03.2019)

#### Maharashtra System Peak Installed De-rated Capacity along with its CS Share

Particulars	Hydro	Thermal	Gas	Nuclear	NCE	Total
MSPGCL	2450	10170	672	0	180	13472
TPCL	447	750**	180	0	205	1582
AEML	0	500	0	0	93	593
IPP / CPP	44	9125	388	0	7998	17555
CS(MS)	445	5570	2272*	754	0	9041 (excluding RGPPPL = 7175)
<b>Total</b>	<b>3386</b>	<b>26115</b>	<b>3512</b>	<b>754</b>	<b>8476</b>	<b>42243#</b>

\*RGPPPL ( total capacity 1967 MW) 95 % capacity to MSEDCL(1868 MW), 540 MW allotted to Indian Railways from MSEDCL share. No capacity availed by MSEDCL from RGPPPL.

#Total 40375 MW ( excluding RGPPPL 1868 MW)

\*\* TPCL Unit-6 (500MW) – No PPA from 01.04.2018

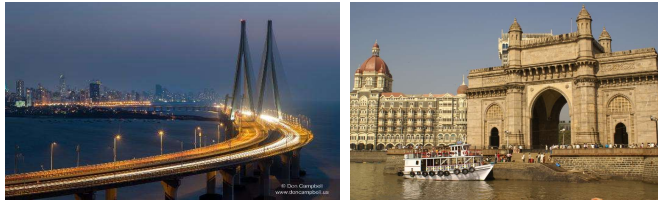
State Load Despatch Center, Airoli (MSETCL)																						
Details of Maharashtra System for APR 2019																						
Date	MSEDCL			MUMBAI			STATE						RE				Requirement (in Mus)					
	Max Dem (MW)	LS (MW)	Min Dem (MW)	Max Dem (MW)	LS (MW)	Min Dem (MW)	Max Dem (MW)	LS (MW)	Min Dem (MW)	MSPOGL	WIND	SOLAR	Cent. Sect.	U*	TPCL Bch.	MSEDCL	MUMBAI	STATE				
31/04/2019	18584	0	15296	0	3182	1592	21845	0	17914	0	146.68	22.54	8.84	15.14	7.16	137.90	0.77	-32.13	414.557	62.559	477.066	
32/04/2019	18683	0	16400	0	3149	1676	21759	0	18303	0	148.78	20.29	6.92	16.17	7.11	142.20	-1.06	-31.58	423.026	62.863	485.889	
33/04/2019	18877	0	16845	0	3268	1934	22145	0	18800	0	150.59	18.33	6.73	17.45	6.79	139.90	-1.00	-29.30	429.600	64.521	494.121	
34/04/2019	19567	0	15689	0	3285	1977	22852	0	18419	0	147.82	16.33	6.96	19.16	7.49	130.20	-0.84	-30.64	427.406	65.344	492.750	
35/04/2019	18401	0	15708	0	3310	1993	21655	0	17737	0	143.99	14.54	6.90	17.73	6.75	131.30	0.23	-34.99	407.796	65.280	473.076	
36/04/2019	18603	0	16998	0	2721	1966	20999	0	18625	0	144.97	16.14	3.79	17.74	6.78	136.00	-0.23	-29.13	417.534	57.744	475.278	
37/04/2019	16277	0	16192	0	2548	1950	20562	0	18417	0	143.34	6.84	7.00	18.98	7.67	137.90	-1.04	-26.92	416.330	64.071	470.401	
38/04/2019	19171	0	16815	0	3308	1981	22436	0	18832	0	147.66	15.56	6.90	18.37	7.15	140.80	-0.84	-30.28	431.884	65.488	497.372	
39/04/2019	19043	0	17139	0	3304	1996	22347	0	19401	0	147.59	17.83	6.96	22.08	7.43	140.30	-1.66	-29.91	434.636	65.250	499.886	
10/04/2019	19017	0	17310	0	3283	1996	22280	0	19369	0	142.67	21.74	6.92	17.48	7.41	144.10	-1.98	-30.12	435.734	65.365	501.099	
11/04/2019	19063	0	17329	0	3312	2031	22336	0	19402	0	137.59	29.30	6.91	14.88	7.09	149.80	0.91	-29.18	436.464	66.211	502.675	
12/04/2019	19124	12	16919	12	3366	2043	22423	12	19444	0	134.84	26.77	6.90	13.99	6.81	146.90	0.40	-23.77	434.428	67.006	501.434	
13/04/2019	19482	0	15985	0	3082	2048	22564	0	17883	0	146.48	25.16	4.68	15.38	6.58	141.30	-2.20	-28.78	427.109	62.825	489.934	
14/04/2019	18660	0	15519	0	2750	2076	21170	0	18056	0	152.71	15.51	5.38	11.40	6.63	132.20	-2.98	-28.28	410.717	57.623	468.340	
15/04/2019	19464	0	15892	0	3381	2125	22823	0	18181	0	144.83	21.33	6.87	13.88	5.24	141.30	-1.61	-36.76	415.668	68.088	483.756	
16/04/2019	18522	0	15827	0	3387	2168	21896	0	18059	0	145.39	15.39	6.90	13.84	5.17	146.30	-0.61	-36.42	409.667	68.607	478.274	
17/04/2019	17840	0	15917	0	3001	2112	20520	0	18083	0	137.84	24.18	6.92	20.48	7.75	144.90	0.10	-35.41	407.526	62.487	470.013	
18/04/2019	16333	0	16446	0	3329	1946	21513	0	18467	0	147.07	28.16	6.99	13.50	7.94	153.60	0.74	-31.01	418.708	63.576	482.283	
19/04/2019	18366	0	16047	0	2961	2011	21143	0	18774	0	151.05	21.47	6.87	14.62	7.78	146.90	-1.13	-33.06	416.216	61.576	477.791	
20/04/2019	19022	0	16492	0	3023	2039	22045	0	19009	0	147.31	30.62	6.84	13.66	7.76	148.10	-1.58	-32.95	425.230	62.149	487.379	
21/04/2019	18411	0	15898	0	2540	2015	20666	0	18137	0	139.49	21.38	6.96	18.26	7.66	141.70	-3.06	-28.52	413.968	54.509	468.477	
22/04/2019	19245	0	16470	0	3303	1955	22484	0	18476	0	140.81	23.99	6.89	20.64	7.63	141.60	-0.27	-33.57	430.050	64.923	494.973	
23/04/2019	18916	0	16747	0	3413	2059	22329	0	19172	0	150.02	19.17	6.85	15.72	6.42	140.20	-1.45	-34.38	427.408	67.099	494.507	
24/04/2019	19123	0	16817	0	3420	2107	22543	0	18978	0	154.84	25.73	6.84	15.27	7.06	144.10	-1.02	-30.65	436.458	67.855	504.313	
25/04/2019	19637	0	17420	0	3364	2104	22973	0	19822	0	158.01	30.80	6.75	13.77	6.71	148.20	-1.54	-29.42	445.466	67.399	513.045	
26/04/2019	19188	0	17536	0	3509	2254	22697	0	20215	0	158.56	25.57	3.85	18.18	7.01	149.10	-1.72	-33.00	441.118	70.702	511.820	
27/04/2019	19688	0	17342	0	3245	2189	22933	0	20223	0	159.74	22.38	6.68	19.38	6.56	146.20	-2.44	-29.94	446.649	66.582	513.231	
28/04/2019	19004	0	17497	0	2964	2186	21987	0	19948	0	154.00	22.89	3.83	18.74	6.79	148.40	2.32	-33.01	442.026	61.138	504.064	
29/04/2019	19182	0	17328	0	2878	2212	22050	0	19941	0	157.73	11.52	6.42	26.69	6.49	144.80	-1.00	-33.50	436.955	62.454	499.409	
30/04/2019	19744	0	17007	0	3442	2182	23150	0	19189	0	153.26	15.66	6.87	31.70	7.11	148.50	0.04	-37.13	439.818	69.116	508.934	
Total											4435	619	193	625	209	4277	-31	-945	12801.632	1920.468	14722.100	
Maximum	19744	12	17536	12	3509	2264	23160	12	20223	0	159.7	36.8	7.0	31.8	7.9	153.0	0.9	-26.9	446.6	70.7	513.2	
Minimum	17840	0	15985	0	2540	1976	20582	0	17737	0	134.8	8.8	5.8	11.4	5.2	136.2	-3.1	-37.1	407.8	64.2	468.3	
Average	18951	0	16520	0	3160	2048	22041	0	18842	0	147.8	20.6	6.4	17.5	7.0	142.6	-1.0	-31.5	428.7	64.0	490.7	

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# Power System Operation Corporation Ltd.



## 519<sup>th</sup> OCC Meeting



At Mumbai  
15<sup>th</sup> May'2019

### Grid Operation Highlights

WRDC POSOCO

## WR Highlights 2018-19

- First ISTS connected Ultra Mega Solar Plant (750 MW) Smoothly Integrated in the grid Rewa PS in June'2018
- First ISTS Connected Ostro Kutch Wind Plant (250 MW) Commissioned in July 2018

### Frequency Profile

Avg Freq- 49.98 Hz  
Min-49.57Hz (26 May'18)  
Max-50.30Hz (01 Mar'19)  
Lowest FVI- 0.02  
Avg. Frequency in IEGC band-

76.16% of time

89.20% of the time freq was in IEGC Band on 03<sup>rd</sup> Sep'18

### Highest Demand

Max. 57518 MW on 16<sup>th</sup> Oct 2018 at 15:00hrs(11.3% ↑)

### Energy

Highest 1293 MU on 16<sup>th</sup> Oct 2018 (9.58% ↑)

### Highest IR Exchange

14475MWh on 12<sup>th</sup> July 2018

### New Elements

Gen. Units sync.- 4781 MW  
Tr. Lines- 7919 ckt Km  
ICTs capacity added- 23475MVA  
Bus Reactors- 2338 MVAR  
Line Reactors- 8210 MVAR

### Renewables

Wind capacity- 13239 MW  
4% growth w.r.t last year (12723 MW in Mar'18)

Solar capacity- 6087 MW  
55% growth w.r.t last year (3925 MW in Mar'18)

Highest Wind Generation 8758 MW on 13<sup>th</sup> June'18  
11% growth w.r.t last year (7885 MW 04<sup>th</sup> July'17)

Highest Solar Generation 4045 MW on 26<sup>th</sup> Mar'19  
35% growth w.r.t last year (2992 MW in Mar'18)

Highest RE Generation 11163 MW on 13<sup>th</sup> June'18

Highest Wind Gen(MU) 192 MUs on 13<sup>th</sup> June'18  
13% growth w.r.t last year

Highest Solar Gen(MU) 30 MUs on 28<sup>th</sup> Feb'19  
36% growth w.r.t last year

WR seasonal Demand (daily max.) Plot 2018-19 to 2019-20



Demand Met(MW)	Apr-19	Mar-19	Apr-18	% Change w.r.t last month	% Change w.r.t last Year
Average	50700	47184	47660	7.45	6.38
Max	56222	52965	52276	6.15	7.55
Date when Max.	30-Apr-19	7-Mar-19	23-Apr-18	-	-

### Regional Demand Met in Apr.'2019

Maximum : 56222 MW (30<sup>th</sup> April 2019, 15:00 hrs)

Minimum: 42715 MW (17<sup>th</sup> April 2019, 04:00 hrs)

Increment in Average Demand compared to April'18: 6.38%

### Highest Demand(Gross)

Constitute	Demand (in MW)	Date	Time
Maharashtra	24146	10.10.2018	12:00
Gujarat	18221	21.09.2018	15:00
MP	14362	05.01.2019	09:00
CSEB	4574	27.04.2019	24:00
Goa	596	04.09.2018	17:00
DD	382	19.06.2018	17:00
DNH	818	29.04.2019	17:00
ESIL	928	20.01.2019	24:00
WR	57518	16.10.2018	15:00

Maharashtra seasonal Demand (daily max.) Plot 2017-18 to 2018-19



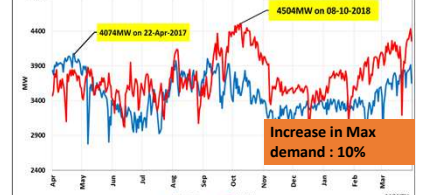
Gujarat seasonal Demand (daily max.) Plot 2017-18 to 2018-19

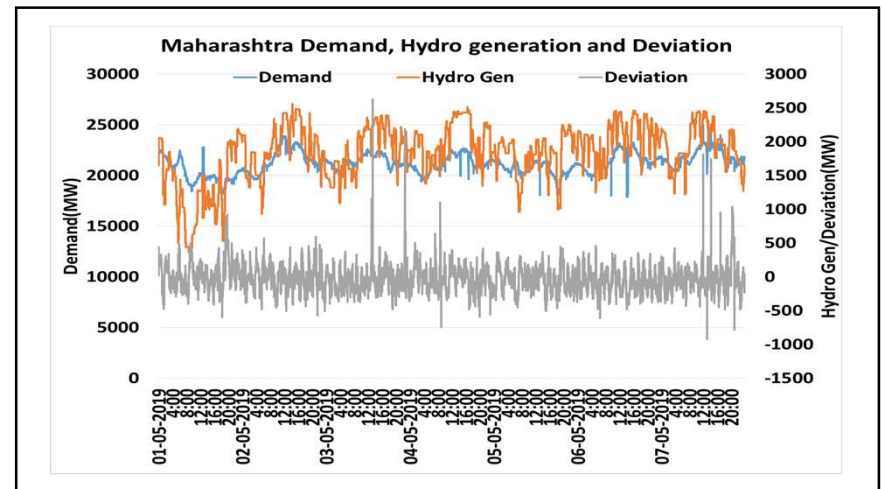
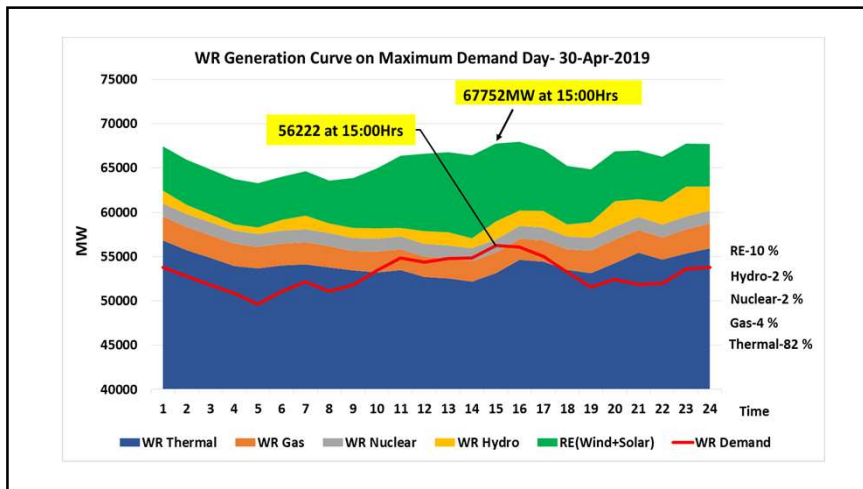
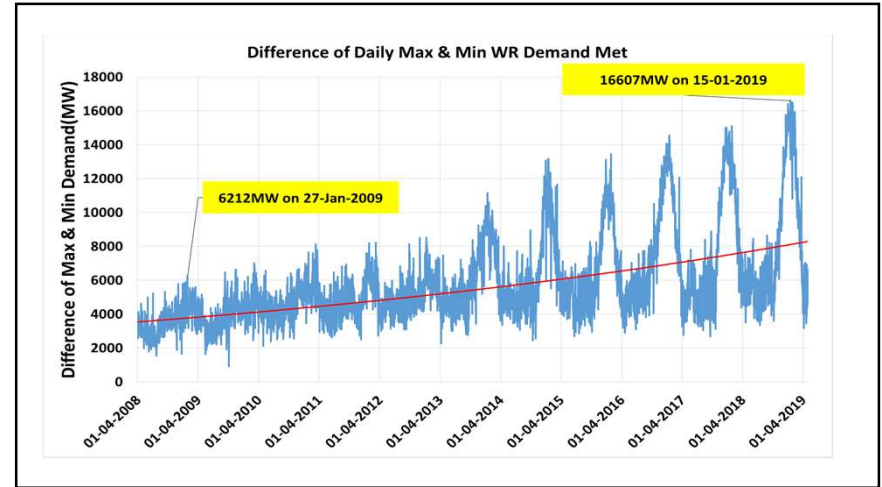
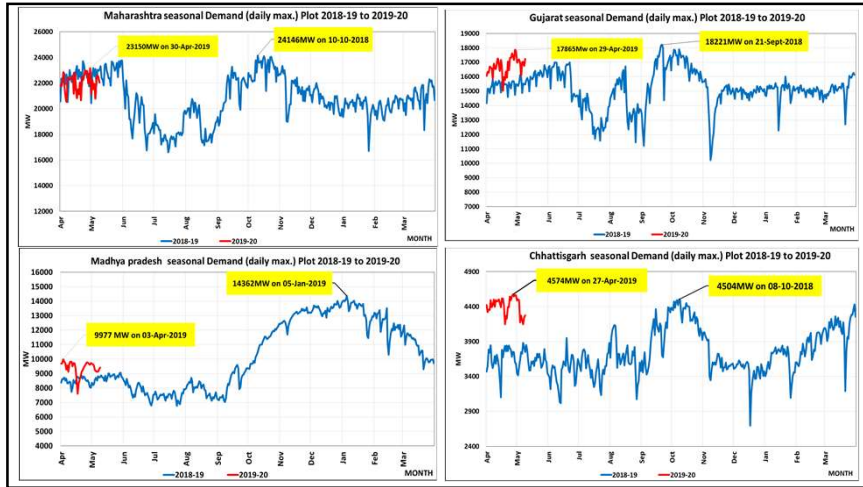


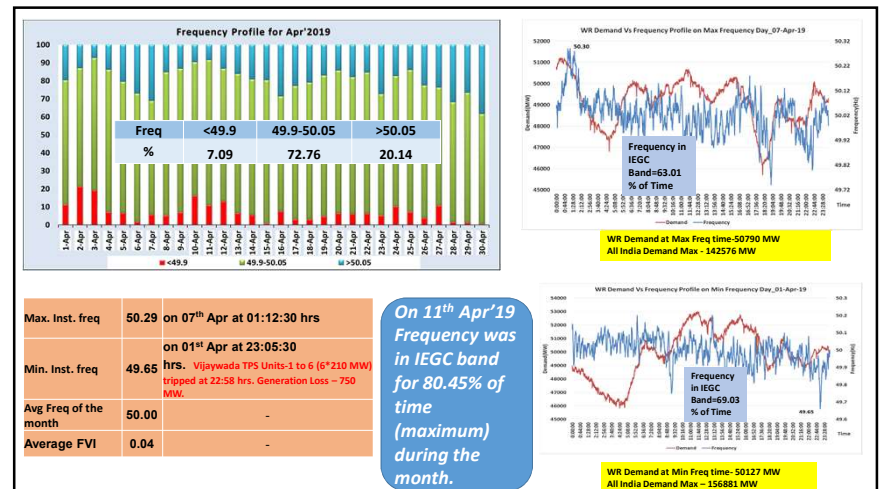
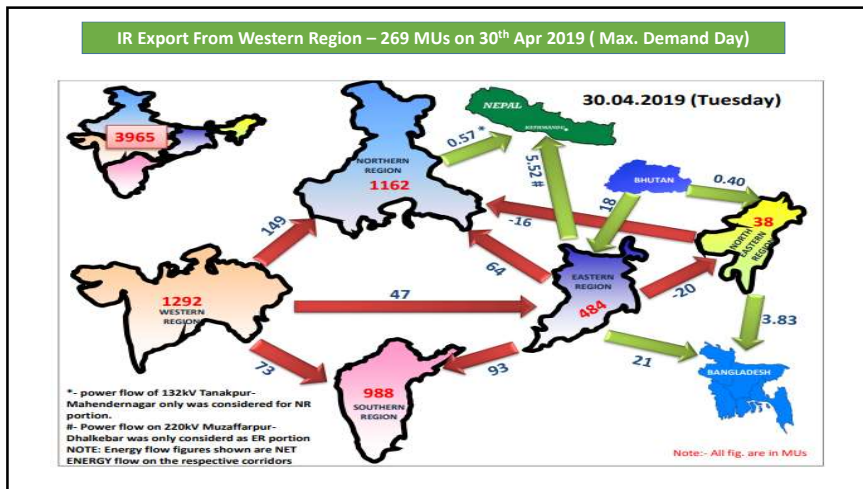
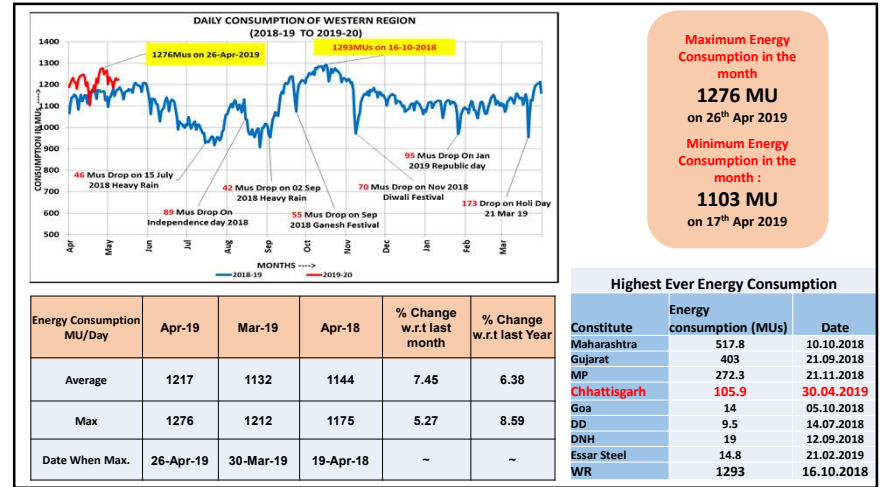
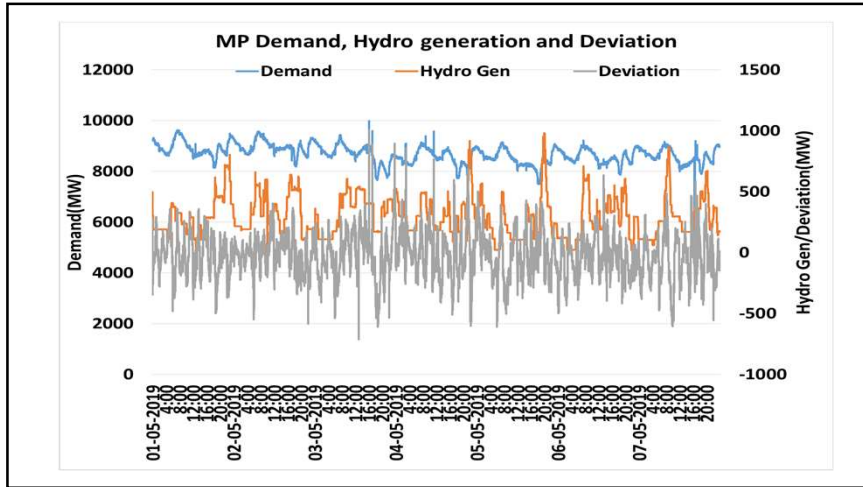
Madhya pradesh seasonal Demand (daily max.) Plot 2017-18 to 2018-19

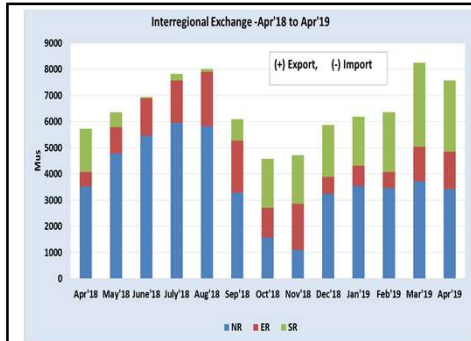


Chhattisgarh seasonal Demand (daily max.) Plot 2017-18 to 2018-19







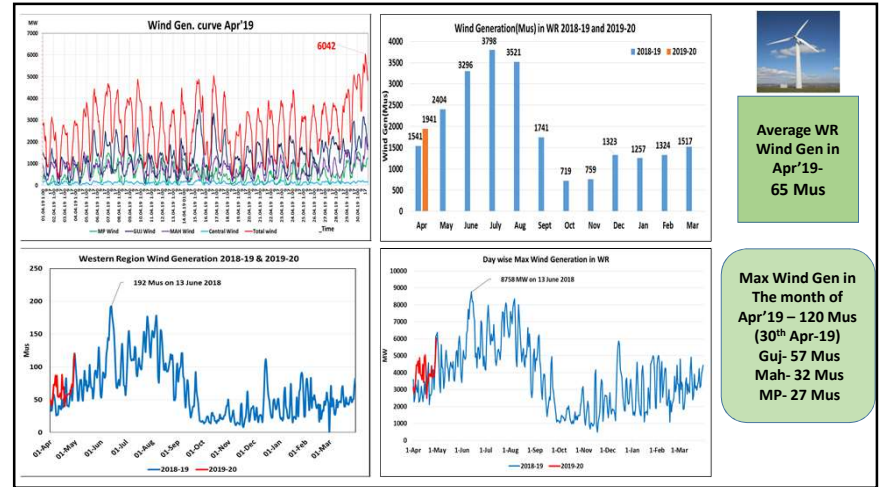


- Highest Ever Export – 14475MW on 12<sup>th</sup> July 2018
- Highest Energy Exported- 290 MUs on 18<sup>th</sup> July 2018
- Highest Energy Exported in 2017-18- 13502 MW (16<sup>th</sup> July 2017)

### Interregional Exchange – 2018-19 (in MUs)

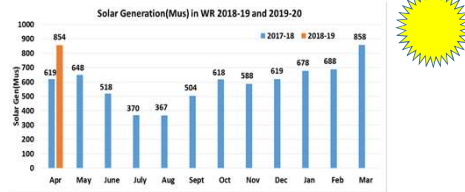
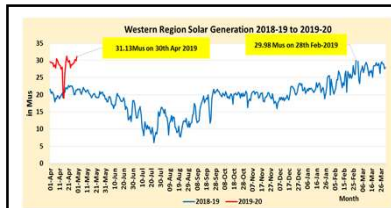
Month	NR	ER	SR	Net Export
Apr'18	3523	543	1659	5725
May'18	4788	1003	571	6362
June'18	5457	1439	43	6939
July'18	5793	1607	228	7627
Aug'18	5727	2089	88	7729
Sept'18	3285	1996	775	6056
Oct'18	1765	1099	1851	4715
Nov'18	1099	1765	1851	4715
Dec'18	3239	639	1985	5863
Jan'19	3542	821	1888	6251
Feb'19	3459	621	2272	6352
Mar'19	3708	1320	3223	8251
Apr'19	3428	1414	2734	7576

➤ Average Export in Apr'19 – 252 Mus/day



Average WR Wind Gen in Apr'19- 65 Mus

Max Wind Gen in The month of Apr'19 – 120 Mus (30<sup>th</sup> Apr-19)  
Guj- 57 Mus  
Mah- 32 Mus  
MP- 27 Mus

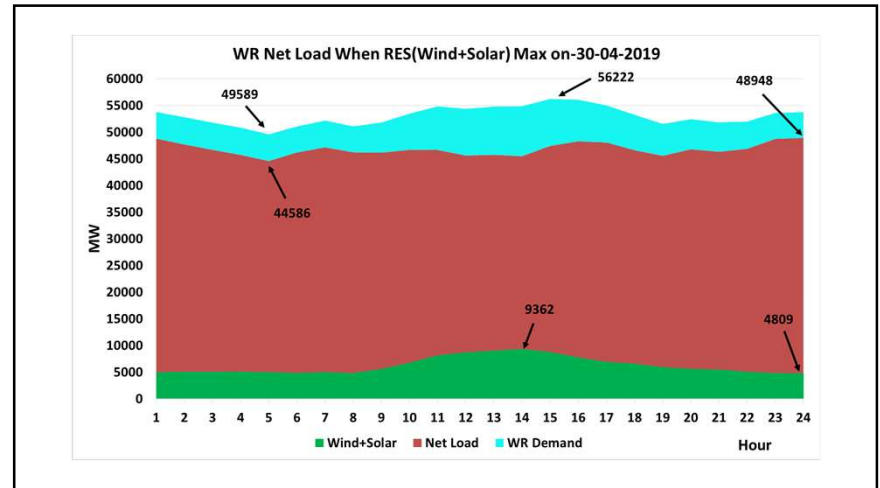


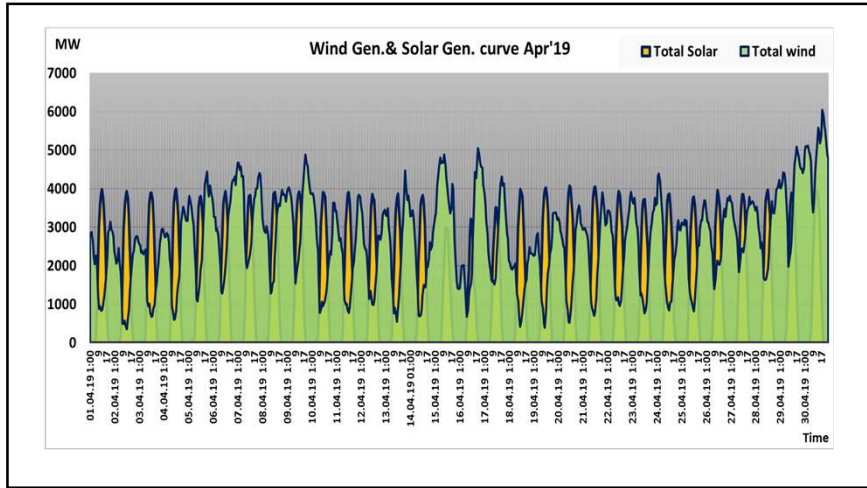
- WR Max Solar Generation on 08<sup>th</sup> May'19 4121MW
- Capacity of Solar Generation increased to 6162MW

### Highest Solar generation

State	Cap (MW)	Gen (in MW)	Date	Time
Gujarat	2148	1481	10.03.2019	12:00
Mah	1305	1114	23.02.2019	13:00
MP	1902	1120	17.02.2019	13:00
Chh	176	153	31.12.2018	12:00
Central	631	524	08.05.2019	13:00
WR	6162	4121	08.05.2019	13:00

Average WR Solar Gen in the month of Apr'19- 28 Mus/day





### New Elements Synchronized in April 2019

Generating Capacity Sync –

Sl. No.	Owner/ Location(Const.)	Station Name	Synchronized Capacity (MW)	Unit No.	Date of Synchronization	Date of COD
1	RUMS/MP	Rewa,Mahindra(Solar)	140.8	1	20-06-2018	05-04-2019(Date of Comissioning of additional 100MW Capacity)
2	NTPC/MP	Gadarwada NTPC	800	1	30-08-2018	30-04-2019

Transmission Lines-

Sl. No.	Owner/ Location(Const.)	Line Name	Ckt No.	KV	Date of Synchronization	Added Line Length (in Km)
1	GETCO/Gujarat	Ukai-Vav Ckt-2	LILO of Jhanor-Navsari-1 at Vav,Presently Jhanor-Navsari-1 interim arrangment as Ukai-Navsari and Jhanor-Kosamba	400	01-04-2019	
2	GETCO/Gujarat	Vav-Navsari Ckt-2		400	01-04-2019	20
3	OGPTL- Sterlite/Chhattisgarh(IR)	Jharsuguda(Sundergarh)-Raipur PS(Durg)	I	765	04-04-2019	305
4	OGPTL- Sterlite/Chhattisgarh(IR)	Jharsuguda(Sundergarh)-Raipur PS(Durg)	II	765	05-04-2019	305
5	PGCIL/Gujarat	Bhuj PS-Banaskantha	II	765	29-04-2019	289
Total						919

ICTs-

Sl. No.	Owner/ Location(Const.)	Station Name	ICT No	KV Ratio	Capacity (MVA)	Date
1	PGCILMP	Ramnagar	2	400/220	100	25-04-2019

Line Reactor - Nil

Bus Reactor - Nil

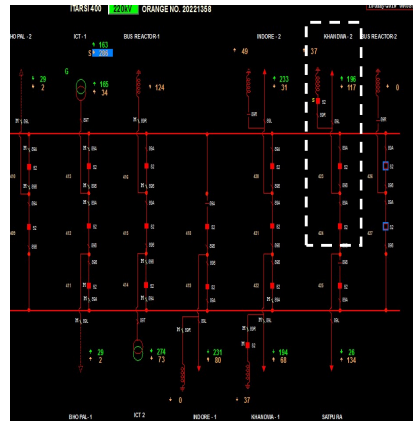
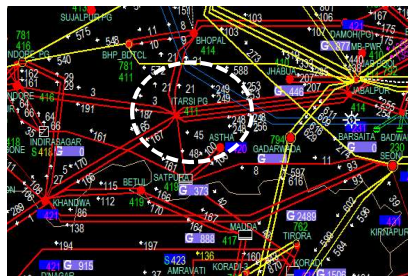
# Agenda

## 9.1 Outage of transmission elements beyond approved period

- **Outages on transmission elements are approved for stipulated time looking into grid conditions**
- **It is observed elements taken under planned/emergency outages are not being restored within the approved time**

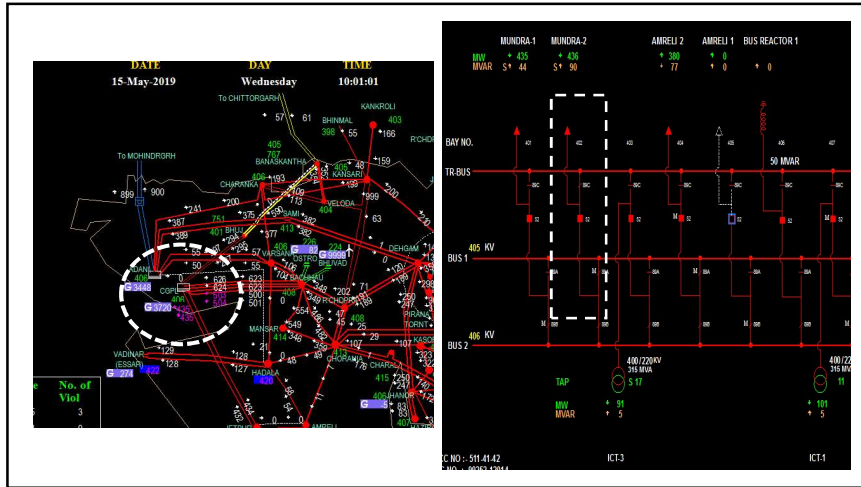
## 9.1 Outage of transmission elements beyond approved period

- Few such cases of the recent past are
  - On **22-04-2019, 17:00 Hrs**, Emergency outage on **main bay (bay 423) of Itarsi-Khandwa-2 at Itarsi end**
    - **Intimated restoration Date & Time:** 22-04-2019, 23:00 hrs
    - **Actual restoration Date & Time:** 29-04-2019, 10:00 hrs



## 9.1 Outage of transmission elements beyond approved period

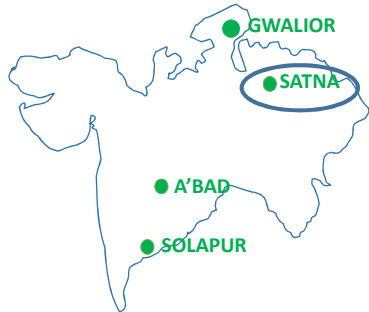
- Few such cases of the recent past are
  - On **06-04-2019, 10:17 Hrs**, planned outage on **on L/R of 400 kV CGPL-Jetpur-2 at Jetpur end**
    - **Intimated restoration Date & Time:** 14-04-2019, 17:00 hrs
    - **Actual restoration Date & Time:** 20-04-2019, 10:00 hrs



### 9.1 Outage of transmission elements beyond approved period

- **POWERGRID** may explain the reasons for extension of above outages beyond approved period.
- **All utilities** are requested to assess the duration of the outage considering all the aspects to avoid extension of outages.

### 9.2. Commissioning status of PMU at Satna for monitoring STATCOM



- **POWERGRID** May apprise
- **Commissioning status of PMU** despatched to Satna S/s ??
- **Telemetry voltage output of IVT** ??

### 9.3 Furnishing data regarding Low Voltage Ride Through(LVRT) compliance of Wind Turbine Generators under SLDC jurisdiction

As per Clause 4 of Recording of Proceeding (ROP) issued by CERC in petition no 237/MP/2017 along with I.A. No.11/2018 as under-

*"The Commission further directed the POSOCO to submit the States WTG-wise data containing (i) population of wind turbines as per models, make and voltage levels, and (ii) details of LVRT enabled, LVRT design supported and fitted to be enabled, LVRT design supported but to be fitted and LVRT to be retrofitted."*

### 9.3 Furnishing data regarding Low Voltage Ride Through(LVRT) compliance of Wind Turbine Generators under SLDC jurisdiction

The Status of the LVRT Compliance data received from SLDCs is as under-

SLDC	Wind Generation Installed Capacity(MW)	LVRT Compliance Details received for Capacity(MW)	% of Data Not received from SLDC
Gujarat	5784	4841	16%
Madhya Pradesh	2436	1494	39%
Maharashtra	4769	0	100%

SLDCs to forward the required data of all WTGs installed in their Jurisdiction at the earliest

### 9.4. Status of Wind/Solar data for Renewable Energy Management Centres (REMC)

The status of submission of downstream and upstream data by states are as follows

**Downstream (DS) data:** Gujarat submitted desired information for 123 stations out of 162 stations, Maharashtra submitted data for 62 stations out of 92 stations and MP submitted information for only 84 stations out of 129 stations.

**Upstream (US) data:** Gujarat submitted desired information for 67 stations out of 93 stations, Maharashtra submitted data for 39 stations out of 92 stations and MP submitted information for 39 stations out of 56 stations.

### 9.5. Repeated A/R and tripping of 400 kV Pune-Khargar and 400 kV Pune-Kalwa lines

- 23 No. of tripping and A/R successful case was observed in 400 kV Pune(PG)-Khargar and 400 kV Pune(PG)-Kalwa from 06-05-2019.
- In 400 kV Pune(PG)-Khargar, the fault distance is between 25 km and 30 km from Pune end.
- In 400 kV Pune(PG)-Kalwa, the fault distance is between 22 km and 29 km from Pune end

MSETCL may kindly intimate the actions taken to avoid these line tripping



## Outage Analysis for Apr'19 Calendar Month



**Commissioning of New Elements-Apr'19**

**Annexure 2.9**

**a)Generating Units**

Sl. No.	Owner/ Location(Const.)	Station Name	Capacity (MW)	Unit No.	Date of Synchronization	Date of COD
1	RUMS/MP	Rewa,Mahindra(Solar)	40.8+100	1	20/06/2018	05-04-2019(Date of Comissioning of additional 100MW Capacity)

**b)Transmission Lines**

Sl. No.	Owner/ Location(Const.)	Line Name	Ckt No.	KV	Date of Synchronization	Added Line Length (in Km)
1	GETCO/Gujarat	Ukai-Vav Ckt-2	LILO of Jhanor-Navsari-1 at Vav,Presently Jhanor-Navsari-1 interim arrangment as Ukai-	400	01/04/2019	20
2	GETCO/Gujarat	Vav-Navsari Ckt-2		400	01/04/2019	
3	OGPTL-Sterlite/Chhattisgarh(IR)	Jharsuguda(Sundergarh)-Raipur PS(Durg)	I	765	04/04/2019	305
4	OGPTL-Sterlite/Chhattisgarh(IR)	Jharsuguda(Sundergarh)-Raipur PS(Durg)	II	765	05/04/2019	305
<b>Total</b>						630

**c)ICTs**

Sl. No.	Owner/ Location(Const.)	Station Name	ICT No	KV Ratio	Capacity (MVA)	Date
1	RUMS/MP	Ramnagar Pahad, ACME	2	220/33	100	25/04/2019

**d)Line Reactor**

Sl. No.	Owner/ Location(Const.)	Station Name	Line Name	KV	Capacity (MVAR)	Date
NIL						

**e)Bus Reactor**

Sl. No.	Owner/ Location(Const.)	Station Name	B/R No	KV	Capacity (MVAR)	Date
1	NIL					

**f) Spare Elements Charged**

Sl. No.	Owner/ Location(Const.)	Station Name	Element	KV	Capacity (MVA/MVAR)	Date
1	PGCIL/Gujarat	Bhuj PS	Bhuj PS-Banaskantha II	765	110	29/04/2019

**g) FACTS Devices**

Sl. No.	Owner/ Location(Const.)	Station Name	Element	No	KV	Capacity (MVAR)	Date
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NIL

CENTRAL ELECTRICITY AUTHORITY  
FUEL MANAGEMENT DIVISION  
DAILY COAL STOCK REPORT

Annexure 2.11A

COAL STOCK POSITION FOR COAL LINKAGE BASED THERMAL POWER STATIONS IN THE COUNTRY

Region/State	Mode of Transport	Name of Thermal Power Station	Sector	Capacity (MW)	PLF % (Apr, 2019)	PLF % (Apr,18-Mar,19)	Normative Stock Reqd. (Days)	Requirement for the day (In '000 Tonnes')	Actual Stock				Critical(*)/Super Critical(**) as per Trigger level & other conditions	Reasons for critical coal stock/Remarks
									In '000 Tonnes'			In Days		
									Indigenous	Import	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Northern</b>														
<b>Haryana</b>														
1	RAIL	INDIRA GANDHI STPP	JV	1500	15.1	56.2	25	12.99	483.77	255.06	738.83	57		
2	RAIL	MAHATMA GANDHI TPS	P	1320	41.2	59.7	25	13.09	562.8	0	562.8	43		
3	RAIL	PANIPAT TPS	S	920	49.0	41.9	25	8.06	371.7	0	371.7	46		
4	RAIL	RAJIV GANDHI TPS	S	1200	0.0	36.6	25	10.88	677.08	0	677.08	62		
5	RAIL	YAMUNA NAGAR TPS	S	600	62.2	63.1	25	8.77	154.72	0	154.72	18		
<b>Punjab</b>														
6	RAIL	GH TPS (LEH.MOH.)	S	920	13.1	30.8	30	7.41	453.82	0	453.82	61		
7	RAIL	GOINDWAL SAHIB TPP	P	540	51.3	51.7	30	4.88	154.26	0	154.26	32		
8	RAIL	RAJPURA TPP	P	1400	60.0	74.4	30	13.63	401.68	21.25	422.93	31		
9	RAIL	ROPAR TPS	S	840	1.2	18.8	25	7.42	651.77	0	651.77	88		
10	RAIL	TALWANDI SABO TPP	P	1980	74.3	61.3	25	17.8	350.14	60.55	410.7	23		
<b>Rajasthan</b>														
11	RAIL	CHHABRA TPP	S	2320	79.8	83.2	30	15.01	91.94	0	100	7		
12	RAIL	KAWAI TPS	P	1320	78.6	65.7	30	17.54	48.62	0	48.62	3		CIL Supply 90% of prorata ACQ.
13	RAIL	KOTA TPS	S	1240	66.0	72.9	30	17.87	71.57	0	71.57	4	*	CIL Supply 67% of prorata ACQ.
14	RAIL	SURATGARH TPS	S	1500	24.2	54.6	30	16.19	305.36	0	305.36	19		
<b>Uttar Pradesh</b>														
15	PITHEAD	ANPARA C TPS	P	1200	73.6	78.3	15	15.33	235.55	0	235.55	15		
16	PITHEAD	ANPARA TPS	S	2630	88.9	87.3	15	33.73	628.75	0	628.75	19		
17	RAIL	BARKHERA TPS	P	90	0.0	18.9	25	1.26	9.23	0	9.23	7		
18	RAIL	DADRI (NCTPP)	C	1820	50.8	66.1	30	17.07	672.24	0	672.24	39		
19	RAIL	HARDUAGANJ TPS	S	605	61.4	59.3	25	6.22	101.35	0	101.35	16		
20	RAIL	KHAMBARKHERA TPS	P	90	0.0	17.9	30	1.25	5.81	0	5.81	5		Coal supply as per payment
21	RAIL	KUNDARKI TPS	P	90	2.6	25.8	30	1.21	11.55	0	11.55	10		
22	RAIL	LALITPUR TPS	P	1980	30.8	31.4	30	22.33	328.54	0	328.54	15		
23	RAIL	MAQSOODPUR TPS	P	90	0.0	17.9	30	1.26	6.95	0	6.95	6		Coal supply as per payment
24	RAIL	OBRA TPS	S	1094	38.6	38.1	20	10.99	219.87	0	219.87	20		
25	RAIL	PARICHHA TPS	S	1140	23.6	49.9	30	11.37	158.9	0	158.9	14		
26	RAIL	PRAYAGRAJ TPP	P	1980	45.0	44.8	25	19.24	189.88	0	189.88	10		
27	PITHEAD	RIHAND STPS	C	3000	94.6	86.3	15	36.23	543.38	0	543.38	15		
28	RAIL	ROSA TPP Ph-I	P	1200	69.7	41.3	25	12.75	394.52	0	394.52	31		
29	PITHEAD	SINGRAULI STPS	C	2000	88.5	84.5	15	28.77	525.13	0	525.13	18		
30	RAIL	TANDA TPS	C	440	68.3	61.5	25	3.73	369.57	0	369.57	99		
31	RAIL	UNCHAHAHAR TPS	C	1550	63.7	71.5	25	17.14	650.27	0	650.27	38		
32	RAIL	UTRAULA TPS	P	90	0.0	24.9	30	1.25	6.7	0	6.7	5		Coal supply as per payment
<b>Total of Northern Region</b>				<b>38689</b>			<b>24</b>	<b>412.67</b>	<b>9837.42</b>	<b>336.86</b>	<b>10182.35</b>	<b>25</b>	<b>1</b>	

Region/State	Mode of Transport	Name of Thermal Power Station	Sector	Capacity (MW)	PLF % (Apr, 2019)	PLF % (Apr.18-Mar,19)	Normative Stock Req'd. (Days)	Requirement for the day (In '000 Tonnes')	Actual Stock				Critical(*)/Super Critical(**) as per Trigger level & other conditions	Reasons for critical coal stock/Remarks	
									In '000 Tonnes'			In Days			
									Indigenous	Import	Total				
<b>Western</b>															
<b>Chhatisgarh</b>															
33	RAIL	AKALTARA TPS	P	1800	71.5	50.2	15	20.44	78.18	2.63	80.81	4		Coal supply as per payment	
34	RAIL	BALCO TPS	P	600	58.9	52.7	15	6.27	17.86	0	17.86	3		CIL Supply 93% of prorata ACQ.	
35	ROAD	BANDAKHAR TPP	P	300	96.7	81.3	15	4.75	62	0	62	13			
36	RAIL	BARADARHA TPS	P	1200	67.5	64.0	15	15.99	129.59	0	129.59	8			
37	RAIL	BHILAI TPS	JV	500	65.5	78.3	20	6.83	125.25	0	125.25	18			
38	RAIL	BINJKOTE TPP	P	600	42.8	27.9	20	10	20.71	0	20.71	2		New Plant	
39	RAIL	DSPM TPS	S	500	92.9	87.4	15	7.01	64.23	0	64.23	9			
40	PITHEAD	KORBA-II	S	440	35.8	40.0	15	5.62	57.59	0	57.59	10			
41	PITHEAD	KORBA STPS	C	2600	92.6	88.2	15	42.69	143.59	0	143.59	3		CIL supply to NTPC 98 % of prorata ACQ	
42	PITHEAD	KORBA-WEST TPS	S	1340	73.3	80.7	15	18.14	402.79	0	402.79	22			
43	RAIL	MARWA TPS	S	1000	65.8	73.2	15	8.59	228.6	0	228.6	27			
44	RAIL	NAWAPARA TPP	P	600	75.2	58.9	15	6.37	66.64	0	66.64	10			
45	RAIL	PATHADI TPP	P	600	66.6	81.7	15	8.84	9.96	0	9.96	1		CIL Supply 83% of prorata ACQ.	
46	PITHEAD	SIPAT STPS	C	2980	97.2	91.6	15	35.26	229.91	0	229.91	7			
47	RAIL	TAMNAR TPP	P	2400	38.4	39.5	20	24.33	11.82	0	11.82	0		CIL Supply 87% of prorata ACQ.	
48	RAIL	UCHPINDA TPP	P	1440	19.7	20.3	15	12.36	19.06	0	19.06	2		CIL Supply 75% of prorata ACQ.	
<b>Gujarat</b>															
49	RAIL	GANDHI NAGAR TPS	S	630	70.5	67.1	30	8.18	353.87	22.79	376.66	46			
50	RAIL	SABARMATI (C STATION)	P	422	79.5	75.4	30	4.61	57.85	49.89	107.74	18			
51	RAIL	UKAI TPS	S	1110	87.2	71.3	30	15.32	220.46	10.53	230.99	15			
52	RAIL	WANAKBORI TPS	S	1470	67.6	64.8	30	18.08	761.2	21.6	782.8	43			
<b>Madhya Pradesh</b>															
53	PITHEAD	AMARKANTAK EXT TPS	S	210	100.4	88.9	15	2.7	17.81	0	17.81	7			
54	RAIL	ANUPPUR TPP	P	1200	70.9	63.5	25	17.29	63	0	63	4		CIL Supply 75% of prorata ACQ.	
55	RAIL	BINA TPS	P	500	64.9	57.2	25	5.98	144.14	0	144.14	24			
56	RAIL	SANJAY GANDHI TPS	S	1340	76.8	74.0	20	15.93	45.78	0	45.78	3		CIL supply to MPPGCL 90% prorata ACQ	
57	RAIL	SATPURA TPS	S	1330	64.4	64.1	20	12.45	99.28	0	99.28	8			
58	RAIL	SEIONI TPP	P	600	54.9	47.6	20	6.26	9.37	0	9.37	1		CIL Supply 86% of prorata ACQ.	
59	RAIL	SHREE SINGAJI TPP	S	2520	63.8	60.7	20	21.92	140.77	0	140.77	6		CIL supply to MPPGCL 90% prorata ACQ	
60	PITHEAD	VINDHYACHAL STPS	C	4760	90.7	90.0	15	63.82	955.75	0	955.75	15			
<b>Maharashtra</b>															
61	RAIL	AMARAVATI TPS	P	1350	33.0	34.5	20	17.68	443.42	20.32	463.74	26			
62	RAIL	BHUSAWAL TPS	S	1210	73.0	62.3	20	13.74	232.58	35.35	267.93	20			
63	RAIL	BUTIBORI TPP	P	600	0.0	42.1	20	4.95	59.73	0	59.73	12			
64	RAIL	CHANDRAPUR(MAHARASHTRA) STPS	S	2920	72.6	62.0	20	43.7	341.52	130.87	472.39	11			
65	RAIL	DAHANU TPS	P	500	85.4	82.6	25	5.82	273.25	170.9	444.15	59			
66	RAIL	DHARIWAL TPP	P	600	77.0	61.4	20	7.3	62.59	0	62.59	9			
67	RAIL	GMR WARORA TPS	P	600	86.5	74.1	20	9.05	15.65	0	15.65	2	**	CIL Supply 68% of prorata ACQ.	
68	RAIL	KHAPARKHEDA TPS	S	1340	74.0	63.7	25	19.53	77.68	0	77.68	4		CIL and SCCL Supply to MAHAGENCO 91% prorata ACQ	
69	RAIL	KORADI TPS	S	2400	46.5	40.1	25	23.28	129.91	15.15	145.06	6		CIL and SCCL Supply to MAHAGENCO 91% prorata ACQ	
70	RAIL	MAUDA TPS	C	2320	68.6	58.5	20	27.41	464.42	142.79	607.21	22			
71	RAIL	NASIK TPS	S	630	55.7	42.0	25	9.33	41.7	0	41.7	4		CIL and SCCL Supply to MAHAGENCO 91% prorata ACQ	
72	RAIL	PARAS TPS	S	500	96.8	60.0	25	7.83	71.84	0	71.84	9			
73	RAIL	PARLI TPS	S	1170	18.5	27.7	25	11.23	252.16	0	252.16	22			
74	RAIL	SOLAPUR	C	1320	0.0	30.9	25	11.33	314.46	168.34	482.8	43			
75	RAIL	TIRORA TPS	P	3300	89.0	75.0	20	43.31	477.92	0	477.92	11			
76	ROAD	WARDHA WARORA TPP	P	540	0.0	22.3	20	5.21	40.64	0	40.64	8			
<b>Total of Western Region</b>					56292			20	686.73	7836.53	791.16	8627.69	13	1	

Region/State	Mode of Transport	Name of Thermal Power Station	Sector	Capacity (MW)	PLF % (Apr, 2019)	PLF % (Apr.18-Mar,19)	Normative Stock Req'd. (Days)	Requirement for the day (In '000 Tonnes')	Actual Stock				Critical(*)/Super Critical(**) as per Trigger level & other conditions	Reasons for critical coal stock/Remarks
									In '000 Tonnes'			In Days		
									Indigenous	Import	Total			
<b>Southern</b>														
<b>Andhra Pradesh</b>														
77	RAIL	DAMODARAM SANJEEVAIAH TPS	S	1600	61.0	49.6	20	15.29	0	3.49	3.49	0		CIL Supply 100% of prorata ACQ.
78	RAIL	Dr. N.TATA RAO TPS	S	1760	82.3	70.6	20	26.84	292.62	0	292.62	11		
79	RAIL	PAINAMPURAM TPP	P	1320	83.9	72.3	20	17.46	128.99	23.14	152.13	9		
80	RAIL	RAYALASEEMA TPS	S	1650	58.8	45.9	25	20.86	52.43	0	52.43	3		CIL Supply 88% of prorata ACQ.
81	RAIL	SIMHADRI	C	2000	69.6	71.1	25	19.38	525.36	17.53	542.89	28		
82	RAIL	VIZAG TPP	P	1040	40.8	10.4	25	10.8	30.66	0	30.66	3		Supply kept in abeyance by MCL due to APERC order dated 31.01.2018
<b>Karnataka</b>														
83	RAIL	BELLARY TPS	S	1700	39.0	27.3	30	13.73	64.13	0	64.13	5		SCCL Supply 93.75% of ACQ
84	RAIL	KUDGI STPP	C	2400	41.4	40.1	30	18.69	282.3	65.83	348.13	19		
85	RAIL	RAICHUR TPS	S	1720	92.0	59.2	30	19.7	36.82	0	36.82	2		Coal supply as per payment
86	RAIL	YERMARUS TPP	S	1600	0.0	5.6	30	13.66	51.64	0	51.64	4		Plant under Shutdown
<b>Tamil Nadu</b>														
87	INTER MODAL	METTUR TPS	S	840	89.4	71.0	30	12.32	132.01	30.29	162.3	13		
88	INTER MODAL	METTUR TPS - II	S	600	82.2	71.0	30	7.86	125.74	29.04	154.78	20		
89	INTER MODAL	NORTH CHENNAI TPS	S	1830	80.1	66.8	30	22.72	55.88	10.69	66.57	3		CIL Supply to TANGEDCO 85% prorata ACQ
90	RAIL	TUTICORIN (JV) TPP	JV	1000	36.7	62.6	30	8.61	194.87	0	194.87	23		
91	INTER MODAL	TUTICORIN TPS	S	1050	82.5	68.6	30	15.42	245.27	0	245.27	16		
92	INTER MODAL	VALLUR TPP	JV	1500	57.8	58.5	30	14.88	396.29	0	396.29	27		
<b>Telangana</b>														
93	PITHEAD	KAKATIYA TPS	S	1100	93.2	80.2	15	13.66	152.59	0	152.59	11		
94	RAIL	KOTHAGUDEM TPS	S	420	71.9	43.6	20	6.38	257.86	0	257.86	40		
95	RAIL	KOTHAGUDEM TPS (NEW)	S	1000	95.0	87.3	20	14.46	220.71	0	220.71	15		
96	RAIL	KOTHAGUDEM TPS (STAGE-7)	S	800	84.8	87.3	20	10.01	116.67	0	116.67	12		
97	PITHEAD	RAMAGUNDEM STPS	C	2600	84.3	81.4	15	29.64	756.94	0	756.94	26		
98	RAIL	SINGARENI TPP	S	1200	94.1	82.7	15	15.24	255.13	0	255.13	17		
<b>Total of Southern Region</b>														
				30730			25	347.61	4374.91	180.01	4554.92	13	0	
<b>Eastern</b>														
<b>Bihar</b>														
99	RAIL	BARH II	C	1320	90.6	85.1	20	14.32	872.61	0	872.61	61		
100	PITHEAD	KAHALGAON TPS	C	2340	73.8	80.4	15	37.39	606.34	0	606.34	16		
101	RAIL	MUZAFFARPUR TPS	JV	610	73.6	56.9	20	8.88	68.6	0	68.6	8		
102	RAIL	NABI NAGAR TPP	JV	750	74.2	60.2	20	8.17	80.65	0	80.65	10		
<b>Jharkhand</b>														
103	RAIL	BOKARO 'B' TPS	C	710	59.8	58.1	20	5.11	128.36	0	128.36	25		
104	RAIL	CHANDRAPURA(DVC) TPS	C	630	72.8	64.5	20	7.5	403.16	0	403.16	54		
105	RAIL	KODARMA TPP	C	1000	88.0	71.7	20	13.17	78.87	0	78.87	6		CIL supply to DVC is 103 % of prorata ACQ
106	RAIL	MAITHON RB TPP	JV	1050	82.4	79.0	20	10.41	272.95	1.85	274.8	26		
107	ROAD	TENUGHAT TPS	S	420	63.4	45.8	20	4.05	60.94	0	60.94	15		
<b>Odisha</b>														
108	RAIL	DERANG TPP	P	1200	43.2	39.7	20	12.94	569.55	0	569.55	44		
109	PITHEAD	IB VALLEY TPS	S	420	91.2	83.9	15	7.44	98.12	0	98.12	13		
110	RAIL	KAMALANGA TPS	P	1050	81.2	72.8	20	12.32	340.29	0.41	340.7	28		
111	PITHEAD	TALCHER (OLD) TPS	C	460	99.0	89.5	15	9.14	147.18	0	147.18	16		
112	PITHEAD	TALCHER STPS	C	3000	88.9	80.8	15	48.24	52.96	0	52.96	1		CIL supply to NTPC 98 % of prorata ACQ

Region/State	Mode of Transport	Name of Thermal Power Station	Sector	Capacity (MW)	PLF % (Apr, 2019)	PLF % (Apr.18-Mar,19)	Normative Stock Req'd. (Days)	Requirement for the day (In '000 Tonnes')	Actual Stock			Critical(*)/Super Critical(**) as per Trigger level & other conditions	Reasons for critical coal stock/Remarks	
									In '000 Tonnes'					In Days
									Indigenous	Import	Total			
<b>West Bengal</b>														
113	RAIL	BAKRESWAR TPS	S	1050	97.1	78.1	20	14.98	134.68	0	134.68	9		
114	RAIL	BANDEL TPS	S	330	39.7	44.2	20	3.46	155.12	0	155.12	45		
115	RAIL	BUDGE BUDGE TPS	P	750	93.5	91.5	20	10.29	235.61	0	235.61	23		
116	RAIL	D.P.L. TPS	S	660	59.1	42.2	25	6.07	28.04	0	28.04	5	CIL supply is 98 % of prorata ACQ	
117	RAIL	DURGAPUR STEEL TPS	C	1000	78.5	71.9	20	13.29	225.33	0	225.33	17		
118	RAIL	DURGAPUR TPS	C	210	22.4	53.4	20	1.92	140.46	0	140.46	73		
119	PITHEAD	FARAKKA STPS	C	2100	74.9	80.7	15	31.81	127.19	0	127.19	4	CIL supply to NTPC 98 % of prorata ACQ	
120	RAIL	HALDIA TPP	P	600	81.5	87.8	20	8.32	99.3	0	99.3	12		
121	RAIL	KOLAGHAT TPS	S	1260	40.0	40.1	25	13.12	188	0	188	14		
122	RAIL	MEJIA TPS	C	2340	74.1	62.2	20	28.67	261.81	0	261.81	9		
123	RAIL	RAGHUNATHPUR TPP	C	1200	59.9	30.5	15	9.88	74.92	0	74.92	8		
124	RAIL	SAGARDIGHI TPS	S	1600	52.4	49.9	20	14.3	103.81	0	103.81	7		
125	RAIL	SANTALDIH TPS	S	500	90.8	81.1	20	6.2	192.9	0	192.9	31		
126	RAIL	SOUTHERN REPL. TPS	P	135	46.3	24.0	20	1.26	20.94	0	20.94	17		
127	RAIL	TITAGARH TPS	P	240	0.0	0.0	20	2.06	14.02	0	14.02	7		
<b>Total of Eastern Region</b>				28935			19	364.71	5782.71	2.26	5784.97	16	0	
<b>North Eastern</b>														
<b>Assam</b>														
128	RAIL	BONGAIGAON TPP	C	750	64.7	64.4	20	5.56	225.71	3.95	229.66	41		
<b>Total of North Eastern Region</b>				750			20	5.56	225.71	3.95	229.66	41	0	
<b>Region-wise/All India total</b>				155396			22	1817.28	28057.28	1314.24	29379.59	16	2	

As per trigger level and other conditions	
<b>Pithead Plants</b>	
(*) No. of plants with Critical Stock (<5 Days)	0
(**) No. of plants with Super Critical Stock (<3 Days)	0
<b>Non-Pithead</b>	
(*) No. of plants with Critical Stock (<7 Days)	1
(**) No. of plants with Super Critical Stock (<4 Days)	1
<b>Total</b>	<b>2</b>

Mode	No. of Plants	Capacity (MW)	Daily Req ('000 T)	Total Stock ('000 T)	Total Stock (in Days)
Pithead	17	33180	459.6	5681.6	12
Non-Pithead	111	122216	1357.7	23698.0	17
<b>TOTAL</b>	<b>128</b>	<b>155396</b>	<b>1817.3</b>	<b>29379.6</b>	<b>16</b>

**NOTE:**

(i) Power Plants having less coal stock due to outstanding dues/ supply more than committed quantity/ not lifting offered coal/Bridge linkage/New Linkage are not shown as having critical /supercritical coal stock.

(ii) Daily coal requirement is based on the maximum of the requirement for average actual consumption of the plant for last 7 days or requirement for installed capacity of plant at 55%PLF.

C:Central Sector; S: State Sector; P: Private Sector; JV: Joint Venture

						ANNEXURE 3.1
DETAILS OF PROPOSED MAINTENANCE PROGRAM OF GENERATING UNITS DURING May 2019 & June 2019						
S. No.	Unit	No.	Capacity	Outage Plan		Reason
			(MW)	From	To	
<b>1</b>	<b>GUJARAT</b>					
1.1	WTPS	2	210	16-Jun-19	07-Jul-19	AOH
<b>2</b>	<b>MADHYAPRADESH</b>					
2.1	Satpura	9	210	01-Jun-19	25-Jun-19	AOH
2.2	Sanjay Gandhi	1	210	15-Jun-19	15-Jul-19	AOH
2.3	ISP	5	125	01-Jun-19	15-Jun-19	AOH
2.4	ISP	6	125	16-Jun-19	30-Jun-19	AOH
2.5	OSP	5	125	01-Jun-19	15-Jun-19	AOH
2.6	OSP	6	125	16-Jun-19	30-Jun-19	AOH
2.7	Singhaji	1	600	01-Jun-19	20-Jul-19	COH
2.8	JP BINA	1	250	15-Jun-19	19-Jul-19	COH
<b>3</b>	<b>CHHATTISHGARH</b>					
3.1	DSPM	2	250	28/06/2019	07/08/2019	AOH
<b>4</b>	<b>MAHARASHTRA</b>					
4.1	KORADI	8	660	10-Jul-19	08-Aug-19	AOH
4.2	Khaparkheda	2	210	01-Jul-19	25-Jul-19	AOH
4.3	Nasik	4	210	01-Jul-19	26-Jul-19	AOH
4.4	RIPL	2	270	15-Jul-19	31-Jul-19	AOH
4.5	APML	4	660	01-Jul-19	25-Jul-19	AOH
<b>5</b>	<b>Central Sector and IPPs</b>					
5.1	Vindhyachal	7	500	15-Jun-19	04-Aug-19	AOH+Boiler modification
5.2	Jhanor GT#3	3	144.3	14-Jun-19	08-Jul-19	C inspection
5.3	Jhanor WHRB #3	3		21-Jul-19	23-Jul-19	Annual Hydro test
5.4	SSP-RBPH Unit	4	200	03-Jun-19	15-Jun-19	For TOSHMAP upgradation work.
5.5	SSP-RBPH Unit	5	200	10-Jun-19	22-Jun-19	For TOSHMAP upgradation work.
5.6	SSP-RBPH Unit	6	200	17-Jun-19	29-Jun-19	For TOSHMAP upgradation work.
5.7	SSP-RBPH Unit	2	200	16-May-19	03-Jun-19	For TOSHMAP upgradation work.
5.8	SSP-RBPH Unit	3	200	21-May-19	08-Jun-19	For TOSHMAP upgradation work.
5.9	CGPL	50	830	15-Jun-19	14-Aug-19	HPH replacement and Unit COH
5.10	Sasan	3	660	25-Jun-19	04-Aug-19	AOH
5.11	APL	3	330	25-Jul-19	18-Aug-19	AOH & Boiler license renewal
5.12	APL	7	660	20-May-19	19-Jun-19	AOH

**Transmission element outage programme for June 2019**

**Annexure 3.2**

Sr. No	Line / Element	From		To		Basis	Reason	System	Agency	Type	
		Date	Time	Date	Time						
1	500	CHANDRAPUR - PADGHE HVDC POLE 2	01/Jun/19	06:00	01/Jun/19	18:00	Daily	Erection and Dismantling of 3 nos. of Towers & Stringing Of Conductor (5 span) Of 33KV Chandrapur-Chincholi Earth Line maintenance work	MSETCL	MSETCL	500KV HVDC Pole-1 Line is
2	400	400 kV Kasor-SSP line (400 kV Asoj - Chorania line No. 1 and 400KV Asoj - SSP line auto reclose will remain out.)	01/Jun/19	7:00	01/Jun/19	17:00	Daily	Line maintenance work	GETCO	GETCO	
3	220	202, 220kV ICT-1 bay at Bhachau , ICT -1 will be in service through TBC.	01/Jun/19	8:00	01/Jun/19	11:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
4	400	400 kV Bus- 1 Jetpur	01/Jun/19	8:00	01/Jun/19	18:00	Daily	Maintenance Work and PT Tan Delta	GETCO	GETCO	
5	400	NAGOTHANE - DABHOL 1	01/Jun/19	08:00	01/Jun/19	18:00	Daily	Cold washing & Hill Cutting Work	MSETCL	MSETCL	Load can be managed on
6	765	MAIN BAY - 701 OF 765/400KV 1500MVA ICT-1 @ KORADI 3	01/Jun/19	09:00	01/Jun/19	14:00	Daily	SF6 Gas Analysis of breaker	MEGPTCL	MEGPTCL	SF6 Gas Analysis of
7	220	Vapi-magarwada ckt I	01/Jun/19	9:00	01/Jun/19	14:00	Daily	AMP works of 220KV bay	PGCIL	DD	R
8	765KV	BUS REACTOR_765kv_240MVAR_CHAMPA	01/Jun/19	9:00	01/Jun/19	17:30	Daily	For Spare Bus Reactor Changeover	WRTS-I	WRTS-I	R
9	765	765kv WARORA(PWTL)-PARLI (PPTL)-II	01/Jun/19	9:00	01/Jun/19	17:30	Daily	1) For Line AMP works 2) Ckt-1 A/R to be kept in N/A mode & Dia to be kept open at Isolation of 50 MVAR line reactor for maintenance	PPTL	PWTL	R
10	400	400 kV Mahan - Bilaspur II	01/Jun/19	9:00	01/Jun/19	18:00	Daily	FOR AMP WORK	EPTCL	EPTCL	R
11	400/220	ICT1_400/220kv_SEONI	01/Jun/19	9:00	01/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
12	400	Bina-Bina-1 Main bay at 400 KV MPPTCL Bina	01/Jun/19	9:00	01/Jun/19	18:00	Daily	For AMP work.	POWERGRID	WR-II	R
13	765	765KV Jabalpur-Gadarwara Line# 1 at pooling station,Jabalpur, A/R OFF of circuit-2 & dia to be kept open at both ends.	01/Jun/19	9:00	01/Jun/19	18:00	Daily	AMP Works	POWERGRID	WR-II	R
14	765	765kv Sasan-Satna#2 line at Satna, dia to be kept open at both ends	01/Jun/19	9:00	01/Jun/19	18:00	Daily	For erection of BPI in phase where W/T is not present	POWERGRID	WR-II	R
15	220	203, 220kV ICT-2 bay at Bhachau , ICT-2 will be inservice through TBC.	01/Jun/19	11:30	01/Jun/19	14:30	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
16	220	205, 220kV Morbi line bay at Bhachau, line will be inservice through TBC.	01/Jun/19	15:00	01/Jun/19	18:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
17	400	A/R off on 400kV Korba-Bhilai I	01/Jun/19	9:00	02/Jun/19	14:00	Daily	A/R keep on Non Auto mode required for PID work under NTPC plant towers. Line will remian in service.	WRTS-I	WRTS-I	R
18	765	765/400 kV ICT # 1 at Bhuj SS, dia to be kept open on both sides.	01/Jun/19	9:00	02/Jun/19	18:00	Daily	RTV Coating	POWERGRID	WR-II	C
19	400	A/R off on 400kV Korba-Bhilai II	01/Jun/19	14:00	02/Jun/19	19:00	Daily	A/R keep on Non Auto mode required for PID work under NTPC plant towers. Line will remian in service.	WRTS-I	WRTS-I	R
20	400	Busbar-I, 400 KV Mauda - Betul Line ckt# 01 with Reactor, 400 KV Betul - Khadwa Line ckt #02 with Reactor, Bay 410, 410R, 400KV Indore-ISP-II reactor at 400KV S/s Indore	01/Jun/19	18:00	02/Jun/19	18:00	Cont.	400 KV Online PDM (Partial Dis-charge Measurement) system upgradation on urgent basis	POWERGRID	WR-II	R
21	400	400KV Indore-ISP-II reactor at 400KV S/s Indore	01/Jun/19	9:00	03/Jun/19	18:00	C	For replacement of Line Isolator of 400KV ISP-II Reactor, Line will be kept OFF.	MP_SLDC	MP_SLDC	R
22	400	402, Tie bay of BR#1 and Gandhar#1 at Dehgam	01/Jun/19	8:00	08/Jun/19	18:00	Cont.	Breaker retrofiting	POWERGRID	WR-II	R
23	765	MAIN BAY (703) BUS REACTOR @ AKOLA 2	01/Jun/19	09:00	09/Jun/19	14:00	Daily	Installation of CBS Lite in breakers.	MEGPTCL	MEGPTCL	Installation of CBS Lite in
24	400	DHULE - - BABLESHWAR - I & II	01/Jun/19	08:00	10/Jun/19	18:00	Daily	PID testing work	MSETCL	MSETCL	only AR required out of C
25	400	A/R OFF of 400KV Mundra-Jetpur-1 by ULDC	01/Jun/19	7:00	30/Jun/19	18:00	Daily	For live line OPGW Works	POWERGRID	WR-II	R
26	400	A/R OFF of 400KV Bhinmal- Zerda	01/Jun/19	7:00	30/Jun/19	19:00	Daily	For live line OPGW Works	POWERGRID	NR-I	R
27	765	765kv S/C Dhule- Aurangabad Line(with main and tie bays)	01/Jun/19	7:00	30/Jun/19	19:00	Continuous	For Location 498-499 tower modification work for new flyover construction on NH 211	BDTCL	BDTCL	C
28	400	PARLI - SOLAPUR (LAMBOTI)	01/Jun/19	08:00	30/Jun/19	18:00	Daily	PID Testing work for line Insulator strings at various locations.	MSETCL	MSETCL	Auto-Reclose function to be R
29	400	A/R off 400kV Korba-Mahan	01/Jun/19	8:00	30/Jun/19	18:00	Daily	A/R keep on Non Auto mode required for PID work. Line will remian in service.	WRTS-1	WRTS-1	R
30	500KV	HVDC Mundra-Mahendragarth Line -1	01/Jun/19	8:00	30/Jun/19	19:00	Daily	Hotline permit issue for hot line washing work	ATIL	ATIL	Routine
31	500KV	HVDC Mundra-Mahendragarth Line -2	01/Jun/19	8:00	30/Jun/19	19:00	Daily	Hotline permit issue for hot line washing work	ATIL	ATIL	Routine
32	220	206 of Barjedi-1 at Pirana	01/Jun/19	9:00	30/Jun/19	18:00	Cont.	Bay to be kept out till the commissioning of Barjedi lines in view of bay equipment heathiness.	POWERGRID	WR-II	R
33	220	208 of Barjedi-2 at Pirana	01/Jun/19	9:00	30/Jun/19	18:00	Cont.	Bay to be kept out till the commissioning of Barjedi lines in view of bay equipment heathiness.	POWERGRID	WR-II	R
34		400kV Sundargarh-Raigarh Ckt#1	01/Jun/19	7:00:00	01/Jun/19	17:00:00	ODB	For PID Testing of Porcelain Insulator. Only Auto reclose relay will be off. Line will be in service.	ERPC	ER-II/Odisha	
35	400	BUS - 1 @ NEW KOYNA	02/Jun/19	08:00	02/Jun/19	18:00	Daily	Cold washing & Routine maint. Work	MSETCL	MSETCL	Main Bus-II will be in R
36	220	220kV Bus-2 (All feeders/ICTs will remain charged through Bus-1) at Bhachau	02/Jun/19	8:00	02/Jun/19	18:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
37	500	CHANDRAPUR - PADGHA POLE 1 & 2	02/Jun/19	05:00	02/Jun/19	22:00	Daily	Emergency Replacement of Bent 2D <sub>2</sub> leg of tower loc. 121 of 500KV Chandrapur-Padghe HVDC Line.	MSETCL	MSETCL	During recent patrolling it is R
38	220	220 KV Kotmikala-Annupur ckt I at 220 KV S/s Kotmikala.	02/Jun/19	7:00	02/Jun/19	16:00	Daily	Annual Maintenance Programme.	CSPTCL	CSPTCL	R
39	220	Vapi-magarwada ckt II	02/Jun/19	9:00	02/Jun/19	14:00	Daily	AMP works of 220KV bay	PGCIL	DD	R
40	220	Kawas-Halderwa#2 by Navsari	02/Jun/19	8:00	03/Jun/19	18:00	Daily	To facilitate Diversion of Line for NHRCL (Bullet Train) Work.	POWERGRID	WR-II	R
41	400KV	Sami - Dehgam 400 KV Line 2	02/Jun/19	7:00	05/Jun/19	17:00	Daily	Insulator replacement and cleaning work	ATIL	ATIL	Routine
42	400	BUS - 2 @ NEW KOYNA	03/Jun/19	08:00	03/Jun/19	18:00	Daily	Cold washing & Routine maint. Work	MSETCL	MSETCL	Main Bus-I will be in R
43	400	Busbar - I, 400/220 KV ICT#02, Bay 401, 402, 403 at Betul	03/Jun/19	18:00	04/Jun/19	18:00	Cont.	400 KV Online PDM system upgradation on urgent basis	POWERGRID	WR-II	R
44	400 KV	NSPCL to RAIPUR LINE # 2 AT NSPCL END	03/Jun/19	6:00	03/Jun/19	17:00	Daily	Annual Maintennace	NSPCL	NSPCL	R

45	220	220 KV Kotmikala-Annupur ckt II at 220 KV S/s Kotmikala.	03/Jun/19	7:00	03/Jun/19	16:00	Daily	Annual Maintenance Programme.	CSPTCL	CSPTCL	R
46	400	400 kV SSNL - Dhule - 1 (Auto reclose of SSP -Dhule - 2 will remain out)	03/Jun/19	7:00	03/Jun/19	18:00	Daily	Maintenance work	NCA	GETCO	
47	765	765/400kV ICT-1 at Bhopal	03/Jun/19	7:00	03/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
48	220	206, 220kV Lalpar bay at Bhachau, line will be inservice through TBC	03/Jun/19	8:00	03/Jun/19	11:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
49	400	400 kV Amreli - Jetpur 1	03/Jun/19	8:00	03/Jun/19	12:00	Daily	Line maintenance and Bay water washing work	GETCO	GETCO	
50	400 KV	DGEN 400kV Bay 410 (GT-53)	03/Jun/19	8:00	03/Jun/19	18:00	Daily	Offline washing of 410 GT-53 bay equipments including X'mer Bushing, LA isolator, CT breaker, EMVT etc.	TPL - DGEN	TPL - DGEN	R
51	400	400 kV Mundra Hadala line (Auto reclose of 400 kV APL - Yarsana and 400 kV Hadala - Yarsana line will remain out)	03/Jun/19	8:00	03/Jun/19	18:00	Daily	Line maintenance and Feeder Bay water washing work	GETCO	GETCO	
52	400 kV	400 kV UNOSUGEN Pirana Line 1 (400 KV Torrent Power Pirana)	03/Jun/19	8:00	03/Jun/19	18:00	Daily	For Porcelain insulator cloth washing work in PIRANA ss	TPL	TPL	R
53	400	400kV BHADRAVATI-PARLI I	03/Jun/19	8:00	03/Jun/19	18:00	Daily	For line AMP works & 400kV Dhariwal-Parli-2 A/R to be kept in Non auto mode & both end dia to be kept open for bay & line	WRTS-I	WRTS-I	R
54	400	VSTPS BUS #3	03/Jun/19	8:00	03/Jun/19	18:30	Continuous	Hot Spot rectification of Bus-3 (Under Observation)	NTPC	NTPC	R
55	220	Magarwada(PGCIL)-Magarwada(DD)-I	03/Jun/19	9:00	03/Jun/19	14:00	Daily	AMP works of 220KV bay	DD	DD	R
56	500	CHANDRAPUR - PADGHE HVDC POLE 1	03/Jun/19	09:00	03/Jun/19	17:00	Daily	For premanson Maintenance of AC/ DC yard equipment.	MSETCL	MSETCL	Pole-2 will be in service with
57	220	220KV Gwalior(PGCIL)-Malanpur-I	03/Jun/19	9:00	03/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
58	220	211 Kharadapda Main Bay at Vapi, line will be in service through TBC	03/Jun/19	9:00	03/Jun/19	17:00	Daily	For AMP- Terminal Tightness work	POWERGRID	WR-II	R
59	765KV	765KV BUS-1B at Champa	03/Jun/19	9:00	03/Jun/19	17:30	Daily	Stability of upcoming 765KV Bus Reactor-2	WRTS-I	WRTS-I	C
60	400	Bay No-417 Tie Bay of 400kv Magarwada-Boisar-II Line and future bay at Boisar	03/Jun/19	9:00	03/Jun/19	17:30	Daily	For Bay AMP	POWERGRID	WR-II	R
61	400	400KV Damoh-Katni	03/Jun/19	9:00	03/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
62	400	400kV ICT 1 Main Bay 401 at Aurangabad	03/Jun/19	9:00	03/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
63	400	400kV SEONI KHANDWAI_LINE_REACTOR	03/Jun/19	9:00	03/Jun/19	18:00	Daily	FOR OIL LEAKAGE ATTENDING WORK AT SEONI	WRTS-1	WRTS-1	R
64	765	765kV TAMNAR PS-KOTRA PS I	03/Jun/19	9:00	03/Jun/19	18:00	Daily	For Replacement of porcelin Insulators with Polymer insulators in industrial polluted area to prevent failure of	WRTS-I	WRTS-I	R
65	765	BUS REACTOR_765kV_240MVAR_WARDHA	03/Jun/19	9:00	03/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
66	400	405 Tie Bay of ICT #2 at Durg PS	03/Jun/19	9:00	03/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
67	765	BUS REACTOR_765kV_240MVAR_SOLAPUR	03/Jun/19	9:00	03/Jun/19	18:00	DAILY	Modification of neutral jumper to twin conductor.	WRTS-I	WRTS-I	R
68	765	765KV Rajnandgaon-2 Main Bay-704 at Warora	03/Jun/19	9:00	03/Jun/19	18:00	Daily	Warantee period testing	PWTL	PWTL	R
69	400	500MVA ICT-3 at Khandwa SS, dia to be kept open on both sides.	03/Jun/19	9:00	03/Jun/19	18:00	Daily	For AMP work	POWERGRID	WR-II	R
70	765	709 LR (AKOLA CKT - 1 ) REACTOR @ KORADI 3	03/Jun/19	10:00	03/Jun/19	14:00	Daily	Bushing Dismantling work for 709 LR RPh.	MEGPTCL	MEGPTCL	Bushing Dismantling
71	400	MAIN BUS - 2 @ TAPITTANDA	03/Jun/19	11:00	03/Jun/19	17:00	Daily	Routine maintenance work	MSETCL	MSETCL	NIL
72	220	207, 220kV Charadwa-2 bay at Bhachau, line will be in service through TBC	03/Jun/19	11:30	03/Jun/19	14:30	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
73	220	208, 220kV Chardva-1 bay at Bhachau, line will be in service through TBC	03/Jun/19	15:00	03/Jun/19	18:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
74	400	400KV Korba Mahan Line outage & Bay at NTPC Korba end	03/Jun/19	8:00	04/Jun/19	17:30	Daily	For Shunt reactor erection work	WRTS-2	NTPC	C
75	400	VSTPS BUS SECTION-3 (Stage-III, Bay No. 28)	03/Jun/19	8:00	04/Jun/19	18:30	Continuous	Annual Bay Maintenance	NTPC	NTPC	R
76	400	CGPL Mundra 400kV 63MVar Switchable Line Reactor of Mundra Jetpur-2 line	03/Jun/19	8:00	04/Jun/19	20:00	Daily	Breaker testing and Reactor PM	CGPL	CGPL	R
77	400	DHULE - SSNNL I & II	03/Jun/19	09:00	04/Jun/19	17:00	Daily	PID Testing of Isulators	MSETCL	MSETCL	400kV SSNNL-1 & 2 A/R
78	220	220KV ICT 1 at 220KV S/s Sukha	03/Jun/19	9:00	04/Jun/19	17:00	C	For bay equipment maintenance and testing work	MP_SLDC	MP_SLDC	
79	765	765KV JABALPUR 2 MAIN BAY (706) AT DHARAMJAYGARH(KORBA) SS	03/Jun/19	9:00	04/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
80	400	A/R off on 400kV Korba-Bhatapara	03/Jun/19	9:00	04/Jun/19	18:00	Daily	A/R keep on Non Auto mode required for PID work under NTPC plant towers. Line will remian in service.	WRTS-I	WRTS-I	R
81	765	765/400 kV ICT # 2 at Bhuj SS, dia to be kept open on both sides	03/Jun/19	9:00	04/Jun/19	18:00	Daily	RTV Coating	POWERGRID	WR-II	C
82	400	400KV ICT-3 at Rewa, dia to be kept open on both sides.	03/Jun/19	9:00	04/Jun/19	18:00	Daily	For CSD Final Commissioning of ICT#3 Tie bay (411)	POWERGRID	WR-II	R
83	400 kV	SRT-1 (Including Bay) at JPL tamnar	03/Jun/19	9:00	08/Jun/19	18:00	Continous	Annual maintenance & testing work.	JPL Stage # 1	JPL	
84	220	EKLAHARA-(OCR)-NAVASARI CKT - I	03/Jun/19	08:00	11/Jun/19	18:00	Continuous	string replacement by long rod polymer if made available by CO	MSETCL	MSETCL	-
85		AURAIYA-UP (220KV)-MALANPUR MPPTCL-WR (220KV)+MPPT	03/Jun/19	09:00	03/Jun/19	18:00	DAILY	Shut down of 220KV malanpur line for testing of bay equipments like CT,CVT,LA and breaker.	NRPC	UPPTCL	
86		315 MVA SC testing at NHPTL Bina	03/Jun/19	10:00:00	04/Jun/19	16:00:00	daily	SC testing	NHPTL	NHPTL	
87	400	PADGHE - KALWA 1 ON TBC	04/Jun/19	09:30	10/Jun/19	17:30	Continuous	400KV PADGHE - KALWA 1 feeder to be shifted on TBC for 400 KV CB Pole and mechanism overhauling work.	MSETCL	MSETCL	400KV PADGHE - ORC MMRDA Work
88	400	PADGHE - KALWA 1	04/Jun/19	09:00	18/Jun/19	18:00	Continuous	ORC MMRDA Work	MSETCL	MSETCL	ORC MMRDA Work
89	400	NAGOTHANE - DABHOL 2	04/Jun/19	08:00	06/Jun/19	18:00	Daily	Cold washing & Hill Cutting Work	MSETCL	MSETCL	Load can be managed on
90	400	400 kV Bus- 2 Jetpur	04/Jun/19	8:00	04/Jun/19	18:00	Daily	Maintenance Work and PT Tan Delta	GETCO	GETCO	

91	400	400KV Rajgarh-SSP-1	04/Jun/19	8:00	04/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
92	400	400kV Damoh-Birsinghpur line#1 along with Line Reactor at Damoh. A/R OFF of circuit-2 and dia to be kept open at both	04/Jun/19	9:00	04/Jun/19	18:00	Daily	AMP works	POWERGRID	WR-II	R
93	400	Itarsi-Indore # 1 Line ,dia to be kept open , at Itarsi	04/Jun/19	9:00	04/Jun/19	18:00	Daily	For AMP Works and Retrofitting of Conventional REF Relay with Numerical REF Relay of Siemens make (Model: 7SJ802).	POWERGRID	WR-II	R
94	400	421 Vchal 1 Main Bay at Vindhayachal(p)	04/Jun/19	7:00	04/Jun/19	15:00	Daily	Bay AMP work	POWERGRID	WR-II	R
95	765	765/400kV ICT-2 at Bhopal	04/Jun/19	7:00	04/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
96	220	202, 220kV ICT-1 bay at Bhachau , ICT -1 will be in service through TBC	04/Jun/19	8:00	04/Jun/19	11:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
97	400	400 KV Khedamara-Raita-II Line at 400 KV S/s Khedamara.	04/Jun/19	8:00	04/Jun/19	17:00	Daily	Annual Maintenance Programme.	CSPTCL	CSPTCL	R
98	400 KV	DGEN 400kV Bay 407 (GT-52)	04/Jun/19	8:00	04/Jun/19	18:00	Daily	Offline washing of 407 GT-52 bay equipments including X'mer Bushing, LA isolator, CT breaker, EMVT etc.	TPL - DGEN	TPL - DGEN	R
99	400	400 kV Bus-1 Soja	04/Jun/19	8:00	04/Jun/19	18:00	Daily	Maintenance Work.	GETCO	GETCO	
100	400 kV	400 KV SUGEN Pirana Line 2 (400 KV Torrent Power Pirana)	04/Jun/19	8:00	04/Jun/19	18:00	Daily	For Porcelain insulator cloth washing work in PIRANA ss	TPL	TPL	R
101	400	400kV DHARIWAL TPP-PARLI II	04/Jun/19	8:00	04/Jun/19	18:00	Daily	For AMP works & 400kV Bhadrawati-Parli-1 A/R to be kept in Non auto mode & both end dia to be kept open for bay & line	WRTS-I	WRTS-I	R
102	220	220KV KAWAS-NAVSARI-1 by ULDC	04/Jun/19	8:00	04/Jun/19	18:00	Daily	For railway crossing works for commissioning of OPGW Works	POWERGRID	WR-II	C
103	220	Magarwada(PGCIL)-Magarwada(DD)-II	04/Jun/19	9:00	04/Jun/19	14:00	Daily	AMP works of 220KV bay	DD	DD	R
104	500	CHANDRAPUR - PADGHE HVDC POLE 2	04/Jun/19	09:00	04/Jun/19	17:00	Daily	For premanson maintenance of Ac/DC Yard Equipment.	MSETCL	MSETCL	Pole-1 will be in service with
105	220	220KV Gwalior(PGCIL)-Malanpur-II	04/Jun/19	9:00	04/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
106	765KV	765KV BUS-2B at Champa	04/Jun/19	9:00	04/Jun/19	17:30	Daily	Stability of upcoming 765KV Bus Reactor-2	WRTS-I	WRTS-I	C
107	400	Bay No-418 Main Bay of 400kv Magarwada-Boisar-II Line at Boisar	04/Jun/19	9:00	04/Jun/19	17:30	Daily	For Bay AMP	POWERGRID	WR-II	R
108	220	OSMANABAD - PARLY (PG)	04/Jun/19	09:00	04/Jun/19	18:00	Daily	For erection of inline Tower crossing NHAI at loc no. 10-11	MSETCL	MSETCL	-
109	400	400KV Seoni-Kimapur	04/Jun/19	9:00	04/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
110	400	400kV ICT 2 & Future Tie Bay 405 at Aurangabad	04/Jun/19	9:00	04/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
111	765	ICT1_765/400kv_BILASPUR	04/Jun/19	9:00	04/Jun/19	18:00	Daily	AMP works and pre-monsoon preparedness	WRTS-I	WRTS-I	R
112	400	400kV ICT2_MAIN_BAY_406 AT SEONI	04/Jun/19	9:00	04/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-I	WRTS-I	R
113	765	765kV TAMNAR PS-KOTRA PS II	04/Jun/19	9:00	04/Jun/19	18:00	Daily	For Replacement of porcelain Insulators with Polymer insulators in industrial polluted area to prevent failure of	WRTS-I	WRTS-I	R
114	220	220 Kv Bus Coupler Bay (201) at Wardha	04/Jun/19	9:00	04/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
115	400	400kV ICT-1 Main bay_410 at Solapur	04/Jun/19	9:00	04/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
116	765	765kV ICT#2& 765KV Rajnandgaon-2 Tie Bay-705 at Warora	04/Jun/19	9:00	04/Jun/19	18:00	Daily	Warantee period testing	PWTL	PWTL	R
117	220	Itarsi-Hoshangabad # 2 Line	04/Jun/19	9:00	04/Jun/19	18:00	Daily	AMP of terminal equipments and relay testing.	POWERGRID	WR-II	R
118	400	125 MVAR BUS REACTOR-1 at Khandwa SS, dia to be kept open.	04/Jun/19	9:00	04/Jun/19	18:00	Daily	For AMP work	POWERGRID	WR-II	R
119	400	400 kV Tamnar-1 Main Bay (433) at Raipur SS	04/Jun/19	9:30	04/Jun/19	17:30	Daily	For AMP works	WRTS-I	WRTS-I	R
120	400KV	401 Main Bay of Morena-Gwalior line 2 at Morena SS	04/Jun/19	10:00	04/Jun/19	13:00	DAILY	Bay Equipments Maintenance Activity	CWRTL	CWRTL	Routine
121	765KV	765/400kV ICT-1 & Bus Reactor Tie Bay (702) at Padghe-GIS	04/Jun/19	10:00	04/Jun/19	17:00	DAILY	For DCRM/Timing of Bay CB 702	WRTS-I	WRTS-I	R
122	220	203, 220kV ICT-2 bay at Bhachau , ICT-2 will be inservice through TBC	04/Jun/19	11:30	04/Jun/19	14:30	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
123	765	710 LR (TIRODA CKT - 1) REACTOR @ KORADI 3	04/Jun/19	12:00	04/Jun/19	16:00	Daily	Bushing Erection work for 710 LR Yph	MEGPTCL	MEGPTCL	Bushing Erection work
124	220	206, 220kV Lalpar line bay at Bhachau, line will be inservice through TBC	04/Jun/19	15:00	04/Jun/19	18:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
125	220	Kawas-Halderwa# 1 by Navsari	04/Jun/19	8:00	05/Jun/19	18:00	Daily	To facilitate Diversion of Line for NHRCL (Bullet Train) Work.	POWERGRID	WR-II	R
126	220kv	ATR-1 at SSP	04/Jun/19	8:00	05/Jun/19	18:00		Preventive maintenance work	SSP	NCA	Preventive
127		AURAIYA-UP (220KV)-MEHGAON MPSEB- WR (220KV)+MPPT	04/Jun/19	09:00	04/Jun/19	18:00	DAILY	Shut down of 220KV mehgaoon line for testing of bay equipments like CL,CVT,IA and breaker.	NRPC	UPPTCL	
128	765	765 KV BUS 1 AT INDORE PS	05/Jun/19	9:00	07/Jun/19	18:00	Cont.	For BUS conection & stability test for newly erected equipment for Khandwa Indore 765 KV D/C Line	POWERGRID	WR-II	C
129	765	765kV .GT #3 & Satna Line 2 Tie Bay No 800-8 at sasan	05/Jun/19	8:00	05/Jun/19	20:00	Daily	Bay Yearly Maintenance	SASAN	RELIANCE	R
130	765	765kV Jabalpur-Orai-1 line along with L/R at Orai by NR-3	05/Jun/19	9:00	05/Jun/19	17:00	Daily	Variable frequency tan delta of Line Reactor bushings. Shutdown of line and line reactor required at Orai.	POWERGRID	NR-III	R
131	400	Bina-Bina-1 Tie bay at 400 KV MPPTCL Bina	05/Jun/19	9:00	05/Jun/19	18:00	Daily	For AMP work.	POWERGRID	WR-II	R
132	400	VINDHYACHAL - JABALPUR # 1 Line Jabalpur(Sukha), A/R OFF of circuit-2 and dia to be kept open	05/Jun/19	9:00	05/Jun/19	18:00	Daily	AMP of Line Terminal equip.	POWERGRID	WR-II	R
133	400	ICT-1 at pirana SS, dia to be kept open on both sides	05/Jun/19	10:00	05/Jun/19	18:00	Daily	33KV insulation at tertiary	POWERGRID	WR-II	R
134	400	VINDHYACHAL - JABALPUR # 1 Line Reactor at Jabalpur(Sukha)	05/Jun/19	9:00	06/Jun/19	18:00	Cont.	Residual Life Assessment test of Line Reactor and AMP	POWERGRID	WR-II	R
135	400	Busbar - II, 400/220 KV ICT#01, 125 MVAR Bus Reactor, Bay 404, 405, 406 at Betul	05/Jun/19	18:00	06/Jun/19	18:00	Cont.	400 KV Online PDM system upgradaton on urgent basis	POWERGRID	WR-II	R
136	400	400 kV Amreli - Jetpur 2	05/Jun/19	8:00	05/Jun/19	12:00	Daily	Line maintenance and Bay water washing work	GETCO	GETCO	

137	400	400KV Rajgarh-SSP-II	05/Jun/19	8:00	05/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
138	400	400kV Damoh-Birsinghpur line#2 along with Line Reactor at Damoh. A/R OFF of circuit-1 and dia to be kept open at both	05/Jun/19	9:00	05/Jun/19	18:00	Daily	AMP works	POWERGRID	WR-II	R
139	400KV	400KV SSP-Rajgarh-2 Line	05/Jun/19	8:00	05/Jun/19	18:00		SF6 leakage checking work.	SSP	NCA	Preventive
140	765	765kV Bus reactor at BDTCL Bhopal	05/Jun/19	7:00	05/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
141	220	207, 220kV Chardva-2 bay at Bhachau, line will be in service through TBC	05/Jun/19	8:00	05/Jun/19	11:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
142	400	400 kV Hadala - Amreli	05/Jun/19	8:00	05/Jun/19	12:00	Daily	Line maintenance and bay water washing work	GETCO	GETCO	
143	400 KV	DGEN 400kV Bay 401(Bus Reactor)	05/Jun/19	8:00	05/Jun/19	18:00	Daily	Offline washing of 401 reactor bay equipments including Reactor Bushing, LA, isolator, CT, breaker etc.	TPL - DGEN	TPL - DGEN	R
144	400	Mundra-Jetpur Ckt#2 with Non Auto mode of Ckt-1 (Dia to be kept open at both end) at Jetpur by Bhachau S/s	05/Jun/19	8:00	05/Jun/19	18:00	Daily	Testing & Commissioning of NIPFS Scheme at Jetpur end and to attending hot spot & rectifying open line spacer dampers	POWERGRID	WR-II	R
145	400	400KV KORBA-SIPAT	05/Jun/19	8:30	05/Jun/19	19:00	Daily	Replacement of faulty / Punctured insulator on various Locations as per PID Report.	WRTS-1	WRTS-1	R
146	400 KV	DGEN 400kV Bay 410 (GT-53)	05/Jun/19	9:00	05/Jun/19	13:00	Daily	Energization of the Transformer during RSD for Station Aux Power and Routine. Transformer will remain in service.	TPL - DGEN	TPL - DGEN	R
147	765	TIE BAY (702) OF ICT-1 & FUTURE BAY @ KORADI 3	05/Jun/19	09:00	05/Jun/19	14:00	Daily	SF6 Gas Analysis of Breaker	MEGPTCL	MEGPTCL	SF6 Gas Analysis of
148	132	KANHAN-PENCH	05/Jun/19	09:00	05/Jun/19	17:00	Daily	Replacement of Jumper	MSETCL	MSETCL	Outage will be
149	400	402 Bay ( Tie Bay 400KV Chakan & Kharghar Tie bay (402) at Pune (Talegaon)	05/Jun/19	9:00	05/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	availed subject
150	220	212 Bhilosa Main Bay at Vapi, line will be in service through TBC	05/Jun/19	9:00	05/Jun/19	17:00	Daily	For AMP- Terminal Tightness work	POWERGRID	WR-II	R
151	400	Bay No-419 Main Bay of 400kv Magarwada-Boisar-I Line at Boisar	05/Jun/19	9:00	05/Jun/19	17:30	Daily	For Bay AMP	POWERGRID	WR-II	R
152	765	765 KV WARDHA-NIZAMABAD I	05/Jun/19	9:00	05/Jun/19	18:00	Daily	1) For SCADA Validation and AR test. 2) Ckt-2 A/R to be kept in N/A mode & Dia to be kept open at	WRTS-I	WRTS-I	R
153	765	765kV ICT#2 Main Bay-706 at Warora	05/Jun/19	9:00	05/Jun/19	18:00	Daily	Warantee period testing	PWTL	PWTL	R
154	400	125MVA Reactor At Pirana SS, dia to be kept open.	05/Jun/19	10:00	05/Jun/19	18:00	Daily	For CSD rectification work in 412 Bay	POWERGRID	WR-II	R
155	220	208, 220kV Chardva-1 bay at Bhachau, line will be in service through TBC	05/Jun/19	11:30	05/Jun/19	14:30	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
156	400 KV	DGEN 400kV Bay 404 (GT-51)	05/Jun/19	12:00	05/Jun/19	16:00	Daily	De-energization of Transformer for Energy Conservation during RSD. Transformer will remain de-energized and available.	TPL - DGEN	TPL - DGEN	R
157	400	400 KV BUS BAR PROTECTION @ CHANDRAPUR	05/Jun/19	09:00	12/Jun/19	18:00	Continuous	For Final online Termination at Interfacing points and commissioning the new ZIV make numerical busbar protection	MSETCL	MSETCL	During this
158	765	765KV Jabalpur-Orai#1 Main bay ( 831 Bay) at Pooling station.iabalpur	05/Jun/19	9:00	05/Jun/19	18:00	Daily	DCRM of Circuit Breaker	POWERGRID	WR-II	outage period.
159	765	765KV Jabalpur-Orai#1 Line alongwith associated Line Reactor at Pooling station.iabalpur	05/Jun/19	9:00	05/Jun/19	18:00	Daily	For Fine tuning of CSD relay available for associated Line Reactor through on Line switching	POWERGRID	WR-II	C
160		Orai (765KV)-JABALPUR1	05/Jun/19	09:00	05/Jun/19	17:00	DAILY	Variable frequency tan delta of Line Reactor bushings. Shutdown of line and line reactor required at Orai	NRPC	POWERGRID	
161		Orai (765KV)-JABALPUR1	05/Jun/19	09:00	05/Jun/19	18:00	DAILY	For Fine tuning of CSD relay available for associated Line	NRPC	POWERGRID	
162	220	220kV Bus-2 (All feeders/ICTs will remain charged through Bus-1) at Bhachau	06/Jun/19	8:00	06/Jun/19	18:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
163	765	765kV ,GT #4 & Satna Line 1 Tie Bay No 800-11 at sasan	06/Jun/19	8:00	06/Jun/19	20:00	Daily	Bay Yearly Maintenance	SASAN	RELIANCE	R
164	400	ICT-2 at Pirana SS, dia to be kept open on both sides	06/Jun/19	10:00	06/Jun/19	18:00	Daily	33KV insulation at tertiary	POWERGRID	WR-II	R
165	400	VINDHYACHAL - JABALPUR # 1 Line at Jabalpur(Sukhal)	06/Jun/19	17:00	06/Jun/19	18:00	Daily	For taking LR in to service	POWERGRID	WR-II	R
166	400KV	Bay 404 - Main bay of Sami-Mundra line-2	06/Jun/19	8:00	07/Jun/19	20:00	Continuous	For Overhauling of 400 KV Circuit Breaker 404 Bay.	ATIL	ATIL	Routine
167	400	Tie Bay 417 of Satna-2 & BPSCL at Bina	06/Jun/19	9:15	08/Jun/19	17:30	Cont.	For CB drive over hauling.	POWERGRID	WR-II	R
168	400	CGPL Mundra 400kV 63MVA Switchable Line Reactor of Mundra Bhachau-3 line	06/Jun/19	8:00	06/Jun/19	20:00	Daily	Breaker testing and Reactor PM	CGPL	CGPL	R
169	400	400 kV Kasor - SSP line (400 kV Asoj - Chorania line No. 1 and 400KV Asoj - SSP line auto reclose will remain out.)	06/Jun/19	6:00	06/Jun/19	14:00	Daily	For replacement of damaged 400 kV Main Bus-02 Y φ and B φ conductor bunch over 400 kV Kasor - SSP and 400/220 kV ICT	GETCO	GETCO	
170	400	400/220 kV, 315 MVA ICT-01 Kasor	06/Jun/19	6:00	06/Jun/19	14:00	Daily	For replacement of damaged 400 kV Main Bus-02 Y φ and B φ conductor bunch over 400 kV Kasor - SSP and 400/220 kV ICT	GETCO	GETCO	
171	400 KV	NSPCL 400 KV BUS -1 AT NSPCL PLANT	06/Jun/19	6:00	06/Jun/19	17:00	Daily	Y PhaseBUS CVT replacement	NSPCL	NSPCL	R
172	400KV	400KV MAIN BUS-2 ,at Adani power Mundra,Phase-2 switchyard,	06/Jun/19	7:00	06/Jun/19	18:00	Daily	400KV Mian Bus-2 , Annual Routine Bus Maintenance work	APMuL	APMuL	Routine
173	132	KANHAN-MANSAR	06/Jun/19	08:00	06/Jun/19	12:00	Daily	For diagnostic testing work and alignment of isolators.	MSETCL	MSETCL	132 KV Pench-
174	400	400 KV Khedamara-Korba West [Ext]-1 Line at 400 KV S/s Khedamara	06/Jun/19	8:00	06/Jun/19	17:00	Daily	Annual Maintenance Programme.	CSPTCL	CSPTCL	Mansar Ckt is
175	220	MAHALAXMI - AMONA	06/Jun/19	08:00	06/Jun/19	17:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL	-
176	400 KV	DGEN 400kV Bay 405 (Navsari Line 2)	06/Jun/19	8:00	06/Jun/19	18:00	Daily	Offline washing of 405 Navsari Line 2 equipments including LA, isolator, CT, breaker, EMYT etc	TPL - DGEN	TPL - DGEN	R
177	400	400 kV Varsana Hadala line (Auto reclose of 400 kV APL - Hadala will remain out)	06/Jun/19	8:00	06/Jun/19	18:00	Daily	Line maintenance and bay water washing work	GETCO	GETCO	
178	400	400 kV Soja-Kansari line	06/Jun/19	8:00	06/Jun/19	18:00	Daily	Line maintenance Work.	GETCO	GETCO	
179	400	400KV Korba Bus section between Bus-1 & Bus 3	06/Jun/19	8:00	06/Jun/19	18:30	Daily	For Bay PM	NTPC	NTPC	R
180	765	MAIN BAY (704) OF ICT - 2 @ KORADI 3	06/Jun/19	09:00	06/Jun/19	14:00	Daily	SF6 Gas Analysis of Breaker	MEGPTCL	MEGPTCL	SF6 Gas
181	400	Bay No-420 Tie Bay of 400kv Magarwada-Boisar-I Line and future bay at Boisar	06/Jun/19	9:00	06/Jun/19	17:30	Daily	For Bay AMP	POWERGRID	WR-II	Analysis of
182	400	400 KV Jhabua - 408 CB	06/Jun/19	9:00	06/Jun/19	18:00	daily	Compressor maintenance of CB - 408, Also checking of air leakage & CB maintenance work	Jhabua Power Switchyard	Jhabua Power	R

183	765	ICT2_765/400kv_BILASPUR	06/Jun/19	9:00	06/Jun/19	18:00	Daily	AMP works and pre-monsoon preparedness	WRTS-I	WRTS-I	R
184	765	765KV JHARSUGUDA 1 REACTOR BAY (733R) AT DHARAMJAYGARH(KORBA) SS	06/Jun/19	9:00	06/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
185	400	400kv ICT3_MAIN_BAY_428 AT SEONI	06/Jun/19	9:00	06/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
186	400	400 Kv Bus Reactor Tie Bay(417) at Wardha	06/Jun/19	9:00	06/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
187	765	702 Tie Bay of ICT #1 at Durg PS	06/Jun/19	9:00	06/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
188	400	400kv ICT-1_Karad Line_Tie bay_411 at Solapur	06/Jun/19	9:00	06/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
189	765	765KV Rajnandgaon-1 Main Bay-701 at Warora	06/Jun/19	9:00	06/Jun/19	18:00	Daily	Warantee period testing	PWTL	PWTL	R
190	400	400kv Damoh-Bhopal line#1 at Damoh, A/R OFF of circuit-2 and dia to be kept open at both ends	06/Jun/19	9:00	06/Jun/19	18:00	Daily	AMP work	POWERGRID	WR-II	R
191	765	765 kv 330 MVAr Bus Reactor at Bhuj SS, dia to be kept open	06/Jun/19	9:00	06/Jun/19	18:00	Daily	RTV Coating	POWERGRID	WR-II	C
192	400	315 MVA ICT-1 at Khandwa SS, dia to be kept open on both sides	06/Jun/19	9:00	06/Jun/19	18:00	Daily	For replacement of REF relay.	POWERGRID	WR-II	R
193	400	Bina-Bina-4Tie bay at 400 KV MPPPTCL Bina	06/Jun/19	9:15	06/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
194	400	400 kV Sipat-2 Main Bay (409) at Raipur SS	06/Jun/19	9:30	06/Jun/19	17:30	Daily	For AMP works	WRTS-I	WRTS-I	R
195	765 KV	765kv Bus Reactor Main Bay (703) at Padghe-GIS	06/Jun/19	10:00	06/Jun/19	17:00	DAILY	For DCRM/Timing of Bay CB 703	WRTS-I	WRTS-I	R
196	765	765kv Kotra # 2 (701) Main Bay at Tamnar PS	06/Jun/19	10:00	06/Jun/19	18:00	Daily	For damper replacement of 70152 CB	WRTS-I	WRTS-I	R
197	220	220 KV BUSBAR 1 at Navsari	06/Jun/19	10:00	06/Jun/19	18:00	Daily	BUSBAR AMP works	POWERGRID	WR-II	R
198	400	Wadavi-Choraniya-2 line at Wadavi by Pirana.	06/Jun/19	10:00	06/Jun/19	18:00	Daily	For breaker DCRM work at Wadavi end	POWERGRID	WR-II	R
199	400	400 kV Main Bus - 2 Kasor	06/Jun/19	6:00	07/Jun/19	18:00	Continuous	For replacement of damaged 400 kV Main Bus-02 Y φ and B φ conductor bunch over 400 kV Kasor - SSP and 400/220 kV ICT	GETCO	GETCO	
200	400	Bhachau-Varsana Ckt#1 with Non Auto mode of Ckt-2 and 400kV Bus-A at Varsana SS (Dia to be kept open at both ends) by	06/Jun/19	8:00	07/Jun/19	18:00	Daily	For application of Silicon grease/RTV in Line Terminal Equipment at Both ends	POWERGRID	WR-II	R
201	765KV	765kv Durg-1 Main Bay-704 at Champa PS	06/Jun/19	9:00	07/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
202	400	400 kV Kasor - Chorania line (Auto reclose of Chorania - Asoj 1 will remain out)	06/Jun/19	14:00	07/Jun/19	18:00	Continuous	For replacement of damaged 400 kV Main Bus-02 Y φ and B φ conductor bunch over 400 kV Kasor - SSP and 400/220 kV ICT	GETCO	GETCO	
203	400	400 kV Kasor - Rajgarh - 1 line	06/Jun/19	14:00	07/Jun/19	18:00	Continuous	For replacement of damaged 400 kV Main Bus-02 Y φ and B φ conductor bunch over 400 kV Kasor - SSP and 400/220 kV ICT	GETCO	GETCO	
204	220kv	ATR-2 at SSP	06/Jun/19	8:00	07/Jun/19	18:00		Preventive maintenance work	SSP	NCA	Preventive
205	400	JAIGAD-KARAD-I & II BOTH IN NON - AUTO MODE	06/Jun/19	09:00	11/Jun/19	18:00	Daily	Hotline washing	JPTL	JPTL	Online permit for Hotline
206	765	765KV Jabalpur-Orai#1 Tie bay ( 832 Bay) at Pooling station.jabalpur	06/Jun/19	9:00	06/Jun/19	18:00	Daily	DCRM of Circuit Breaker	POWERGRID	WR-II	R
207		Orai (765KV)-JABALPUR1	06/Jun/19	09:00	06/Jun/19	18:00	DAILY	<b>AWIP WORKS</b> <b>(C/D REQUEST IS SUBMITTED BY POWERGRID)</b>	NRPC	POWERGRID	
208		400kv Sundargarh-Rajgarh Ckt #1	06/Jun/19	7:00:00	06/Jun/19	17:00:00	ODB	TL Maintenance works	ERPC	ER-II/Odisha	
209	400	405 Bay (Tie Bay of 400kV ICT-1 & 400kV B/R-1) at Gwalior	07/Jun/19	7:00	09/Jun/19	18:00	Cont.	Overhauling of CB	POWERGRID	WR-II	R
210	400	400 kV Main Bus - 1 at Hadala	07/Jun/19	8:00	07/Jun/19	18:00	Daily	Feeder Bay Water Washing work	GETCO	GETCO	
211	220	Bhachau-Morbi Line at Bhachau	07/Jun/19	8:00	07/Jun/19	18:00	Daily	Line outage required for Installation of ABT meter at both ends	POWERGRID	WR-II	R
212	765	765kv Jabalpur-Orai-2 line along with L/R at Orai by NR-3	07/Jun/19	9:00	07/Jun/19	17:00	Daily	Variable frequency tan delta of Line Reactor bushings. Shutdown of line and line reactor required at Orai.	POWERGRID	NR-III	R
213	400	Busbar-II, 400 KV Mauda - Betul Line ckt# 02 with Reactor, 400 KV Betul - Khandwa Line ckt #01 with Reactor. Bay 407, 407R.	07/Jun/19	18:00	08/Jun/19	18:00	Cont.	400 KV Online PDM system upgradation on urgent basis	POWERGRID	WR-II	R
214	400	Itarsi-Jabalpur #3 Line at Itarsi	07/Jun/19	9:00	07/Jun/19	9:15	Daily	For Taking Line Reactor Out of Service for conditional Assessment of critical reactors above 20 years as per CC.	POWERGRID	WR-II	R
215	400	Itarsi-Jabalpur #3 Line Reactor at Itarsi	07/Jun/19	9:00	08/Jun/19	18:00	Cont.	For Testing of Reactor (conditional Assessment of critical reactors above 20 years as per CC).	POWERGRID	WR-II	R
216	400	400 kV SSNL - Dhule - 2 (Auto reclose of SSP - Dhule - 1 will remain out)	07/Jun/19	7:00	07/Jun/19	18:00	Daily	Maintenance work	NCA	GETCO	
217	400	400kv, Bay No.400-4 at SASAN	07/Jun/19	8:00	07/Jun/19	20:00	Continuous	Bay Yearly Maintenance	SASAN	RELIANCE	R
218	400	400 KV ICT-1 MAIN BAY (430) AT KOTRA PS	07/Jun/19	6:00	07/Jun/19	18:00	Daily	For AMP works	WRTS-1	WRTS-1	R
219	400	TIE BAY (409) OF WARDH CKT-1 & BHUSAWAL CKT @ AKOLA	07/Jun/19	08:00	07/Jun/19	15:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL	NIL
220	400 KV	DGEN 400kv Bay 404 (GT-51)	07/Jun/19	8:00	07/Jun/19	18:00	Daily	Offline washing of 404 GT-51 bay equipments including X'mer Bushing, LA, isolator, CT, breaker, EMVT etc.	TPL - DGEN	TPL - DGEN	R
221	400	NEW KOYNA - DABHOL - II	07/Jun/19	08:00	07/Jun/19	18:00	Daily	Cold washing & Routine maint. Work	MSETCL	MSETCL	Load can be managed on
222	765	TIE BAY (705) OF ICT - 2 & BUS REACTOR @ KORADI 3	07/Jun/19	09:00	07/Jun/19	14:00	Daily	SF6 Gas Analysis of Breaker	MEGPTCL	MEGPTCL	SF6 Gas Analysis of
223	765	ICT3_765/400kv_BILASPUR	07/Jun/19	9:00	07/Jun/19	14:00	Daily	Spare changover & pre monsoon preparedness	WRTS-I	WRTS-I	R
224	765	765kv Bus -1 at Banaskantha	07/Jun/19	9:00	07/Jun/19	15:00	Daily	Pre Monsoon activities & attending hotspots	POWERGRID	WR-II	R
225	220	209 Magarwada 1 Main Bay at Vapi, line will be in service through TBC	07/Jun/19	9:00	07/Jun/19	17:00	Daily	For AMP- Terminal Tightness work	POWERGRID	WR-II	R
226	220	BOISAR II - TARAPUR	07/Jun/19	09:00	07/Jun/19	17:00	Daily	Routine and Maintenance work	MSETCL	MSETCL	Routine and Maintenance
227	400	MAIN BUS - 2 @ WALUJ	07/Jun/19	09:00	07/Jun/19	17:00	Daily	ROUTINE MAINTENANCE	MSETCL	MSETCL	ROUTINE MAINTENANC
228	220	220KV Gwalior(PGCIL)-Mahalgaon-1	07/Jun/19	9:00	07/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	

229	400	400 KV Jhabua - 404 CB	07/Jun/19	9:00	07/Jun/19	18:00	daily	Compressor maintenance of CB - 404, Also checking of air leakage & CB maintenance work	Jhabua Power Switchyard	Jhabua Power	
230	765	765KV JHARSUGUDA 1 MAIN BAY (733) AT DHARAMJAYGARHIKORBAI SS	07/Jun/19	9:00	07/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
231	400	BUS_REACTOR2_MAIN_BAY_433 AT SEONI	07/Jun/19	9:00	07/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
232	765	765 Kv Nizamabad #1 Tie Bay (702) at Wardha	07/Jun/19	9:00	07/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
233	765	SWITCHABLE LR_765kV_RAICHUR 1_SOLAPUR	07/Jun/19	9:00	07/Jun/19	18:00	DAILY	Reactor AMP and modification of neutral jumper to twin conductor.	WRTS-I	WRTS-I	R
234	765	765kV ICT#1 & 765KV Rajnandgaon-1 Tie Bay-702	07/Jun/19	9:00	07/Jun/19	18:00	Daily	Warantee period testing	PWTL	PWTL	R
235	400	400kV Damoh-Bhopal line#2 at Damoh, A/R OFF of circuit-1 and dia to be kept open at both ends	07/Jun/19	9:00	07/Jun/19	18:00	Daily	AMP works	POWERGRID	WR-II	R
236	400	315 MVA ICT-2 at Khandwa SS, dia to be kept open on both sides.	07/Jun/19	9:00	07/Jun/19	18:00	Daily	For replacement of REF relay.	POWERGRID	WR-II	R
237	400	400/220 kv ICT-1 at Satna, dia to be kept open on both sides	07/Jun/19	9:00	07/Jun/19	18:00	Daily	AMP Work	POWERGRID	WR-II	R
238	400	400 kV Raigarh-2 Main Bay (404) at Raipur SS	07/Jun/19	9:30	07/Jun/19	17:30	Daily	For AMP works	WRTS-I	WRTS-I	R
239	220	Bay No.204 Main Bus coupler at Boisar	07/Jun/19	10:00	07/Jun/19	11:30	Daily	For Collecting Oil Sample	POWERGRID	WR-II	R
240	220	NALASOPARA - BOISAR PG	07/Jun/19	10:00	07/Jun/19	17:00	Daily	Bay Maintenance Work at 220 kV Nalaasopara S/S	MSETCL	MSETCL	Bay Maintenance R
241	765 KV	765/400kV ICT-2 & A'bad Line 1 Tie Bay (705) at Padghe-GIS	07/Jun/19	10:00	07/Jun/19	17:00	DAILY	For DCRM/Timing of Bay CB 705	WRTS-I	WRTS-I	R
242	400	ICT1_400/220kv_MAPUSA	07/Jun/19	10:00	07/Jun/19	18:00	Daily	Shifting of Electromechanical Overflux Relay to Numerical Relay	WRTS-I	WRTS-I	R
243	765	765kV Kotra # 2 & AT#1 (702) Tie Bay at Tamnar PS	07/Jun/19	10:00	07/Jun/19	18:00	Daily	For damper replacement of 70252 CB	WRTS-I	WRTS-I	R
244	220	220 KV Navsari-Bhestan 1 at Navsari	07/Jun/19	10:00	07/Jun/19	18:00	Daily	AMP works at Navsari GIS	POWERGRID	WR-II	R
245	400	Wadavi-Choraniya-1 line at Wadavi by Pirana	07/Jun/19	10:00	07/Jun/19	18:00	Daily	For AMP work of line terminal equipments and bay	POWERGRID	WR-II	R
246	765	712R (765KV BINA # 1 LINE REACTOR Bay) at Gwalior	07/Jun/19	10:00	07/Jun/19	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R
247	400	400kV D/C Bhopal-Bhopal Ckt-02	07/Jun/19	7:00	08/Jun/19	19:00	Daily	AR-OFF: AMP works and OPGW rectification	BDTCL	BDTCL	R
248	400	CGPL Mundra 400kV 417 52 Tie breaker of Mundra Bhachau-3 line and Bus Reactor	07/Jun/19	8:00	08/Jun/19	20:00	Daily	Breaker testing and PM	CGPL	CGPL	R
249	400	400 KV LBB PROTECTION @ CHANDRAPUR	07/Jun/19	09:00	08/Jun/19	18:00	Continuous	For interfacing trip output of old LBB protection relay in to new ZIV busbar protection.	MSETCL	MSETCL	During outage, the R
250	400	400KV Solapur ICT-1, 400/132 KV, 200 MVA	07/Jun/19	9:00	08/Jun/19	19:00	Continuous	PM checks	NTPC	NTPC	R
251	400	Tie Bay 411 at PGCIL Bilaspur PS	07/Jun/19	9:00	10/Jun/19	18:00	Continuous	Circuit Breaker gas leakage maintenance work	EPTCL	EPTCL	R
252	765	765KV Jabalpur-Orai#2 Line alongwith associated Line Reactor at Pooling station, Jabalpur	07/Jun/19	9:00	07/Jun/19	18:00	Daily	For Fine tuning of CSD relay available for associated Line Reactor through on Line switching	POWERGRID	WR-II	C
253		Orai (765KV)-JABALPUR2	07/Jun/19	09:00	07/Jun/19	17:00	DAILY	Variable frequency tan delta of Line Reactor bushings. Shutdown of line and line reactor required at Orai.	NRPC	POWERGRID	
254		400kV Sundargarh-Raigarh Ckt #2	07/Jun/19	7:00:00	07/Jun/19	17:00:00	ODB	TL Maintenance works	ERPC	ER-II/Odisha	
255	765	765KV Jabalpur-Gadarwara Line#2 at pooling station, Jabalpur, A/R OFF of circuit-1 & dia to be kept open at both ends	08/Jun/19	9:00	08/Jun/19	18:00	Daily	AMP Works	POWERGRID	WR-II	R
256	765	765kV Satna-Orai line, dia to be kept open at both ends	08/Jun/19	9:00	08/Jun/19	18:00	Daily	For erection of BPI in phase where W/T is not present	POWERGRID	WR-II	R
257	765	765 KV BUS 2 AT INDORE PS	08/Jun/19	9:00	10/Jun/19	18:00	Cont.	For BUS conection & stability test for newly erected equipment for Khandwa-Indore 765 KV D/C Line	POWERGRID	WR-II	c
258	400	400 kV Chorania-Amreli (Auto reclose of Asoj Chorania 2 will remain out)	08/Jun/19	8:00	08/Jun/19	12:00	Daily	Line maintenance and bay water washing work	GETCO	GETCO	
259	765	765kV Satna-Orai line along with L/R at Orai by NR-3	08/Jun/19	9:00	08/Jun/19	17:00	Daily	Variable frequency tan delta of Line Reactor bushings. Shutdown of line and line reactor required at Orai.	POWERGRID	NR-III	R
260	400KV	400KV APMuL-Hadala Line bays work at Adani power Mundra Phase-2 switchyard.	08/Jun/19	10:00	08/Jun/19	18:00	Daily	Unhealthy identified Composite Insulator replacement work at APMuL end.	GETCO	APMuL	
261	400	Itarsi-Jablpur #3 Line at Itarsi	08/Jun/19	18:00	08/Jun/19	18:15	Daily	For Taking Line Reactor into Service after testing as per conditional Assessment of critical reactors above 20 years.	POWERGRID	WR-II	R
262	400	400kV D/C Bhopal-Bhopal Ckt-01	08/Jun/19	7:00	08/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
263	400	400kV, Bay No.400-5 at SASAN	08/Jun/19	8:00	08/Jun/19	20:00	Continuous	Bay Yearly Maintenance	SASAN	RELIANCE	R
264	400	410 Bay ( 400KV Pune GIS # 4 Main bay (410) at Talegaon Substation	08/Jun/19	9:00	08/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	R
265	400	EKTUNI - BABLESHWAR CKT 1	08/Jun/19	09:00	08/Jun/19	18:00	Daily	Diagnostic/Relay Testing, Routine Maintenance	MSETCL	MSETCL	400kV Bhabaleshwar R
266	400	400kV D/C Bhopal-Bhopal Ckt-01	08/Jun/19	7:00	08/Jun/19	19:00	Daily	AR-OFF: AMP works and OPGW rectification	BDTCL	BDTCL	R
267	400	400 KV BUS SECTIONALIZER1 BAY (425) at KOTRA	08/Jun/19	6:00	08/Jun/19	18:00	Daily	For AMP works	WRTS-1	WRTS-1	R
268	220	220 KV OLD GCR PARLI - PARLY (PG)	08/Jun/19	08:00	08/Jun/19	16:00	Daily	Line maintenance work.	MSETCL	MSETCL	-
269	400 KV	DGEN 400kV Bay 406 (Navsari Line 1)	08/Jun/19	8:00	08/Jun/19	18:00	Daily	Offline washing of 406 Navsari Line 1 equipments including LA, isolator, CT, breaker, EMVT etc.	TPL - DGEN	TPL - DGEN	R
270	400	400KV Korba Bus section between Bus-2 & Bus 4	08/Jun/19	8:00	08/Jun/19	18:30	Daily	For Bay PM	NTPC	NTPC	R
271	765	MAIN BAY (706) OF BUS REACTOR @ KORADI 3	08/Jun/19	09:00	08/Jun/19	14:00	Daily	SF6 Gas Analysis of Breaker	MEGPTCL	MEGPTCL	SF6 Gas Analysis of R
272	400	400Kv Boisar-Padghe line at Boisar	08/Jun/19	9:00	08/Jun/19	14:00	Daily	Main-1 relay replacement & For tripping and A/R Trials of Main-1 relay (Line will be out of service)	POWERGRID	WR-II	R
273	765	765kV Bus-II at Banaskantha	08/Jun/19	9:00	08/Jun/19	15:00	Daily	Pre Monsoon activities & attending hotspots	POWERGRID	WR-II	R
274	220	220KV Gwalior(PGCIL)-Mahalgaon-II	08/Jun/19	9:00	08/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	

275	765kV	Bay-707 Main Bay of Bus reactor @Rajnandgaon SS	08/Jun/19	9:00	08/Jun/19	18:00	Daily	For off load timing test of 707-CB and to integrate required wiring modification and settings in relay.	RRWTL	RRWTL	Routine
276	400	400kV Wardha 2 & Aurangabad(PG)1 Tie Bay 411 at Aurangabad	08/Jun/19	9:00	08/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
277	765	SWITCHABLE LR_765kV_JABALPUR 4_DJAI GARH	08/Jun/19	9:00	08/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
278	765	765kV BILASPURI_MAIN_BAY_710 AT SEONI	08/Jun/19	9:00	08/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
279	400	500 MVA ICT #2 at Itarsi, dia to be kept open.	08/Jun/19	9:00	08/Jun/19	18:00	Daily	For AMP and testing & commissioning of Back up Impedence relay at Itarsi SS.	POWERGRID	WR-II	R
280	400	400/220 kv ICT-2 at Satna, dia to be kept open on both sides	08/Jun/19	9:00	08/Jun/19	18:00	Daily	AMP Work	POWERGRID	WR-II	R
281	400	ICT2_400/220kv_MAPUSA	08/Jun/19	10:00	08/Jun/19	18:00	Daily	Shifting of Electromechanical Overflux Relay to Numerical Relay.	WRTS-I	WRTS-I	R
282	765	765kV ICT#1 (703) Main Bay at Tamnar PS	08/Jun/19	10:00	08/Jun/19	18:00	Daily	For damper replacement of 70352 CB	WRTS-I	WRTS-I	R
283	220	220 KV Navsari-Bhestan 2 at Navsari	08/Jun/19	10:00	08/Jun/19	18:00	Daily	AMP works at Navsari GIS	POWERGRID	WR-II	R
284	400	400kV Bus Reactor#1 at Gwalior	08/Jun/19	10:00	08/Jun/19	18:00	Daily	For control of Bus Reactor from STATCOM Controller	POWERGRID	WR-II	R
285	220	A BUS @ BOISAR II	08/Jun/19	07:00	09/Jun/19	19:00	Continuous	Isolator Maintenance and Bus Isolator replacement at 220 kV Boisar-II S/S.	MSETCL	MSETCL	Isolator Maintenance Load can be managed on R
286	400	NEW KOYNA - DABHOL - I	08/Jun/19	08:00	09/Jun/19	18:00	Daily	Cold washing & string replacement of insulator strings	MSETCL	MSETCL	
287	400	Bhachau-Ranchodpura ckt-2 with Bhachau-Ranchodpura ckt-1 in non auto reclose mode (Dia to be kept open at both ends) by Kawas-Halderwa# 1&2 by Navsari	08/Jun/19	8:00	11/Jun/19	18:00	Daily	For fixing of Bird Flight Diverter in the Earth Wire. For Dry Film Thickness (DFT) measurement of RTV Coating at T-point	POWERGRID	WR-II	R
288	220	To facilitate Diversion of Line for NHSRCL (Bullet Train) Work.	08/Jun/19	8:00	12/Jun/19	18:00	Cont.		POWERGRID	WR-II	R
289		Orai (765kV)-SATNAS/C	08/Jun/19	09:00	08/Jun/19	17:00	DAILY	Variable frequency tan delta of Line Reactor bushings. Shutdown of line and line reactor required at Orai.	NRPC	POWERGRID	
290		400kV Sundargarh-Raigarh Ckt #3 & 4	08/Jun/19	7:00:00	08/Jun/19	17:00:00	ODB	TL Maintenance works (Shut down of Sundargarh -Raigarh Ckt-III & IV is required together for maint. of Multi circuit/ LULO portion)	ERPC	ER-II/Odisha	
291	400	Tie Bay 411 of Satna-4 & Shujalpur-2 at Bina	09/Jun/19	9:00	11/Jun/19	18:00	Cont.	For CB drive over hauling.	POWERGRID	WR-II	R
292	400	400KV Bus # 1 at Pune (Talegaon)	09/Jun/19	9:00	09/Jun/19	17:00	Daily	Replacment of Clamps & connectors	WRTS-I	WRTS-I	R
293	765	765kV Vchal-Satna#2 line at Satna, dia to be kept open at both ends	09/Jun/19	9:00	09/Jun/19	18:00	Daily	For erection of BPI in phase where W/T is not present	POWERGRID	WR-II	R
294	765	701 (765 KV JAIPUR # 2 Main Bay) at Gwalior	09/Jun/19	10:00	09/Jun/19	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R
295	400	400kV Vindhychal-Rewa at NTPC by Vindhychal	09/Jun/19	7:00	09/Jun/19	8:00	Daily	To isolate the non-switchable L/R of 400kV Vindhychal-Jabalpur-4 at NTPC for Conditional assessment testing	POWERGRID	WR-II	R
296	400	400kV BHATAPARA-KORBA	09/Jun/19	8:30	09/Jun/19	19:00	Daily	Replacement of faulty / Punctured insulator on various Locations as per PID Report & Bhatapara end dia to be kept	WRTS-1	WRTS-1	R
297	400	400 kV Vindhychal-Rewa Line Reactor at NTPC Switch yard by Vindhychal	09/Jun/19	7:00	10/Jun/19	16:00	Cont.	For Conditional assessment testing	POWERGRID	WR-II	R
298	400	400 kV Main Bus - II & Bus Coupler Hadala	09/Jun/19	8:00	09/Jun/19	18:00	Daily	Feeder bay water washing work	GETCO	GETCO	
299	400	Bus Reactor # 3 Main Bay (Bay-401) at Itarsi S/S	09/Jun/19	9:00	09/Jun/19	18:00	Daily	For Retrofitting of existing Siemens make 7SV512 LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
300	400KV	400kV APMuL-Varsana Line-1 bays work ,at Adani power Mundra Phase-2 switchyard.	09/Jun/19	10:00	09/Jun/19	18:00	Daily	Unhealthy identified Composite Insulator replacement work at APMuL end.	GETCO	APMuL	
301	400	400kV, Bay No.400-6 at SASAN	09/Jun/19	8:00	09/Jun/19	20:00	Continuous	Bay Yearly Maintenance	SASAN	RELIANCE	R
302	400	400 kV TBC Bus Hadala	09/Jun/19	8:00	09/Jun/19	18:00	Daily	Feeder bay water washing work	GETCO	GETCO	
303	400	400 kV Mansar - Chorianiya line	09/Jun/19	8:00	09/Jun/19	18:00	Daily	Feeder bay water washing work	GETCO	GETCO	
304	400	TAPTITANDA - EKTUNI CKT - 1	09/Jun/19	11:00	09/Jun/19	17:00	Daily	Relay testing work	MSETCL	MSETCL	NIL
305	765	765 kV Bhuj-Banaskantha # 2 with Line Reactor at Bhuj SS, dia to be kept open at both ends	09/Jun/19	9:00	10/Jun/19	18:00	Daily	RTV Coating	POWERGRID	WR-II	C
306	400	400kV Anuppur-Jabalpur ckt 2, A/R OFF of circuit-1 and dia to be kept open at both ends by Jabalpur TLM	09/Jun/19	9:00	09/Jun/19	18:00	Daily	For AMP-Attending shut down nature defects	POWERGRID	WR-II	R
307		Orai (765kV)-SATNAS/C	09/Jun/19	09:00	09/Jun/19	18:00	DAILY	For erection of BPI in phase where W/T is not present	NRPC	POWERGRID	
308	765	717 (765 KV SATNA # 2 & BINA # 3 Tie Bay) at Gwalior	10/Jun/19	10:00	11/Jun/19	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R
309	400	400kV D/C Bhopal-Bhopal Ckt-02	10/Jun/19	7:00	10/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
310	400	400kV Vindhychal-Rewa at NTPC by Vindhychal	10/Jun/19	15:00	10/Jun/19	16:00	Daily	To take non-switchable L/R of 400kV Vindhychal-Jabalpur-4 at NTPC into service at NTPC Vindhychal.	POWERGRID	WR-II	R
311	400	407 Bay (Main bay of 400kV ICT-2) at Gwalior	10/Jun/19	7:00	12/Jun/19	18:00	Cont.	Overhauling of CB	POWERGRID	WR-II	R
312	400	424 Vchal 2 Main Bay at at Vindhychal(p)	10/Jun/19	7:00	10/Jun/19	14:00	Daily	Bay AMP work	POWERGRID	WR-II	R
313	400	400 kV Chorianiya Hadala line	10/Jun/19	8:00	10/Jun/19	18:00	Daily	Line maintenance and bay water washing work	GETCO	GETCO	
314	400	MAIN BUS - 1 @ AKOLA	10/Jun/19	08:00	10/Jun/19	18:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL	NIL
315	400	400kV WARORA-PARLI I	10/Jun/19	8:00	10/Jun/19	18:00	Daily	For line AMP works & ckt-2 A/R to be keep in Non auto mode & Both ends dia to be kept open for bays & line equipment.	WRTS-I	PWTL	R
316	400	400kV LARA(NTPC)-CHAMPA I	10/Jun/19	8:30	10/Jun/19	19:00	Daily	Installation of missing Grading ring at Loc.No. 186 (12), 194 (12). Ckt-2 A/R to be kept in Non auto mode & Champa end	WRTS-1	WRTS-1	R
317	765	MAIN BAY (710) OF TIRORA CKT - 1 @ KORADI 3	10/Jun/19	09:00	10/Jun/19	14:00	Daily	SF6 Gas Analysis of Breaker	MEGPTCL	MEGPTCL	SF6 Gas Analysis of
318	400	400kv Tarapur-Boisar-II line at Boisar	10/Jun/19	9:00	10/Jun/19	14:00	Daily	Main-I relay replacement & For tripping and A/R Trials of Main-I relay (Line will be out of service)	POWERGRID	WR-II	R
319	220	210 Magarwada 2 Main Bay at Vapi, line will be in service through TBC	10/Jun/19	9:00	10/Jun/19	17:00	Daily	For AMP- Terminal Tightness work	POWERGRID	WR-II	R
320	400	406 Bay (Main bay of 400kV ICT#1 Main bay (406) at Pune (Talegaon)	10/Jun/19	9:00	10/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	R

321	765kV	Bay-708 Tie bay of Bus reactor & Bilaspur Line-1 @Rajnandgaon SS	10/Jun/19	9:00	10/Jun/19	18:00	Daily	For off load timing test of 708-CB and to integrate required wiring modification and settings in relay.	RRWTL	RRWTL	Routine
322	400	400 kV Mahan - Bilaspur II	10/Jun/19	9:00	10/Jun/19	18:00	Daily	Restoration of 50 MVAR line reactor	EPTCL	EPTCL	R
323	400	400kV Aurangabad(PG)-1 Main Bay 412 at Aurangabad	10/Jun/19	9:00	10/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
324	765	765kV JHARSUGUDA 3 MAIN BAY (721) AT DHARAMJAYGARH(KORBA) SS	10/Jun/19	9:00	10/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
325	765	SWITCHABLE LR_765kV_A/BAD 4_WARDHA	10/Jun/19	9:00	10/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
326	765	716 Main Bay of Champa # 1 at Durg PS	10/Jun/19	9:00	10/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
327	765	765kV ICT#1 Main Bay-703 at Warora	10/Jun/19	9:00	10/Jun/19	18:00	Daily	Waranteee period testing	PWTL	PWTL	R
328	765	765kV Jabalpur -Orai line#1 by Damoh TLM, A/R OFF of circuit-2 and dia to be kept open at both ends	10/Jun/19	9:00	10/Jun/19	18:00	Daily	AMP works	POWERGRID	WR-II	R
329	400	Bus Reactor # 2 Tie Bay (Bay-427) at Itarsi S/S	10/Jun/19	9:00	10/Jun/19	18:00	Daily	For Retrofitting of existing Siemens make 7SV512 LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
330	400	400 KV BUS REACTOR # 1 (63 MVAR ) AT INDORE PS, dia to be kept open	10/Jun/19	9:00	10/Jun/19	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R
331	220	203 Main bay of Satna#1 at Satna	10/Jun/19	9:00	10/Jun/19	18:00	Daily	AMP Work	POWERGRID	WR-II	R
332	400	400 kV Sipat-2 Tie Bay (408) at Raipur SS	10/Jun/19	9:30	10/Jun/19	17:30	Daily	For AMP works	WRTS-I	WRTS-I	R
333	765	765kV Kotra # 1 & AT#2 (705) Tie Bay at Tamnar PS	10/Jun/19	10:00	10/Jun/19	18:00	Daily	For damper replacement of 70552 CB	WRTS-I	WRTS-I	R
334	400 KV	DGEN 400kV Bus A	10/Jun/19	8:00	11/Jun/19	18:00	Daily	Offline washing of Bus A equipments and bus gantry insulators.	TPL - DGEN	TPL - DGEN	R
335	400	CGPL Mundra 400kV 422 52 Main breaker of Mundra Jetpur-1 line.	10/Jun/19	8:00	11/Jun/19	20:00	Daily	Breaker testing and PM	CGPL	CGPL	R
336	400	DHULE - SSSNL I & II	10/Jun/19	09:00	11/Jun/19	17:00	Daily	PID Testing of insulators	MSETCL	MSETCL	400kV SSSNL-1 & 2 A/R
337	765KV	765/400kv ICT-1 Main Bay 765kv side -706 at Champa PS	10/Jun/19	9:00	11/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
338	765	765kV BILASPURI & ICT1_TIE_BAY_711 AT SEONI	10/Jun/19	9:00	11/Jun/19	18:00	Continuous	FOR AMP WORK	WRTS-1	WRTS-1	R
339	400	315MVA Transformer-IV at 400KV S/s Bhopal	10/Jun/19	8:00	12/Jun/19	18:00	C	For attending oil leakage from transformer by M/s BHEL and attending problem of 33KV Tertiary isolator	MP_SLDC	MP_SLDC	
340	400	400KV Main Bus - 1 at 400KV S/s Nagda	10/Jun/19	8:00	12/Jun/19	18:00	C	For replacement of disc insulator strings	MP_SLDC	MP_SLDC	
341	400KV	70MVA Station transformer-7 ,400KV Phase-4 switchyard APMuL Mundra	10/Jun/19	9:30	12/Jun/19	18:00	Continuous	Annual routine Transformer and 4081 Main & 4080 tie bay Maintenance. APMuL Mundra	APMuL	APMuL	Routine
342	400	400KV KORADI-BHUSAWAL (Bhusawal end)	10/Jun/19	08:00	14/Jun/19	18:00	Continuous	Restraining of conductor of all three phases of 400 kv Koradi-Bhusawal line due to conversion of Meter gauge to Broad gauge	MSETCL	MSETCL	400 kV Akola-Bhusawal. 400 R
343	400	404, gandhar#2 Main Bay at Dehgam	10/Jun/19	8:00	16/Jun/19	18:00	Cont.	Breaker retrofitting	POWERGRID	WR-II	R
344	400	TBC @ BABHALESHWAR	10/Jun/19	09:00	17/Jun/19	17:00	Continuous	Quarterly Maintenance work & Servicing and alignment of PG isolators work	MSETCL	MSETCL	TBC is free 400kV main
345		Orai (765KV)-JABALPUR2	10/Jun/19	09:00	10/Jun/19	18:00	DAILY	For Fine tuning of CSD relay available for associated line	NRPC	POWERGRID	
346		220 KV Budhipadar-Korba Ckt-1	10/Jun/19	10:00:00	10/Jun/19	12:00:00	ODB	For PMU integration	ERPC	ER-II/Odisha	
347	765	765kV Jabalpur-Bhopal Line along with associated switchable Line Reactor at pooling station Jabalpur, dia to be kept open at Main Bus#1 at Vadodara	11/Jun/19	9:00	11/Jun/19	18:00	Daily	Replacement of multiple LA stool by single insulated base	POWERGRID	WR-II	R
348	400		11/Jun/19	10:00	11/Jun/19	18:00	Daily	For Busbar SF6 Gas Zone testing & AMP	POWERGRID	WR-II	R
349	765	765kV S/C Bhopal-Indore Line with line reactor(with main and tie bays)	11/Jun/19	7:00	11/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
350	400	Rewa - Jabalpur # 1 Line at Jabalpur(Sukha)	11/Jun/19	9:00	11/Jun/19	9:30	Daily	To isolate L/R at Jabalpur	POWERGRID	WR-II	R
351	400	Rewa - Jabalpur # 1 Line Reactor at Jabalpur(Sukha)	11/Jun/19	9:00	12/Jun/19	18:00	Cont.	Residual Life Assessment test of Line Reactor	POWERGRID	WR-II	R
352	765	765 kV Bhuj-Banaskantha # 1 with Line Reactor at Bhuj SS, dia to be kept open at both ends	11/Jun/19	9:00	12/Jun/19	18:00	Daily	RTV Coating	POWERGRID	WR-II	C
353	765	765 KV BUS REACTOR 2 at Indore PS, dia to be kept open	11/Jun/19	10:00	11/Jun/19	14:00	Daily	For taking out Y -phase of BR-2 for MOG replacement, spare reactor shall be in service in place of Y-phase reactor	POWERGRID	WR-II	R
354	400	400kV 125MVAR Bus reactor at Bhopal	11/Jun/19	7:00	11/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
355	400	400kV LARA(NTPC)-CHAMPA II	11/Jun/19	8:30	11/Jun/19	19:00	Daily	Installation of missing Grading ring at Loc.No. 195 (12) & broken insulator replacement work at Loc. No. 239. Ckt-1 A/R	WRTS-1	WRTS-1	R
356	765	765kV D'JAIGARH-JHARSUGUDA III	11/Jun/19	9:00	11/Jun/19	18:00	Daily	For Replacement of Broken Insulator, ckt-4 A/R to be kept in Non auto mode & D'garh end dia to be kept open for bay & line	WRTS-I	WRTS-I	R
357	400	125 MVAR BUS REACTOR-2 at Khandwa SS, dia to be kept open on both sides.	11/Jun/19	9:00	11/Jun/19	18:00	Daily	For AMP work	POWERGRID	WR-II	R
358	400 KV	400kV TARAPUR-PADGHE 1	11/Jun/19	10:00	11/Jun/19	18:00	DAILY	For AMP Works at MSETCL PADGHE HVDC end	WRTS-I	WRTS-I	R
359	400	400kV Bus Reactor#2 at Gwalior	11/Jun/19	10:00	11/Jun/19	18:00	Daily	For control of Bus Reactor from STATCOM Controller	POWERGRID	WR-II	R
360	765	SWITCHABLE LR_765kV_Rajnandgaon#1 at Bilaspur PS	11/Jun/19	9:00	14/Jun/19	18:00	Daily	Intergration of spare Reactor selection scheme with switchable Rajnandgaon#1 LR and trial and final tuning of CSD on reactor	WRTS-I	WRTS-I	C
361	765	765 kV_MAIN_BUS_1_KOTRA PS	11/Jun/19	6:00	17/Jun/19	18:00	CONTINUOUS	Erection, Testing & Energization of new sectionaliser bays	WRTS-1	WRTS-1	C
362	765	TIE BAY - 702 OF BUS REACTOR AND 765/400kV 1500MVA ICT @ AKOLA 2	11/Jun/19	09:00	19/Jun/19	14:00	Daily	Installation of CBS Lite in breakers	MEGPTCL	MEGPTCL	Installation of CBS Lite in R
363	400	400 kV Bus Reactor at Vindhychal(p), dia to be kept open.	11/Jun/19	7:00	11/Jun/19	14:00	Daily	Bus Reactor AMP work	POWERGRID	WR-II	R
364	400	400 kV SSP - Rajgarh - 1 (Auto reclose of 400 kv SSP- Rajgadth No. 2 will remain out)	11/Jun/19	7:00	11/Jun/19	18:00	Daily	Maintenance work	NCA	GETCO	
365	400	400 kV Amreli Hadala line	11/Jun/19	8:00	11/Jun/19	18:00	Daily	Line maintenance and bay water washing work	GETCO	GETCO	
366	400	400kV SEONI-KHANDWA I	11/Jun/19	8:00	11/Jun/19	18:00	Daily	For line AMP works & ckt-2 A/R to be kept in Non auto mode & Seoni ends dia to be kept open for bays & line equipment	WRTS-II	WRTS-I	R

367	400	400kV WARORA-PARLI II	11/Jun/19	8:00	11/Jun/19	18:00	Daily	For AMP works & Ckt-1 A/R to be kept in Non auto mode & Both ends dia to be kept open for bays & line equipment AMP	WRTS-I	PWTL	R
368	765	MAIN BAY (712) OF AKOLA CKT - 2 @ KORADI 3	11/Jun/19	09:00	11/Jun/19	14:00	Daily	SF6 Gas Analysis of Breaker	MEGPTCL	MEGPTCL	SF6 Gas Analysis of
369	220	220kV Sabalgarh-Adani	11/Jun/19	9:00	11/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
370	400	404 Bay ( 400KV Pune GIS # 1 Main bay (404) at Pune (Talegaon)	11/Jun/19	9:00	11/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	R
371	765kV	707-Bus Reactor at RRWTL-765kV Rajnandgaon SS	11/Jun/19	9:00	11/Jun/19	18:00	Daily	4-5 times live switching operation required for commissioning of PWC600 Relay of 707 Bus Reactor I For Main-707CB & Tie- For erection of inline Tower crossing NHAI at loc no. 10-11	RRWTL	RRWTL	Routine
372	220	OSMANABAD - PARLY (PG)	11/Jun/19	09:00	11/Jun/19	18:00	Daily		MSETCL	MSETCL	-
373	400	400kV Boisar 2 Main Bay 427 at Aurangabad	11/Jun/19	9:00	11/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
374	765	SWITCHABLE LR_765kV_SOLAPUR_PUNE(GIS)	11/Jun/19	9:00	11/Jun/19	18:00	DAILY	Modification of neutral jumper to twin conductor.	WRTS-I	WRTS-I	R
375	220	220kV Damoh-Sagar#1 bay (208 Bay) at Damoh S/S, line will be out of service	11/Jun/19	9:00	11/Jun/19	18:00	Daily	AMP work	POWERGRID	WR-II	R
376	400	Bus Reactor # 2 Main Bay (Bay-426) at Itarsi S/S	11/Jun/19	9:00	11/Jun/19	18:00	Daily	For Retrofitting of existing Siemens make 7SV512 LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
377	400	400 KV BUS REACTOR # 2 (125 MVAR ) AT INDORE PS, dia to be kept open.	11/Jun/19	9:00	11/Jun/19	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R
378	400	Satna-Bina#1 Line alongwith Line reactor(Non switchable reactor) at Bina, dia to be kept open on both sides. A/R OFF of	11/Jun/19	9:15	11/Jun/19	17:30	Daily	For AMP of Line reactor and Line reactor will be out of service alongwith Line .	POWERGRID	WR-II	R
379	220	220 kV ICT-1 Bay (201) at Raipur SS	11/Jun/19	9:30	11/Jun/19	17:30	Daily	For AMP works	WRTS-I	WRTS-I	R
380	765	765kV ICT#2 (706) Main Bay at Tamnar PS	11/Jun/19	10:00	11/Jun/19	18:00	Daily	For damper replacement of 70652 CB	WRTS-I	WRTS-I	R
381	400	400KV Shujalpur-Bina Ckt-II Main Bay (406) at Shujalpur. ( Line will be service though Tie bay)	11/Jun/19	10:00	11/Jun/19	18:00	Daily	Vizimax make CSD relay removal work.	POWERGRID	WR-II	C
382	400	400KV Korba Vindychal-2 line outagee and Bay at NTPC korba end.	11/Jun/19	8:00	12/Jun/19	18:30	Daily	For Bay PM	WRTS-2	NTPC	R
383	765 kV	ICT3_765/400kv_WARDHA	11/Jun/19	9:00	12/Jun/19	18:00	Daily	For Spare ICT commissioning	WRTS-I	WRTS-I	R
384	400	400/220 kV ICT # 1 at Bhuj SS, dia to be kept open on both sides.	11/Jun/19	9:00	12/Jun/19	18:00	Daily	RTV Coating.	POWERGRID	WR-II	C
385	400	400kV,TIE Transformer#1 Bay No.400-7 & 8 at SASAN	11/Jun/19	8:00	13/Jun/19	20:00	Continuous	Equipment Yearly Maintenance	SASAN	RELIANCE	R
386	400	PADGHE - KALWA 1	11/Jun/19	09:00	20/Jun/19	18:00	Daily	PID Testing work for line Insulator strings at various locations.	MSETCL	MSETCL	Auto-Reclose function to be
387		220 KV Budhipadar-Korba Ckt-2	11/Jun/19	10:00:00	11/Jun/19	12:00:00	ODB	For PMU integration	ERPC	ER-II/Odisha	
388	400	Itarsi-Indore # 2 Line, dia to be kept open at Itarsi	12/Jun/19	9:00	12/Jun/19	18:00	Daily	For AMP Works and Retrofitting of Conventional REF Relay with Numerical REF Relay of Siemens make (Model: 7SJ802).	POWERGRID	WR-II	R
389	220	220kV Bus-1 (All feeders/ICTs will remain charged through Bus-2) at Bhachau	12/Jun/19	8:00	12/Jun/19	18:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
390	400	Bina-Bina-4 Main bay at 400 KV MPPTCL Bina	12/Jun/19	9:15	12/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
391	400	400 kV Vadavi - Dehgam - 2 (Auto reclose of 400 kV dehgam - vadavi - 1 will remain out)	12/Jun/19	8:00	13/Jun/19	18:00	DAILY	Line maintenance work	GETCO	GETCO	
392	765	713R (765KV ORAI LINE REACTOR Bay) at Gwalior	12/Jun/19	10:00	12/Jun/19	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R
393	765	704 Main Bay of Indore Line at Vadodara	12/Jun/19	10:00	12/Jun/19	18:00	Daily	For Bay AMP work	POWERGRID	WR-II	R
394	400	Rewa - Jabalpur # 1 Line at Jabalpur(Sukha)	12/Jun/19	17:00	12/Jun/19	18:00	Daily	For taking LR in to service	POWERGRID	WR-II	R
395	765	765kV Gwalior-Orai	12/Jun/19	9:00	12/Jun/19	17:00	Daily	Variable frequency tan delta of Aligarh-2 Line Reactor bushings. This Line Reactor has Electrical clearance issue with	POWERGRID	NR-III	R
396	400	400KV Shujalpur-Bina Ckt-I Main Bay (401) at Shujalpur. ( Line will be service though Tie bay)	12/Jun/19	10:00	12/Jun/19	18:00	Daily	Vizimax make CSD relay removal work.	POWERGRID	WR-II	C
397	765	765KV ICT 1 MAIN BAY (713) AT DHARAMJAYGARH(KORBA) SS	12/Jun/19	9:00	12/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
398	765	BUS REACTOR_765kV_330MVAR_WARORA_PWTL	12/Jun/19	9:00	12/Jun/19	18:00	Daily	Reactor Warantee period testing	PWTL	PWTL	R
399	765	765KV Bus Reactor#2 at Pooling station.jabalpur, dia to be kept open	12/Jun/19	9:00	12/Jun/19	18:00	Daily	Swapping of Oil leakage Reactor with spare reactor	POWERGRID	WR-II	R
400	220	KALMESHVAR-PANDHURNA	12/Jun/19	08:00	12/Jun/19	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL	Outage will be availed subject
401	400	400kV SEONI-KHANDWA II	12/Jun/19	8:00	12/Jun/19	18:00	Daily	For line AMP works & ckt-1 A/R to be kept in Non auto mode & Seoni ends dia to be kept open for bays & line equipment	WRTS-II	WRTS-I	R
402	220	220kv Tarapur-Boisar line at Boisar	12/Jun/19	9:00	12/Jun/19	14:00	Daily	Main-1 relay replacement & For tripping and A/R Trials of Main-1 relay (Line will be out of service)	POWERGRID	WR-II	R
403	220	214 Khadoli Main Bay at Vapi,line will be in service through TBC	12/Jun/19	9:00	12/Jun/19	17:00	Daily	For AMP- Terminal Tightness work	POWERGRID	WR-II	R
404	400	PARLI-SOLAPUR (LAMBOTI)	12/Jun/19	09:00	12/Jun/19	17:00	Daily	C&Tan Delta of CT, Bay maintenance,Line maintenance.	MSETCL	MSETCL	-
405	132	MANSAR-PENCH	12/Jun/19	09:00	12/Jun/19	17:00	Daily	Replacement of Jumper	MSETCL	MSETCL	Outage will be availed subject
406	765kV	Bay 701-LR Main Bay of Warora Ckt-1 Switchable Reactor	12/Jun/19	9:00	12/Jun/19	18:00	Daily	For off load timing test of 701-LR CB and to integrate required wiring modification and settings in relay.	RRWTL	RRWTL	Routine
407	765	765kV ICT1_MAIN_BAY_712 AT SEONI	12/Jun/19	9:00	12/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
408	400	400 Kv Wardha- Raipur #2 Main Bay (412) at Wardha	12/Jun/19	9:00	12/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
409	765	724 Main Bay of Wardha #4 at Durg PS	12/Jun/19	9:00	12/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
410	400	400/38.5kV STATCOM COUPLING T/F_431T at Solapur	12/Jun/19	9:00	12/Jun/19	18:00	DAILY	MSR-1_604_89AE Alignment works.	WRTS-I	WRTS-I	R
411	765	ICT2_765/400kv_WARORA_PWTL	12/Jun/19	9:00	12/Jun/19	18:00	Daily	Warantee period testing	PWTL	PWTL	R
412	400	315 MVA ICT #1 at Itarsi, dia to be kept open.	12/Jun/19	9:00	12/Jun/19	18:00	Daily	For AMP Works and Retrofitting of Conventional REF Relay with Numerical REF Relay of Siemens make (Model: 7SJ802)	POWERGRID	WR-II	R

413	765	765 KV BUS REACTOR # 1 (240 MVAR) AT INDORE PS, dia to be kept open	12/Jun/19	9:00	12/Jun/19	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R
414	765	703 Main bay of Bina#1 At Satna	12/Jun/19	9:00	12/Jun/19	18:00	Daily	AMP Work	POWERGRID	WR-II	R
415	400	400kV Dhule (BDTCL)-Dhule MSETCL line 2	12/Jun/19	9:00	12/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
416	400	400 kV NSPCL-2 Tie Bay (435) at Raipur SS	12/Jun/19	9:30	12/Jun/19	17:30	Daily	For AMP works	WRTS-I	WRTS-I	R
417	400	SOLAPUR PG - ALKUD	12/Jun/19	10:00	12/Jun/19	17:00	Daily	Quarterly Maint. Work & Diagnostic Testing Work	MSETCL	MSETCL	NA
418	400	MAIN BUS - 2 @ LAMBOTI	12/Jun/19	10:00	12/Jun/19	18:00	Continuous	Diagnostic Testing	MSETCL	MSETCL	Load will be managed on R
419	765	765kV Bus Reactor (707) Main Bay at Tamnar PS	12/Jun/19	10:00	12/Jun/19	18:00	Daily	For damper replacement of 70752 CB	WRTS-I	WRTS-I	R
420	400	Main Bus#2 at Vadodara	12/Jun/19	10:00	12/Jun/19	18:00	Daily	For Busbar SF6 Gas Zone testing & AMP	POWERGRID	WR-II	R
421	400	400 KV DGEN Navsari 1 at Navsari	12/Jun/19	10:00	12/Jun/19	18:00	Daily	AMP works at Navsari GIS	POWERGRID	WR-II	R
422	400	Kasor- Rajgarh-2 line at Kasor by Pirana	12/Jun/19	10:00	12/Jun/19	18:00	Daily	For AMP work of line terminal equipments and bay	POWERGRID	WR-II	R
423	400	STATCOM Coupling Transformer at Gwalior, dia to be kept open	12/Jun/19	10:00	12/Jun/19	18:00	Daily	For commissioning of Spare Bank	POWERGRID	WR-II	C
424	765 KV	BUS REACTOR_765kV_240MVAR_PADGHE(GIS)	12/Jun/19	11:00	12/Jun/19	12:00	DAILY	For taking Spare Reactor into service as Y Ph Bus Reactor.	WRTS-I	WRTS-I	R
425	400 KV	DGEN 400kV Bus B	12/Jun/19	8:00	13/Jun/19	18:00	Daily	Offline washing of Bus B equipments and bus gantry insulators.	TPL - DGEN	TPL - DGEN	R
426	400	CGPL Mundra 400kV 63MVAR Bus Reactor.	12/Jun/19	8:00	13/Jun/19	20:00	Daily	Breaker testing and Reactor PM	CGPL	CGPL	R
427	765	765/400 KV ICT #1 at Banaskantha , dia to be kept open on both sides	12/Jun/19	9:00	13/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
428	400 kV	400kV WARDHA-MAUDA I	12/Jun/19	9:00	13/Jun/19	18:00	Daily	For line AMP works. Ckt-2 A/R to be keep in Non auto mode & Wardha end dia to be kept open for bays & line equipment AMP	WRTS-I	WRTS-I	R
429	220	EKALAHARA(OCR)-NAVASARI II	12/Jun/19	08:00	19/Jun/19	18:00	Continuous	string repacement by long rod polymer if made available by CO	MSETCL	MSETCL	-
430	400	400 KV Khedamara-Marwa Line at 400 KV S/s Khedamara.	12/Jun/19	8:00	12/Jun/19	17:00	Daily	Annual Maintenance Programme.	CSPTCL	CSPTCL	R
431		Orai (765KV)-Gwalior-WR (765KV)S/C	12/Jun/19	09:00	12/Jun/19	17:00	DAILY	Variable frequency tan delta of Aligarh-2 Line Reactor bushings. This Line Reactor has Electrical clearance issue with Orai-ADD	NRPC	POWERGRID	
432		RAPS-C(400KV)-SHUJALPUR-WR (400KV)2	12/Jun/19	08:00	12/Jun/19	20:00	CONTINUOUS	Annual maintenance of 50 MVAR line reactor at RADD	NRPC	POWERGRID	
433		765 KV Sundargarh - Dharamajgarh Ckt-III	12/Jun/19	7:00:00	12/Jun/19	17:00:00	ODB	TL Maintenance works	ERPC	ER-II/Odisha	
434		220 KV Budhipadar-Korba Ckt-3	12/Jun/19	10:00:00	12/Jun/19	12:00:00	ODB	For PMU integration	ERPC	ER-II/Odisha	
435	765	765KV Jabalpur-Bhopal Line along with associated switchable Line Reactor at pooling station Jabalpur, dia to be kept open at 220kV Bus-1 (All feeders/ICTs will remain charged through Bus-2) at Bhachau	13/Jun/19	9:00	13/Jun/19	18:00	Daily	Replacement of multiple LA stool by single insulated base	BDTCL	PGCIL	R
436	220	220kV Bus-1 (All feeders/ICTs will remain charged through Bus-2) at Bhachau	13/Jun/19	8:00	13/Jun/19	18:00	Daily	For application of Silicon grease/RTV in bay equipment (bus isolator)	POWERGRID	WR-II	R
437	400	LBB & BUSBAR PROTECTION OUT FOR MAIN BUS - 1 & 2 @ LONIKAND 2	13/Jun/19	07:00	13/Jun/19	18:00	Daily	400 kV online Bus bar testing	MSETCL	MSETCL	400 kV Main Bus 1 & 2 will R
438	400	R'Pura-2 Main Bay 410 at Bhachau	13/Jun/19	8:00	13/Jun/19	13:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
439	400	R'Pura-2 BR-1 Tie Bay 411 at Bhachau	13/Jun/19	15:00	13/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
440	400	400kV Bus-1 at Banaskantha	13/Jun/19	9:00	13/Jun/19	15:00	Daily	Pre Monsoon activities & attending hotspots	POWERGRID	WR-II	R
441	765	Gwalior-Bina #1 Line along with Line reactor (Non switchable reactor) at Bina, dia to be kept open on both sides	13/Jun/19	9:15	13/Jun/19	17:30	Daily	For AMP of Line reactor and Line reactor will be out of service analog with Line	POWERGRID	WR-II	R
442	400	400 kV, 63 MVAR Bus Reactor - 1 at Jabalpur(Sukha), dia to be kept open.	13/Jun/19	9:00	14/Jun/19	18:00	Cont.	Residual Life Assessment test of Line Reactor	POWERGRID	WR-II	C
443	400	315MVA ICT-1 at 400KV S/s Indore	13/Jun/19	9:00	16/Jun/19	18:00	C	For pre monsoon maintenance and testing of transformer , replacement of 400KV isolator under PSDF (transformer-1 will	MP_SLDC	MP_SLDC	
444	400	400KV Main Bus-1 at 400KV S/s Bina	13/Jun/19	8:00	21/Jun/19	17:00	C	For replacement of PG isolator & circuit breaker	MP_SLDC	MP_SLDC	
445	400	VSTPS BUS #5	13/Jun/19	8:00	13/Jun/19	18:30	Continuous	Hot Spot rectification of Bus-5 (Under Observation)	NTPC	NTPC	R
446	765	765kV D'JAIGARH-JHARSUGUDA IV	13/Jun/19	9:00	13/Jun/19	18:00	Daily	For Replacement of Broken Insulator, ckt-3 A/R to be keep in Non auto mode & D'zrh end dia to be kept open for bay & line	WRTS-I	WRTS-I	R
447	400	400kV Bus Reactor#3 at Gwalior	13/Jun/19	10:00	13/Jun/19	18:00	Daily	For control of Bus Reactor from STATCOM Controller	POWERGRID	WR-II	R
448	400	VSTPS BUS COUPLER#3 BAY (Stage-III, Bay No. 35)	13/Jun/19	8:00	14/Jun/19	18:30	Continuous	Annual Bay Maintenance	NTPC	NTPC	R
449	400	400kV KORBA-BHILAI I	13/Jun/19	8:00	22/Jun/19	18:00	CONTINUOUS	Diversion work of line due to ash dyke of Maruti Clean Project Power Limited	WRTS-I	M/s JOGEWAR CONSTRUCTION	C
450	765	765kV Jabalpur -Orai line#2 by Damoh TLM, A/R OFF of circuit-1 and dia to be kept open at both ends	13/Jun/19	9:00	13/Jun/19	18:00	Daily	AMP work	POWERGRID	WR-II	R
451	400	MAIN BUS - 2 @ CHANDRAPUR	13/Jun/19	09:00	15/Jun/19	18:00	Continuous	1) For replacement of old damaged quadraple bus conductor of Main Bus-II in HVDC- I & II bay section span. 2) For Maintenance work	MSETCL	MSETCL	During outage, all
452	400	400 kV SSP - Rajgarh - 2 (Auto reclose of 400 kv SSP- Rajgadth No. 1 will remain out)	13/Jun/19	7:00	13/Jun/19	18:00	Daily		NCA	GETCO	
453	400	NAGOTHANE - DABHOL 1	13/Jun/19	08:00	13/Jun/19	17:00	Daily	Tree cutting work	MSETCL	MSETCL	...
454	400	400 kV Hadala Vadinar line-1	13/Jun/19	8:00	13/Jun/19	18:00	Daily	Line maintenance and bay water washing work	GETCO	GETCO	
455	400	400 kV Soja - Kansari - 2 (Line yet to be commissioned).	13/Jun/19	8:00	13/Jun/19	18:00	Daily	Maintenance Work.	GETCO	GETCO	
456	765	765kV SEONI-BILASPUR I	13/Jun/19	8:00	13/Jun/19	18:00	Daily	Line AMP Works & Both ends dia to be kept open for bays & line equipment AMP works	WRTS-I	WRTS-I	R
457	400	Jabalpur - Itarsi # 3 Line at Jabalpur(Sukha)	13/Jun/19	9:00	13/Jun/19	9:30	Daily	For taking shut down in LR	POWERGRID	WR-II	R
458	400	400kv Tarapur-Boisar-1 line at Boisar, A/R OFF of circuit-2 and dia to be kept open at both ends.	13/Jun/19	9:00	13/Jun/19	14:00	Daily	Line Equipment AMP	POWERGRID	WR-II	R

459	400	KORADI 2-WARDHA PGCIL	13/Jun/19	09:00	13/Jun/19	17:00	Daily	Routine Maintenance & Dignostic testing work Nut Bolt Tightning work	MSETCL	MSETCL	400KV WARORA-IEPL R
460	220	220KV MSETCL Talegaon # 2 main bay (207) at Pune (Talegaon)	13/Jun/19	9:00	13/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	
461	765kV	701-Warora Line-1 Reactor at RRWTL-765kV Rajnandgaon SS	13/Jun/19	9:00	13/Jun/19	18:00	Daily	4-5 times on load switching operation required for commissioning of CSD (PWC600 Relay) of 701 Warora Line-1	RRWTL	RRWTL	Routine
462	400	400 kV Veloda - Charanka - 1 line	13/Jun/19	9:00	13/Jun/19	18:00	DAILY	Line and bay equipment maintenance work	GETCO	GETCO	
463	400	400KV ISP-Indore 1	13/Jun/19	9:00	13/Jun/19	18:00	D	Annual Maintenance work & Relay Testing work	MP_SLDC	MP_SLDC	
464	400	400kV AURANGABAD (PG) -AKOLA I	13/Jun/19	9:00	13/Jun/19	18:00	Daily	Insulator replacement of punched insulator, Ckt-2 A/R to be kept in Non auto mode & Both ends dia to be kept open for CB DCRM to be carried out as a part of warranty test.	WRTS-I	WRTS-I	R
465	38.5	38.5KV_MSR-1_BAY_604 at Solapur	13/Jun/19	9:00	13/Jun/19	18:00	DAILY		WRTS-I	WRTS-I	R
466	765	765kV GADARWARA-WARORA Line-I alongwith LR at PWTL Warora	13/Jun/19	9:00	13/Jun/19	18:00	Daily	Line AMP work	PWTL	PWTL	R
467	400	Satna-Bina#3 Line alongwith Line reactor(Non switchable reactor) at Bina, dia to be kept open, A/R OFF of ckt-4	13/Jun/19	9:15	13/Jun/19	17:30	Daily	For AMP of Line reactor and Line reactor will be out of service alongwith Line	POWERGRID	WR-II	R
468	400	400 kV Durg-1 Main Bay (445) at Raipur SS	13/Jun/19	9:30	13/Jun/19	17:30	Daily	For AMP works	WRTS-I	WRTS-I	R
469	765	765kV Bus Reactor & ICT#3 (708) Tie Bay at Tamnar PS	13/Jun/19	10:00	13/Jun/19	18:00	Daily	For damper replacement of 70852 CB	WRTS-I	WRTS-I	R
470	400	400 KV DGEN Navsari 2 at Navsari	13/Jun/19	10:00	13/Jun/19	18:00	Daily	AMP works at Navsari GIS	POWERGRID	WR-II	R
471	400	Kasor- Rajgarh-1 line at Kasor by Pirana	13/Jun/19	10:00	13/Jun/19	18:00	Daily	For AMP work of line terminal equipments and bay	POWERGRID	WR-II	R
472	765KV	765/400kv ICT-4 Main Bay 765kv side -717 at Champa PS	13/Jun/19	9:00	14/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
473	400	400/220 kV ICT # 2 at Bhuj SS,dia to be kept open on both sides	13/Jun/19	9:00	14/Jun/19	18:00	Daily	RTV Coating.	POWERGRID	WR-II	C
474	400	Jabalpur - Itarsi # 3 Line Reactor at Jabalpur(Sukha)	13/Jun/19	9:00	14/Jun/19	18:00	Cont.	Residual Life Assesment test of Line Reactor	POWERGRID	WR-II	R
475	400	400KV Main Bus - II at 400KV S/s Nagda	13/Jun/19	8:00	15/Jun/19	18:00	C	For replacement of disc insulator strings	MP_SLDC	MP_SLDC	
476	400	Jabalpur # 4 Tie Bay at Itarsi SS (Bay-408)	13/Jun/19	9:00	15/Jun/19	18:00	Cont.	For retrofitting of existing 7VK512 Auto Reclose relay, 7SV512 LBB relays with Numerical P442 relays and replacement of old	POWERGRID	WR-II	R
477	400KV	70MVA Station transformer-8 ,400KV Phase-4 switchyard APMuL, Mundra	13/Jun/19	9:30	15/Jun/19	18:00	Continuous	Annual routine Transformer and 4091 Main & 4090 tie bay Maintenance. APMuL, Mundra	APMuL	APMuL	Routine
478	400	JAIGAD-NEW KOYNA- I & II BOTH IN NON-AUTO MODE	13/Jun/19	09:00	18/Jun/19	18:00	Daily	Hotline washing	JPTL	JPTL	Online permit for Hotline
479	400 KV	Dhariwal- Bhadravati 400 KV Tr. Line	13/Jun/19	8:00:00	13/Jun/19	18:00:00	Daily	Outage for Suspension Pilot clamp and Jumper Pad n&bs tightening works, other line related maintenance work, A/R of Dhariwal-Parli Ckt-1 AMP WORK	WRTS-I	Dhariwal Infrastructure Ltd.	
480		Orai (765KV)-JABALPUR2	13/Jun/19	09:00	13/Jun/19	18:00	DAILY		NRPC	POWERGRID	
481		RAPS-C(400KV)-SHUJALPUR-WR (400KV)1	13/Jun/19	08:00	13/Jun/19	20:00	CONTINUOUS	Annual maintenance of 50 MVAR line reactor at PADD	NRPC	POWERGRID	
482		MORAK (220KV)-BAROD (220KV)	13/Jun/19	09:30	13/Jun/19	16:00	DAILY	QUARTERLY MAINTENANCE WORK	NRPC	RRVPN	
483		765 KV Sundargarh - Dharamajgarh Ckt-IV	13/Jun/19	7:00:00	13/Jun/19	17:00:00	ODB	TL Maintenance works	ERPC	ER-II/Odisha	
484	400	400kV ICT-2 Main Bay (406) at Bhachau	14/Jun/19	8:00	14/Jun/19	12:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
485	765	705 Tie Bay of Indore Line at Vadodara	14/Jun/19	10:00	14/Jun/19	18:00	Daily	For Bay AMP work	POWERGRID	WR-II	R
486	400	Kansari- Wadavi line at Wadavi by Pirana	14/Jun/19	10:00	14/Jun/19	18:00	Daily	For AMP work of line terminal equipments and bay	POWERGRID	WR-II	R
487	400	400kV R'pura-1 Main Bay (407) at Bhachau	14/Jun/19	15:00	14/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
488	400	400kV Bus-II at Banaskantha	14/Jun/19	9:00	14/Jun/19	15:00	Daily	Pre Monsoon activities & attending hotspots	POWERGRID	WR-II	R
489	765	765KV ICT 2 TIE BAY (717) AT DHARAMJAYGARH(KORBA) SS	14/Jun/19	9:00	14/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
490	765	765 kV Vindhychal-Satna 1 Line along with swichable Reactor at Vindhychal(m), dia to be kept open at both ends	14/Jun/19	7:00	14/Jun/19	18:00	Daily	AMP work	POWERGRID	WR-II	R
491	765	765kV BUS_REACTOR_MAIN_BAY_713 AT SEONI	14/Jun/19	9:00	14/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
492	400	400kV BUS-I at Damoh S/S.	14/Jun/19	9:00	14/Jun/19	18:00	Daily	AMP work	POWERGRID	WR-II	R
493	400	429 Vchal 4 Tie Bay at Vindhychal(p)	14/Jun/19	7:00	14/Jun/19	14:00	Daily	Bay AMP work	POWERGRID	WR-II	R
494	400	NAGOTHANE - DABHOL 2	14/Jun/19	08:00	14/Jun/19	17:00	Daily	Tree cutting work	MSETCL	MSETCL	...
495	400	400 kV Hadala Vadinar line - 2	14/Jun/19	8:00	14/Jun/19	18:00	Daily	Line maintenance and bay water washing work	GETCO	GETCO	
496	400	220 kV Charadva Bhimasar line 1	14/Jun/19	8:00	14/Jun/19	18:00	Daily	Line maintenance work	GETCO	GETCO	
497	400	B - BUS @ KHARGHAR	14/Jun/19	08:00	14/Jun/19	18:00	Daily	Routine maintenance and diagnostic testing work	MSETCL	MSETCL	...
498	400	DHULE - SSSNNL 1 ALONGWITH AR OF CKT 2 IN NON-AUTO MODE	14/Jun/19	08:00	14/Jun/19	18:00	Daily	Replacement of Insulator String found Suspicious in PID	MSETCL	MSETCL	400kV SSSNNL-2 A/R switch R
499	765	765kV SEONI-BILASPUR II	14/Jun/19	8:00	14/Jun/19	18:00	Daily	Line AMP Works & Both ends dia to be kept open for bays & line equipment AMP works	WRTS-I	WRTS-I	R
500	765	708 tie bay of Bus reactor at Dhule BDTCL	14/Jun/19	8:00	14/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
501	220	BORIVALI - TARAPUR	14/Jun/19	09:00	14/Jun/19	17:00	Daily	Routine and Maintenance work	MSETCL	MSETCL	Routine and Maintenance
502	220	220KV Malanpur-Auraiya	14/Jun/19	9:00	14/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
503	765kV	Bay 704-LR Main Bay of Warora Ckt-2 Switchable Reactor	14/Jun/19	9:00	14/Jun/19	18:00	Daily	For off load timing test of 704-LR CB and to integrate required wiring modification and settings in relay.	RRWTL	RRWTL	Routine
504	400	EKTUNI - BABLESHWAR CKT 2	14/Jun/19	09:00	14/Jun/19	18:00	Daily	Diagnostic/Relay Testing, Routine Maintenance	MSETCL	MSETCL	400kV Bhabaleshwar

505	400	400KV ISP-Indore II	14/Jun/19	9:00	14/Jun/19	18:00	D	Annual Maintenance work & Relay Testing work	MP_SLDC	MP_SLDC	
506	220	220KV Pandhurna-Kamleshwar	14/Jun/19	9:00	14/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
507	400	400kV AURANGABAD(PG)-AURANGABAD(MSETCL) I	14/Jun/19	9:00	14/Jun/19	18:00	Daily	For Line AMP works, Ckt-2 A/R to be kept in Non auto mode & Both ends dia to be kept open for bays & line equipment	WRTS-I	WRTS-I	R
508	765	765kV Bilaspur-Rajnandgaon#1 Line	14/Jun/19	9:00	14/Jun/19	18:00	Daily	AR checking for Main#1 & 2 relay at Bilaspur end	Adani	WRTS-I	C
509	400	400Kv Bus -I at Dharamjaygarh	14/Jun/19	9:00	14/Jun/19	18:00	Daily	Busbar integration & jumper connection for upcoming 400kV Bus reactor	WRTS-I	WRTS-I	C
510	765	720 Tie Bay of Champa #2 at Durg PS	14/Jun/19	9:00	14/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
511	38.5	38.5KV_MSR-2_BAY_605 at Solapur	14/Jun/19	9:00	14/Jun/19	18:00	DAILY	Air core Reactor high Noise issue rectification works.	WRTS-I	WRTS-I	R
512	400	125MVar Bus-Reactor#2 at Damoh S/S, dia to be kept open.	14/Jun/19	9:00	14/Jun/19	18:00	Daily	AMP work	POWERGRID	WR-II	R
513	400	400/220 KV ICT # 1 AT INDORE PS	14/Jun/19	9:00	14/Jun/19	18:00	Daily	FOR CSD COMMISSIONING	POWERGRID	WR-II	R
514	400	400/220 kv ICT-3 at Satna, dia to be kept open on both sides	14/Jun/19	9:00	14/Jun/19	18:00	Daily	AMP Work	POWERGRID	WR-II	R
515	400	TIE BAY - 411 OF WARDHA PGCIL @ KORADI 2	14/Jun/19	10:00	14/Jun/19	17:00	Daily	Tan delta Measurement of Bus CT and DCRM, IR Measurement of CB of Bay 411	MSETCL	MSETCL	400KV Koradi-II_Wardh(PG)
516	400	400 kV Tie Kolhapur MSETCL-1 & Future Tie bay (408) at Kolhapur-GIS	14/Jun/19	10:00	14/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
517	765	765kV ICT-3 (709) Main Bay at Tamnar PS	14/Jun/19	10:00	14/Jun/19	18:00	Daily	For damper replacement of 70952 CB	WRTS-I	WRTS-I	R
518	400	401 Bay Nicol Main bay at Pirana	14/Jun/19	10:00	14/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
519	400	63MVar Nagda-Shujalpur Ckt-II Switchable Line Reactor at Naeda (Line will be scrvice though main and Tie bay)	14/Jun/19	10:00	14/Jun/19	18:00	Daily	AMP work & Commissioning of Vizimax make CSD	POWERGRID	WR-II	C
520	765	765kV Gwalior-Bina#3 Line, Dia to be kept open at both ends	14/Jun/19	10:00	14/Jun/19	18:00	Daily	For alignment of isolator and rectification of interlock problem in isolator	POWERGRID	WR-II	R
521	765 KV	BUS REACTOR_765kV_240MVAR_PADGHE(GIS)	14/Jun/19	11:00	14/Jun/19	12:00	DAILY	For Taking Y Ph Bus Reactor into service and Spare Reactor out of service.	WRTS-I	WRTS-I	R
522	400	400 kV Bus Coupler bay Amreli	14/Jun/19	14:00	14/Jun/19	18:00	Daily	For Bay water washing work	GETCO	GETCO	
523	400	Jabalpur - Itarsi # 3 Line at Jabalpur(Sukha)	14/Jun/19	17:00	14/Jun/19	18:00	Daily	For taking LR in to service	POWERGRID	WR-II	R
524	400 KV	DGEN 400kV Bay 414 and Transfer bus	14/Jun/19	8:00	15/Jun/19	18:00	Continuous	Offline washing of transfer bus equipments and transfer bus gantry insulators.	TPL - DGEN	TPL - DGEN	R
525	220	Kawas-Vav#1 by Navsari	14/Jun/19	8:00	15/Jun/19	18:00	Daily	To facilitate Diversion of Line for NHRCL (Bullet Train) Work.	POWERGRID	WR-II	R
526	400	CGPL Mundra 400kV 413 52 Main breaker of Mundra Bachau-4 line.	14/Jun/19	8:00	15/Jun/19	20:00	Daily	Breaker drive box coating and painting	CGPL	CGPL	R
527	765	765kV ICT2_MAIN_BAY_715 AT SEONI	14/Jun/19	9:00	15/Jun/19	18:00	Continuous	FOR AMP WORK	WRTS-1	WRTS-1	R
528	400 kV	400kV WARDHA-MAUDA II	14/Jun/19	9:00	15/Jun/19	18:00	Daily	For line AMP works. Ckt-1 A/R to be kept in Non auto mode & Wardha end dia to be kept open for bays & line equipment	WRTS-I	WRTS-I	R
529	400 KV	Dhariwal- Parli 400 KV Tr. Line	14/Jun/19	8:00:00	14/Jun/19	18:00:00	Daily	Outage for Suspension Pilot clamp and Jumper Pad n&bs tightening works and other line related maintenance work. A/R of Dhariwal-	WRTS-I	Dhariwal Infrastructure Ltd.	
530	400	Bhachau-Varsana Ckt#2 with Non Auto mode of Ckt-1 and 400kV Bus-B at Varsana SS (Dia to be kept open at both end) by	15/Jun/19	8:00	16/Jun/19	18:00	Daily	For application of Silicon grease/RTV in Line Terminal Equipment equipment at Both ends	POWERGRID	WR-II	R
531	765	765kV main Bus-01 with Bus reactor at Dhule BDTCL	15/Jun/19	8:00	17/Jun/19	19:00	Daily	AMP works and relay testing and bus isolator rectification works	BDTCL	BDTCL	R
532	400	400kV R'pura-1-ICT1 Tie Bay (408) at Bhachau	15/Jun/19	8:00	15/Jun/19	12:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
533	400	400kV ICT-1 Main Bay (409) at Bhachau	15/Jun/19	15:00	15/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
534	765	765kV ICT2 MAIN BAY (716) AT DHARAMJAYGARH(KORBA) SS	15/Jun/19	9:00	15/Jun/19	18:00	Daily	For AMP Works	WRTS-I	WRTS-I	R
535	765	765kV Gwalior-Satna Line at Gwalior, A/R OFF of Gwalior-Orai, Dia to be kept open at both ends	15/Jun/19	10:00	15/Jun/19	18:00	Daily	For alignment of isolator and rectification of interlock problem in isolator	POWERGRID	WR-II	R
536	400	Jabalpur-MB#2 Main Bay(419 bay) at Pooling station.jabalpur	15/Jun/19	9:00	16/Jun/19	18:00	Cont.	For replacement of damaged pole by new one	POWERGRID	WR-II	R
537	400	VSTPS BUS #2	15/Jun/19	8:00	15/Jun/19	18:30	Continuous	Hot Spot rectification of Bus-2 (Under Observation)	NTPC	NTPC	R
538	400	VSTPS ICT#2 BAY (Stage-I, Bay No. 11)	15/Jun/19	8:00	15/Jun/19	18:30	Continuous	Hot Spot rectification of Bus-2 Isolator 89B (Under Observation)	NTPC	NTPC	R
539	400	400kV AURANGABAD (PG) -AKOLA II	15/Jun/19	9:00	15/Jun/19	18:00	Daily	Insulator replacement of punched insulator, Ckt-1 A/R to be kept in Non auto mode & Both ends dia to be kept open for	WRTS-I	WRTS-I	R
540	400	220 kV Charadva Bhimasar line 2	15/Jun/19	8:00	15/Jun/19	18:00	Daily	Line and bay equipment maintenance work	GETCO	GETCO	
541	400	DHULE - SSSNL 2 ALONGWITH AR OF CKT 1 IN NON-AUTO MODE	15/Jun/19	08:00	15/Jun/19	18:00	Daily	Replacement Insulator String found suspicious in PID	MSETCL	MSETCL	400kV SSSNL-1 A/R switch
542	400	400KV BUS REACTOR at Banaskantha , dia to be kept open on both sides	15/Jun/19	9:00	15/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
543	400	PARLI(MS) - PARLI (PG) CKT -2	15/Jun/19	09:00	15/Jun/19	17:00	Daily	Bay maintenance	MSETCL	MSETCL	-
544	220	BOISAR II - PGCIL 2	15/Jun/19	09:00	15/Jun/19	17:00	Daily	Routine and Maintenance work	MSETCL	MSETCL	Routine and Maintenance
545	400	400KV Pune GIS # 1 & 2 Toie bay (405) at Pune (Talegaon)	15/Jun/19	9:00	15/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	R
546	400	400KV ISP-Sarni	15/Jun/19	9:00	15/Jun/19	18:00	D	Annual Maintenance work & Relay Testing work	MP_SLDC	MP_SLDC	
547	220	220KV Mahegaon-Auraiya	15/Jun/19	9:00	15/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
548	400	400Kv Bus -II at Dharamjaygarh	15/Jun/19	9:00	15/Jun/19	18:00	Daily	Busbar integration & jumper connection for upcoming 400kV Bus reactor	WRTS-I	WRTS-I	C
549	38.5	38.5/0.4KV_STATCOM_AUXILIARY_BAY_606 at Solapur	15/Jun/19	9:00	15/Jun/19	18:00	DAILY	Warranty test.	WRTS-I	WRTS-I	R
550	765	765kV GADARWARA-WARORA Line-2 alongwith LR at PWTL Warora	15/Jun/19	9:00	15/Jun/19	18:00	Daily	Line AMP work	PWTL	PWTL	R

551	765	765kV Jabalpur-Vchal#1 Main bay ( 827 Bay) at Pooling station.jabalpur	15/Jun/19	9:00	15/Jun/19	18:00	Daily	Measurement of Timing of Associated Circuit Breaker for feedback purpose of CSD relay	POWERGRID	WR-II	C
552	400	T POWER#2 Line Bay (401) at Vadodara (line not present)	15/Jun/19	10:00	15/Jun/19	18:00	Daily	For Bay AMP work	POWERGRID	WR-II	R
553	400	402 Bay Nicol-ICT-1 Tie bay at Pirana	15/Jun/19	10:00	15/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
554	400	TAPTITANDA - EKTUNI CKT - 2	15/Jun/19	11:00	15/Jun/19	17:00	Daily	Relay testing	MSETCL	MSETCL	NIL
555	400	Jabalpur-Itarsi # 4 Line, dia to be kept open, at Itarsi	15/Jun/19	14:00	15/Jun/19	18:00	Daily	For checking auto reclose and LBB relays after retrofitting works of old relays with Numerical P442 relays.	POWERGRID	WR-II	R
556	400	400 kV 125 MVAR Bus Reactor at Bhuj SS, dia to be kept open	15/Jun/19	9:00	16/Jun/19	18:00	Daily	RTV Coating.	POWERGRID	WR-II	C
557	400	KALWA - TALEGAON (PGCIL) on TBC	15/Jun/19	09:30	17/Jun/19	17:30	Continuous	400 KV CB mechanism overhauling work	MSETCL	MSETCL	400KV KALWA - TALEGAON
558	400	400KV Nagda-Indore	16/Jun/19	8:00	16/Jun/19	18:00	D	For replacement of disc insulator strings	MP_SLDC	MP_SLDC	
559	400	KHARGHAR - TALEGAON (PG)	16/Jun/19	08:00	16/Jun/19	18:00	Daily	Routine maintenance and diagnostic testing work	MSETCL	MSETCL	...
560	220	BOISAR II - PGCIL 3	16/Jun/19	09:00	16/Jun/19	17:00	Daily	Routine and Maintenance work	MSETCL	MSETCL	Routine and Maintenance
561	400	400KV Nagda-Indore	16/Jun/19	8:00	16/Jun/19	18:00	D	For replacement of disc insulator strings	MP_SLDC	MP_SLDC	
562	400	WARORA - Wardha(PG)	16/Jun/19	09:00	16/Jun/19	17:00	Daily	Routine Maintenance & Dignostic testing work Nut Bolt Tightning work	MSETCL	MSETCL	400KV WARORA-IEPL
563	400	400KV Bhopal-Bina-1	16/Jun/19	9:00	16/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
564	765	Main Bay 712 of Gwalior-1 at Bina	16/Jun/19	9:15	17/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
565	765kV	704-Warora Line-2 Reactor at RRWTL-765kV Rajnandgaon SS	16/Jun/19	9:00	16/Jun/19	18:00	Daily	4-5 times on load switching operation required for commissioning of CSD (PWC600 Relay) of 704 Warora Line-1	RRWTL	RRWTL	Routine
566	400	400kV AURANGABAD(PG)-AURANGABAD(MSETCL) II	16/Jun/19	9:00	16/Jun/19	18:00	Daily	For Line AMP works, Ckt-1 A/R to be keep in Non auto mode & Both ends dia to be kept open for bays & line equipment	WRTS-I	WRTS-I	R
567	400	400kV Satna-Bina Ckt#1 by Damoh TLM , A/R OFF of circuit-2 and dia to be kept open at both ends	16/Jun/19	9:00	16/Jun/19	18:00	Daily	Line AMP works	POWERGRID	WR-II	R
568	765	765kV Gwalior-Jaipur#2 Line at Gwalior, A/R OFF of circuit-1 and Dia to be kept Open at both ends	16/Jun/19	10:00	16/Jun/19	18:00	Daily	For alignment of isolator and rectification of interlock problem in isolator	POWERGRID	WR-II	R
569	220	215 Sayali Main Bay at Vapi, line will be in service through TBC	16/Jun/19	9:00	16/Jun/19	17:00	Daily	For AMP- Terminal Tightness work	POWERGRID	WR-II	R
570	400	J P NIGRIE-SATNA-1	16/Jun/19	6:00	16/Jun/19	18:00	Daily	Attending shutdown nature of Works	JP NIGRIE	JP NIGRIE	
571	220	Kawas-Vav#2 by Navsari	16/Jun/19	8:00	17/Jun/19	18:00	Daily	To faciliate Diversion of Line for NHSRCL (Bullet Train) Work.	POWERGRID	WR-II	R
572	400	409 Bay (Main Bay of 400kV B/R-2) at Gwalior	16/Jun/19	7:00	18/Jun/19	18:00	Cont.	Overhauling of CB	POWERGRID	WR-II	R
573		PHAGI (765KV)-GWALIOR-WR (765KV)2	16/Jun/19	10:00	16/Jun/19	18:00	DAILY	For alignment of isolator and rectification of interlock	NRPC	POWERGRID	
574	400	400 kV Mansar - Bhachau line	17/Jun/19	8:00	17/Jun/19	18:00	Daily	Water washing & bay maintenance work	GETCO	GETCO	
575	400	400 KV Jhanor Bus-1	17/Jun/19	8:00	19/Jun/19	18:00	CONTINUOUS	ANNUAL MAINTENANCE(checking and cleaning of BPI, clamp tightness checking/ replacement if any)	NTPC	NTPC	R
576	765	765kV, 701-Main bay of Bhopal-Indore line	17/Jun/19	7:00	17/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
577	400	400KV ISP-Nagda	17/Jun/19	9:00	17/Jun/19	18:00	D	Annual Maintenance work & Relay Testing work	MP_SLDC	MP_SLDC	
578	400	400/220 KV ICT # 2 AT INDORE PS	17/Jun/19	9:00	17/Jun/19	18:00	Daily	FOR CSD COMMISSIONING	POWERGRID	WR-II	R
579	765	765 kV Vindhychal-Satna 2 Line along with swichable Reactor at Vindhychal(n), dia to be kept open at both ends.	17/Jun/19	7:00	17/Jun/19	14:00	Daily	AMP work	POWERGRID	WR-II	R
580	400	TIE BAY (412) OF WARDHA (PG) CKT - 2 & NANDGAON PETH CKT @ AKOLA	17/Jun/19	08:00	17/Jun/19	15:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL	NIL
581	400	EKTUNI - BABLESHWAR CKT 1	17/Jun/19	09:00	17/Jun/19	17:00	Daily	Quarterly Maintenance work & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400 kV Bhusawal.
582	400	401 Bay ( 400KV Chakan Line Main bay (401) at Pune (Talegaon)	17/Jun/19	9:00	17/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	R
583	765	765kV Wardha 2 & Padge 1 Tie bay 711 at Aurangabad	17/Jun/19	9:00	17/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
584	765	765kV BILASPUR2 & ICT3_TIE_BAY_717 AT SEONI	17/Jun/19	9:00	17/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
585	400	400 Kv Wardha- Raipur #2 Tie Bay (411) at Wardha	17/Jun/19	9:00	17/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
586	400	ICT3_400/220kv_SOLAPUR	17/Jun/19	9:00	17/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
587	400	Bus Reactor # 1 Main Bay (Bay-416) at Itarsi S/S	17/Jun/19	9:00	17/Jun/19	18:00	Daily	For Retrofitting of existing ABB make RAICA LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
588	400	Bina-Shujalpur#1 Line alongwith Line reactor(Non switchable reactor) at Bina - A/R OFF ckt-2, dia to be kept open on both	17/Jun/19	9:15	17/Jun/19	17:30	Daily	For AMP of Line reactor and Line reactor will be out of service alongwith Line	POWERGRID	WR-II	R
589	765	765 kV Bhuj - Banaskantha -2 Main Bay (707) at Bhuj SS	17/Jun/19	10:00	17/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
590	400	400KV Pithampur-PGCIL-1	17/Jun/19	10:00	17/Jun/19	17:00	D	For bay equipment maintenance and testing work	MP_SLDC	MP_SLDC	
591	400	400kV TRN Line 1 (403) Main Bay at Tamnar PS	17/Jun/19	10:00	17/Jun/19	18:00	Daily	For AMP Works of TRN line 1 (403) Main Bay	WRTS-I	WRTS-I	R
592	400	403 ICT-1 Main Bay at Pirana	17/Jun/19	10:00	17/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
593	765	765kV Bus Reactor at Gwalior, dia to be kept open	17/Jun/19	10:00	17/Jun/19	18:00	Daily	For alignment of isolator and rectification of interlock problem in isolator	POWERGRID	WR-II	R
594	400	400 Rewa -Jabalpur # 2 Line at Jabalpur(Sukha)	17/Jun/19	11:00	17/Jun/19	13:00	Daily	Replacement of Bay CT	POWERGRID	WR-II	R
595	765	765 kV Bhuj - Banaskantha CKT-2 Tie Bay (708) at Bhuj SS	17/Jun/19	14:00	17/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
596	220	220 kV Vapi- TAPS	17/Jun/19	0:00	17/Jun/19	0:00	Daily	Maintenance work	GETCO		

597	400	CGPL Mundra 400kV 416 52 Main breaker of Mundra Bachau-3 line.	17/Jun/19	8:00	18/Jun/19	20:00	Daily	Breaker drive box coating and painting	CGPL	CGPL	R
598	765	765/400 KV ICT #2 at Banaskantha , dia to be kept open on both sides	17/Jun/19	9:00	18/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
599	400	DHULE- - BABLESHWAR - I & II	17/Jun/19	09:00	18/Jun/19	17:00	Daily	PID testing of insulators	MSETCL	MSETCL	400kV BBLR ckt- 1 & 2
600	400	Main Bay 407 of Rewa - Jabalpur # II at Jabalpur(Sukhal)	17/Jun/19	9:00	18/Jun/19	18:00	Daily	Replacement of Bay CT	POWERGRID	WR-II	R
601	400 KV	DGEN 400KV 315 MVA ICT 1 Bay 408 - energization - Testing of both bus isolator operation before charging	17/Jun/19	10:00	18/Jun/19	15:00	Continuous	ICT 1 routine energisation testing during RSD and shutdown for energy conservation after one day energization	TPL - DGEN	TPL - DGEN	R
602	400	400 kV Bus-A2 & Bus Coupler feeder at TAPS 34	17/Jun/19	9:00	19/Jun/19	18:00	Continuous (along with Continuous)	CB, VT, ES, DS, CT PM checks & Bus bar relay calibration	NPCIL	TAPS34	
603	765	SWITCHABLE_LR_765kV_PARLI1_WARORA_PWTL	17/Jun/19	9:00	19/Jun/19	18:00	Continuous	Replacement of air cell	PWTL	PWTL	R
604	765	SWITCHABLE LR_765kV_Rainandgaon#2 at Bilaspur PS	17/Jun/19	9:00	20/Jun/19	18:00	Daily	Intergration of spare Reactor selection scheme with switchable Rainandgaon#1 LR and trial and final tuning of CSD on reactor	WRTS-I	WRTS-I	C
605	400	400KV AKOLA-BHUSAWAL (Bhusawal end)	17/Jun/19	08:00	21/Jun/19	18:00	Continuous	Restringing of conductor of all three phases of 400 kV Akola-Bhusawal line due to conversion of Metergauge to Broadgauge for PID Testing of Porcelain Insulator. Only Auto reclose relay will be off. Line will be in service	MSETCL	MSETCL	400 kV Koradi-Bhusawal. 400
606		400kV Sundargarh-Raigarh Ckt#3	17/Jun/19	7:00:00	30/Jun/19	17:00:00	ODB	Annual Maintenance work & Relay Testing work	ERPC	ER-II/Odisha	
607	400	400KV Main Bus-1 at 400KV S/s ISP	18/Jun/19	9:00	18/Jun/19	18:00	D	Annual Maintenance work & Relay Testing work	MP_SLDC	MP_SLDC	
608	400	limbadi-Bhachau line at Limbdi by Pirana	18/Jun/19	10:00	18/Jun/19	18:00	Daily	For AMP work of line terminal equipments and bay	POWERGRID	WR-II	R
609	765	765kV main Bus-02 at Dhule BDTCL	18/Jun/19	8:00	18/Jun/19	19:00	Daily	AMP works	BDTCL	BDTCL	R
610	400	400KV Bhopal-Bina-II	18/Jun/19	9:00	18/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
611	400	63MVAR Nagda-Shujalpur Ckt-1 Switchable Line Reactor at Nagda ( Line will be service though main and Tie bay)	18/Jun/19	10:00	18/Jun/19	18:00	Daily	AMP work & Commissioning of Vizimax make CSD	POWERGRID	WR-II	C
612	765	721 Main Bay of Wardha # 3 at Durg PS	18/Jun/19	9:00	18/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
613	400	400kV Satna-Bina Ckt#2 by Damoh TLM , A/R OFF of circuit-1 and dia to be kept open at both ends	18/Jun/19	9:00	18/Jun/19	18:00	Daily	Line AMP works	POWERGRID	WR-II	R
614	765KV	765kv Kotra-1 Tie Bay-719 at Champa PS	18/Jun/19	9:00	19/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
615	765	765KV Jabalpur-Vchal#1 Tie bay ( 826 Bay) at Pooling station,jabalpur	18/Jun/19	9:00	19/Jun/19	18:00	Daily	Measurement of Timing of Associated Circuit Breaker for feedback purpose of CSD relay	POWERGRID	WR-II	C
616	765	710 Main bay of B/R#1 at Satna	18/Jun/19	9:00	19/Jun/19	18:00	Daily	AMP Work	POWERGRID	WR-II	R
617	400	400 kV Asoj - SSP (Auto reclose of 400 kV Kasor -SSP will remain out)	18/Jun/19	7:00	18/Jun/19	18:00	Daily	Maintenance work & Condition Monitoring	GETCO	GETCO	
618	400	415 R/Pura ckt#2 Main bay at Dehgam	18/Jun/19	8:00	18/Jun/19	18:00	Daily	For AMP work	POWERGRID	WR-II	R
619	400	400kV BR-1 Main Bay (412) at Bhachau	18/Jun/19	8:00	18/Jun/19	12:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
620	220	OSMANABAD - PARLY (PG)	18/Jun/19	08:00	18/Jun/19	16:00	Daily	Line maintenance work.	MSETCL	MSETCL	-
621	400	VSTPS BUS # 1	18/Jun/19	8:00	18/Jun/19	18:30	Continuous	Hot Spot rectification of Bus-1 ( Under Observation)	NTPC	NTPC	R
622	400	EKTUNI - BABLESHWAR CKT 2	18/Jun/19	09:00	18/Jun/19	17:00	Daily	Quarterly Maintenance work & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400 kV Bhusawal.
623	220	OSMANABAD - PARLY (PG)	18/Jun/19	09:00	18/Jun/19	18:00	Daily	For erection of inline Tower crossing NHAI at loc no. 10-11	MSETCL	MSETCL	-
624	765	765kv ICT-1 and BR tie bay-702 at Aurangabad	18/Jun/19	9:00	18/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
625	400	400KV_BUS1 AT SEONI	18/Jun/19	9:00	18/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
626	400	400 Kv Wardha- Warora #1 Main Bay(406) at Wardha	18/Jun/19	9:00	18/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
627	220	220kV Tikamgarh line bay (202 Bay) at Damoh S/S. Line will be out of service	18/Jun/19	9:00	18/Jun/19	18:00	Daily	AMP works	POWERGRID	WR-II	R
628	765	765/400 kV ICT # 2 Main Bay (709) at Bhuj SS	18/Jun/19	10:00	18/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
629	400	400KV Pithampur-PGCIL-II	18/Jun/19	10:00	18/Jun/19	17:00	D	For bay equipment maintenance and testing work	MP_SLDC	MP_SLDC	
630	400	MAIN BUS - 1 @ ALKUD	18/Jun/19	10:00	18/Jun/19	17:30	Daily	Quarterly Maint. Work	MSETCL	MSETCL	Load will be managed on R
631	400	400kV TRN Line 1 (402) Tie Bay at Tamnar PS	18/Jun/19	10:00	18/Jun/19	18:00	Daily	For AMP Works of TRN line 1 (402) Tie Bay	WRTS-I	WRTS-I	R
632	400	400 KV Navsari Magarwada 2, A/R OFF of circuit-1	18/Jun/19	10:00	18/Jun/19	18:00	Daily	AMP works at Navsari GIS	POWERGRID	WR-II	R
633	400	404 Dehgam Main Bay at Pirana	18/Jun/19	10:00	18/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
634	765	765 kV Bhuj - Banaskantha CKT-1 Main Bay (710) at Bhuj SS	18/Jun/19	14:00	18/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
635	400	400kV BR-2 Main Bay (419) at Bhachau	18/Jun/19	15:00	18/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
636	220	220 kV Bhilad- TAPS	18/Jun/19	0:00	18/Jun/19	0:00	Daily	Maintenance work	GETCO		
637	400	VSTPS - HVDC Line# 1 (Stage-I, BAY No. 2) at VSTPS end. Being DMT scheme, line outage is required for complete bay	18/Jun/19	8:00	19/Jun/19	18:30	Continuous	Annual Bay Maintenance	WRTS-2	NTPC	R
638	765	765kV ,240MVAR BUS REACTOR at sassan	18/Jun/19	8:00	19/Jun/19	20:00	Continuous	Bay Yearly Maintenance	SASAN	RELIANCE	R
639	765	Main Bay 703 of 765kV/400kV ICT-1 at Bina	18/Jun/19	9:15	19/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
640	400	315MVA ICT-I at Shujalpur, dia to be kept open on both sides	18/Jun/19	10:00	20/Jun/19	18:00	Cont.	Oil leakage attending and backup Impedance relay installation and testing work	POWERGRID	WR-II	C
641		Orai (765KV)-GWALIOR-WR (765KV)S/C	18/Jun/19	10:00	18/Jun/19	18:00	DAILY	For alignment of Line Isolator and recirculation of interlock	NRPC	POWERGRID	
642	400	PADGHE - KALWA 2	19/Jun/19	09:00	29/Jun/19	18:00	Daily	PID Testing work for line Insulator strings at various locations.	MSETCL	MSETCL	Auto-Reclose function to be

643	765	765 KV Indore -Vadodara line at Indore, dia to be kept open at both ends	19/Jun/19	9:00	19/Jun/19	18:00	Daily	Stability testing of tie bay 714 for new 765 KV khandwa-Indore Ckt#1	POWERGRID	WR-II	C
644	400	PADGHE - KALWA 2 ON TBC	19/Jun/19	09:30	25/Jun/19	17:30	Continuous	400KV PADGHE - KALWA 2 will be shifted on TBC for 400 KV CB Pole and mechanism overhauling work	MSETCL	MSETCL	400KV PADGHE -
645	400	400KV Main Bus -II at 400KV S/s ISP	19/Jun/19	9:00	19/Jun/19	18:00	D	Annual Maintenance work & Relay Testing work	MP_SLDC	MP_SLDC	
646	400	Bhachau-Ranchodpura ckt-1 with Bhachau-Ranchodpura ckt-2 in non auto reclose mode (Dia to be kept open at both ends) by	19/Jun/19	8:00	23/Jun/19	18:00	Daily	For fixing of Bird Flight Diverter in the Earth Wire. For Dry Film Thickness (DFT) measurement of RIV Coating at T-point	POWERGRID	WR-II	R
647	400	PADGHE - KALWA 2	19/Jun/19	09:00	01/Jul/19	18:00	Continuous	ORC MMRDA Work	MSETCL	MSETCL	ORC MMRDA Work
648	765	765kV D'JAIGARH-RANCHI I	19/Jun/19	9:00	19/Jun/19	18:00	Daily	For Auto Reclose Testing works & For Replacement of 50 nos. open/hanging quad line spacer & D'sarh end dia to be kept	WRTS-I	WRTS-I	R
649	400	315 MVA ICT 1 at Navsari	19/Jun/19	6:00	19/Jun/19	17:00	Daily	ICT painting, monsoon protection works and AMP works at Navsari GIS	POWERGRID	WR-II	R
650	400	400KV Bhopal-Itarsi (PGCIL)-I	19/Jun/19	7:00	19/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
651	400	400KV Sarni-Seoni	19/Jun/19	7:00	19/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
652	220	220 KV Khedamara-Kumhari (PGCIL) Line at 400 KV S/s Khedamara	19/Jun/19	8:00	19/Jun/19	17:00	Daily	Annual Maintenance Programme.	CSPTCL	CSPTCL	R
653	400	MAIN BAY (425) OF WARORA CKT - 2 @ CHANDRAPUR 2	19/Jun/19	08:00	19/Jun/19	17:00	Daily	Diagnostic testing and bay maintenance work	MSETCL	MSETCL	CB DCRM
654	220	TILARI - AMONA LINE	19/Jun/19	08:00	19/Jun/19	17:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL	-
655	765	765/400 kV ICT # 1 at Vindhychal(p), dia to be kept open on both sides.	19/Jun/19	9:00	19/Jun/19	14:00	Daily	For taking Spare ICT with ICT# 1 B Ph	POWERGRID	WR-II	R
656	765	765 KV BUS REACTOR at Banaskantha , dia to be kept open.	19/Jun/19	9:00	19/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
657	400	MAIN BAY (429) OF WARORA-WARDHA(PG) @400 KV WARDHA(PG)	19/Jun/19	09:00	19/Jun/19	17:00	Daily	Routine Maintenance & Dignostic testing work Nut Bolt Tightning work	MSETCL	MSETCL	Line will be charged
658	400	411 Bay ( Tie Bay 400KV pune GIS-4 & ICT#2 Tie bay (411) at Pune (Talegaon)	19/Jun/19	9:00	19/Jun/19	17:00	Daily	For AMP works	WRTS-I	WRTS-I	R
659	765	765kv BR main bay-701 at Aurangabad	19/Jun/19	9:00	19/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
660	400	418 Main Bay Rpr # 1 at Durg PS	19/Jun/19	9:00	19/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
661	400	63MVAR BUS REACTOR at Damoh S/S, dia to be kept open	19/Jun/19	9:00	19/Jun/19	18:00	Daily	AMP work	POWERGRID	WR-II	R
662	400	Jabalpur # 1 Main Bay (Bay-403) at Itarsi S/S	19/Jun/19	9:00	19/Jun/19	18:00	Daily	For Retrofitting of existing ABB make RAICA LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
663	765	765kV SEONI-BILASPUR I	19/Jun/19	9:00	19/Jun/19	20:00	Daily	For TWFL installation and commissioning in 765kV Seoni-Bilaspur# 1 Line at Seoni end.	WRTS-1	WRTS-1	R
664	765	765 kV Bhuj - Banaskantha CKT-1 Tie Bay (711) at Bhuj SS	19/Jun/19	10:00	19/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
665	400	MAIN BUS - 1 @ LAMBOTI	19/Jun/19	10:00	19/Jun/19	18:00	Daily	Diagnostic Testing	MSETCL	MSETCL	Load will be managed on R
666	400	400kV TRN Line 2 (406) Main Bay at Tamnar PS	19/Jun/19	10:00	19/Jun/19	18:00	Daily	For AMP Works of TRN line 2 (406) Main Bay	WRTS-I	WRTS-I	R
667	400	405 Dehgam-ICT-2 Tie bay at Pirana	19/Jun/19	10:00	19/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
668	400	400 Rewa -Jabalpur # 1 Line at Jabalpur(Sukha)	19/Jun/19	11:00	19/Jun/19	13:00	Daily	Replacement of Bay CT	POWERGRID	WR-II	R
669	765	765/400 kV ICT # 1 Main Bay (712) at Bhuj SS	19/Jun/19	14:00	19/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
670	220	220 kV Vapi - Vapi (PG)	19/Jun/19	0:00	19/Jun/19	0:00	Daily	Maintenance work	GETCO		
671	400	CGPL Mundra 400kV 419 52 Main breaker of Mundra Jetpur-2 line.	19/Jun/19	8:00	20/Jun/19	20:00	Daily	Breaker drive box coating and painting	CGPL	CGPL	R
672	400	Main Bay 406 of Jabalpur - Rewa # 1 at Jabalpur(Sukha)	19/Jun/19	9:00	20/Jun/19	18:00	Daily	Replacement of Bay CT	POWERGRID	WR-II	R
673	400 KV	DGEN 400KV 315 MVA ICT 2 Bay 409 - energization - Testing of both bus isolator operation before charging.	19/Jun/19	10:00	20/Jun/19	15:00	Continuous	ICT 2 routine energisation testing during RSD and shutdown for energy conservation after one day energization	TPL - DGEN	TPL - DGEN	R
674	400	406 Bay (Main Bay of 400kV ICT-1) at Gwalior	19/Jun/19	7:00	21/Jun/19	18:00	Cont.	Overhauling of CB	POWERGRID	WR-II	R
675	220	Kawas-Vav# 1&2 by Navsari	19/Jun/19	8:00	23/Jun/19	18:00	Cont.	To facilitate Diversion of Line for NHRCL (Bullet Train) Work. CB SE6 gas leakage attending at Vav end	POWERGRID	WR-II	R
676	400	400KV Main bus -II at 400KV S/s Indore	20/Jun/19	9:00	22/Jun/19	18:00	C	For replacement of bus-II PG isolator, Main bus II will be kept OFF	MP_SLDC	MP_SLDC	
677	400	400KV ICT -III at 400KV S/s Indore	20/Jun/19	9:00	22/Jun/19	18:00	C	For replacement of bus-II P-G isolator of ICT-III, ICT-III will be on TBC	MP_SLDC	MP_SLDC	
678	765	765 kV MAIN BUS 2 KOTRA PS	20/Jun/19	6:00	26/Jun/19	18:00	CONTINUOUS	Erection, Testing & Energization of new sectionaliser bays	WRTS-1	WRTS-1	C
679	400	Gandhar- Dehgam # 1 by Vadodara TLM, dia to be kept open at both ends	20/Jun/19	7:00	29/Jun/19	18:00	Cont.	For diversion of 400kV Gadndhar- Dehgam D/C line in 3 sections for Bullet train works	POWERGRID	WR-II	R
680	400	Gandhar- Dehgam # 2 by Vadodara TLM, dia to be kept open at both ends	20/Jun/19	7:00	29/Jun/19	18:00	Cont.	For diversion of 400kV Gadndhar- Dehgam D/C line in 3 sections for Bullet train works	POWERGRID	WR-II	R
681	765	765kV Gwalior- Orai Line at Gwalior, Dia to be kept Open at both ends & A/R OEF of 765kV Gwalior-Satna	20/Jun/19	10:00	20/Jun/19	18:00	Daily	For alignment of isolator and rectification of interlock problem in isolator	POWERGRID	WR-II	R
682	400	404 Gandhar#2 Main Bay at Dehgam	20/Jun/19	8:00	20/Jun/19	18:00	Daily	For AMP work	POWERGRID	WR-II	R
683	765	765KV Jabalpur-Vchal#2 Main bay ( 830 Bay) at Pooling station,jabalpur	20/Jun/19	9:00	21/Jun/19	18:00	Daily	Measurement of Timing of Associated Circuit Breaker for feedback purpose of CSD relay	POWERGRID	WR-II	C
684	400	315 MVA ICT 2 at Navsari	20/Jun/19	6:00	20/Jun/19	17:00	Daily	ICT painting, monsoon protection works and AMP works at Navsari GIS	POWERGRID	WR-II	R
685	400	400KV Bhopal-Itarsi (PGCIL)-II	20/Jun/19	7:00	20/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
686	400	MAIN BAY (413) OF KORADI 2 LINE @ WARDHA (PG)	20/Jun/19	09:00	20/Jun/19	17:00	Daily	Routine Maintenance & Dignostic testing work Nut Bolt Tightning work	MSETCL	MSETCL	400KV KORADI-R
687	220	220KV Bus # 1 at Pune (Talegaon)	20/Jun/19	9:00	20/Jun/19	17:00	Daily	For Replacment of Clamps & connectors	WRTS-I	WRTS-I	
688	400	400 kV Veloda - Charanka - 2 line	20/Jun/19	9:00	20/Jun/19	18:00	DAILY	Line and bay equipment maintenance work	GETCO	GETCO	

689	400	KOLHAPUR (TALANDGE) - ALKUD	20/Jun/19	09:00	20/Jun/19	18:00	Daily	Quarterly. Maint. work	MSETCL	MSETCL	-
690	765	765kv ICT-1 main bay-703 at Aurangabad	20/Jun/19	9:00	20/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
691	400	400KV_BUS2 AT SEONI	20/Jun/19	9:00	20/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
692	765	765 Kv wardha-A'bad#2 Tie Bay(714) at Wardha	20/Jun/19	9:00	20/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
693	765	400KV RAIPUR-WARDHA I	20/Jun/19	9:00	20/Jun/19	18:00	Daily	1) For Line AMP works 2) Ckt-1 A/R to be kept in N/A mode & Dia to be kept open at	WRTS-I	WRTS-I	R
694	765	765 kV Bus Reactor Main Bay (715) at Bhuj SS	20/Jun/19	10:00	20/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
695	400	400kV TRN Line 2 (405) Tie Bay at Tamnar PS	20/Jun/19	10:00	20/Jun/19	18:00	Daily	For AMP Works of TRN line 2 (405) Tie Bay	WRTS-I	WRTS-I	R
696	400	406 ICT-2 Main bay at Pirana	20/Jun/19	10:00	20/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
697	765	765 kV Bus Reactor Tie Bay (714) at Bhuj SS	20/Jun/19	14:00	20/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
698	220	220 kV Bhilad - Vapi (PG) - 1	20/Jun/19	0:00	20/Jun/19	0:00	Daily	Maintenance work	GETCO		
699	765KV	765/400kv ICT-5 Main Bay 765kv side -720 at Champa PS	20/Jun/19	9:00	21/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
700	765	765 Bus -II at Dharamjaygarh	20/Jun/19	9:00	21/Jun/19	18:00	Continuous	For Equipment erection work under 765KV Bus for Bus- Sectionalizing work by M/s Techno at Dharamjaygarh PS.	WRTS-I	WRTS-I	C
701	400	MAIN BAY (414) OF TIRODA CKT - 2 @ WARORA	20/Jun/19	09:00	21/Jun/19	19:00	Continuous	Replacement of Breaker	ATIL	ATIL	Replacement of Breaker
702	765	Main Bay 706 of 765 KV/400KV ICT-2 at Bina	20/Jun/19	9:15	21/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
703	400	Varsana-2 Main Bay 413 at Bhachau	21/Jun/19	8:00	21/Jun/19	13:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
704	400	BR-2- Future Tie Bay 420 at Bhachau	21/Jun/19	15:00	21/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
705	765	765 KV Gwalior- Agra # 1 line along with 765 KV BUS#1 at Gwalior. dia to be kept open at both ends	21/Jun/19	6:00	21/Jun/19	18:00	Daily	Replacement of suspension and tension string (Porcelain) with Polymer insulator (String in main and Tie bay along with	POWERGRID	WR-II	R
706	400	PARLI - LONIKAND 2 CKT 1	21/Jun/19	09:00	21/Jun/19	17:00	Daily	CB DCRM & Timing, Line maintenance, Bay maintenance.	MSETCL	MSETCL	-
707	400	63 Mvar Bus reactor at Navsari	21/Jun/19	6:00	21/Jun/19	17:00	Daily	BR painting, monsoon protection works and AMP works at Navsari GIS	POWERGRID	WR-II	R
708	765	765KV BANASKANTHA-CHITTOR GARH LINE #1 LINE REACTOR at Banaskantha	21/Jun/19	9:00	21/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
709	400	TIE BAY (428) OF WARORA - WARDHA(PG) @ WARDHA (PG)	21/Jun/19	09:00	21/Jun/19	17:00	Daily	Routine Maintenance & Dignostic testing work Nut Bolt Tightning work	MSETCL	MSETCL	Line will be charged
710	400	KOLHAPUR - SOLAPUR (PG) CKT - 2	21/Jun/19	09:00	21/Jun/19	18:00	Daily	Quarterly. Maint. work	MSETCL	MSETCL	-
711	400	EKTUNI - TAPITANDA CKT - 1	21/Jun/19	09:00	21/Jun/19	18:00	Daily	Diagnostic/Relay Testing, Routine Maintenance	MSETCL	MSETCL	400kV Thapti-Tanda ckt-II
712	765	765kv ICT-2 and Dhule tie bay-705 at Aurangabad	21/Jun/19	9:00	21/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
713	765	BUS REACTOR_765kv_240MVAR_BILASPUR	21/Jun/19	9:00	21/Jun/19	18:00	Daily	AMP works	WRTS-I	WRTS-I	R
714	400	ICT1_400/220kv_WARDHA	21/Jun/19	9:00	21/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
715	400	414 Tie bay Rpr # 2 at Durg PS	21/Jun/19	9:00	21/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
716	765	BUS REACTOR_765kv_240MVAR_SOLAPUR	21/Jun/19	9:00	21/Jun/19	18:00	DAILY	Modification of neutral jumper to twin conductor.	WRTS-I	WRTS-I	R
717	400	Jabalpur # 2 Main Bay (Bay-404) at Itarsi S/S	21/Jun/19	9:00	21/Jun/19	18:00	Daily	For Retrofitting of existing ABB make RAICA LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
718	765	765kv SEONI-BILASPUR II	21/Jun/19	9:00	21/Jun/19	20:00	Daily	Line AMP Works & Both ends dia to be kept open for bays & line equipment AMP works	WRTS-1	WRTS-1	R
719	400	765/400 kV ICT # 2 Main Bay (409) at Bhuj SS	21/Jun/19	10:00	21/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
720	400	407 Vadodara-2 Main bay at Pirana	21/Jun/19	10:00	21/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
721	400	315MVA ICT-II at Shujalpur, dia to be kept open on both sides	21/Jun/19	10:00	21/Jun/19	18:00	Daily	Backup Impedance relay installation and testing work.	POWERGRID	WR-II	C
722	400	765/400 kV ICT # 2 Tie Bay (408) at Bhuj SS	21/Jun/19	14:00	21/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
723	220	220 kV Bhilad-Vapi (PG) - 2	21/Jun/19	0:00	21/Jun/19	0:00	Daily	Maintenance work	GETCO		
724	400	CGPL Mundra 400kV 425 52 Main breaker of Mundra Bachau-2 line.	21/Jun/19	8:00	22/Jun/19	20:00	Daily	Breaker drive box coating and painting	CGPL	CGPL	R
725	400 KV	DGEN 400KV 315 MVA ICT 3 Bay 411 - energization - Testing of both bus isolator operation before charging.	21/Jun/19	10:00	22/Jun/19	15:00	Continuous	ICT 3 routine energisation testing during RSD and shutdown for energy conservation after one day energization	TPL - DGEN	TPL - DGEN	R
726	400	KALWA - TALEGAON (PGCIL) & KHARGHAR - TALEGAON (PG)	21/Jun/19	09:00	25/Jun/19	18:00	Daily	PID Testing work of 400 KV Kalwa-Talegaon & 400KV Kharghar-Talegaon line Insulator strings at various locations.	MSETCL	MSETCL	Simultaneous v PID will also
727		AGRA-PG (765KV)-Gwalior-WR (765KV)	21/Jun/19	06:00	21/Jun/19	18:00	DAILY	Replacement of suspension and tension string (Porcelain)	NRPC	POWERGRID	
728		KHANDAR (132KV)-SHEOPUR MPSEB- WR (132KV)+MPSE	21/Jun/19	08:00	21/Jun/19	11:00	DAILY	Quarterly/yearly maintenance of 132 ckt bay	NRPC	RRVPN	
729	400	Main Bay 404 of Bina-1 at Bina	22/Jun/19	9:15	24/Jun/19	17:30	Cont.	For CB drive over hauling.	POWERGRID	WR-II	R
730	400	400KV/220KV ICT at Bina, dia to be kept open on both sides	22/Jun/19	9:15	22/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
731	400	BABHALESHWAR - PADGHE 2	22/Jun/19	09:00	22/Jun/19	17:00	Daily	Quarterly Maintenance work & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400kv Babhaleshwar
732	765	765 KV Gwalior-Agra # 2 line along with 765 KV BUS#1 at Gwalior. dia to be kept open	22/Jun/19	6:00	22/Jun/19	18:00	Daily	Replacement of suspension and tension string (Porcelain) with Polymer insulator (String in main and Tie bay along with	POWERGRID	WR-II	R
733	765	765 kv Vindhyachal-Sasan 1 Line at Vindhyachal(p), dia to be kept open on both sides.	22/Jun/19	9:00	22/Jun/19	18:00	Daily	For installation of differential relay	POWERGRID	WR-II	R
734	400	400 kV Main bus - 1 Varsana	22/Jun/19	8:00	22/Jun/19	18:00	Daily	Water washing work to avoid chattring	GETCO	GETCO	

735	400	400 kV Varsana - APL line No. 1	22/Jun/19	8:00	22/Jun/19	18:00	Daily	Water washing work to avoid chattring	GETCO	GETCO	
736	765	765KV BANASKANTHA-CHITTOR GARH LINE #2 LINE REACTOR at Banaskantha	22/Jun/19	9:00	22/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
737	220	BOISAR II - PGCIL 1	22/Jun/19	09:00	22/Jun/19	17:00	Daily	Routine and Maintenance work	MSETCL	MSETCL	Routine and Maintenance
738	765	765kv ICT-2 main bay-706 at Aurangabad	22/Jun/19	9:00	22/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
739	400	KHANDWA1_MAIN_BAY_421 AT SEONI	22/Jun/19	9:00	22/Jun/19	18:00	Daily	FOR AMP WORK	WRTS-1	WRTS-1	R
740	765	765 Kv A'bad#1 Tie Bay(717) at Wardha	22/Jun/19	9:00	22/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
741	765	400KV RAIPUR-WARDHA II	22/Jun/19	9:00	22/Jun/19	18:00	Daily	1) For Line AMP works 2) Ckt-1 A/R to be kept in N/A mode & Dia to be kept open at	WRTS-I	WRTS-I	R
742	400	Indore # 1 Main Bay (Bay-419) at Itarsi S/S	22/Jun/19	9:00	22/Jun/19	18:00	Daily	For Retrofitting of existing ABB make RAICA LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
743	765	Seoni-Bina Line alongwith Line reactor (Non switchable Line reactor) at Bina, dia to be kept open on both sides.	22/Jun/19	9:15	22/Jun/19	17:30	Daily	For AMP of Line reactor and Line reactor will be out of service alongwith Line.	POWERGRID	WR-II	R
744	400	765/400 kV ICT # 1 Main Bay (412) at Bhuj SS	22/Jun/19	10:00	22/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
745	400	408 Vadodara-future tie bay at Pirana	22/Jun/19	10:00	22/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
746	400	765/400 kV ICT # 1 Tie Bay (411) at Bhuj SS	22/Jun/19	14:00	22/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
747	220	220 kV Bhilad - Vapi (PG) -3	22/Jun/19	0:00	22/Jun/19	0:00	Daily	Maintenance work	GETCO		
748	765	765KV JABALPUR 4 & FUTURE TIE BAY(726) AT DHARAMJAYGARH/KORBA SS	22/Jun/19	9:00	26/Jun/19	18:00	Continuous	Tie LBB testing and connection with under construction Bus reactor#03 main bay	WRTS-I	WRTS-I	C
749		AGRA-PG (765KV)-GWALIOR-WR (765KV)II	22/Jun/19	06:00	22/Jun/19	18:00	DAILY	Replacement of suspension and tension string (Porcelain)	NRPC	POWERGRID	
750	400	MAIN BUS - 2 @ LONIKAND 2	23/Jun/19	07:00	23/Jun/19	18:00	Daily	Half yearly maintenance and diagnostic testing work	MSETCL	MSETCL	-
751	400	400kV BHILAI-BHATAPARA	23/Jun/19	9:30	23/Jun/19	17:30	Daily	Retrofitting work of auto reclose relay at Bhilai SS & For Line AMP works & Both ends dia to be kept open for bays & line AMP Work	WRTS-I	WRTS-I	R
752	765	711 Tie Bay of B/R#1 And Orai At Satna	23/Jun/19	9:00	23/Jun/19	18:00	Daily	AMP Work	POWERGRID	WR-II	R
753	400	400KV Main bus -1 at 400KV S/s Indore	23/Jun/19	9:00	25/Jun/19	18:00	C	For replacement of bus I P-G Isolator of ICT IV, Main bus I will be kept OFF	MP_SLDC	MP_SLDC	
754	400	400KV ICT -IV at 400KV S/s Indore	23/Jun/19	9:00	25/Jun/19	18:00	C	For replacement of bus I P-G Isolator of ICT IV, ICT IV will be on TBC	MP_SLDC	MP_SLDC	
755	220	220KV Bus # 2 at Pune (Talegaon)	23/Jun/19	9:00	23/Jun/19	17:00	Daily	For Replacment of Clamps & connectors	WRTS-I	WRTS-I	R
756	765	765KV Jabalpur-Vchal#2 Tie bay ( 829 Bay) at Pooling station, jabalour	23/Jun/19	9:00	24/Jun/19	18:00	Daily	Measurement of Timing of Associated Circuit Breaker for feedback purpose of CSD relay	POWERGRID	WR-II	C
757	400	BABHALESHWAR - PADGHE 1	23/Jun/19	09:00	23/Jun/19	17:00	Daily	Quarterly Maintenance work & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400kV Babhaleshwar-
758	765	765 KV WARDHA-NIZAMABAD II	23/Jun/19	9:00	23/Jun/19	18:00	Daily	1) For SCADA Validation and AR test. 2) Ckt-1 A/R to be kept in N/A mode & Dia to be kept open at	WRTS-I	WRTS-I	R
759	400	400 kV Bus Reactor Main Bay (415) at Bhuj SS	23/Jun/19	10:00	23/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
760	400	400 kV Bus Reactor Tie Bay (414) at Bhuj SS	23/Jun/19	14:00	23/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
761	400	J P NIGRIE-SATNA-2	23/Jun/19	6AM	23/Jun/19	6PM	Daily	Attending shutdown nature of Works	JP NIGRIE	JP NIGRIE	
762	400	408 Bay (Tie Bay of 400kV ICT-2 and 400kV B/R-2) at Gwalior	23/Jun/19	7:00	25/Jun/19	18:00	Cont.	Overhauling of CB	POWERGRID	WR-II	R
763	400	400kV Mundra-2 Main Bay (401) at Bhachau	24/Jun/19	8:00	24/Jun/19	12:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
764	400	400kV Mundra-2- Future Tie Bay (402) at Bhachau	24/Jun/19	15:00	24/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurementof RTV Coating	POWERGRID	WR-II	R
765	400	Bhachau-Essar ckt-1 with Bhachau-Essar ckt-2 in non auto reclose mode (Dia to be kept open at both ends) by Bhachau	24/Jun/19	8:00	30/Jun/19	18:00	Daily	For fixing of Bird Flight Diverter in the Earth Wire.	POWERGRID	WR-II	R
766	400	400KV RAIPUR-BHILAI I	24/Jun/19	9:30	24/Jun/19	17:30	Daily	Retrofitting work of auto reclose relay at Bhilai SS & For Line AMP works & Both ends dia to be kept open for bays & line	WRTS-I	WRTS-I	R
767	765	765kV Gwalior-Jaipur#1 Line (dia to be kept open at both ends , A/R OFF of circuit-2)	24/Jun/19	6:00	24/Jun/19	18:00	Daily	Replacement of suspension and tension string (Porcelain) with Polymer insulator (String in main and Tie bay along with	POWERGRID	WR-II	R
768	400	400 kV Main bus - 2 Varsana	24/Jun/19	8:00	24/Jun/19	18:00	Daily	Water washing work to avoid chattring	GETCO	GETCO	
769	400	400 kV Varsana - Adani line - 2	24/Jun/19	8:00	24/Jun/19	18:00	Daily	Water washing work to avoid chattring	GETCO	GETCO	
770	220	Navsari- Navsari GETCO#1 at Navsari	24/Jun/19	8:00	24/Jun/19	18:00	Daily	AMP works at Navsari GIS	POWERGRID	WR-II	R
771	765	765KV BANASKANTHA-BHUJ #1 LINE REACTOR at Banaskantha	24/Jun/19	9:00	24/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
772	400KV	765/400kv ICT-1 Main Bay 400kv side -419 at Champa PS	24/Jun/19	9:00	24/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
773	765	765kv Wardha-2 main bay-712 at Aurangabad	24/Jun/19	9:00	24/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
774	220	220 Kv wardha- Badnera Line BAY (208) at Wardha	24/Jun/19	9:00	24/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
775	400	415 Main bay Rpr #2 at Durg PS	24/Jun/19	9:00	24/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
776	765	765kV Aurangabad-2_Pune Line_Tie Bay_711 at Solapur	24/Jun/19	9:00	24/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
777	765	765kV WARORA(PWTL)-PARLI (PPTL)-II	24/Jun/19	9:00	24/Jun/19	18:00	Daily	Faulty radiator replacement for Y & B Phase for L/R and IPS Tube arrangement for Line Isolator and CVT	PPTL	PWTL	R
778	400	Indore # 1 Tie Bay (Bay-418) at Itarsi S/S	24/Jun/19	9:00	24/Jun/19	18:00	Daily	For Retrofitting of existing ABB make RAICA LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
779	765	765kV SEONI-WARDHA I	24/Jun/19	9:00	24/Jun/19	20:00	Daily	For TWFL installation and commissioning in 765kV Seoni-Wardha#1 Line at Seoni end & Both ends dia to be kept open	WRTS-1	WRTS-1	R
780	400	400/220 kV ICT # 1 Main Bay (418) at Bhuj SS	24/Jun/19	10:00	24/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C

781	400	400kV Kudgi-II Main bay (404) ayt Kolhapur-GIS	24/Jun/19	10:00	24/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
782	400	410 Vadodara-1 Main bay at Pirana	24/Jun/19	10:00	24/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
783	400	400/220 kV ICT # 1 Tie Bay (417) at Bhuj SS,	24/Jun/19	14:00	24/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
784	400	CGPL Mundra 400KV 403 52 main breaker of GT-10	24/Jun/19	8:00	25/Jun/19	20:00	Daily	Breaker testing and PM	CGPL	CGPL	R
785	400	DHULE- - BABLESHWAR - I & II	24/Jun/19	09:00	25/Jun/19	17:00	Daily	PID Testing of Insulators	MSETCL	MSETCL	400kV BBLR ckt- 1 & 2
786	400	Bay 411 Mahan-2 Tie bay at Bilaspur PS	24/Jun/19	9:00	25/Jun/19	18:00	Continuous	AMP works	WRTS-I	WRTS-I	R
787	765	Main Bay 718 of Gwalior-3 at Bina	24/Jun/19	9:15	25/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
788	400	Station Transformer- 1 at LAPL pathadi	24/Jun/19	6:00	26/Jun/19	18:00	Continuous	1. Annual Maintenance of Station Transformer- 1. 2. Maintenance of Bay-3 at Lanco end.	LANCO	LANCO	R
789	400	400KV Indore-Nagda	24/Jun/19	9:00	27/Jun/19	18:00	C	For replacement of Line Isolators of 400 KV Nagda, Line will be kept OFF	MP_SLDC	MP_SLDC	
790	400	400KV Main Bus-II at 400KV S/s Bina	24/Jun/19	8:00	29/Jun/19	17:00	C	For replacement of PG isolator	MP_SLDC	MP_SLDC	
791	400	Bhachau-Essar ckt-2 with Bhachau-Essar ckt-1 in non auto reclose mode (Dia to be kept open at both ends) at Bhachau	24/Jun/19	8:00	30/Jun/19	18:00	Daily	For fixing of Bird Flight Diverter in the Earth Wire.	POWERGRID	WR-II	R
792		PHAGI (765KV)-Gwalior-WR (765KV)1	24/Jun/19	06:00	24/Jun/19	18:00	DAILY	Replacement of suspension and tension string (Porcelain)	NRPC	POWERGRID	
793	400	400kV Mundra-1 Main Bay (404) at Bhachau	25/Jun/19	8:00	25/Jun/19	12:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
794	400	400kV Mundra-1- ICT2 Tie Bay (405) at Bhachau	25/Jun/19	15:00	25/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
795	400	400 KV Khedamara-Kirnapur Line at 400 KV S/s Khedamara.	25/Jun/19	8:00	25/Jun/19	17:00	Daily	Annual Maintenance Programme.	CSPTCL	CSPTCL	R
796	400	MAIN BUS - 1 @ WALUJ	25/Jun/19	09:00	25/Jun/19	17:00	Daily	ROUTINE MAINTENANCE	MSETCL	MSETCL	ROUTINE MAINTENANC
797	400	400kV BHILAI-KORADI	25/Jun/19	9:30	25/Jun/19	17:30	Daily	Retrofitting work of auto reclose relay at Bhilai SS & Line and Bay at both ends.	WRTS-I	WRTS-I	R
798	765	765 KV ICT-2 at Gwalior, dia to be kept open on both sides	25/Jun/19	6:00	25/Jun/19	18:00	Daily	Replacement of suspension and tension string (Porcelain) with Polymer insulator (String in main and Tie bay along with General bay maintenance at GETCO Navsari end.	POWERGRID	WR-II	R
799	220	220 kV Navsari - Navsari (PG) line no. 1	25/Jun/19	9:00	25/Jun/19	18:00	Daily	General bay maintenance at GETCO Navsari end.	PGCIL	GETCO	
800	765	765KV Jabalpur-Vchal#1 Line alongwith associated Line Reactor at Pooling station, jabalpur	25/Jun/19	9:00	25/Jun/19	18:00	Daily	For Fine tuning of CSD relay available for associated Line Reactor through on Line switching	POWERGRID	WR-II	C
801	400	400 kV Kansari - Vadavi line	25/Jun/19	8:00	25/Jun/19	18:00	Daily	Bay equipment maintenance and testing work at Kansari end	GETCO	GETCO	
802	220	Dehgam-Dehgam ckt-2 at Dehgam	25/Jun/19	8:00	25/Jun/19	18:00	Daily	Amp work of terminal equipments	POWERGRID	WR-II	R
803	400	400 kV Bus - B and TBC at Mansar	25/Jun/19	8:00	25/Jun/19	18:00	Daily	400 KV Bus B & TBC Bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
804	400	400 kV Bus Coupler Mansar	25/Jun/19	8:00	25/Jun/19	18:00	Daily	400 KV Bus B & TBC Bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
805	400	400 kV TBC Bus Mansar	25/Jun/19	8:00	25/Jun/19	18:00	Daily	400 KV Bus B & TBC Bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
806	220	Navsari- Navsari GETCO#2 at Navsari	25/Jun/19	8:00	25/Jun/19	18:00	Daily	AMP works at Navsari GIS	POWERGRID	WR-II	R
807	765	765KV BANASKANTHA-BHUJ #2 LINE REACTOR at Banaskantha	25/Jun/19	9:00	25/Jun/19	15:00	Daily	Pre Monsoon activities	POWERGRID	WR-II	R
808	400	PARLI(MS) - PARLI (PG) CKT -1	25/Jun/19	09:00	25/Jun/19	17:00	Daily	C & Tan delta of CT, Bay maintenance.	MSETCL	MSETCL	-
809	400KV	765/400kv ICT-2 Main Bay 400kv side -421 at Champa PS	25/Jun/19	9:00	25/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
810	220	220 kV Navsari - Navsari (PG) line No. 2	25/Jun/19	9:00	25/Jun/19	18:00	Daily	General bay maintenance at GETCO Navsari end.	PGCIL	GETCO	
811	765	765kv Wardha-1 and Solapur-1 tie bay-714 at Aurangabad	25/Jun/19	9:00	25/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
812	765	765 Kv Bus Reactor #1 (80 Mvar) Tie Bay(708) at Wardha	25/Jun/19	9:00	25/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
813	765	ICT1_765/400kv_PARLI_PPTL	25/Jun/19	9:00	25/Jun/19	18:00	Daily	Spare change Over	PPTL	PPTL	R
814	400	400/220 kV ICT # 2 Main Bay (421) at Bhuj SS	25/Jun/19	10:00	25/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
815	400	411 Vadodara-Reactor Tie Bay at Pirana	25/Jun/19	10:00	25/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
816	400	400/220 kV ICT # 2 Tie Bay (420) at Bhuj SS	25/Jun/19	14:00	25/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
817	400	VSTPS-TIE LINE#1 (BETWEEN STAGE-V TO STAGE-III) BAY (Stage-V/ Bay No. 424) at VSTPS end.	25/Jun/19	8:00	26/Jun/19	18:30	Continuous	Annual Bay Maintenance	NTPC	NTPC	R
818	765	765 Bus -1 at Dharamjaygarh	25/Jun/19	9:00	26/Jun/19	18:00	Continous	For Equipment erection work under 765KV Bus for Bus-Sectionalizing work by M/s Techno at Dharamiaigarh PS.	WRTS-I	WRTS-I	C
819	400	400KV Bina- Satna(PGCIL) -III	25/Jun/19	8:00	30/Jun/19	18:00	c	For LILO arrangement at newly constructed 400KV S/s Sagar	MP_SLDC	MP_SLDC	
820	400	Essar-1 Main Bay 415 at Bhachau SS	26/Jun/19	8:00	26/Jun/19	13:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
821	400	400 KV BUS 1 AT MPPTCL INDORE SS and shifting of 400kV Indore-Asoi-1 onto TBC at MPPTCL INDORE SS by Indore ss	26/Jun/19	9:00	28/Jun/19	18:00	Cont.	FOR BUS - 1 ISOLATOR RETROFITTING WORK OF ASOJ # 1 LINE (LINE SHALL REMAIN CHARGED THROUGH TBC )	POWERGRID	WR-II	R
822	400	Essar-2 Main Bay 418 at Bhachau SS	26/Jun/19	14:00	26/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
823	400	400kV BHILAI-BHADRAVATI I	26/Jun/19	9:30	26/Jun/19	17:30	Daily	Retrofitting work of auto reclose relay at Bhilai SS & 400kV Raipur-Bhadrawati-1 A/R to be kept off for Line and Bay AMP	WRTS-I	WRTS-I	R
824	765	765kV ICT-1 at Gwalior, dia to be kept open on both sides	26/Jun/19	6:00	26/Jun/19	18:00	Daily	Replacement of suspension and tension string (Porcelain) with Polymer insulator (String in main and Tie bay along with General bay maintenance at GETCO Navsari end.	POWERGRID	WR-II	R
825	765	765KV Jabalpur-Vchal#2 Line alongwith associated Line Reactor at Pooling station, jabalpur	26/Jun/19	9:00	26/Jun/19	18:00	Daily	For Fine tuning of CSD relay available for associated Line Reactor through on Line switching	POWERGRID	WR-II	C
826	220	209 ICT#3 Main bay at Dehgam, ICT-3 will be inservice thorough TBC	26/Jun/19	8:00	26/Jun/19	18:00	Daily	Amp work	POWERGRID	WR-II	R

827	400	400 kV Varsana Hadala line (Auto reclose of 400 kV APL - Hadala will remain out)	26/Jun/19	8:00	26/Jun/19	18:00	Daily	Water washing work to avoid chattring	GETCO	GETCO	
828	400	400 kV Bus - A Mansar	26/Jun/19	8:00	26/Jun/19	18:00	Daily	400 KV Bus A & Bus coupler Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water	GETCO	GETCO	
829	400	400 kV Bus Coupler Mansar	26/Jun/19	8:00	26/Jun/19	18:00	Daily	400 KV Bus A & Bus coupler Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water	GETCO	GETCO	
830	400	400 kV TBC Bus Mansar	26/Jun/19	8:00	26/Jun/19	18:00	Daily	400 KV Bus A & Bus coupler Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water	GETCO	GETCO	
831	220	220 kV Navsari - Nashik line no.1	26/Jun/19	9:00	26/Jun/19	18:00	Daily	Bay maintenance work at Navsari end	GETCO	GETCO	
832	765	765kv Wardha-1 main bay-715 at Aurangabad	26/Jun/19	9:00	26/Jun/19	18:00	Daily	for Damper replacement and testing works	WRTS-I	WRTS-I	R
833	220	220 Kv wardha- wardha Line BAY (206) at Wardha	26/Jun/19	9:00	26/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
834	400	403 Main bay ICT #1 at Durg PS	26/Jun/19	9:00	26/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
835	765	765kV Raichur-2 Line_Future_Tie Bay_714 at Solapur	26/Jun/19	9:00	26/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
836	400	ICT # 1 Main Bay (Bay-413) at Itarsi S/S	26/Jun/19	9:00	26/Jun/19	18:00	Daily	For Retrofitting of existing ABB make RAICA LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
837	765	765kV SEONI-WARDHA II	26/Jun/19	9:00	26/Jun/19	20:00	Daily	For TWFL installation and commissioning in 765kV Seoni-Wardha#2 Line at Seoni end & Both ends dia to be kept open	WRTS-1	WRTS-1	R
838	400	400 kV Mundra - Bhuj CKT # 1 Main Bay(425) at Bhuj SS	26/Jun/19	10:00	26/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
839	220	220KV Annupur-Kotmikala-1	26/Jun/19	10:00	26/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
840	400	412 Bus reactor Main Bay at Pirana	26/Jun/19	10:00	26/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
841	400	400 kV Mundra - Bhuj CKT # 1 Tie Bay(426) at Bhuj SS	26/Jun/19	14:00	26/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
842	400	CGPL Mundra 400kV 428 52 Main breaker of Mundra Bachau-2 line.	26/Jun/19	8:00	27/Jun/19	20:00	Daily	Breaker drive box coating and painting	CGPL	CGPL	R
843	400	Bay 412 Mahan-2 Main bay at Bilaspur PS	26/Jun/19	9:00	27/Jun/19	18:00	Continuous	AMP works	WRTS-I	WRTS-I	R
844	765	ICT2_765/400kv_PARLI_PPTL	26/Jun/19	9:00	27/Jun/19	18:00	Cont	Faulty Aircell replacement work under warranty	PPTL	PPTL	R
845	765	Main Bay 704 of Satna-2 at Bina	26/Jun/19	9:15	27/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
846	220	Kawas-Navsari#1&2 by Navsari	26/Jun/19	8:00	30/Jun/19	18:00	Cont.	To facilitate Diversion of Line for NHSRCL (Bullet Train) Work. And bay amp works at navsari GIS.	POWERGRID	WR-II	R
847	400	KALWA - KHARGHAR & KALWA - TALEGAON (PGCIL)	26/Jun/19	09:00	30/Jun/19	18:00	Daily	PID Testing work of 400 KV Kalwa-Talegaon & 400KV Kalwa-Kharghar (D/CI) line Insulator strings at various locations.	MSETCL	MSETCL	Auto-Reclose function to be
848	400	400kV KORBA-BHILAI II	27/Jun/19	8:00	05/Jul/19	18:00	CONTINUOUS	Diversion work of line due to ash dyke of Maruti Clean Project Power Limited.	WRTS-I	M/s JOGEWAR CONSTRUCTION	C
849	765	765KV DHARAMJAYGARH_JABALPUR CKT#04	27/Jun/19	9:00	27/Jun/19	18:00	Daily	Tie (726) LBB testing and connection with under construction Bus reactor#03 main bay.	JTCL	WRTS-I	C
850	400	Varsana-2-Essar-1 Tie Bay 414 at Bhachau	27/Jun/19	15:00	27/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
851	765	765/400 kV ICT #1 at Vindhychal(p), dia to be kept open on both sides	27/Jun/19	9:00	27/Jun/19	18:00	Daily	B/U Impedance relays commissioning	POWERGRID	WR-II	R
852	400	VSTPS TIE BAY (Stage-V/ Bay No. 423) at VSTPS end.	27/Jun/19	8:00	27/Jun/19	18:30	Continuous	Annual Bay Maintenance	NTPC	NTPC	R
853	400	400kV, 50 MVAR LINE Reactor Bay No.400-8 & 9 at SASAN	27/Jun/19	8:00	28/Jun/19	20:00	Continuous	Bay Yearly Maintenance	SASAN	RELIANCE	R
854	765	765 KV Gwalior-Bina # 2 line(dia to be kept open at both ends) along with 765kV Bus-2 at Gwalior	27/Jun/19	6:00	27/Jun/19	18:00	Daily	Replacement of suspension and tension string (Porcelain) with Polymer insulator (Strinel in main and Tie bay along with Amp work of terminal equipments	POWERGRID	WR-II	R
855	220	Dehgam -Ranasan ckt-2 at Dehgam	27/Jun/19	8:00	27/Jun/19	18:00	Daily	Amp work of terminal equipments	POWERGRID	WR-II	R
856	400	400 kV Varsana - Charanka line	27/Jun/19	8:00	27/Jun/19	18:00	Daily	Water washing work to avoid chattring	GETCO	GETCO	
857	400	400/220 kV, 315 MVA ICT- 1 Mansar	27/Jun/19	8:00	27/Jun/19	18:00	Daily	ICT-1 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
858	400	400 kV Bus Coupler Mansar	27/Jun/19	8:00	27/Jun/19	18:00	Daily	ICT-1 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
859	400	400 kV TBC Bus Mansar	27/Jun/19	8:00	27/Jun/19	18:00	Daily	ICT-1 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
860	400	400 kV Bus - A Mansar	27/Jun/19	8:00	27/Jun/19	18:00	Daily	ICT-1 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
861	220	220KV Bhanpura-Ranpur(Kota)	27/Jun/19	8:00	27/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
862	400	PARLI - LONIKAND 2 CKT 2	27/Jun/19	09:00	27/Jun/19	17:00	Daily	Line maintenance work.	MSETCL	MSETCL	-
863	220	220 kV Navsari - Nashik line no.2	27/Jun/19	9:00	27/Jun/19	18:00	Daily	Bay maintenance work at Navsari end	GETCO	GETCO	
864	765	765kV Wardha 3 & Solapur 2 Tie bay 717 at Aurangabad	27/Jun/19	9:00	27/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
865	765	765 Kv wardha-A'bad# 3Tie Bay(720) at Wardha	27/Jun/19	9:00	27/Jun/19	18:00	Daily	For AMP work	WRTS-I	WRTS-I	R
866	400	400kV RAIPUR-RAIGARH I	27/Jun/19	9:30	27/Jun/19	17:30	Daily	Retrofitting work of auto reclose relay at Raipur SS & Ckt-2 A/R to be kept in N/A mode & Dia to be kept open at both	WRTS-I	WRTS-I	R
867	400	400 kV Mundra - Bhuj CKT # 2 Main Bay(428) at Bhuj SS	27/Jun/19	10:00	27/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
868	400	414 TPGL-2 Tie Bay at Pirana	27/Jun/19	10:00	27/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
869	400	400 kV Mundra - Bhuj CKT # 2 Tie Bay(429) at Bhuj SS	27/Jun/19	14:00	27/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
870	765KV	765kv Bus Reactor Main Bay-703 at Champa PS	27/Jun/19	9:00	28/Jun/19	17:30	Daily	For AMP/Warranty Tests	WRTS-I	WRTS-I	R
871	400	Station Transformer- 2 at LAPL pathadi	27/Jun/19	6:00	29/Jun/19	18:00	Continuous	1. Annual Maintenance of Station Transformer- 2. Maintenance of Bay-5 at Lanco end.	LANCO	LANCO	R
872	220	220 kV Bus-B1 & Bus Coupler feeder at TAPS 34	27/Jun/19	9:00	29/Jun/19	18:00	Continuous (along with	CB, VT, ES, DS, CT PM checks & Bus bar relay calibration	NPCL	TAPS34	

873	400	Varsana-1 Main Bay 416 at Bhachau	28/Jun/19	8:00	28/Jun/19	13:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
874	400	Varsana-1-Essar-2 Tie Bay 417 at Bhachau	28/Jun/19	15:00	28/Jun/19	19:00	Daily	For Dry Film Thickness (DFT) measurement of RTV Coating	POWERGRID	WR-II	R
875	765	765/400 kV ICT #2 at Vindhyaachal(p), dia to be kept open on both sides	28/Jun/19	7:00	28/Jun/19	15:00	Daily	For ICT#2 AMP work & B/U Impedance relays commissioning	POWERGRID	WR-II	R
876	765	765 KV Gwalior-Bina # 1 line(dia to be kept open at both ends), along with 765kV Bus-2 at Gwalior	28/Jun/19	6:00	28/Jun/19	18:00	Daily	Replacement of suspension and tension string (Porcelain) with Polymer insulator. (String in main and Tie bay along with	POWERGRID	WR-II	R
877	765	765kV D'JAIGARH - RANCHI 1	28/Jun/19	9:00	28/Jun/19	18:00	Daily	For Auto Reclose Testing works & D'garh end dia to be kept open for bays & line equipment AMP works.	WRTS-I	WRTS-I	R
878	400	400/220 kV, 315 MVA ICT- 2 Mansar	28/Jun/19	8:00	28/Jun/19	18:00	Daily	ICT-2 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
879	400	400 kV Bus Coupler Mansar	28/Jun/19	8:00	28/Jun/19	18:00	Daily	ICT-2 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
880	400	400 kV TBC Bus Mansar	28/Jun/19	8:00	28/Jun/19	18:00	Daily	ICT-2 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
881	400	400 kV Bus-A Mansar	28/Jun/19	8:00	28/Jun/19	18:00	Daily	ICT-2 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	
882	400	DHULE- - BABLESHWAR - 1 ALONGWITH AR OF CKT 2 IN NON-AUTO MODE.	28/Jun/19	08:00	28/Jun/19	18:00	Daily	Replacement of Insulator String found suspicious in PID	MSETCL	MSETCL	400kV BBLR ckt- 2 A/R
883	220	220kV Bhanpura-Modak	28/Jun/19	8:00	28/Jun/19	18:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
884	220	220kV Malanpur-Adani	28/Jun/19	9:00	28/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
885	400	EKTUNI - TAPITANDA CKT - 2	28/Jun/19	09:00	28/Jun/19	18:00	Daily	Diagnostic/Relay Testing, Routine Maintenance	MSETCL	MSETCL	400kV Thapti-Tanda ckt-1 R
886	765	765kV Wardha 3 Main bay 718 at Aurangabad	28/Jun/19	9:00	28/Jun/19	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R
887	400	400kV KORADI-SATPURA	28/Jun/19	9:00	28/Jun/19	18:00	Daily	For Line AMP Dia to be open at Koradi end for Bay, line equipment works.	WRTS-I	WRTS-I	R
888	765	765kV Aurangabad-2_Main Bay_710 at Solapur	28/Jun/19	9:00	28/Jun/19	18:00	DAILY	For AMP works.	WRTS-I	WRTS-I	R
889	400	Satpura Main Bay (Bay-425) at Itarsi S/S	28/Jun/19	9:00	28/Jun/19	18:00	Daily	For Retrofitting of existing LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
890	400	422 Main bay GMR#2 at Durg PS	28/Jun/19	9:00	28/Jun/19	19:00	Daily	For AMP works	WRTS-I	WRTS-I	R
891	765	765kV SEONI-BINA	28/Jun/19	9:00	28/Jun/19	20:00	Daily	For TWFL installation and commissioning at Seoni end & Dia to be kept open for Bay and line side equipment AMP works.	WRTS-2	WRTS-1	R
892	220	400/220 kV ICI # 1 & 202 Bay at Bhuj SS	28/Jun/19	10:00	28/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
893	400	T POWER#1 Line Bay (402) at Vadodara (line not present)	28/Jun/19	10:00	28/Jun/19	18:00	Daily	For Bay AMP work	POWERGRID	WR-II	R
894	400	400 KV BUSBAR 1 at Navsari	28/Jun/19	10:00	28/Jun/19	18:00	Daily	BUSBAR 1 AMP works & SF6 Gas trip logic implementation	POWERGRID	WR-II	R
895	400	415 TPGL-2 Main-1 Bay at Pirana	28/Jun/19	10:00	28/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
896	500KV	POLE-1 HVDC MUNDRA TERMINAL S/S.	28/Jun/19	11:30	28/Jun/19	14:30	Daily	Maintenance and Testing of Smoothing Reactor	ATIL	ATIL	Routine
897	220	400/220 kV ICI # 2 & 203 Bay at Bhuj SS	28/Jun/19	14:00	28/Jun/19	17:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
898	400	CGPL Mundra 400KV 421 52 main breaker of GT-40	28/Jun/19	8:00	29/Jun/19	20:00	Daily	Breaker testing and PM	CGPL	CGPL	R
899	765	Tie Bay of 705 of Satna2 & 765KVICT-2 at Bina	28/Jun/19	9:15	29/Jun/19	17:30	Daily	For AMP work.	POWERGRID	WR-II	R
900	220	202 Bay (Malanpur# 1 Bay) at Gwalior	28/Jun/19	6:00	30/Jun/19	18:00	Cont.	Overhauling of CB	POWERGRID	WR-II	R
901	400	MAIN BUS - 1 @ CHANDRAPUR	28/Jun/19	09:00	30/Jun/19	18:00	Continuous	Replacement of damaged bus conductor in 400KV HVDC Ckt No.1&2 and bus coupler bay section	MSETCL	MSETCL	During this outage period
902		ADANI MUNDRA-MAHINDERGARH POLE 1/500	28/Jun/19	11:30	28/Jun/19	14:30	DAILY	Maintenance and Testing of Smoothing Reactor, pole -1 will not be in service.	NRPC	APL	
903	400	400 KV BUS 2 AT MPPTCL INDORE SS and shifting of 400kV Indore-Asoi-1 onto TBC at MPPTCL INDORE SS by Indore ss	29/Jun/19	9:00	30/Jun/19	18:00	Cont.	FOR BUS - 2 ISOLATOR RETROFITTING WORK OF ASOJ # 1 LINE (LINE SHALL REMAIN CHARGED THROUGH TBC)	POWERGRID	WR-II	R
904	400	400 kV Bus 2 at Bhachau S/S	29/Jun/19	8:00	29/Jun/19	18:00	daily	For F/W upgradation of Bus-2 Bus Bar Bay units and Busbar testing. For DFT measurement of RTV Coating in equipment	POWERGRID	WR-II	R
905	765	765/400 kV ICT #3 at Vindhyaachal(p), dia to be kept open on both sides	29/Jun/19	9:00	29/Jun/19	18:00	Daily	B/U Impedance relays commissioning	POWERGRID	WR-II	R
906	765	765kV D'JAIGARH - JHARSUGUDA 1	29/Jun/19	9:00	29/Jun/19	18:00	Daily	For Auto Reclose Testing works & ckt-2 A/R to be kept in Non auto mode for line AMP & D'garh end dia to be kept open for LV Side ICT-1 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	WRTS-I	WRTS-I	R
907	400	400/220 kV, 315 MVA ICT- 1 Mansar	29/Jun/19	8:00	29/Jun/19	18:00	Daily	Replacement of Insulator string found suspicious in PID	GETCO	GETCO	
908	400	DHULE- - BABLESHWAR - 2 ALONGWITH AR OF CKT 1 IN NON-AUTO MODE.	29/Jun/19	08:00	29/Jun/19	18:00	Daily	Replacement of Insulator string found suspicious in PID	MSETCL	MSETCL	400kV BBLR ckt- 1 A/R
909	220	220kV Mahgaon-Adani	29/Jun/19	9:00	29/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
910	400	Indore # 2 Main Bay (Bay-420) at Itarsi S/S	29/Jun/19	9:00	29/Jun/19	18:00	Daily	For Retrofitting of existing LBB relay with Alstom make P442 relay.	POWERGRID	WR-II	R
911	220	Bus Coupler Bay (201) at Bhuj SS	29/Jun/19	10:00	29/Jun/19	13:00	Daily	For oil sampling of CTs & Bay Equipment cleaning.	POWERGRID	WR-II	C
912	220	220kV Annupur-Kotmikala-II	29/Jun/19	10:00	29/Jun/19	17:00	D	For line maintenance work	MP_SLDC	MP_SLDC	
913	400	Bus Coupler Bay 405 at Vadodara	29/Jun/19	10:00	29/Jun/19	18:00	Daily	For Bay AMP work	POWERGRID	WR-II	R
914	400	400 KV BUSBAR 2 at Navsari	29/Jun/19	10:00	29/Jun/19	18:00	Daily	BUSBAR 2 AMP works & SF6 Gas trip logic implementation	POWERGRID	WR-II	R
915	400	417 TPGL-1 Tie bay at Pirana	29/Jun/19	10:00	29/Jun/19	18:00	Daily	Washing and cleaning of bay equipments	POWERGRID	WR-II	R
916		ADANI MUNDRA-MAHINDERGARH POLE 1/500	29/Jun/19	08:00	30/Jun/19	19:00	DAILY	Hotline permit issue for hot line washing work, Auto re- close Off, Pole-1 will be in service.	NRPC	APL	
917	400	401 Bus Reactor# 1 Main bay at Dehgam	30/Jun/19	8:00	30/Jun/19	18:00	Daily	For AMP work	POWERGRID	WR-II	R
918	400	400KV Bus # 2 at Pune (Talegaon)	30/Jun/19	9:00	30/Jun/19	17:00	Daily	For Replacment of Clamps & connectors	WRTS-I	WRTS-I	R

919	400	400 kV Bus 1 at Bhachau S/S	30/Jun/19	8:00	30/Jun/19	18:00	daily	For F/W upgradation of Bus-1 Bus Bar Bay units and MCU and Busbar testing. During upgradation of MCU-1, MCU-2	POWERGRID	WR-II	R
920	765	765kV Vindhyachal-Satna#2 Line at Vindhyachal(p), dia to be kept open at both sides	30/Jun/19	7:00	30/Jun/19	14:00	Daily	T point Isolators connection of anchoring bolt	POWERGRID	WR-II	R
921	765	765KV D'JAIGARH - JHARSUGUDA 2	30/Jun/19	9:00	30/Jun/19	18:00	Daily	For Auto Reclose Testing works & ckt-1 A/R to be keep in Non auto mode for line AMP & D'garh end dia to be kept open for	WRTS-I	WRTS-I	R
922	400	400/220 kV, 315 MVA ICT- 2 Mansar	30/Jun/19	8:00	30/Jun/19	18:00	Daily	LV Side ICT-2 Fly over bus Porcelain Suspension Insulator replacement work by SRI & Water washing	GETCO	GETCO	

मई 2019 और जून 2019 माह के लिये अपेक्षित मांग एवं ऊर्जा की आवश्यकता

Anticipated demand and energy for the month of May 2019 AND June 2019

राज्य	State	मांग DEMAND मेगावाट (MW)		ऊर्जा की आवश्यकता ENERGY REQUIREMENT मिलियन युनिट्स	
		मई 2019 May 2019	जून 2019 June 2019	मई 2019 May 2019	जून 2019 June 2019
<b>1 गुजरात</b>	<b><u>GUJARAT</u></b>				
सीमित	RESTRICTED	18100	17775	11940	11090
असीमित	UNRESTRICTED	18125	17800	11950	11100
<b>2 मध्य प्रदेश</b>	<b><u>MADHYA PRADESH</u></b>				
सीमित	RESTRICTED	12000	10000	6428	5568
असीमित	UNRESTRICTED	12000	10000	7037	7460
<b>3 छत्तीसगढ़</b>	<b><u>CHHATISGARH</u></b>				
सीमित	RESTRICTED	4530	4272	2540	2250
असीमित	UNRESTRICTED	4530	4272	2540	2250
<b>4 महाराष्ट्र</b>	<b><u>MAHARASHTRA</u></b>				
सीमित	RESTRICTED	23450	15150	23150	13900
असीमित	UNRESTRICTED	23500	15200	23200	13950
<b>5 गोवा</b>	<b><u>GOA</u></b>				
सीमित	RESTRICTED	657	657	361	372
असीमित	UNRESTRICTED	696	660	371	379
<b>6 दमन दीव</b>	<b><u>DD</u></b>				
सीमित	RESTRICTED	334	346	216	217
असीमित	UNRESTRICTED	334	346	216	217
<b>7 डी एन एच</b>	<b><u>DNH</u></b>				
सीमित	RESTRICTED	805	810	530	535
असीमित	UNRESTRICTED	805	810	530	535
<b>8 पश्चिम क्षेत्र</b>	<b><u>WESTERN REGION</u></b>				
सीमित	RESTRICTED	57248	54798	36988	33593
असीमित	UNRESTRICTED	58501	56802	36959	34907

## Unit -wise Actual generation for the month of

April 2019 अप्रैल 2019

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Actual वास्तविक		Auxillary Consumption (MUs)
		ऊर्जा Energy (MUs)	चरम Peak (Mw)	
	UKAI(H) - 1	5.94	75	
	UKAI(H) - 2	10.47	75	
	UKAI(H) - 3	0.00	0	
	UKAI(H) - 4	0.00	0	0.00
	<b>UKAI(TOTAL)</b>	<b>16.41</b>	<b>150</b>	<b>0.3140</b>
	UKAI LBCH - 1	0.00	0	
	UKAI LBCH - 2	0.00	0	0.00
	<b>UKAI LBCH (TOTAL)</b>	<b>0.00</b>	<b>0</b>	<b>0.01</b>
	KADANA - 1	2.46	55	
	KADANA - 2	3.60	53	
	KADANA - 3	0.13	49	
	KADANA - 4	0.00	0	0.00
	<b>KADANA (TOTAL)</b>	<b>6.19</b>	<b>157</b>	<b>0.03</b>
	PANAM	0.62	1	0.01
	Madhuban Dam (Hy.)-1	0.00	0	
	Madhuban Dam (Hy.)-2	0.04	0	
	Madhuban Dam (Hy.)-3	0.00	0	0.01
	AREVA HY(KARJAN)	1.78	3	0.00
	Ajanta hy (DOLATPURA)-1	0.00	0	
	Ajanta hy (DOLATPURA)-2	0.55	4	
	Ajanta hy (DOLATPURA)-3	0.63	4	0.00
	<b>SMALL HYDRO</b>	<b>3.63</b>	<b>13</b>	<b>0.03</b>
	SSP RBPH-1	0.00	0	0.00
	SSP RBPH-2	0.00	0	0.00
	SSP RBPH-3	0.00	0	0.00
	SSP RBPH-4	0.00	0	0.00
	SSP RBPH-5	0.00	0	0.00
	SSP RBPH-6	0.00	0	0.00
	SSP-CHPH-1	5.52	33	0.08
	SSP-CHPH-2	1.17	32	0.02
	SSP-CHPH-3	2.00	36	0.03
	SSP-CHPH-4	9.02	36	0.14
	SSP-CHPH-5	8.99	34	0.13
	<b>SSP (TOTAL) *</b>	<b>26.70</b>	<b>171</b>	<b>0.40</b>
	<b>SSP GUVNL Share</b>	<b>4.27</b>	<b>27</b>	<b>0.06</b>
	<b>GUJARAT TOTAL ( HYDRO )</b>	<b>26.22</b>	<b>347</b>	<b>383.04</b>

	<b>THERMAL(GUJARAT)</b>			
	Torrent Power Ltd.- D	82.90	123	7.01
	Torrent Power Ltd.- E	71.58	123	6.01
	Torrent Power Ltd.- F	87.00	124	7.48
	<b>TOTAL TP AHMEDABAD</b>	<b>241.49</b>	<b>370</b>	<b>20.49</b>
	DGB - GT1	0.00	0	
	DGB - STG1	0.00	0	0.20
	DGB - GT2	2.12	62	
	DGB - STG2	1.09	0	0.81
	DGB - GT3	1.97	0	
	DGB - STG3	0.95	0	1.14
	<b>TOTAL DHUVARAN</b>	<b>6.13</b>	<b>62</b>	<b>2.15</b>
	UKAI-3	122.34	202	11.71
	UKAI-4	126.52	203	11.27
	UKAI-5	130.78	213	12.05
	UKAI-6	317.03	505	19.09
	<b>TOTAL UKAI</b>	<b>696.66</b>	<b>1123</b>	<b>54.12</b>
	GANDHINAGAR -3	79.15	213	9.14
	GANDHINAGAR -4	104.83	216	11.18
	GANDHINAGAR -5	135.66	216	13.17
	<b>TOTAL GANDHINAGAR</b>	<b>319.63</b>	<b>645</b>	<b>33.49</b>
	WANAKBORI -1	24.57	211	
	WANAKBORI -2	107.08	198	
	WANAKBORI -3	144.87	217	
	WANAKBORI -4	107.65	214	
	WANAKBORI -5	108.46	214	
	WANAKBORI -6	102.02	214	
	WANAKBORI -7	121.81	215	
	<b>TOTAL WANAKBORI</b>	<b>716.46</b>	<b>1483</b>	<b>65.63</b>
	UGPP GT-4	11.02	227	
	UGPP STG-2	6.92	145	1.47
	<b>TOTAL UTRAN</b>	<b>17.94</b>	<b>372</b>	<b>1.47</b>
	SIKKA - 3	123.86	255	11.85
	SIKKA - 4	137.16	255	12.93
	<b>TOTAL SIKKA</b>	<b>261.02</b>	<b>510</b>	<b>24.78</b>
	Akrimota Linite-1	39.44	83	9.01
	Akrimota Linite-2	35.95	76	8.30

	<b>TOTAL Akrimota Lignite</b>	<b>75.40</b>	<b>159</b>	17.31
	Kutch Lig.-1	21.94	70	3.62
	Kutch Lig.-2	23.39	64	3.85
	Kutch Lig.-3	25.89	69	3.55
	Kutch Lig.-4	36.04	56	7.42
	<b>TOTAL Kutch Lig</b>	<b>107.26</b>	<b>259</b>	18.44
	GIPCL - GT 1	14.57	30	
	GIPCL - GT 2	17.78	30	
	GIPCL - GT 3	4.51	31	
	GIPCL - ST 1	20.12	32	
	GIPCL - GT 4	0.00	0	
	GIPCL - ST 2	0.00	0	
	<b>TOTAL GIPCL</b>	<b>56.98</b>	<b>122</b>	1.52
	SURAT - LIG1	68.79	124	7.23
	SURAT - LIG 2	63.23	120	6.85
	SURAT - LIG 3	73.14	121	8.28
	SURAT - LIG 4	84.15	129	8.94
	<b>Total SURAT -LIG</b>	<b>289.30</b>	<b>494</b>	31.30
	EPGL1	59.66	324	5.18
	EPGL 2	0.00	0	0.26
	<b>TOTAL ESSAR</b>	<b>59.66</b>	<b>324</b>	5.44
	CLPIPL GT1	0.00	0	0.00
	CLPIPL GT2	0.00	0	0.00
	CLPIPL GT3	0.00	0	0.00
	CLPIPL STG	0.00	0	0.00
	<b>TOTAL CLPIPL</b>	<b>0.00</b>	<b>0</b>	0.00
	GSEG 1	0.00	0	
	GSEG 2	0.00	0	
	GSEG STG	0.00	0	0.40
	GSEG -II GT 1	15.05	228	0.00
	GSEG -II STG	9.84	127	1.19
	<b>TOTAL GSEG</b>	<b>24.89</b>	<b>355</b>	1.59
	Sugen (GT 1)	211.47	383	
	Sugen (GT 2)	209.24	388	
	Sugen ( GT 3)	209.91	389	11.91
	Uno Sugan	0.00	0	0.52
	<b>TOTAL SUGEN</b>	<b>630.62</b>	<b>1160</b>	12.44
	APL 1	209.04	339	0.00
	APL 2	217.09	341	0.00
	APL 3	206.69	345	0.00
	APL 4	213.34	343	0.00
	APL 5	414.82	679	0.00
	APL 6	398.26	670	0.00

APL 7	356.61	626	0.00
APL 8	380.80	679	0.00
APL 9	378.51	682	0.00
<b>TOTAL APMuL</b>	<b>2775.16</b>	<b>4704</b>	202.56
OPGS GT1	14.32	149	1.87
OPGS GT2	72.04	141	5.92
<b>TOTAL OPGS</b>	<b>86.36</b>	<b>290</b>	7.79
BECL 1	0.00	0	1.91
BECL 2	0.00	0	0.53
<b>TOTAL BECL</b>	<b>0.00</b>	<b>0</b>	2.44
GPPC GT1	4.93	231	
GPPC STG1	3.18	118	1.27
GPPC GT2	0.15	25	
GPPC STG2	0.02	20	0.48
<b>TOTAL GPPC</b>	<b>8.27</b>	<b>45</b>	1.76
<b>OTHER CPP</b>	<b>5.52</b>	<b>8</b>	0.00
<b>TOTAL CPP</b>	<b>5.52</b>	<b>53</b>	0.00
<b>GUJARAT TOTAL (Th.)</b>	<b>6378.75</b>	<b>12529</b>	504.70
			0.00
<b>GUVNL TOTAL (H+T )</b>	<b>6404.97</b>	<b>12876</b>	505.09
WIND ENERGY	971.38	1349	19.43
SOLAR ENERGY	316.78	440	6.34
BIO -MASS ENERGY	10.61	15	0.21
<b>GUJARAT TOTAL RES</b>	<b>1298.77</b>	<b>1804</b>	<b>25.98</b>
<b>GUVNL TOTAL (H+T+RES )</b>	<b>7703.73</b>	<b>14680</b>	<b>505.11</b>
<b>MADHYA PRADESH</b>			
<b>H Y D R O</b>			
G.' SAGAR	0.00	0	0.09
R.P.SAGAR	0.01	0	0.02
J.' SAGAR	0.86	66	0.02
<b>TOTAL CHAMBAL(100%)</b>	<b>0.87</b>	<b>66</b>	<b>0.13</b>
<b>MP CHAMBAL SHARE (50%)</b>	<b>0.43</b>	<b>33</b>	<b>0.06</b>
PENCH	7.24	157	0.05
MP PENCH SHARE(2/3)	4.83	105	0.04
BARGI	11.88	92	0.04
BARGI (LEFT BANK (NVDA)	0.00	0	0.00
Bansagar TONS	93.20	315	0.11
Bansagar Devlonth	0.00	63	0.03
Bansagar Silpara	7.33	20	0.06
Bansagar Jinaha	9.27	22	0.05
Madikheda	0.00	69	0.05

	BIR'PUR	0.00	21	0.00
	TAWA	0.00	0	0.00
	TOTAL	121.68	602	0.34
	RAJGHAT	0.00	42	0.06
	MP SHARE RAJGHAT(50%)	0.00	21	0.03
	<b>Omkareshwar</b>			
	Unit-1	6.29	65	
	Unit-2	18.11	65	
	Unit-3	17.42	65	
	Unit-4	13.89	65	
	Unit-5	8.37	65	
	Unit-6	2.20	65	
	Unit-7	4.07	65	
	Unit-8	1.19	64	
	<b>TOTAL Omkareshwar</b>	<b>71.54</b>	<b>460</b>	<b>0.39</b>
	Indira Sagar - 1	10.59	134	
	Indira Sagar - 2	9.97	134	
	Indira Sagar - 3	9.21	135	
	Indira Sagar - 4	10.95	135	
	Indira Sagar - 5	9.85	134	
	Indira Sagar - 6	3.20	132	
	Indira Sagar - 7	12.67	133	
	Indira Sagar - 8	17.12	129	
	<b>TOTAL INDIRA SAGAR (100%)</b>	<b>43.59</b>	<b>555</b>	<b>0.53</b>
	MP SSP SHARE	15.22	97	0.23
	<b>MP TOTAL (H)</b>	<b>242.07</b>	<b>1776</b>	<b>1.39</b>
	<b>MADHYA PRADESH (THERMAL)</b>			
	AMARKANTAK (III UNIT-5)	151.71	220	0.00
	<b>TOTAL AMARKANTAK-II</b>	<b>151.71</b>	<b>220</b>	<b>13.27</b>
	SATPURA-II UNIT - 6	80.99	0	
	SATPURA-II UNIT - 7	97.95	175	
	<b>SATPURA-II (UNITS 6 - 7)</b>	<b>178.94</b>	<b>175</b>	<b>18.05</b>
	SATPURA-III UNIT - 8	27.98	188	
	SATPURA-III UNIT - 9	92.55	195	
	<b>SATPURA-III (UNITS 8-9)</b>	<b>120.53</b>	<b>383</b>	<b>12.22</b>
	SATPURA-IV UNIT - 10	162.55	265	
	SATPURA-IV UNIT - 11	154.97	259	
	<b>SATPURA-III (UNITS 10-11)</b>	<b>317.52</b>	<b>524</b>	<b>28.55</b>
	<b>TOTAL SATPURA</b>	<b>616.99</b>	<b>1082</b>	<b>58.83</b>

S.GANDHI TPS-1	111.15	204	
S.GANDHI TPS-2	104.52	202	
<b>SGTPS PHASE-I</b>	<b>215.67</b>	<b>406</b>	<b>21.76</b>
S.GANDHI TPS-3	113.60	209	
S.GANDHI TPS-4	113.21	213	
<b>SGTPS PHASE-II</b>	<b>226.81</b>	<b>422</b>	<b>20.31</b>
S.GANDHI TPS-5	298.00	509	
<b>SGTPS PHASE-III</b>	<b>298.00</b>	<b>509</b>	<b>19.20</b>
<b>TOTAL S.GANDHI TPS</b>	<b>740.48</b>	<b>1337</b>	<b>61.26</b>
SRI SINGHAJI(SSTPS)-I	271.53	605	
SRI SINGHAJI(SSTPS)-II	276.42	599	
<b>SSTPS PHASE-I</b>	<b>547.95</b>	<b>1204</b>	<b>33.12</b>
SRI SINGHAJI(SSTPS)-III	81.84	527	
SRI SINGHAJI(SSTPS)-IV	308.08	0	
SSTPS PHASE-II	389.92	527	
<b>TOTAL SSTPS</b>	<b>937.87</b>	<b>1731</b>	<b>66.02</b>
BLA POWER	8.65	12	0.49
JP BINA+CPP	228.75	318	12.95
<b>MP IPP INJECTION</b>	<b>237.40</b>	<b>330</b>	<b>13.44</b>
<b>MP TOTAL (Th.)</b>	<b>2684.46</b>	<b>4700</b>	<b>212.82</b>
<b>MP TOTAL (H+T )</b>	<b>2926.53</b>	<b>6475</b>	<b>214.21</b>
WIND ENERGY	339.79	472	16.99
SOLAR ENERGY	331.26	460	16.56
BIO -MASS ENERGY	26.19	36	1.31
<b>TOTAL MP RES</b>	<b>697.24</b>	<b>968</b>	<b>34.86</b>
<b>MP TOTAL (H+T+RES )</b>	<b>3623.77</b>	<b>7444</b>	<b>249.07</b>
<b>CHHATTISGARH</b>			
<b>HYDRO</b>			
H. BANGO	18.25	120	0.07
Gangrel	3.63	10	0.05
Mini Micro KWB	0.00	7	0.00
<b>CHHATTISHGARH TOTAL (H)</b>	<b>21.88</b>	<b>137</b>	<b>0.12</b>
<b>CHHATTISHGARH (THERMAL)</b>			
KORBA (E-II) -1	0.00	0	
KORBA (E-II) -2	0.00	0	
KORBA (E-II) -3	0.00	0	
KORBA (E-II) -4	0.00	0	
<b>TOTAL KORBA (E) 1-4</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>

	KORBA (E) -5	50.33	97	
	KORBA (E) -6	62.97	78	
	<b>TOTAL KORBA (E) 5-6</b>	<b>113.30</b>	<b>182</b>	<b>12.29</b>
	<b>TOTAL KORBA (E)</b>	<b>113.30</b>	<b>182</b>	<b>12.29</b>
	KORBA(W) - 1	105.72	166	
	KORBA(W) - 2	127.05	202	
	<b>TOTAL KORBA (W) 1-2</b>	<b>232.77</b>	<b>368</b>	<b>22.40</b>
	KORBA(W) - 3	0.00	190	
	KORBA(W) - 4	124.37	193	
	<b>TOTAL KORBA (W) 3-4</b>	<b>124.37</b>	<b>383</b>	<b>12.77</b>
	KWB EXTN -5	350.54	499	17.26
	<b>TOTAL KORBA (W)</b>	<b>707.67</b>	<b>2001</b>	<b>52.43</b>
	KORBA(EB) Extn - 1 (DSPM 1)	163.23	255	
	KORBA(EB) Extn - 2 (DSPM 2)	171.08	255	
	<b>TOTAL KORBA (E) DSPM</b>	<b>334.31</b>	<b>510</b>	<b>26.96</b>
	MARWA-1	240.98	472	
	MARWA-2	232.48	410	
	<b>TOTAL MARWA</b>	<b>473.46</b>	<b>882</b>	<b>29.19</b>
	<b>TOTAL CHHATTISHGARH (THERMAL)</b>	<b>1628.74</b>	<b>3575</b>	<b>120.86</b>
	<b>CHHATTISGARH (TH+HY)</b>	<b>1650.62</b>	<b>3712</b>	<b>120.98</b>
	<b>MAHARASHTRA</b>			
	<b>H Y D R O</b>			
	Koyana I & II	172.76	0	1.04
	Koyana IV	93.67	0	0.74
	Koyana III	256.05	0	0.22
	K.D.P.H.	25.34	0	0.02
	<b>Total KGSC</b>	<b>547.82</b>	<b>0</b>	<b>2.02</b>
	Panshet	4.21	0	0.01
	V'sgaon	1.26	0	0.00
	Pawna	2.22	0	0.01
	M'kdoh	0.04	0	0.01
	Dimbhe	1.15	0	0.00
	Bhatghar	2.71	0	0.01
	Kanher	0.92	0	0.01
	Dhom	0.83	0	0.00
	Ujjani	0.93	0	0.01
	Warna	2.69	0	0.01
	Tillari	5.98	0	0.03
	D'ganga	0.00	0	0.02
	T'medhe	0.05	0	0.00
	R'nagari	0.00	0	0.00
	Bhira	9.28	0	0.01
	<b>Total HPC Pune</b>	<b>32.27</b>	<b>0</b>	<b>0.14</b>

Vaitarna	5.30	0	0.07
Vaitarna D.T.	0.36	0	0.00
Bhatsa	8.61	0	0.02
Surya	0.00	0	0.01
Yeldari	0.00	0	0.01
Paithan	2.39	0	0.02
Ghatghar U-I	4.15	0	0.14
Ghatghar U-II	0.00	0	0.00
<b>Total HPC Nasik</b>	<b>20.81</b>	<b>0</b>	<b>0.27</b>
<b>TATA HYDRO</b>			
KHOPOLI	28.22	75	
BHIVPURI	13.73	72	
BHIRA	35.11	150	
BHIRA PS	51.16	165	
<b>TOTAL TATA HYDRO</b>	<b>128.21</b>	<b>0</b>	<b>1.83</b>
<b>TOTAL MAHARASHTRA (Hydro)</b>	<b>730.18</b>	<b>0</b>	<b>6.47</b>
<b>THERMAL</b>			
NASIK - 3	26.10	200	
NASIK - 4	106.22	210	
NASIK - 5	120.39	208	
<b>TOTAL NASIK</b>	<b>252.71</b>	<b>618</b>	
TROMBAY - 5	276.40	484	
TROMBAY - 6	0.00	0	
TROMBAY -8	153.34	239	
TROMBAY - 7 A	80.47	117	
TROMBAY - 7 B	46.50	67	
<b>TOTAL TROMBAY</b>	<b>556.71</b>	<b>907</b>	
KORADI - 6	107.11	230	
KORADI - 7	0.00	0	
KORADI - 8	220.91	559	
KORADI - 9	173.74	660	
KORADI - 10	301.20	635	
<b>TOTAL KORADI</b>	<b>802.96</b>	<b>2084</b>	
BHUSAWAL - 3	0.00	0	
BHUSAWAL - 4	305.56	510	
BHUSAWAL - 5	330.04	510	
<b>TOTAL BHUSAWAL</b>	<b>635.60</b>	<b>1020</b>	

PARLI - 4	0.00	0	
PARLI - 5	0.00	0	
PARLI - 6	0.00	0	
PARLI - 7	0.00	0	
PARLI - 8	156.17	250	
<b>TOTAL PARLI</b>	<b>156.17</b>	<b>250</b>	
K'KHEDA - II - 1	83.04	195	
K'KHEDA - II - 2	94.72	175	
K'KHEDA - II - 3	105.26	195	
K'KHEDA - II - 4	119.86	193	
K'KHEDA - II - 5	310.82	500	
<b>TOTAL K'KHEDA</b>	<b>713.70</b>	<b>1258</b>	
PGPL-1	0.00	0	
PGPL-2	0.00	0	
<b>TOTAL PGPL</b>	<b>0.00</b>	<b>0</b>	
URAN (G) - 5	0.00	0	
URAN (G) - 6	0.00	0	
URAN (G) - 7	0.00	0	
URAN (G) - 8	178.80	424	
<b>ALL URAN (G)</b>	<b>193.31</b>	<b>309</b>	
URAN - WHR - I	0.00	0	
URAN - WHR - II	0.00	0	
<b>TOTAL URAN - WHR</b>	<b>0.00</b>	<b>0</b>	
CHANDRAPUR -3	132.13	198	
CHANDRAPUR -4	126.72	190	
CHANDRAPUR -5	293.91	430	
CHANDRAPUR -6	14.87	455	
CHANDRAPUR -7	310.66	460	
CHANDRAPUR -8	322.47	490	
CHANDRAPUR -9	324.53	490	
<b>TOTAL CHANDRAPUR</b>	<b>1525.29</b>	<b>2713</b>	
PARAS -3	176.54	261	
PARAS - 4	171.87	257	
<b>TOTAL PARAS</b>	<b>348.41</b>	<b>518</b>	
REL DAHANU - I	144.76	250	
REL DAHANU - I I	144.76	250	
<b>TOTAL DAHANU</b>	<b>307.56</b>	<b>500</b>	

	APML(All Units)	2111.96	0	
	JSWEL(All Units)	683.64	0	
	VIPL(All Units)	0.00	0	
	RPL AMT(All Units)	320.78	0	
	WPCL(All Units)	0.00	0	
	Other CPPS/IPPS	371.22	0	
	<b>TOTAL MAHARASHTRA CPPS/IPPS</b>	<b>3487.60</b>	<b>4844</b>	
	<b>MAHARASHTRA TOTAL (Th.)(INCL TATA,ADANI)</b>	<b>8980.02</b>	<b>15021</b>	<b>408.11</b>
	<b>MAHARASHTRA TOTAL (H+T )</b>	<b>9710.20</b>	<b>15021</b>	<b>414.58</b>
	Wind injection (W)	536.04	745	10.72
	Solar injection (S)	213.60	297	4.27
	<b>TOTAL MAHARASHTRA RES</b>	<b>749.64</b>	<b>1041</b>	<b>14.99</b>
	<b>TOTAL MAHARASHTRA (TH+H+RES)</b>	<b>10459.84</b>	<b>16062</b>	<b>429.58</b>
	<b>GOA</b>			
	IPP GOA	14.12	20	0.28
	<b>CENTRAL SECTOR</b>			
	<b>N P C I L</b>			
	TAPS - I	85.54	160	0.00
	TAPS - II	112.02	160	0.00
	<b>TOTAL TAPS 1-2</b>	<b>197.57</b>	<b>320</b>	<b>14.47</b>
	TAPS - III	391.91	549	0.00
	TAPS - IV	383.34	546	0.00
	<b>TOTAL TAPS 3-4</b>	<b>775.25</b>	<b>1095</b>	<b>69.55</b>
	KAKRAPAR - I	0.00	0	0.00
	KAKARAPAR - II	161.38	222	0.00
	<b>TOTAL KAPS 1-2</b>	<b>161.38</b>	<b>222</b>	<b>16.59</b>
	<b>TOTAL NPCIL GENERATION</b>	<b>972.82</b>	<b>1415</b>	<b>100.62</b>
	<b>N T P C</b>			
	K S T P S - 1	137.37	215	0.00
	K S T P S - 2	135.68	214	0.00
	K S T P S - 3	139.77	213	0.00
	K S T P S - 4	340.14	513	0.00
	K S T P S - 5	334.58	514	0.00
	K S T P S - 6	334.39	515	0.00
	K S T P S - 7	311.28	513	0.00

	<b>TOTAL K S T P S</b>	<b>1733.21</b>	<b>2697</b>	<b>109.63</b>
	V S T P S - 1	145.06	215	0.00
	V S T P S - 2	141.95	212	0.00
	V S T P S - 3	93.60	211	0.00
	V S T P S - 4	143.58	213	0.00
	V S T P S - 5	137.11	214	0.00
	V S T P S - 6	139.92	215	0.00
	V S T P S - 7	303.41	513	0.00
	V S T P S - 8	354.95	515	0.00
	V S T P S - 9	336.24	514	0.00
	V S T P S - 10	318.95	513	0.00
	V S T P S - 11	317.55	513	0.00
	V S T P S - 12	356.04	514	0.00
	V S T P S - 13	320.49	515	0.00
	<b>TOTAL V S T P S</b>	<b>3108.86</b>	<b>4877</b>	<b>201.19</b>
	SIPAT STPS-1	467.97	660	0.00
	SIPAT STPS-2	471.72	660	0.00
	SIPAT STPS-3	462.77	670	0.00
	SIPAT STPS-4	330.09	520	0.00
	SIPAT STPS-5	352.67	520	0.00
	<b>TOTAL SIPAT</b>	<b>2085.22</b>	<b>3030</b>	<b>112.95</b>
	KAWAS-GT-1A	58.01	105	0.00
	KAWAS-GT-1B	57.72	106	0.00
	KAWAS- ST-1	67.83	116	0.00
	KAWAS-GT-2A	43.91	106	0.00
	KAWAS-GT- 2 B	25.28	106	0.00
	KAWAS-ST-2	39.64	116	0.00
	<b>TOTAL KAWAS</b>	<b>292.40</b>	<b>655</b>	<b>8.16</b>
	GANDHAR - GT1	0.83	144	0.00
	GANDHAR - GT2	0.38	144	0.00
	GANDHAR - GT3	16.29	144	0.00
	GANDHAR - ST3	7.22	0	0.00
	<b>TOTAL GANDHAR</b>	<b>24.72</b>	<b>432</b>	<b>1.65</b>
	MAUDA-1	232.79	510	0.00
	MAUDA-2	246.04	510	0.00
	MAUDA-3	328.50	660	0.00
	MAUDA-4	340.09	500	0.00
	<b>TOTAL MAUDA</b>	<b>1147.42</b>	<b>2180</b>	<b>66.81</b>
	SOLAPUR-1	0.00	680	0.00
	SOLAPUR-2	0.00	0	0.00
	<b>TOTAL SOLAPUR</b>	<b>0.00</b>	<b>660</b>	<b>7.88</b>

LARA-1	0.00	0	0.00
LARA-2	0.00	0	0.00
<b>TOTAL LARA</b>	<b>0.00</b>	<b>660</b>	<b>0.00</b>
GADARWADA-1	0.00	0	0.00
GADARWADA-2	0.00	0	0.00
<b>TOTAL GADARWADA</b>	<b>0.00</b>	<b>660</b>	<b>0.00</b>
KHARGAONE-1	0.00	0	0.00
KHARGAONE-2	0.00	0	0.00
<b>TOTAL KHARGAONE</b>	<b>0.00</b>	<b>660</b>	<b>0.00</b>
<b>TOTAL NTPC GENERATION</b>	<b>8391.84</b>	<b>16511</b>	<b>508.26</b>
<b>RGPPL</b>			
RGPPL (Dabhol) Phase I	0.00	0	0.00
RGPPL (Dabhol) Phase II	189.01	560	0.00
RGPPL (Dabhol) Phase III	169.01	265	0.00
<b>RGPPL TOTAL</b>	<b>358.02</b>	<b>560</b>	<b>8.95</b>
<b>OTHER REGIONAL IPPS</b>			
<b>SASAN TOTAL</b>	<b>2867.44</b>	<b>0</b>	<b>143.37</b>
<b>CGPL TOTAL</b>	<b>2647.65</b>	<b>0</b>	<b>132.38</b>
<b>JPL TOTAL</b>	<b>137.00</b>	<b>0</b>	<b>6.85</b>
<b>JPL EXT TOTAL</b>	<b>672.48</b>	<b>0</b>	<b>33.62</b>
BALCO -1	0.00	0	0.00
BALCO -2	0.00	0	0.00
BALCO -3	0.00	0	0.00
BALCO -4	0.00	0	0.00
<b>BALCO TOTAL</b>	<b>262.56</b>	<b>0</b>	<b>13.13</b>
ACBIL -1	0.00	0	0.00
ACBIL -2	0.00	0	0.00
<b>ACBIL TOTAL</b>	<b>402.23</b>	<b>0</b>	<b>20.11</b>
TRN -1	0.00	0	0.00
TRN-2	0.00	0	0.00
<b>TRN TOTAL</b>	<b>209.18</b>	<b>0</b>	<b>10.46</b>
NSPCL -1	0.00	0	0.00
NSPCL-2	0.00	0	0.00
<b>NSPCL TOTAL</b>	<b>330.80</b>	<b>0</b>	<b>16.54</b>
JAYPEE NIGRIE -1	0.00	0	0.00
JAYPEE NIGRIE-2	0.00	0	0.00
<b>JAYPEE NIGRIE TOTAL</b>	<b>624.79</b>	<b>0</b>	<b>31.24</b>
KSK MAHANADI -1	0.00	0	0.00
KSK MAHANADI -2	0.00	0	0.00
KSK MAHANADI -3	0.00	0	0.00
<b>KSK MAHANADI TOTAL</b>	<b>672.70</b>	<b>0</b>	<b>33.64</b>
MB POWER -1	0.00	0	0.00
MB POWER-2	0.00	0	0.00

	<b>MB POWER TOTAL</b>	<b>572.50</b>	<b>0</b>	<b>28.63</b>
	DB POWER -1	0.00	0	0.00
	DB POWER-2	0.00	0	0.00
	<b>DB POWER TOTAL</b>	<b>512.45</b>	<b>0</b>	<b>25.62</b>
	RKM POWER GENERATION -1	0.00	0	0.00
	RKM POWER GENERATION -2	0.00	0	0.00
	RKM POWER GENERATION -3	0.00	0	0.00
	<b>RKM POWER GENERATION TOTAL</b>	<b>106.08</b>	<b>0</b>	<b>5.30</b>
	KWPCL -1	0.00	0	0.00
	KWPCL-2	0.00	0	0.00
	<b>KWPCL TOTAL</b>	<b>-0.54</b>	<b>0</b>	<b>-0.03</b>
	JHABUA POWER-1	0.00	0	0.00
	JHABUA POWER-2	0.00	0	0.00
	<b>JHABUA POWER TOTAL</b>	<b>280.76</b>	<b>0</b>	<b>14.04</b>
	LANCO(AMERKANTAK PATHADI)-1	0.00	0	0.00
	LANCO(AMERKANTAK PATHADI)-2	0.00	0	0.00
	<b>LANCO(AMERKANTAK ) TOTAL</b>	<b>346.69</b>	<b>0</b>	<b>17.33</b>
	SKS-1	0.00	0	0.00
	SKS-2	0.00	0	0.00
	<b>SKS POWER GEN TOTAL</b>	<b>136.88</b>	<b>0</b>	<b>13.47</b>
	GMR RAIPUR -1	0.00	0	0.00
	GMR RAIPUR-2	0.00	0	0.00
	GMR RAIPUR GEN TOTAL	256.36	0	12.82
	DHARIWAL-1	0.00	0	0.00
	DHARIWAL-2	0.00	0	0.00
	DHARIWAL GEN TOTAL	156.96	0	7.85
	EPML-1	0.00	0	0.00
	EPML-2	0.00	0	0.00
	EMPL GEN TOTAL	210.97	0	10.55
	<b>TOTAL WR IPP</b>	<b>11405.92</b>	<b>0</b>	<b>556.26</b>
	<b>(I) पश्चिमी क्षेत्र WESTERN REGION</b>			
	ग्रेस उत्पादन Gross generation	44580.67		
	<b>(J) उपलब्धता Availability</b>	42101.57		
	नेट विनिमय Net Exchanges	-8230.12		
	उपलब्ध ऊर्जा Energy Availability	33871.45		

राज्य	State	वास्तविक Actual (MW)					दिनांक Date	समय Time	आवृत्ति Frequency
		आपूर्ति Catered	UNSCH LS	FC	SCH LS	कुल Total			
गुजरात पंजीकृत सीमित असीमित न्यूनतम पंजीकृत मांग	<b><u>GUJARAT</u></b>								
	Registered	17865	-	-	-	17865	29.04.2019	15:00	49.99
	Restricted								
	Unrestricted	17865	0	6.25275	0	17871.3	29.04.2019	15:00	49.99
	Min. Registered Demand	12769				12769	17.04.2019	0:00	50.00
मध्य प्रदेश पंजीकृत सीमित असीमित न्यूनतम पंजीकृत मांग	<b><u>MADHYA PRADESH</u></b>								
	Registered	10018	-	-	-	10018	02.04.2019	7:30	50.03
	Restricted								
	Unrestricted	10018	0	0	0	10018	02.04.2019	7:30	50.03
	Min. Registered Demand	5333				5333	17.04.2019	04:00	
छत्तीसगढ़ पंजीकृत सीमित असीमित न्यूनतम पंजीकृत मांग	<b><u>CHHATTISGARH</u></b>								
	Registered	4574	-	-	-	4574	27.04.2019	0:00	49.86
	Restricted								
	Unrestricted	4574	0	22	0	4596	27.04.2019	0:00	49.86
	Min. Registered Demand	3246				3246	11.04.2019	18:00	
महाराष्ट्र पंजीकृत सीमित असीमित न्यूनतम पंजीकृत मांग	<b><u>MAHARASHTRA</u></b>								
	Registered	23150	-	-	-	23150	30.04.2019	15:00	49.99
	Restricted								
	Unrestricted	23150	0	8	0	23158	30.04.2019	15:00	49.99
	Min. Registered Demand	17737				17737	5-Apr-19	3:00	50.02
गोवा पंजीकृत असीमित न्यूनतम पंजीकृत मांग	<b><u>*GOA</u></b>								
	Registered	594	-	-	-	594	29.04.2019	21:00	50.03
	Unrestricted	594	0	0.00	0	594	29.04.2019	21:00	50.03
	Min. Registered Demand								
एस्सार पंजीकृत असीमित न्यूनतम पंजीकृत मांग	<b><u>ESSAR(ESIL)</u></b>								
	Registered	898	-	-	-	898	14.04.2019	18:00	50.05
	Unrestricted	898	0	0	0	898	14.04.2019	18:00	50.05
	Min. Registered Demand								
दमन एवं दीव पंजीकृत असीमित न्यूनतम पंजीकृत मांग	<b><u>DD</u></b>								
	Registered	340	-	-	-	340	10.04.2019	17:00	49.94
	Unrestricted	340	0	1	0	341	10.04.2019	17:00	49.94
	Min. Registered Demand								
दादरा व न हवेली पंजीकृत असीमित न्यूनतम पंजीकृत मांग	<b><u>DNH</u></b>								
	Registered	818	-	-	-	818	29.04.2019	17:00	50.02
	Unrestricted	818	0	0	0	818	29.04.2019	17:00	50.02
	Min. Registered Demand								
पश्चिम क्षेत्र पंजीकृत सीमित असीमित न्यूनतम पंजीकृत मांग	<b><u>WESTERN REGION</u></b>								
	Registered	56222	-	-	-	56222	30.04.2019	15:00	49.99
	Restricted								
	Unrestricted	56222	0	20	0	56242	30.04.2019	15:00	49.99
	Min. Registered Demand	42715				42715	17.04.2019	4:00	

**NOTE:** = Load Shedding  
= Power Cuts/Regulatory Measures  
= Frequency Correction  
= Actual Demand Met  
= Registered + LS + FC  
= Registered + LS + FC + PC + Holiday Staggering + Recess Staggering.

**List of Inter-state/Inter-Regional Lines- Parallel/ Radial Operation**

अनु.क्र.	समांतर/वृतीय प्रचालन	PARALLEL / RADIAL OPERATION	Total Operating Hours(HH:MM:SS)
<b>एचवीडीसी लाइंस HVDC Lines</b>			
1	एचवीडीसी बैक टु बैक लिंक विंध्याचल पोल 1	HVDC back-to back link Vindhyachal-Pole 1	701:00:00
2	एचवीडीसी बैक टु बैक लिंक विंध्याचल पोल 2	HVDC back-to back link Vindhyachal-Pole 2	00:00:00
3	एचवीडीसी मुँदरा टु महेनदरगढ़ पोले 1	HVDC Mundra-Mahendergarh Pole 1	720:00:00
4	एचवीडीसी मुँदरा टु महेनदरगढ़ पोले 2	HVDC Mundra-Mahendergarh Pole 2	720:00:00
5	एचवीडीसी चांपा टु कुरुक्षेत्र पोल 1	HVDC Champa-Kuruksheetra Pole-1	720:00:00
6	एचवीडीसी चांपा टु कुरुक्षेत्र पोल 2	HVDC Champa-Kuruksheetra Pole-2	720:00:00
7	एचवीडीसी चांपा टु कुरुक्षेत्र पोल 3	HVDC Champa-Kuruksheetra Pole-3	720:00:00
8	एचवीडीसी बैक टु बैक लिंक भद्रावती पोल 1	HVDC back-to back link Bhadrawti Pole-1	717:09:00
9	एचवीडीसी बैक टु बैक लिंक भद्रावती पोल 2	HVDC back-to back link Bhadrawti Pole-2	158:15:00
<b>अंतर-क्षेत्रीय लाइनें Inter-Regional Lines</b>			
1	765 केवी सोलापुर से रायचूर -I	765kV solapur to Raichur I	710:52:00
2	765 केवी सोलापुर से रायचूर -II	765kV solapur to Raichur II	719:13:00
3	765 केवी वर्धा से निजामाबाद-I	765kV Wardha to Nizamabad I	720:00:00
4	765 केवी वर्धा से निजामाबाद-II	765kV Wardha to Nizamabad II	719:52:00
5	765 केवी ग्वालियर से फागी-I	765kV Gwalior to Phagi I	720:00:00
6	765 केवी ग्वालियर से फागी-II	765kV Gwalior to Phagi II	720:00:00
7	765 केवी ग्वालियर से आगरा-I	765kV Gwalior to Agra I	720:00:00
8	765 केवी ग्वालियर से आगरा-II	765kV Gwalior to Agra II	720:00:00
9	765 केवी धरमजयगड से न्यू रांची-I	765kV D'garh to New Ranchi I	720:00:00
10	765 केवी धरमजयगड से न्यू रांची-II	765kV D'garh to New Ranchi II	651:29:00
11	765 केवी धरमजयगड से झारसुगुड़ा-I	765kV D'garh to Jharsuguda I	718:45:00
12	765 केवी धरमजयगड से झारसुगुड़ा-II	765kV D'garh to Jharsuguda II	719:20:00
13	400 केवी कोल्हापुर से नरेंद्र I	400kV Kolhapur-Narendra I	720:00:00
14	400 केवी कोल्हापुर से नरेंद्र II	400kV Kolhapur-Narendra II	719:14:00
15	400 केवी कंसारी से भिनमल	400kV Kansari- Bhinmal	720:00:00
16	400 केवी कंसारी से कंकरोली	400kV Kansari- Kankroli	700:33:00
17	400 केवी रैप से सूजलपुर-I	400 kV RAPP-Sujalur I	720:00:00
18	400 केवी रैप से सूजलपुर-II	400kV RAPP-Sujalur II	720:00:00
19	400 केवी सिपत से रांची I	400kV Sipat-Ranchi I	720:00:00
20	400 केवी सिपत से रांची II	400kV Sipat-Ranchi II	708:21:00
21	400 केवी रायगढ़ से झारसुगुड़ा I	400kV Raigarh to Jharsuguda I	720:00:00
22	400 केवी रायगढ़ से झारसुगुड़ा II	400kV Raigarh to Jharsuguda II	720:00:00
23	400 केवी रायगढ़ से झारसुगुड़ा III	400kV Raigarh to Jharsuguda III	720:00:00
24	400 केवी रायगढ़ से झारसुगुड़ा IV	400kV Raigarh to Jharsuguda IV	720:00:00
25	400 केवी रायगढ़ से बुद्धिपदर	220kV Raigarh-Budhipadar	717:09:00
26	220 केवी कोरबा पूर्व से बुद्धिपादर-II	220kV K(E) to Budhipadar-II	720:00:00
27	220 केवी कोरबा पूर्व से बुद्धिपादर-III	220kV K(E) to Budhipadar-III	690:03:00
28	220 केवी बढोड से साकतपुर	220kV Badod to Sakatpur पश्चिम क्षेत्रीय भार प्रणाली केंद्र, मुंबई WRLDC, Mumbai	720:00:00
29	220 केवी भनपुर से मोडक	220kV Bhanpur to Modak	720:00:00

30	220 केवी महगाओं से औरैया	220kV Mehgaon to Auraiya	705:16:00
31	220 केवी मालनपुर से औरैया	220kV Malanpur to Auraiya	716:05:00

### अंतर-राज्यीय लाइनें Inter-State Lines

1	765 केवी सिवनी से वर्धा-I	765kV Seoni to Wardha-I	720:00:00
2	765 केवी सिवनी से वर्धा-II	765kV Seoni to Wardha-II	720:00:00
3	765 केवी दुर्ग से वर्धा -I	765kV Durg to Wardha I	373:41:00
4	765 केवी दुर्ग से वर्धा -II	765kV Durg to Wardha II	720:00:00
5	765 केवी दुर्ग से वर्धा -III	765kV Durg to Wardha III	685:50:00
6	765 केवी दुर्ग से वर्धा -IV	765kV Durg to Wardha IV	224:23:00
7	765 केवी धुले से वडोदरा-I	765kV Dhule to Vadodara I	720:00:00
8	765 केवी इंदौर से वडोदरा-I	765kV Indore(PG) to Vadodara I	688:53:00
9	765 केवी धरमजयगड से जबलपुर-I	765kV D'garh to Jabalpur I	565:13:00
10	765 केवी धरमजयगड से जबलपुर-II	765kV D'garh to Jabalpur II	363:12:00
11	765 केवी धरमजयगड से जबलपुर-III	765kV D'garh to Jabalpur III	527:27:00
12	765 केवी धरमजयगड से जबलपुर-IV	765kV D'garh to Jabalpur IV	384:32:00
13	765 केवी सिवनी से बिलासपुर-I	765kV Seoni to Bilaspur-I	720:00:00
14	765 केवी सिवनी से बिलासपुर-II	765kV Seoni to Bilaspur-II	720:00:00
15	400 केवी भिलाई से कोराडी	400kV Bhilai to Koradi	720:00:00
16	400 केवी भिलाई से भद्रावती	400kV Bhilai to Bhadravati	720:00:00
17	400 केवी भिलाई से सियोनि	400kV Bhilai to Seoni	720:00:00
18	400 केवी रायपुर से भद्रावती -I	400kV Raipur to Bhadravati-I	720:00:00
19	400 केवी रायपुर से भद्रावती -II	400kV Raipur to Bhadravati-II	720:00:00
20	400 केवी रायपुर से भद्रावती -III	400kV Raipur to Bhadravati-III	720:00:00
21	400 केवी रायपुर से वर्धा-I	400kV Raipur to Wardha-I	708:19:00
22	400 केवी रायपुर से वर्धा-II	400kV Raipur to Wardha-II	720:00:00
23	400 केवी सातपुरा से कोराडी	400kV Satpura to Koradi	720:00:00
24	400 केवी कोल्हापुर(GIS) से मापुसा-I	400kV Kolhapur(GIS)-Mapusa-I	720:00:00
25	400 केवी कोल्हापुर(GIS) से मापुसा-II	400kV Kolhapur(GIS)-Mapusa-II	720:00:00
26	400 केवी खंडवा से धुले-I	400kV Khandwa-Dhule-I	720:00:00
27	400 केवी खंडवा से धुले-II	400kV Khandwa-Dhule-II	720:00:00
28	400 केवी एसएसपी से धुले-I	400kV SSP-Dhule-I	332:52:00
29	400 केवी एसएसपी से धुले-II	400kV SSP-Dhule-II	487:14:00
30	400 केवी वापी से बोईसर	400kV Vapi-Boisar	720:00:00
31	400 केवी एसएसपी से राजगढ़-I	400kV SSP- Rajgarh -I	528:54:00
32	400 केवी एसएसपी से राजगढ़-II	400kV SSP- Rajgarh -II	501:08:00
33	400 केवी कासोर से राजगढ़-I	400kV Kasor- Rajgarh -I	694:44:00
34	400 केवी कासोर से राजगढ़-II	400kV Kasore- Rajgarh -II	683:23:00
35	400 केवी इंदौर से असोज-I	400kV Indore to Asoj-I	704:43:00
36	400 केवी इंदौर से असोज-II	400kV Indore to Asoj-II	705:01:00
37	400 केवी कोरबा से बीरसिंगपुर I	400kV Korba-Birsigpur I	720:00:00
38	400 केवी कोरबा से बीरसिंगपुर II	400kV Korba-Birsigpur II	720:00:00
39	400 केवी कोरबा से एस्सार महान	400kV Korba-Essar Mahan	637:30:00
40	400 केवी कोरबा से विंध्याचल	400kV Korba-Vindhyachal	682:43:00
41	400 केवी नागदा से देहगाम-I	400kV Nagda to Dehgam I	720:00:00
42	400 केवी नागदा से देहगाम-II	पश्चिम विद्युत क्षेत्र केन्द्र, WRLDC, Mumbai	720:00:00

अप्रैल 2019 के अंत में पश्चिम क्षेत्र के मुख्य जलाशयों के स्तर  
LEVEL OF MAJOR RESERVOIRS IN WESTERN REGION AT THE END OF MONTH OF April 2019

विवरण Particulars	गु उ वि नि लि GUVNL	मप्रविउकं लि MPPGCL	एन एच डी सी NHDC	मराविउकं लि MSEGCL
	उकाई Ukai	गांधीसागर Gandhisagar	इंदिरा सागर Indira Sagar	कोयना Koyna
Levels in Mtrs. स्तर मीटर में				
माह के अंत में At the end of the month	87.86	381.14	253.21	638.88
पिछले वर्ष इस माह के अनुरूप आंकड़ें Corresponding Figure of the month Last Year	91.12	387.21	250.37	641.97

Western Region-Event Report for April 2019

Annexure 5

S.No	Region	Name of Elements	Owner/Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA standards	Energy Unserved (MU)
				Date	Time	Date	Time						
1	WR	Tripping of 1.400 kV Kasor- Rajgad 2 2.400/220 kV 315MVA Kasor ICT 3 3.400 kV 50 MVAR Kasor Bus Reactor 4.400 kV Kasor Bus Coupler	GETCO	01/04/2019	8:58	01/04/2019	10:48	1:50	At 400 kV Kasor s/s, B phase conductor from pantograph isolator broken and fell over the IPS tube of Y phase pantograph isolator of 400 kV Rajgad 2. This created Y-B phase fault in 400 kV Kasor Bus1 and it tripped with all the elements connected on Bus bar protection operation.	Nil	Nil	GI-2	Nil
2	WR	Tripping of 1.400 kV Aurangabad(MH)-Deepnagar 2.400 kV Aurangabad(MH)-Aurangabad(PG) 2 3.400 kV Aurangabad(MH)-Pune 2 4.400/220 kV 315 MVA Aurangabad(MH) ICT 1&2	MSETCL	03/04/2019	17:14	03/04/2019	18:17	1:03	At 400 kV Aurangabad(MH), 400 kV Bus 1 bus bar protection operated and all the elements connected to 400 kV Bus 1 tripped. At the time of tripping new bus bar relay comissioning/testing work was under progress. Tripping from the New bus bar scheme was kept isolated but through the LBB wiring the positive supply got extended to old bus bar scheme and 400 kV Bus 1 tripped.	Nil	Nil	GI-2	Nil
3	WR	Tripping of 1.220 kV Borivali-Kalwa 2.220 kV Borivali-Khargar 2 3.220 kV Borivali-Tarapur 4.220 kV Borivali-TATA 4 5.220 kV Borivali-Bhandup 6.220 kV Borivali-AEML Borivali 2 7.220 kV Borivali-Gorai 2	MSETCL	08/04/2019	1:10	08/04/2019	3:27	2:17	At 220 kV Borivali s/s, 220 kV Bus 1 and 2 tripped on Bus bar protection when there was a through fault on 220 kV Borivali-Kalwa. 220 kV Tarapur line Y phase CT cable from Marshalling box to the Bus bar relay panel found damaged and replaced with a new one.	Nil	Nil	GI-1	Nil
4	WR	Tripping of 1.400 kV Aurangabad(MH)-Deepnagar 2.400 kV Aurangabad(MH)-Aurangabad(PG) 2 3.400/220 kV 315 MVA Aurangabad(MH) ICT 1&2	MSETCL	12/04/2019	12:50	12/04/2019	13:07	0:17	At 400 kV Aurangabad(MH), 400 kV Bus 1 bus bar protection operated and all the elements connected to 400 kV Bus 1 tripped due to DC leakage.	Nil	Nil	GI-2	Nil
5	WR	Tripping of 1.400/220kV Chandrapur-II ICT 2 2.400 kV Chandrapur 2 Bus 1 3.400 kV Bhadrawathi-Chandrapur IV 4.500 MW Chandrapur-II Unit-8 5.500 MW Chandrapur-II Unit-9 6.300 MW Dhariwal(STU) Unit 7.300 MW Dhariwal(CTU) Unit	MSETCL	12/04/2019	15:25	12/04/2019	17:35	2:10	At 400 kV Chandrapur-II s/s, R-phase pole of 500MVA ICT-2 tie breaker blasted, resulting in Bus-1 busbar protection operation. As the fault was persistent, LBB of tie bay operated, and Main bay of ICT-2 (on Bus-2) tripped. During the event, Chandrapur Unit-8(500MW) & Unit-9(500MW), and Dhariwal units (2X300MW) tripped causing generation loss of 1421MW (Ex-bus). 400kV Chandrapur –Bhadrawati-4 tripped at Bhadrawati end only.	1421	Nil	GI-2	Nil
6	WR	Tripping of 1.400 kV Nagothane-Padghe 1&2 2.400 kV Nagothane-Dhabol 1 3.400/220 kV 315 MVA Nagothane ICT 1&2 4.400/220 kV 500 MVA Nagothane ICT 3 5.400 kV Nagothane Bus coupler	MSETCL	13/04/2019	22:50	14/04/2019	0:26	1:36	At 400 kV Nagothane s/s, Bus coupler bay, IPS Tube between B-ph CT and 400 kV Bus 2 fell down and created B phase fault. 400 kV Bus 1,2 and all its connected elements tripped on Bus bar protection operation.	Nil	Nil	GI-2	Nil

7	WR	Tripping of 1.220 kV Pithampur Interconnector 2 2.220 kV Pithampur-Badnagar 3.400/220 kV 315 MVA Pithampur ICT 2	MPPTCL	15/04/2019	0:49	15/04/2019	1:22	0:33	At 400/220 kV Pithampur s/s, R phase CT of 220 kV TBC blasted resulted in tripping of all the elements connected to 220 kv bus 2 on bus bar protection operation. 220 kV Pithampur Interconnector 2 was connected to 220 kv Bus 2 through 220 kV TBC due to the problem in Main breaker.	Nil	Nil	GI-1	Nil
8	WR	Tripping of 1.400 kV Pithampur-Singhaji 1&2 2.400 kV Khandwa-Indore 1&2 3.220 kV Omkareshwar-Barwaha 4.220 kV Omkareshwar-Nirmani	MPPTCL/PGCL	16/04/2019	18:34	20/04/2019	20:19	97:45	765 kV Khandwa-Dhule line which was under construction collapsed and fell over the 400 kV Pithampur-Singhaji 1&2, 400 kV Khandwa-Indore 1&2, 220 kV Omkareshwar-Barwaha and 220 kV Omkareshwar-Nirmani and resulted in tripping of the lines on distance protection operation.	Nil	Nil	GI-2	Nil
9	WR	Tripping of 1.400/220 kV Wanakbori ICT 1 2.210 MW Wanakbori Unit 4	GSECL	27/04/2019	0:59	27/04/2019	3:42	2:43	At 400 kV Wanakbori power station, 400/220 kV ICT 1 & Unit 4 GT Tie bay B phase CT blasted and resulted in tripping of the main bays of the above said elements.	152	Nil	GI-2	Nil
10	WR	Tripping of 1.400 kV Wanakbori-Asoj 2.400 kV Wanakbori-Dhegam 1 3.400 kV Wanakbori-Soja 1 4.210 MW Wanakbori Units 4,6&7	GSECL	27/04/2019	21:21	27/04/2019	23:05	1:44	At 400 kV Wanakbori power station, 400 kv Soja 1 & Unit 7 GT Tie bay B phase CT blasted and resulted in tripping of 400 kv Bus 2, 400 kv Wanakbori-Asoj,400 kv Wanakbori-Dhegam 1, 400 kv Wanakbori-Soja 1 and 210 MW Wanakbori Units 4,6&7	460	Nil	GI-2	Nil
11	WR	Tripping of 1.220 kV Pithampur-Badnagar 2.220 kV Pithampur Interconnector 1&2 3.400/220 kV 315 MVA Pithampur ICT 1&2	MPPTCL	28/04/2019	7:28	28/04/2019	8:16	0:48	At 400/220 kV Pithampur s/s, R phase CT of 220 kV Pithampur Interconnector blasted and all the elements connected to 220 kv Bus 1 and 2 tripped.	Nil	Nil	GI-1	Nil
12	WR	Tripping of 1.400 kV Wanakbori-Asoj 2.210 MW Wanakbori Unit 5	GSECL	28/04/2019	22:46	29/04/2019	1:19	2:33	At 400 kV Wanakbori power station, 400 kv Asoj & Unit 5 GT Tie bay CT blasted and resulted in tripping of the main bays of the above said elements.	147	Nil	GI-2	Nil

13	WR	Tripping of 1.400 kV Parli(MH)-Lonikhand 1 2.400 kV Parli(MH)-Nanded 1&2 3.400 kV Parli(MH)- Chandrapur 4.400 kV Parli(MH)-Parli(PG) 5.400/220 kV Parli(MH) ICT 3	MSETCL	29/04/2019	18:07	29/04/2019	19:14	1:07	At 400 kV Parli(MH) s/s, Y phase CT of 400 kV Chandrapur blasted and resulted in tripping of all the elements connected to 400 kV Bus 2 on Bus bar protection operation.	Nil	Nil	GI-2	Nil
14	WR	Tripping of 1.220 kV Seoni(MP)-Seoni(PG) 1&2 2.220/132 kV 160 MVA Seoni(MP) ICTs 1&2	MPPTCL	29/04/2019	18:10	29/04/2019	18:49	0:39	At 220 kV Seoni(MP) s/s, 220 kV bus coupler B phase CT blasted and resulted in tripping of 220 kV Seoni(MP)-Seoni(PG) 1&2 and 220/132 kV 160 MVA Seoni(MP) ICTs 1&2. 132 kV Lalbuara, Pench, Mandla and Seoni load got affected due to the event.	Nil	135	GD-1	0.08775
15	WR	Tripping of 1.400 kV Wanakbori-Dhegam 1 2.210 MW Wanakbori Units 4,5&7	GSECL	29/04/2019	23:04	30/04/2019	0:04	1:00	At 400 kV Wanakbori power station,while closing the tie breaker (408) of Dehgam line and Unit 6 GT at Wanakbori,tie line-1 tie breaker tripped due to which 400kV main bus-2 got isolated. Due to isolation of 400kV Bus-2, Unit-4, Unit-5 and Unit-7 tripped due to loss of evacuation path.	400	Nil	GI-2	Nil

*Disclaimer : The Above details are based on the preliminary/flash report of the event and may change after finalisation of the detailed report.The quantum of load/generation loss is based on details given by SLDC and utility and may vary later with updated details.*

**Annexure-7.1****Status of Reactors**

<b>Sl. No.</b>	<b>400 kV Sub/Stn.</b>	<b>Size (MVar)</b>	<b>Implementing agency</b>	<b>Expected date of commissioning</b>
1	Nanded	125	MSETCL	Commissioned on 02/2018
2	Kolhapur	125	MSETCL	Commissioned on 02/2018
3	Akola	125	MSETCL	Commissioned on 02/2018
4	ISP	125	NHDC	December – 2019 expected
5	Satpura-ISP Line Rx(at Satpura end)	50	MPPGCL	Apr-2019
6	Bus Reactor at New Parli(PG)	330	PGCIL	Commissioned on 24.04.2018
7	Bus Reactor at Dhariwal	80	DIL	Commissioned on 23.05.2018
8	Warora(PS)	80	PWTL/Maharashtra	Commissioned on 09-05-2018
9	Warora(PS)	80	PWTL/Maharashtra	Commissioned on 09-05-2018
10	Warora(PS)	330	PWTL/Maharashtra	Commissioned on 18-05-2018
11	Warora(PS)	330	PWTL/Maharashtra	Commissioned on 18-05-2018
12	New Parli	330	PPTL/Maharashtra	Commissioned on 21-05-2018
13	New Parli	330	PPTL/Maharashtra	Commissioned on 21-05-2018
14	Warora(PS)	330	PWTL/Maharashtra	Commissioned on 10-05-2018
15	KAPS 3&4	125	NPCIL/Gujarat	Commissioned on 14-05-2018
16	EPTCL/ Chhattisgarh	50	EPTCL	Commissioned on 21.07.2018
17	EPTCL / Chhattisgarh	50	EPTCL	Commissioned on 27.07.2018

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**Annexure 7.2****Status of Transmission schemes: 765/400 kV and above**

The updated status on various ongoing transmission schemes for the year 2018-19 as per the current information available is as follows: -

<b>Sl. No.</b>	<b>Name of the Line</b>	<b>Ckt km</b>	<b>Target Completion Date as per TRM on 07.05</b>	<b>Revised estimated target date</b>	<b>Remarks</b>
<b>Powergrid</b>					
1	LILO of Lonikhand-Kalwa at Navi Mumbai GIS-JSL/LS Cable	16	Mar 19		
2	Parli(PG)-New Parli(PG) ckt I & II	18			Commissioned on 21.04.2018
3	765kV Vindhyachal - Jabalpur D/C	749			Charged on 29.12.2018
4	765kV D/C Gadarwara STPP - Warora	453.6			Commissioned in Oct 18
5	800 kV Raigarh-Pugalur HVDC Bipole	3676	March-19		Work under progress
6	400kV D/C Banaskantha - Sankheri (GETCO)	43.4			Charged on 18.12.2018
7	765kV D/C Banaskantha - Chittorgarh	293.3	March 2018		
8	400kV D/C Banaskantha (Radhanesda) - Banaskantha (PG)	132	June 2019		
9	765kV Bhuj-Banaskamta DC	583	Mar 19		
10	400 kV Mundra UMPP – Bhuj DC	190	Mar 19		
11	400 kV D/c Wardha-Aurangabad(Upgradable to 1200 kV)	347	February 19		Work is in progress

12	765 kV D/C Jharsuguda-Dharamjaigarh line 2	149			Charged on 01.11.18
14	LILo of 400Kv D/C Wardha – Parli at Warora	196			Commissioned on 16.05.2018
15	765Kv D/C Warora - Parli	698			Commissioned on 04.06.2018
16	765Kv D/C Parli - Solapur	236			Commissioned on 27.04.2018
17	400Kv D/C Parli - Parli	37			Commissioned on 27.04.2018
<b>Chhattishgarh</b>					
1	LILo of 400kV Raita-Jagdalpur at Dhamtari	2	Aug 19	Oct 19	Work under Progress
2	220 kV Barsoor-Jagdalpur	175	Mar 19	Jun 19	
3	220kV Gurur-Kurud (Bangoli)	73.6	Aug 19	Oct 19	
4	LILo of 220kV Korba(E)-Siltara at DSPM	3			Line work in progress and for feeder bay works tender to be issued shortly
5	LILo of 220 KV Mopka-Bhatapara Circuit & 220 KV Mopka-Siltara Circuit on multicircuit tower at proposed 220/132 KV S/s at Dherdehi (Bilaspur)	128	July 18	Jun 19	WIP
6	Second circuit of 220kv Bemetara-Mungeli	39.58	Jul 19		WIP
<b>Gujarat</b>					
1	400 kV D/C Vadinar-Amreli line	116.85	Aug 19		400kV Hadala-Jetpur made LILo at Amreli through Vadinar-Amreli

					line (Pkg-1) at Amreli S/s on 22.11.13 (Stop Gap).
2	400kV APL-Hadala LILO to Halvad	89.40	June 19	Dec 19	Work in Progress
3	400 kV D/C Amreli-Kasor line	164.30	June 19	Mar 20	WIP(Severe RoW Problem)
4	400kV D/C Vadavi - Halvad Line	146.4	March 19	Mar 20	WIP
5	400 kV Varsana-Halvad	143.38	June 19		
6	400 kV Wanakbori-Soja DC	121.75 8	Jun 19	Jun 19	WIP(package-I charged on 30.03.2019)
7	400 kV Soja-Zerda DC	268.92	Jun 19	Jun 19	WIP(RoW Problem)
8	400 kV Hadala-Shapar D/c	124.34	Mar 19	Mar 20	WIP
9	400 kV Bhogat- Kalawad D/C	260.57	Mar 20	Mar 20	
10	400 kV Bhachuunda- Varsana D/c	276.16	June 20	June 20	
11	LILO of both ckt. of 400kV D/C Mundra - Zerda line at 400kV Charanka S/s	25.76	Mar 19		WIP
12	400KV mundra-zerda line-I	664	MAR 20(Packa ge-3)	Mar 20	WIP(Severe RoW Problem)
13	400KV LILO wanakbori-soja line 2 at Dehgam	12.9	Jul 19		WIP
14	400KV D/C shapar-Fedra(pachchham) Line	346	Jun 21		WIP
<b>Madhya Pradesh</b>					
1	400KV DCDS Line for LILO of one circuit of Satna (PGCIL)-Bina(PGCIL) 400kV line at Sagar 400kV S/s	49.90	Sept.'19		WIP
2	400kV DCDS line from Nagda 400kV S/s to	137.3 2	June'20		WIP

	Mandsaur 400kV S/s				
3	400kV DCDS line from Ashta 400kV S/s to Ujjain 400kV S/s	179.47	Apr'20		WIP
4	400kV DCDS line from Indore (PGCIL) 765kV S/s to Ujjain 400kV S/s	90.46	Apr'20		WIP
5	400kV DCDS line from Nagda 400kV S/s to Ujjain 400kV S/s	106.86	Apr'20		WIP
<b>Maharashtra (STU)</b>					
1	400 kV Bableshwar-Kudus D/C (Quad)	150	March 19	Mar 20	Forest clearance awaited, severe ROW problem
2	New Parli(PG)-Solapur ckt-I & II	118			Commissioned on 24.04.2018
3	400 KV D/C Jejuri-Hinjewadi Line(Jejuri-Wainjhar) Package-I.	101	March 19	March 20	WIP
4	400 KV D/C Jejuri-Hinjewadi Line (Wainjhar- Hinjewadi) Package-II.	92.67	Mar 19	March 20	WIP
5	LILO on another Ckt of 400KV Bhusawal II - Aurangabad-I for Thaptitanda	177.37	Dec 19	Dec 19	WIP
6	220 kV M/C line, LILO on 220 kV Boisar (M) - Borivali express feed-II at Boisar (PG) s/s		Jun 19	Jun 19	WIP
<b>Other ISTS lines</b>					
1	LILO of one ckt of	130	May		Severe RoW problem

	Aurangabad - Padghe 765 KV D/C line at Pune		2019		
2	Jharsuguda – Raipur 765 kV D/C (hexa) line (Sterlite)	610	March 19		Ready to charge
3	765KV D/C Khandwa Pool (KTL)-Indore (PGCIL) Line(Sterlite)	180	July 19	July 19	
4	765KV D/C Khandwa Pool (KTL)-Dhule (BDTCL) Line(Sterlite)	379	July 19	July 19	
5	400KV D/C Khargone TPP Switchyard (NTPC)-Khandwa Pool (KTL) Line(Sterlite)	49	July 2019	July 2019	
6	Inter- connection with Xeldem (existing) substation through 220kV D/c line with HTLS conductor (ampacity equivalent to twin moose conductor)	29.17	Jun-20	Jun-20	Actual COD : May -21
7	LILO of one ckt. of Narendra (existing) – Narendra (New) 400kV D/c quad line at Xeldem	93.67	Apr-21	Apr-21	WIP
8	Dharamjaygarh Pool Section B – Raigarh (Tamnar) Pool 765 kV D/c line	70	Jun-20	Jun-20	Actual COD : July -21

The WR utilities may intimate the current status on above.

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## Annexure 7.3

### Status of Generating Units in WR

The status regarding Generating units, commissioned /expected to be commissioned during the current year 2018-19 is as below:

Name of the Power Projects	Unit No.	Capacity (MW)	Date of Commissioning /Schedule Date
<b>Gujarat</b>			
WTGS	8	800	March 19
<b>Chhattisgarh</b>			
NIL			
<b>Maharashtra</b>			
NIL			
<b>Madhya Pradesh</b>			
Essar Power MP Ltd(Mahan)	2	600	Synchronized on 03.08.2017
SHINGAJI	3	660	CoD on 18/11/2019
SHINGAJI	4	660	Synchronized on 27.12.2018
<b>Central sector/IPP</b>			
RKM	UNIT 4	300	Dec-18
NTPC LARA	UNIT 1	800	Mar 19
NTPC GADARWADA	UNIT 1	800	March 19
NTPC SHOLAPUR	UNIT 2	660	Mar-19
KSK	UNIT 5	600	Dec-18
Essar Mahan	Unit 2	600	CoD on 07.10.2018

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**REPORT ON MOCK DRILL FOR CRISIS  
MANAGEMENT PLAN IN POWER SECTOR**

for the quarter ending .....

1. **Name of Power Utility / Generating Station :**
2. **Date / Time of Mock-drill :**
3. **Location site of Mock-drill :**
4. **Observers :**  
(Indicate names of Team designated  
Leader / Members to handle crisis  
situation)
5. **Scenario of mock emergent situation :**
6. **Objective :**
7. **Chronological order of events logged :**

<b>Time</b>	<b>Events</b>	<b>Response Time</b>

8. **Observations on effectiveness of Mock Drill :**
9. **Recommendations / Suggestions on the observations (S. No. 8) :**

**Signature of Designated  
(Safety / Security Officer)**

**Dated.....**

**Signature of  
(Head O & M of Plant)**

**Dated.....**

### Reporting Format to the PSDF Project Monitoring Group

1. Name of the Scheme					
1.1 Name of the substation and its Location					
1.2 Executing Agency					
1.3 State/Region					
2. Date of Sanction order					
2.1 Date of Agreement of Entity with State Govt./NLDC					
2.2 Total Approved Cost of the Scheme					
2.3 Approved Grant by Monitoring Committee ( Rs. In Lakhs)					
2.4 Date of Requisition by the Entity					
	2.4.a) date and Reference of LOA				
	2.4.b) Amount of LOA				
2.5 Date of Disbursement and amount					
	2.5.1 : Ist Installment				
	2.5.2: IInd installment				
	2.5.3: IIIrd installment				
2.6 Date of Scheduled completion of Work					
2.7 Date of handing over of Site to entity (in case of turnkey projects)					

#### Report for the Month of      MM / YY

No.	Supply Description	Qty. AS PER LOA	Quantity Received during Month	CUMMULATIVE PROGRESS Till date		BALANCE	Remarks
				Sch.	Act.		
<b>1</b>	<b>item Details</b>						
1.1							
1.2							
....							
	Erection Description	works as per LOA	Progress During Month	CUMMULATIVE PROGRESS Till date		Balance	
<b>2</b>	<b>work details</b>						
2.1							
2.2							
....							
<b>3</b>	<b>Others</b>						

Signature with seal of the Nodal Officer

## Progress of Capacitor Installation for the month of-----

State	Constituent	Installed as on 01.04.2017	Installed as on 31.10.2017	Installed During the current month	Installed Capacity at the end of the month	Capacitors installed from April 17 to Current Month	Remarks
		MVAR	MVAR	MVAR	MVAR	MVAR	
<b>Gujarat</b>							
	GETCO - 11 kV & above						
	Electricity Dept. Daman						
	Torrent Power - 11 kV & above						
<b>Madhya Pradesh</b>							
	MPPTCL - All voltage levels						
	MP Discom Poorva 11-33 kV						
	MP Discom Madhya 11-33 kV						
	MP Discom Paschim 11-33 kV						
<b>Maharastra</b>							
	MSETCL - 132 kV & above						
	Mah Discom(1) -11 - 33 kV						
	TATA Power - 11 kV and above						
	RIL - 11 kV and above						
	BEST - 11 kV - 33 kV						
<b>Chattisgarh</b>							
	CSPTCL- 132 kV and above						
	CS Discoms(1) - 11-33 kV						
<b>Goa</b>	GED - 11kV and above						
<b>WR</b>	WR-11 kV and above						



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
तापीय परियोजना नवीनीकरण एवं आधुनिकीकरण प्रभाग  
Thermal Project Renovation & Modernization Division

सं.: CEA-TH-14-21/2019/292-311

दिनांक: 27.03.2019

**Subject: Flexibilisation of Thermal Power Plants – Unit identification for pilot project demonstration– reg.**

**विषय: थर्मल पावर प्लांटों के फ्लेक्सिबिलाइजेशन - यूनिट पहचान - संबंधित**

Reference is invited to CEA letter of even no. dated 6<sup>th</sup> March 2019 on the subject cited matter. The required information has not been received till date.

It is, therefore, again requested to identify one unit of 200/500 MW in the central/ state intima to this office where pilot test for flexible operation can be conducted. Please details of identified unit along with contact information of plant official(s) on urgent

*B. C. Mallick*

(B. C. Mallick) / (बी. सी. मलिक)  
CE (TPRM) / सी.ई. (टी.पी.आर.एम.)

**To:-**

1. CMD, Damodar Valley Corporation (DVC) Headquarters, DVC Tower, VIP road, Kolkatta-700054 (Fax-033-23551252)
2. Managing Director, Andhra Pradesh Power Generation Corporation Limited (APGENCO), Vidyut Soudha, Khairatabad, Hyderabad-500082 (Fax No. 040-23317663)
3. Chief Engineer (Renovation), Chhattisgarh State Power Generation Co. Ltd Shed No. 3, Dangania, Raipur (C.G.) 492013, Chhattisgarh(Fax: 077 1 -2574089)
4. Managing Director, Gujarat State Electricity Corpn. Ltd. (GSECL), Vidyut Bhavan, Race Course, Vadodara – 390007 (Fax No. 0265-2337918/2338164)
5. MD, Haryana Power Generation Corporation Ltd., Room No.411,3rd Floor, Urja Bhawan, C-7, Sector-6, Panchkula, Haryana-134109 (Fax No. 0172-5022432)

SE (dpm) / SE (Gen) /  
Pl. disum.

5/4/2019

प. क. वि. स. मुंबई / WRPC

आवक संख्या / Inward No. 170

दिनांक / Date: 08/04/19

6. CMD, Karnataka Power Corporation Ltd. (KPCL), Shakti Bhawan, Race Course Road, Bangalore-560001
7. CMD, MP Power Generating Co. Ltd, Shakti Bhawan, Vidyut Nagar, Rampur, Jabalpur-482009 (Fax: 0761-2665661)
8. CMD, Maharashtra State Power Generation Co. Ltd. PRAKASHGAD, Plot No. G-9, Bandra (East) Mumbai-400 051. (FAX : 022-26476749/26581400)
9. The Chairman & Managing Director, PSPCL, The Mall, Patiala-147001 (FAX – 0175-2213199)
10. Director (Technical), Rajasthan Rajya Vidyut Utpadan Nigam Limited, Vidyut Bhawan , Jyoti Nagar, Janpath , Jaipur -302005 (Fax No. 0141 - 2740633)
11. CMD, TANGEDCO, NPKRR Maaligai, 144, Anna Salai, Chennai-60002 (Fax: 044-28521300)
12. CMD, TSGENCO. Vidyut Saudha, Khaitrabad, Hyderabad-500082 (Fax-040-23499361)
13. Managing Director, UP Rajya Vidyut Utpadan Nigam, Shakti Bhawan, Ashok Marg, Lucknow. (Fax No. 0522-2237922 )
14. CMD, West Bengal Power Development Corporation Ltd., Bidyut Unnayan Bhaban, Plot No.3/C, Block LA, Sector-III, Bidhannagar, Kolkatta-700098 Fax: 033-23350523/23350516
15. Member Secretary (NRPC / WRPC / SRPC / ERPC)

**Copy to:-**

- Member (Thermal), CEA
- JS (Thermal), MoP



भारत सरकार  
 Government of India  
 विद्युत मंत्रालय  
 Ministry of Power  
 केन्द्रीय विद्युत प्राधिकरण  
 Central Electricity Authority  
 तापीय परियोजना नवीनीकरण एवं आधुनिकीकरण प्रभाग  
 Thermal Project Renovation & Modernization Division

No. CEA-TH./14-20/2019/253-261

Dated 26.03.2019

**Sub: Implementation of Environmental Norms in Thermal Power Plants**

During the review meeting taken up by the JS (Thermal) on 20/03/2019 at MOP, the immediate need for the action plan for compliance of environmental norms for the balance thermal capacity which is presently not being monitored was discussed.

The total installed capacity of thermal power plant based on coal and lignite is 197,352MW. The power generation capacity presently monitored for the installation of FGD is 166,972MW. The balance capacity which needs to be monitored is 30,380MW.

The above mentioned balance capacity could not be monitored due to various reasons, such as the generators using CFBC technology, FGD already installed, units to be decommissioned, plan not available, etc. The detailed breakup of the capacities remaining unmonitored along with the action required by the concerned authorities are listed below:

S. No.	Category	Capacity (MW)	Units (Nos.)	Action
1.	Units having CFBC Boiler	5,824	50	CPCB/NLC. To verify/ provide certificate for compliance of the emission norms.
2.	Claim to be SOx Compliant	6,435	27	CPCB/Owners. To verify/ provide certificate for compliance of the emission norms.
3.	FGD already installed	6,130	15	CPCB/ TPE&CC. To verify compliance of emission norms.
4.	FGD plan not submitted	5,619	39	RPC to follow up with the plant owners.
5.	Identified for retirement	2,942	29	TPP&D details of retirement to be furnished.
6.	Newly commissioned	2,060	3	RPC/ Owners. Phasing plan to be furnished.
7.	Not in operation	135	2	RPC/Owners. Details to be furnished.
8.	Status not available	1,235	3	RPC/Owners. Details to be furnished.

The detailed breakup of the above capacities along with the plant locations are enclosed at the Annexure I.

SBC/OPD  
 For n.a.k.

5/4/2019

EECCPN

प. क्ष. वि. स. मुंई /WRPC  
 आवक संख्या /Inward No. 483  
 दिनांक /Date: 08/04/19

It is requested that the concerned Divisions/Organization as identified above should furnish the detailed status and the compliance of the norms wherever applicable to us on urgent basis.

Regards.

(Rajeev Kumar) (राजीव कुमार)  
Director (TPRM) निदेशक (टीपीआरएम)

**To -**

1. CEA – CE (TPE&CC), CE (TPP&D)
2. Member Secretary- WPRC, NRPC, SRPC, ERPC
3. CMD, NLC India Ltd., First Floor, No.8, Mayor Sathyamurthy Road, FSD, Egmore Complex of Food Corporation of India, Chetpet, Chennai-600031, email: cmd@nlcindia.com
4. Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032

**Copy for information:**

1. JS (Thermal), MOP
2. Member (Thermal), CEA

**Encls:** as mentioned above - Annexure I

## 1. Units having CFBC Boiler

S.no.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	NR	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM	RRVUNL	Gidentified for retirement	Lignite	1	125
2	NR	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM	RRVUNL	Gidentified for retirement	Lignite	2	125
3	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	1	135
4	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	2	135
5	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	3	135
6	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	4	135
7	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	5	135
8	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	6	135
9	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	8	135
10	NR	Rajasthan	Private Sector	RAJ WEST POWER LTD. (JSW)	RWPL (JSW)	JALIPA KAPURDI TPP	Lignite	7	135
11	NR	Rajasthan	Central Sector	NEYVELI LIGNITE CORPORATION LIMITED	NLC	BARSINGAR LIGNITE	Lignite	1	125
12	NR	Rajasthan	Central Sector	NEYVELI LIGNITE CORPORATION LIMITED	NLC	BARSINGAR LIGNITE	Lignite	2	125
13	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	BARKHERA TPS	Coal	1	45
14	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	BARKHERA TPS	Coal	2	45
15	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	KHAMBARKHERA TPS	Coal	1	45
16	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	KHAMBARKHERA TPS	Coal	2	45
17	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	KUNDARKI TPS	Coal	1	45
18	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	KUNDARKI TPS	Coal	2	45
19	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	MAQSODPUR TPS	Coal	1	45
20	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	MAQSODPUR TPS	Coal	2	45
21	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	UTRAULA TPS	Coal	1	45
22	NR	Uttar Pradesh	Private Sector	BAJAJ ENERGY PVT. LTD.	BEPL	UTRAULA TPS	Coal	2	45
23	SR	Andhra Pradesh	Private Sector	SIMHAPURI ENERGY PVT. LTD.	SEPL	SIMHAPURI TPS	Coal	1	150
24	SR	Andhra Pradesh	Private Sector	SIMHAPURI ENERGY PVT. LTD.	SEPL	SIMHAPURI TPS	Coal	2	150
25	SR	Andhra Pradesh	Private Sector	SIMHAPURI ENERGY PVT. LTD.	SEPL	SIMHAPURI TPS	Coal	3	150
26	SR	Andhra Pradesh	Private Sector	SIMHAPURI ENERGY PVT. LTD.	SEPL	SIMHAPURI TPS	Coal	4	150
27	SR	Andhra Pradesh	Private Sector	MEENAKSHI ENERGY LTD.	MEL	THAMMINAPATNAM TPS	Coal	1	150
28	SR	Andhra Pradesh	Private Sector	MEENAKSHI ENERGY LTD.	MEL	THAMMINAPATNAM TPS	Coal	2	150
29	SR	Tamil Nadu	Private Sector	IND BHARATH POWER INFRA LIMITED	IBPIL	Thoothukudi (P) TPP	Coal	1	150
30	SR	Tamil Nadu	Private Sector	IND BHARATH POWER INFRA LIMITED	IBPIL	Thoothukudi (P) TPP	Coal	2	150
31	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNITE	NEYVELI TPS-II EXP	Lignite	1	250
32	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNITE	NEYVELI TPS-II EXP	Lignite	2	250
33	WR	Chhattisgarh	Private Sector	ACB (INDIA) LTD.	ACB	CHAKABURA TPP	Coal	2	30
34	WR	Chhattisgarh	Private Sector	ACB (INDIA) LTD.	ACB	KASAIPALLI TPP	Coal	1	135
35	WR	Chhattisgarh	Private Sector	ACB (INDIA) LTD.	ACB	KASAIPALLI TPP	Coal	2	135
36	WR	Chhattisgarh	Private Sector	VANDANA ENERGY & STEEL PVT. LTD.	VESPL	KATGHORA TPP	Coal	1	35
37	WR	Chhattisgarh	Private Sector	SPECTRUM COAL & POWER LTD.	SCPL	RATIJA TPS	Coal	1	50
38	WR	Chhattisgarh	Private Sector	SPECTRUM COAL & POWER LTD.	SCPL	RATIJA TPS	Coal	2	50
39	WR	Chhattisgarh	Private Sector	S.V. POWER PVT. LTD.	SVPL	SVPL TPP	Coal	1	63
40	WR	Chhattisgarh	Private Sector	ACB (INDIA) LTD.	ACB	SWASTIK KORBA TPP	Coal	1	25
41	WR	Gujarat	State Sector	GUJARAT MINERAL DEVELOPMENT CORPARAT	GMDCL	AKRIMOTA LIG TPS	Lignite	1	125
42	WR	Gujarat	State Sector	GUJARAT MINERAL DEVELOPMENT CORPARAT	GMDCL	AKRIMOTA LIG TPS	Lignite	2	125
43	WR	Gujarat	State Sector	GUJARAT STATE ELECTRICITY CORPORATION LI	GSECL	KUTCH LIG. TPS	Lignite	4	75
44	WR	Gujarat	State Sector	BHAVNAGAR ENERGY COMPANY LTD	BECL	BHAVNAGAR CFBC TPP	Lignite	1	250
45	WR	Gujarat	State Sector	BHAVNAGAR ENERGY COMPANY LTD	BECL	BHAVNAGAR CFBC TPP	Lignite	2	250
46	WR	Gujarat	Private Sector	GUJARAT INDUSTRIES POWER COMPANY LIMI	GIPCL	SURAT LIG. TPS	Lignite	1	125
47	WR	Gujarat	Private Sector	GUJARAT INDUSTRIES POWER COMPANY LIMI	GIPCL	SURAT LIG. TPS	Lignite	2	125
48	WR	Gujarat	Private Sector	GUJARAT INDUSTRIES POWER COMPANY LIMI	GIPCL	SURAT LIG. TPS	Lignite	3	125
49	WR	Gujarat	Private Sector	GUJARAT INDUSTRIES POWER COMPANY LIMI	GIPCL	SURAT LIG. TPS	Lignite	4	125
50	WR	Maharashtra	Private Sector	ABHIJEET MADC NAGPUR ENERGY PVT. LTD.	AMNEPL	MIHAN TPS	Coal	1	246
									5824

## 2. Units that claim to be Sox compliant

S.No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP.	WBPDCL	BAKRESWAR TPS	Coal	1	210.00
2	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP.	WBPDCL	BAKRESWAR TPS	Coal	2	210.00
3	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP.	WBPDCL	BAKRESWAR TPS	Coal	3	210.00
4	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP.	WBPDCL	BAKRESWAR TPS	Coal	4	210.00
5	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP.	WBPDCL	BAKRESWAR TPS	Coal	5	210.00
6	SR	Karnataka	Private Sector	JSW ENERGY LTD.	JSWEL	TORANGALLU TPS(SBU-I)	Coal	1	130.00
7	SR	Karnataka	Private Sector	JSW ENERGY LTD.	JSWEL	TORANGALLU TPS(SBU-I)	Coal	2	130.00
8	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	METTUR TPS	Coal	1	210.00
9	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	METTUR TPS	Coal	2	210.00
10	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	METTUR TPS	Coal	3	210.00
11	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	METTUR TPS	Coal	4	210.00
12	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	METTUR TPS-II	Coal	1	600.00
13	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	Thoothukudi TPS	Coal	4	210.00
14	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	Thoothukudi TPS	Coal	5	210.00
15	WR	Chhattisgarh	Private Sector	TRN ENERGY PVT. LTD.	TRNE	NAWAPARA TPP	Coal	1	300.00
16	WR	Chhattisgarh	Private Sector	MARUTI CLEAN COAL & POWER LTD.	MCCPL	BANDAKHAR TPP	Coal	1	300.00
17	WR	Madhya Pradesh	Private Sector	JAI PRAKASH POWER VENTURES LIMITED	JPPVL	BINA TPS	Coal	1	250.00

## 2. Units that claim to be Sox compliant - contd.

S. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
18	WR	Madhya Pradesh	Private Sector	JAI PRAKASH POWER VENTURES LIMITED	JPPVL	BINA TPS	Coal	2	250.00
19	WR	Madhya Pradesh	Private Sector	BLA POWER PRIVATE LIMITED	BLAPPL	NIWARI TPP	Coal	1	45.00
20	WR	Maharashtra	State Sector	MAHARASHTRA STATE POWER GENERATION C	MAHAGENCO	PARAS TPS	Coal	1	250.00
21	WR	Maharashtra	State Sector	MAHARASHTRA STATE POWER GENERATION C	MAHAGENCO	PARAS TPS	Coal	2	250.00
22	WR	Maharashtra	Private Sector	RATTAN INDIA POWER LIMITED	RATTANINDIA	AMARAVATI TPS	Coal	1	270.00
23	WR	Maharashtra	Private Sector	RATTAN INDIA POWER LIMITED	RATTANINDIA	AMARAVATI TPS	Coal	2	270.00
24	WR	Maharashtra	Private Sector	RATTAN INDIA POWER LIMITED	RATTANINDIA	AMARAVATI TPS	Coal	3	270.00
25	WR	Maharashtra	Private Sector	RATTAN INDIA POWER LIMITED	RATTANINDIA	AMARAVATI TPS	Coal	4	270.00
26	WR	Maharashtra	Private Sector	RATTAN INDIA POWER LIMITED	RATTANINDIA	AMARAVATI TPS	Coal	5	270.00
27	WR	Maharashtra	Private Sector	IDEAL ENERGY PROJECTS LTD.	IEPL	BELA TPS	Coal	1	270.00
								27	6435.00

## 3. Units having FGD already installed

S. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	NER	Assam	Central Sector	NTPC LIMITED	NTPC	BONGAIGAON TPP	Coal	1	250.00
2	NER	Assam	Central Sector	NTPC LIMITED	NTPC	BONGAIGAON TPP	Coal	2	250.00
3	SR	Tamil Nadu	Private Sector	IL & FS TAMIL NADU POWER COMPANY LIMITED	ITPCL	ITPCL TPP	Coal	1	600.00
4	SR	Tamil Nadu	Private Sector	IL & FS TAMIL NADU POWER COMPANY LIMITED	ITPCL	ITPCL TPP	Coal	2	600.00
5	WR	Gujarat	Private Sector	ADANI POWER LTD.	APL	MUNDRA TPS	Coal	7	660.00
6	WR	Gujarat	Private Sector	ADANI POWER LTD.	APL	MUNDRA TPS	Coal	8	660.00
7	WR	Gujarat	Private Sector	ADANI POWER LTD.	APL	MUNDRA TPS	Coal	9	660.00
8	WR	Madhya Pradesh	Central Sector	NTPC LIMITED	NTPC	VINDHYACHAL STPS	Coal	13	500.00
9	WR	Maharashtra	Private Sector	RELIANCE INFRASTRUCTURE LTD. (DAHANU)	RIL (DAHANU)	DAHANU TPS	Coal	1	250.00
10	WR	Maharashtra	Private Sector	RELIANCE INFRASTRUCTURE LTD. (DAHANU)	RIL (DAHANU)	DAHANU TPS	Coal	2	250.00
11	WR	Maharashtra	Private Sector	JSW ENERGY LTD.	JSWEL	JSW RATNAGIdentified for	Coal	1	300.00
12	WR	Maharashtra	Private Sector	JSW ENERGY LTD.	JSWEL	JSW RATNAGIdentified for	Coal	2	300.00
13	WR	Maharashtra	Private Sector	JSW ENERGY LTD.	JSWEL	JSW RATNAGIdentified for	Coal	3	300.00
14	WR	Maharashtra	Private Sector	JSW ENERGY LTD.	JSWEL	JSW RATNAGIdentified for	Coal	4	300.00
15	WR	Maharashtra	Private Sector	TATA POWER COMPANY LTD.	TATA PCL	TROMBAY TPS	Coal	8	250.00
								15	6130.00

## 4. Units that have not submitted FGD plan

S. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	ER	Bihar	Central Sector	NTPC LIMITED	NTPC	BARAUNI TPS	Coal	6	105.00
2	ER	Bihar	Central Sector	NTPC LIMITED	NTPC	BARAUNI TPS	Coal	7	105.00
3	ER	Jharkhand	Central Sector	DAMODAR VALLEY CORPORATION	DVC	BOKARO 'B' TPS	Coal	3	210.00
4	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP. L	WBPDCL	BANDEL TPS	Coal	1	60.00
5	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP. L	WBPDCL	BANDEL TPS	Coal	2	60.00
6	ER	West Bengal	State Sector	WEST BENGAL POWER DEVELOPMENT CORP. L	WBPDCL	BANDEL TPS	Coal	5	210.00
7	ER	West Bengal	Private Sector	CALCUTTA ELECTRIC SUPPLY CO. LTD.	CESC	TITAGARH TPS	Coal	1	60.00
8	ER	West Bengal	Private Sector	CALCUTTA ELECTRIC SUPPLY CO. LTD.	CESC	TITAGARH TPS	Coal	2	60.00
9	ER	West Bengal	Private Sector	CALCUTTA ELECTRIC SUPPLY CO. LTD.	CESC	TITAGARH TPS	Coal	3	60.00
10	ER	West Bengal	Private Sector	CALCUTTA ELECTRIC SUPPLY CO. LTD.	CESC	TITAGARH TPS	Coal	4	60.00
11	ER	West Bengal	Central Sector	DAMODAR VALLEY CORPORATION	DVC	DURGAPUR TPS	Coal	4	210.00
12	NR	Haryana	State Sector	HARYANA POWER GENERATION CORPORATION	HPGCL	PANIPAT TPS	Coal	5	210.00
13	NR	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM L	RRVUNL	KOTA TPS	Coal	1	110.00
14	NR	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM L	RRVUNL	KOTA TPS	Coal	2	110.00
15	NR	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM L	RRVUNL	KOTA TPS	Coal	3	210.00
16	NR	Rajasthan	State Sector	RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM L	RRVUNL	KOTA TPS	Coal	4	210.00
17	NR	Uttar Pradesh	State Sector	UTTAR PRADESH RAJYA VIDYUT UTPADAN NIG	UPRVUNL	HARDUANGANJ TPS	Coal	7	105.00
18	NR	Uttar Pradesh	State Sector	UTTAR PRADESH RAJYA VIDYUT UTPADAN NIG	UPRVUNL	OBRA TPS	Coal	7	94.00
19	NR	Uttar Pradesh	State Sector	UTTAR PRADESH RAJYA VIDYUT UTPADAN NIG	UPRVUNL	PARICHHA TPS	Coal	1	110.00
20	NR	Uttar Pradesh	State Sector	UTTAR PRADESH RAJYA VIDYUT UTPADAN NIG	UPRVUNL	PARICHHA TPS	Coal	2	110.00
21	SR	Andhra Pradesh	State Sector	ANDHRA PRADESH POWER GENERATION CORP	APGENCO	Dr. N.TATA RAO TPS	Coal	1	210.00
22	SR	Andhra Pradesh	State Sector	ANDHRA PRADESH POWER GENERATION CORP	APGENCO	Dr. N.TATA RAO TPS	Coal	2	210.00
23	SR	Andhra Pradesh	State Sector	ANDHRA PRADESH POWER GENERATION CORP	APGENCO	Dr. N.TATA RAO TPS	Coal	3	210.00
24	SR	Andhra Pradesh	State Sector	ANDHRA PRADESH POWER GENERATION CORP	APGENCO	Dr. N.TATA RAO TPS	Coal	4	210.00
25	SR	Andhra Pradesh	State Sector	ANDHRA PRADESH POWER GENERATION CORP	APGENCO	Dr. N.TATA RAO TPS	Coal	5	210.00
26	SR	Andhra Pradesh	State Sector	ANDHRA PRADESH POWER GENERATION CORP	APGENCO	Dr. N.TATA RAO TPS	Coal	6	210.00
27	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	Thoothukudi TPS	Coal	1	210.00
28	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	Thoothukudi TPS	Coal	2	210.00
29	SR	Tamil Nadu	State Sector	TAMIL NADU GENERATION & DISTRIBUTION C	TANGEDCO	Thoothukudi TPS	Coal	3	210.00
30	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-III	Coal	1	120.00
31	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-III	Coal	2	120.00
32	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-WEST TPS	Coal	1	210.00
33	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-WEST TPS	Coal	2	210.00
34	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-WEST TPS	Coal	3	210.00

## ANNEXURE I (Sh3/3)

## 4. Units that have not submitted FGD plan - contd.

Sr. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
35	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-WEST TPS	Coal	4	210.00
36	WR	Gujarat	Private Sector	TORRENT POWER LTD	TOR. POW. (UN	SABARMATI (C STATION)	Coal	15	30.00
37	WR	Gujarat	Private Sector	TORRENT POWER LTD	TOR. POW. (UN	SABARMATI (C STATION)	Coal	15	30.00
38	WR	Maharashtra	Private Sector	GUPTA ENERGY PVT. LTD.	GEPL	GEPL TPP Ph-I	Coal	1	60.00
39	WR	Maharashtra	Private Sector	GUPTA ENERGY PVT. LTD.	GEPL	GEPL TPP Ph-I	Coal	2	60.00
								39	5619.00

## 5. Units identified for retirement

S. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	ER	Jharkhand	Central Sector	DAMODAR VALLEY CORPORATION	DVC	CHANDRAPURA(DVC) TPS	Coal	3	130.00
2	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	1	50.00
3	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	2	50.00
4	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	3	50.00
5	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	4	50.00
6	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	5	50.00
7	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	6	50.00
8	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	7	0.00
9	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	8	100.00
10	SR	Tamil Nadu	Central Sector	NEYVELI LIGNITE	NEYVELI LIGNIT	NEYVELI TPS- I	Lignite	9	100.00
11	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	1	60.00
12	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	2	60.00
13	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	3	60.00
14	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	4	60.00
15	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	5	120.00
16	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	6	120.00
17	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	7	120.00
18	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS	Coal	8	120.00
19	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS (NEW)	Coal	9	250.00
20	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS (NEW)	Coal	10	250.00
21	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	RAMAGUNDEM - B TPS	Coal	2	62.50
22	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-II	Coal	1	50.00
23	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-II	Coal	2	50.00
24	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-II	Coal	3	50.00
25	WR	Chhattisgarh	State Sector	CHHATTISGARH STATE POWER GENERATION C	CSPGCL	KORBA-II	Coal	4	50.00
26	WR	Madhya Pradesh	State Sector	M. P. POWER GENERATING CORPORATION LIM	MPPGCL	SATPURA TPS	Coal	6	200.00
27	WR	Madhya Pradesh	State Sector	M. P. POWER GENERATING CORPORATION LIM	MPPGCL	SATPURA TPS	Coal	7	210.00
28	WR	Madhya Pradesh	State Sector	M. P. POWER GENERATING CORPORATION LIM	MPPGCL	SATPURA TPS	Coal	8	210.00
29	WR	Madhya Pradesh	State Sector	M. P. POWER GENERATING CORPORATION LIM	MPPGCL	SATPURA TPS	Coal	9	210.00
								29	2942.50

## 6. Newly Commissioned

S. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	SR	Telangana	State Sector	TELANGANA STATE GENCO	TSGENCO	KOTHAGUEDEM TPS (STAGE-	Coal	12	800.00
2	WR	Madhya Pradesh	State Sector	M. P. POWER GENERATING CORPORATION LIM	MPPGCL	SHREE SINGAJI TPP	Coal	3	660.00
3	WR	Madhya Pradesh	Private Sector	ESSAR POWER MP LTD.	ESSARMPPL	MAHAN TPP	Coal	2	600.00
								3	2060.00

## 7. Units not in operation

S. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	NR	Delhi	State Sector	INDRAPRATHA POWER GENERATION COMPA	IPGCL	RAJGHAT TPS	Coal	1	67.50
2	NR	Delhi	State Sector	INDRAPRATHA POWER GENERATION COMPA	IPGCL	RAJGHAT TPS	Coal	2	67.50
								2	135.00

## 8. Units where status is not available

S. No.	Region	State	Sector	Developer	Organisation	Name of Project	Fuel Used	Unit No	Total Capacity
1	ER	Odisha	Private Sector	STERLITE ENERGY LIMITED	SEL	STERLITE TPP	Coal	1	600.00
2	WR	Chhattisgarh	Private Sector	VANDANA VIDYUT LTD.	VVL	SALORA TPP	Coal	1	135.00
3	WR	Maharashtra	Private Sector	TATA POWER COMPANY LTD.	TATA PCL	TROMBAY TPS	Coal	6	500.00
								3	1235.00



Generation Projection (July2019 - Sep 2019)																	
				Generation declared Commercial from 1st Oct'18 to 31st Mar'19					Generation declared/expected to be declared Commercial from 1st Apr'19 to 30th June'19								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
69	MP	WR	4004											4004	As data given by MP	4210	4210
70	Maharashtra	WR	14314											14314			14314
71	Chhattisgarh	WR	2691											2691	As data given by Chhattisgarh	2094	2094
72	Gujarat	WR	10722											10722	As data given by Gujarat	12000	12000
73	Goa	WR	0											0			0
74	D&D	WR	0											0			0
75	DNH	WR	0											0			0
76	Vindhyachal	WR	4515											4515	As per data given by NTPC	4440	4440
77	Ratnagiri Dabhol	WR	615											615			615
78	TAPS (1,2,3,4)	WR	980											980			980
79	Jindal	WR	670											670	As per data given by Jindal Power	635	635
80	LANCO	WR	542											542			542
81	NSPCL Bhilai	WR	477											477			477
82	Korba	WR	2487											2487	As per data given by NTPC	2431	2431
83	SIPAT	WR	2832											2832		2809	2809
84	CGPL	WR	3615											3615			3615
85	Mauda	WR	2781											2781	As per data given by NTPC	2050	2781
86	Gandhar	WR	489											489		350	489
87	Kawas	WR	429											429		250	429
88	SSP	WR	548											548			548
89	KAPS	WR	0											0			0
90	Essar Mahan	WR	759	Essar Mahan	2	600	393	393						1152			1152
91	BALCO	WR	516											516			516

## Generation Projection (July2019 - Sep 2019)

				Generation declared Commercial from 1st Oct'18 to 31st Mar'19					Generation declared/expected to be declared Commercial from 1st Apr'19 to 30th June'19								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)			(MW)
92	KSK Mahanadi	WR	1029											1029			1029
94	Sasan UMPP	WR	3782											3782			3782
95	JPL Stg-2	WR	1095											1095	As per data given by Jindal Power	1140	1140
96	DGEN	WR	0											0			0
97	DB Power Ltd.	WR	1121											1121			1121
98	Korba West	WR	0											0			0
99	Dhariwal	WR	283											283	As data given by Dhariwal	273	273
100	GMR Chhattisgarh	WR	618											618	As per email dated: 05-04-2019	1000	1000
101	JP Nigrie	WR	1255											1255			1255
102	GMR Warora	WR	516											516			516
103	ACBIL+Spectrum+MCCPL	WR	647											647			647
104	MB Power (Anuppur)	WR	1146											1146	As per data given by MB Power	900	900
105	RKM Power	WR	289	RKM Power	2	360	232	232						521			521
106	Jhabua Power	WR	535											535	As per data given by Jhabua Power	566	566
107	TRN Energy	WR	509											509	As per data given by TRN Energy	540	540
108	Sholapur STPP	WR	570	Sholapur STPP	2	660	432	432						1002	As per data given by NTPC	970	970
109	Lara STPP	WR							Lara STPP	1	800	528	528	528	As per data given by NTPC	560	560
110	SKS Power	WR		SKS Power	1	300	198	396						396			396
				SKS Power	2	300	198										
	Gadarwada	WR							Gadarwada	1	800	528	528	528	As per data given by NTPC	560	560
	<b>TOTAL</b>		<b>199085</b>					<b>1452</b>					<b>1056</b>	<b>69888</b>			<b>70852</b>

**Note:**

1. Projections are based on monthly maximum injection in the last 3 years from actual metered data.
2. Generation forecast has been done based on the following criteria
  - (i) If there is an increasing trend then last year average generation has been considered
  - (ii) Otherwise average of past three year average generation has been considered
3. In case of new generators where past data was not available following has been assumed
  - (i) 1.0 plf for hydro generators
  - (ii) 0.7 plf for thermal generators.
  - (iii) 0.3 plf for gas stations

DEMAND FORECAST USING PAST 3 YEARS DATA (July2019 - Sep 2019)														Data given by DICs	Comments
2016-17			2017-18			2018-19			1	2	3	4			
Jul-16	Aug-16	Sep-16	Jul-17	Aug-17	Sep-17	Jul-18	Aug-18	Sep-18	2015-16 Average	2016-17 Average	2017-18 Average	Projected Demand for (July2019 - Sep 2019) before normalization			
Chattisgarh	3,321	3,827	3,449	3,553	3,814	3,817	3,654	4,136	4,075	3,532	3,728	3,955	4,161	4,343	As data given by Chhattisgarh
Gujarat	12,692	12,564	14,666	11,946	14,689	15,498	14,569	16,705	16,963	13,307	14,044	16,079	17,249	16,100	As data given by Gujarat
Madhya Pradesh	6,660	6,759	7,893	7,243	8,186	8,231	7,664	8,775	8,771	7,104	7,887	8,403	9,097	10,280	As data given by MP
Maharashtra	15,997	18,644	20,232	19,290	19,951	19,428	19,327	20,757	22,349	18,291	19,556	20,811	22,073		
Daman & Diu	327	327	327	322	336	351	351	347	356	327	336	351	363		
Dadra Nagar Haveli	745	759	776	790	790	790	778	804	815	760	790	799	822		
Goa	456	491	468	558	558	508	493	535	596	472	541	541	588		
ESIL	748	763	720	693	603	617	680	684	724	692	638	696	679		

**Notes**

1. Projections are based on the past 3 years' monthly Peak Demand Met data available on the website of CEA
2. The above projections are being done for financial year 2019-2020 (Q2) i.e July 2019- Sep 2019
3. Projections are being done based on the forecast function available in MS Office Excel
4. CEA Reports can be accessed from the following links:  
[http://www.cea.nic.in/reports/monthly/powersupply/2018/psp\\_peak-07.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2018/psp_peak-07.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2018/psp\\_peak-08.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2018/psp_peak-08.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2018/psp\\_peak-09.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2018/psp_peak-09.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2017/psp\\_peak-07.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2017/psp_peak-07.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2017/psp\\_peak-08.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2017/psp_peak-08.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2017/psp\\_peak-09.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2017/psp_peak-09.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2016/psp\\_peak-07.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2016/psp_peak-07.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2016/psp\\_peak-08.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2016/psp_peak-08.pdf)  
[http://www.cea.nic.in/reports/monthly/powersupply/2016/psp\\_peak-09.pdf](http://www.cea.nic.in/reports/monthly/powersupply/2016/psp_peak-09.pdf)

# POWER SYSTEM OPERATION CORPORATION LTD.

(A Government of India Enterprise)

## National Load Despatch Center

प्रेक्षक: CGM(I/c)-NLDC

प्रेक्षय: ED-NRLDC/ERLDC/WRLDC/SRLDC  
CGM(I/c)-NERLDC

संदर्भ: POSOCO/NLDC/LVRT/2019/02/

प्रतिलिपि: Director(SO)- POSOCO

दिनांक: 28.02.2019

विषय: POSOCO Compliance\_ROP in Petition No 237/MP/2017 along with IA No 11/2018

Sir,

The Record of Proceedings(ROP) in Petition no. 237/MP/2017 along with IA no. 11/2018 enclosed at Annexe- 1 was issued by Hon'ble Commission and was posted on its website on 08<sup>th</sup> Feb 2019. As per Para (4) of the ROP, Commission has directed POSOCO to submit the States Wind Turbine Generator (WTG)-wise data containing (i) population of wind turbines as per models, make and voltage levels, and (ii) details of Low Voltage Ride Through(LVRT) enabled, LVRT design supported and LVRT to be retrofitted. As per Para (7) of ROP Hon'ble Commission directed POSOCO to coordinate with the RPCs for taking up a consolidated case for funding from PSDF/Green Fund for retrofitting WTGs with LVRT in terms of order dated 5.1.2016 in Petition No. 420/MP/2014. Further as per Para (8) of ROP the information needs to be submitted within one month from the issue of the ROP.

A format has been drafted to obtain the WTGs details in line with requirement mentioned at Para(4) of the ROP which is enclosed as Annexe-2. It is requested that the details may kindly be arranged from states to be furnished to Hon'ble Commission. A separate communication is being sent to CEA & CERC highlighting the issue of interpretation of the recent amendment dated 6-Feb-2019 in respect of Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 vis-a vis order dated 5-Jan-2016 by CERC. Further, in recent amendment, it is mentioned that the user or the requester, as the case may be, shall get its generating unit or station registered and get an online generated Unique Registration Number from the Authority. The details requested may be cross-verified from the E-Registration portal of CEA. It is suggested that SRLDC may enclose the above letters written by RLDCs to the states besides NLDC's communication to CEA/CERC and file their reply in Petition no. 237/MP/2017 by 8<sup>th</sup> March 2019.

Thanking you,

Encl: as above

  
(Debasis De)

## CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

### Petition No.237/MP/2017 Along with I.A. No. 11/2018

- Subject : Petition preferred under Section 94 (1)(f) of the Electricity Act, 2003 for seeking extension of time prescribed for implementation of the Central Electricity Regulatory Commissions Order dated 5 January, 2016 in Petition No. 420/MP/2014 in the matter of Endangering grid security due to non-implementation of contingency demand disconnection scheme for sudden loss of wind generation, non-availability of LVRT protection, non scheduling of wind generation as per CERC (Indian Electricity Grid Code) Regulations, 2010 (IEGC) 6.5.23 (i), lack of necessary demand estimation as per IEGC Regulation 5.3 and not providing real time SCADA data to LDC., and for seeking relief to specific provisions of the aforementioned Order. (Interlocutory application seeking extension of timeline for implementation of the order dated 5.1.2016 in Petition No. 420/MP/2014
- Date of hearing : 31.1.2019
- Coram : Shri P.K. Pujari, Chairperson  
Dr. M.K. Iyer, Member  
Shri I.S.Jha, Member
- Petitioner : Suzlon Energy Limited (SEL)
- Respondents : Southern Regional Load Despatch Centre and Others
- Parties present : Ms. Shikha Ohri, Advocate, SEL  
Shri Nishant Kumar, Advocate, SEL  
Shri N.K. Deo, SEL  
Shri Shatrajit Banerjee, SLDC & POSOCO  
Shri Aman Senghama, SLDC & POSOCO  
Shri G. Chakraborty, POSOCO  
Shri T. Kalanithy, SRLDC & POSOCO  
Shri Venkateshan.M, SRLDC & POSOCO

### Record of Proceedings

At the outset, learned counsel for the Petitioner submitted that the Petitioner is willing to implement the LVRT solution. However, certain clarity is required on technical aspects. Learned counsel further submitted that as per the Commission's order dated 5.1.2016 in Petition No. 420/MP/2014, Regional Power Committees made a proposal for funding from PSDF and NCEF Green fund for retrofitting wind turbines with LVRT. However, there is no development in this regard. Learned counsel for the Petitioner

submitted that the Petitioner has approached the RERC for tariff adjustment and the matter is under consideration.

2. The Representative of the POSOCO submitted that funding can be provided only to such generators who are supplying power to the distribution companies. The representative of POSOCO submitted that in terms of the order dated 5.1.2016 in Petition No. 420/MP/2014, RPCs are required to make proposal for arrangement of funding for PSDF/NCEF/Green Fund for retrofitting of WTGS with LVRT.

3. After hearing the learned counsel for the Petitioner and the Representatives of the Respondents, the Commission directed the Petitioner to approach all the State Commissions for tariff adjustment proposal.

4. The Commission further directed the POSOCO to submit the States WTG-wise data containing (i) population of wind turbines as per models, make and voltage levels, and (ii) details of LVRT enabled, LVRT design supported and fitted to be enabled, LVRT design supported but to be fitted and LVRT to be retrofitted.

5. The Commission directed the CEA to submit the study regarding technical feasibility of installation of LVRT in WTG in terms of the order dated 5.1.2016 in Petition No.420/MP/2014.

6. The Commission observed that the Wind Power Developers should approach the concerned SERCs for allowing the cost of retrofitting, WTGs-wise LVRT in terms of the applicable regulations of the SERCs and the PPAs.

7. The Commission directed POSOCO to coordinate with the RPCs for taking up a consolidated case for funding from PSDF/Green Fund for retrofitting WTGs with LVRT in terms of order dated 5.1.2016 in Petition No. 420/MP/2014.

8. The Commission directed the parties to file the above information within one month from the issue of the ROP.

9. The Commission directed that the interim direction dated 10.4.2018 shall be continued till the disposal of the Petition.

10. Subject to the above, the Commission reserved order in the Petition.

**By order of the Commission**

**Sd/-  
(T. Rout)  
Chief (Law)**

