



भारत सरकार  
Government of India  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
पश्चिम क्षेत्रीय विद्युत समिति

Western Regional Power Committee

एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093

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सेवा में,

सूची के अनुसार

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 478 वीं बैठक की कार्य सूची।

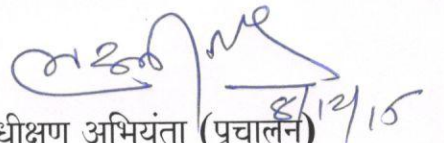
महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 15.12.2015 को TAPS-3&4 में होने वाली 478 वीं बैठक की कार्यसूची आपकी सूचनार्थ व आगे की कार्यवाही के लिए प्रस्तुत है।

धन्यवाद।

भवदीय,

संलग्न : उपरोक्तानुसार

  
अधीक्षण अभियंता (प्रचालन) 8/12/15  
for

**AGENDA NOTES FOR 478<sup>th</sup> MEETING OF OPERATION & COORDINATION  
SUB-COMMITTEE OF WRPC  
TO BE HELD ON 15<sup>th</sup> DECEMBER 2015 AT TAPAS-3&4, TARAPUR**

**ITEM No. 1: CONFIRMATION OF THE MINUTES**

Minutes of 477<sup>th</sup> meeting of Operation & Coordination Sub-Committee of WRPC held on 9<sup>th</sup> November 2015 at NTPC, Sipat were forwarded vide letter No. WRPC/OPN/OCC-Minutes/2015-16/9583 dated 17.11.2015.

**No comment has been received. Sub-Committee may confirm the same.**

**ITEM NO.2: REVIEW OF SYSTEM OPERATION DURING THE MONTH OF NOVEMBER 2015.**

**2.1 Frequency Particulars**

The average frequency during the month of November, 2015 was 49.99 Hz. The maximum instantaneous frequency was 50.28 Hz at 13:02 hrs on 13<sup>th</sup> November-15 while minimum instantaneous frequency was 49.64 Hz at 07:52 hrs on 21<sup>st</sup> November -15. The frequency profile during November, 2015 was as under:

<b>01<sup>st</sup> November 2015 to 30<sup>th</sup> November 2015</b>	<b>% time</b>
IEGC band (49.9 < f < 50.05 Hz)	67.06
< 49.9 Hz	11.48
> 50.05 Hz	21.46

The frequency particulars is enclosed at Annex-2.1

**The Sub-Committee may like to note.**

**2.2 INTER-REGIONAL EXCHANGES**

There was a net inter-regional export of 4734.00 MUs by WR against net export schedule of 4254.00 MUs.

**The Sub-Committee may like to discuss.**

**2.3 Voltage Profile**

Voltage profile at some of 765/400 kV sub-stations during the month of November 2015 furnished by WRLDC is enclosed at Annex-2.3.

**The Sub-Committee may like to discuss.**

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

As per WRLDC records during November 2015 the system frequency didn't touch 49.2 Hz and no UFR operation has been reported by WRLDC.

**The Sub-Committee may kindly note.**

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

Details of Power Cuts and Regulatory measures during November 2015 as furnished by the state utilities are given in Annex. 2.5.

**The Sub-Committee may note.**

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

Details of generating units under forced outages during November 2015 are given in Annex-2.6.

**The Sub-Committee may discuss.**

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

The details of generating units under Planned Outages during November 2015 are given in Annex-2.7

**The Sub-Committee may discuss.**

## **ITEM NO.3: OPERATIONAL PLANNING**

### **3.1 Proposed Planned maintenance programme of generating units.**

The maintenance programme of generating units for the months December 2015 & January 2016 is given in Annex 3.1.

**The Sub-Committee may discuss and finalize the outage schedule of generating units for the above period.**

### **3.2 OUTAGE PROGRAMME OF TRANSMISSION LINES/ELEMENTS**

Maintenance programme for transmission lines during the months December 2015 & January 2016 is given in Annex 3.2.

**The Sub-Committee may discuss and finalize the maintenance programme proposed above.**

### **3.3 ANTICIPATED POWER SUPPLY POSITION FOR THE MONTHS – DECEMBER 2015 & JANUARY – 2016**

Details of anticipated restricted & un-restricted demands for the months of December 2015 & January 2016 are given in Annex 3.3.

Constituents may furnish the anticipated station wise Availability & Energy for the months of December 2015 & January 2016.

#### **ITEM NO. 4: OPERATIONAL STATISTICS FOR THE MONTH OF NOVEMBER 2015**

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

Annex 4.1 - Actual Generation and Requirement for November 2015.

Annex 4.2 - Peak Demand: Schedule Vs Actual for November 2015.

Annex 4.3 - Integrated Operation of the System and Operation of Inter State Tie lines for November 2015.

Annex 4.7 – Details of level of Major Reservoirs in Western Region for November 2015.

**The Sub-Committee may like to note.**

#### **ITEM NO. 5: SYSTEM DISTURBANCES IN WESTERN REGION**

There was no major grid disturbance in the Western Region during the month of November 2015. However the details of minor incidences during the month received from WRLDC are enclosed at **Annexure-5**.

**The Sub-Committee may like to note/discuss.**

#### **ITEM NO. 6: Healthiness status of SERs/DRs of equipment in the system.**

Constituents have furnished the status of healthiness of SER/DRs in their systems on the dates below:

<b>SI No.</b>	<b>Name of constituents</b>	<b>Date of Receipt</b>
1	PGCIL,WRTS-I	04.12.2015
2	PGCIL,WRTS-II	04.11.2015
3	MPPTCL	09.11.2015
4	NTPC	02.12.2015
5	CSPTCL	03.12.2015
6	GETCO	04.12.2015
7	MSETCL	04.12.2015

**The sub-Committee may like to note.**

**ITEM NO. 7: STATUS OF COMPLETION OF ONGOING SCHEMES FOR COMMISSIONING OF REACTORS, TRANSMISSION LINES AND GENERATING UNITS IN WR.**

**7.1 Status of completion of ongoing Schemes for Commissioning of reactors in 2015-16.**

As per the approval of 33<sup>rd</sup> & 36<sup>TH</sup> standing committee of WR and subsequently discussion in 28<sup>TH</sup> WRPC meeting the following reactors have to be installed at the various occasions in WR.

Accordingly the information regarding the commissioning schedule is as below:

<b>S. No.</b>	<b>400 kV Sub/stn.</b>	<b>Size (MVAR)</b>	<b>Implementing agency</b>	<b>Expected commissioning date</b>
1	Nanded	125 MVAR	MSETCL	June – 2016
2	Sholapur	125 MVAR	MSETCL	June – 2016
3	Kolhapur	125 MVAR	MSETCL	June – 2016
4	Akola	125 MVAR	MSETCL	June – 2016
*5	Nagda	125 MVAR	MPPTCL	December – 2015
6	Bhopal	80 MVAR	MPPTCL	Commissioned on 27 <sup>th</sup> August 2015
7	ISP	125 MVAR	NHDC	December 2015
8	Line reactor at Nagda-ISP line at Nagda end	50MVAR	MPPTCL	March 2016
11	Satpura	50 MVAR	MPPGCL	April-2016
12	Sasan Bus reactor	240 MVAR	RELIANCE	Commissioned on 23 <sup>rd</sup> May-2015

*\*50 MVAR existing bus reactor to be shifted to Nagda-ISP line as line reactor after commissioning of 125 MVAR reactor at Nagda.*

**Utilities are requested to ensure that reactors are installed and commissioned according to the schedule agreed as above. Utilities may give update on the status of implementation.**

## 7.2 Status of completion of 765/400 kV and above ongoing Transmission Schemes being executed/implemented by Transmission Agencies.

The updated status on various ongoing transmission schemes for the year 2015-16 as per the current information available is as follows: -

S. No.	Name of the Line	Target Completion Date	Remarks
<b>POWERGRID</b>			
1	400 kV Navsari – Kudus D/C Line	Dec -15	ROW/Forest problem
2	765 kV Gwalior - Jaipur line -I 765 kV Gwalior - Jaipur line -I I		Commissioned on 13.08.15 Commissioned on 11.08.15
3	765 kV Dharamjaygarh - Jabalpur Pooling Station D/C line		Ckt-1 Commissioned on 15.10.15 Ckt-2 Commissioned on 14.10.15
4	765 kV Wardha –Nizamabad-Hyderabad D/C	March-16	
5	765 kV Narendra-Kolhapur D/C		Charged on 16.11.2015 at 400kV.
6	400 kV Aurangabad - Boisar line D/C line	Dec -2015	
7	765 kV Aurangabad (PG) - Padghe (PG) D/C	Dec -2015	
8	800kV Champa – Kurukshetra Bipole	Dec- 2015	
9	765 kV Aurangabad- Solapur D/C line		Charged on 30.09.2015
10	LILO of both circuits of Aurangabad – Pune 400 kV D/c line at Pune 765/400 kV GIS	Dec -15	
11	400 kV Parli-Pune(Sikarapur) LILo at Sikarapur		Commissioned on 24.02.2015
12	765 kV Raipur – Champa 765 kV Raigarh - Champa		Commissioned on 28.05.2015 Commissioned on 29.05.2015
13	765 kV Indore-Vadodara		Commissioned on 05.06.2015
14	400 kV Vadodara-Asoj		Commissioned on 27.06.2015
15	400 kV Vadodara-Pirana		Commissioned on 27.06.2015
16	765kV Dharmjaigad-Rachi-II		Commissioned on 12.10.2015
17	400 KV Solapur(NTPC)-Solapur(PG) ckt-I		Commissioned on 10.07.2015
18	765 kV Aurangabad-Solapur D/C		Commissioned on 30.09.2015
19	400 KV Vindhyachal Pooling-VSTPS (NTPC)		Commissioned on 30.09.2015 19.10.2015
<b>CHHATTISHGARH</b>			
1	400 kV Korba west- Marwa		Commissioned on

	400 kV Marwa- Khedamara		28.05.2015
2	400 kV DCDS Raipur(Raita)-Jagdarpur(DCDS)	Mar- 2016	
3	220 kV DCDS lines Chhuri to Mopka (Bilaspur), (DCDS)		Commissioned on 08.11.2015
4	LILO of 220 kV Raigarh-Budipadar at 400 kV PGCIL S/s Raigarh	Dec-15	Under discussion with Orissa and ERLDC
5	LILO of 220 Korba (E)- Bishrampur line at 220 kV Churri S/s		Commissioned on 26.04.2015.
<b>GUJARAT</b>			
1	400 kV D/C Mundra-Zerda line No. 1	March -16	
2	400 kV D/C Mundra-Zerda line No. 2	Dec -2015	
3	400 kV D/C Vadinar-Amreli line	March -16	
4	400kV APL-Hadala LILO to Halvad	March -16	
5	400 kV D/C Amreli-Kasor line(Part-1)	March -16	
6	400 kV Charanka- Veloda	March -16	
7	400kV Varsana-Hadala	Dec-2015	
<b>MADHYA PRADESH</b>			
1	Satpura TPH-Ashta 400KV DCDS Line		1 <sup>st</sup> ckt commissioned on 30 <sup>th</sup> March 2015. 2 <sup>nd</sup> ckt – expected by Nov 2015.
<b>MAHARASHTRA(STU)</b>			
1	400KV D/C line from Koradi-(II) to Wardha S/S(PG) D/C	Dec – 2015	7.5 km stringing is balance
2	LILO of 400 kV Chandrapur-Parli at Nanded	Dec-15	
3	2x1500 MVA 765/400 kV, ICTs at Ektuni	Dec -15	
4	400 kV Bableshwar-Kudus D/C (Quad)	August -16	
5	765 kV Akola(II)-Ektuni -2 (charge at 400kV at Taphithanda)		Charge at 400kV at Taphithanda on 20.05.2015
6	400kV IEPL-Warora	Dec- 2015	Line completed, legal issues being resolved
<b>GUJARAT (IPTC route) by WR Transmission (Guj) Pvt. Ltd</b>			
1	400 kV Rajgarh(PG)-Karamsad (GETCO) D/C	Dec- 2015	Letter written to concerned agency
<b>STERLITE (JTCL)</b>			
1	765 kV Dhramjaygarh - Jabalpur (JTCL) D/C line ckt 3 & 4.		Ckt-I Commissioned on 12.09.15 Ckt-II Commissioned on 13.09.15
2	765 kV Jabalpur - Bina (JTCL) S/c		Charged on 30 <sup>th</sup> June 2015.
3	400 kV Sujalpur-Kota(IR by RTCL)	Dec – 2015	
<b>STERLITE (BDTCL)</b>			
1	765 kV Vadodara - Dhule (BDTCL) S/C		Charged on 12 <sup>th</sup> June 2015.

2	765 kV Bhopal- Jabalpur		Charged on 8 <sup>th</sup> June 2015.
3	765kV Bhopal - Jabalpur		Charged on 8 <sup>th</sup> June 2015.
4	400 KV Dhule (BD)-Dhule (MS)	Dec – 2015	Bay completed. SCADA Erection in progress

**The Sub-Committee may discuss and update the status.**

### **7.3 Commissioning of new Generating units in Western Region and the capacity expected to be commissioned during the year 2015-16.**

The status regarding Generating units, commissioned /expected to be commissioned during the year 2015-16 according the available information is as below:

<b>Name of the Power Projects</b>	<b>Unit No.</b>	<b>Capacity (MW)</b>	<b>Date of Commissioning /Schedule Date</b>
<b>GUJARAT</b>			
SIKKA TPS EXT	3	250	COD-17.09.2015
SIKKA TPS EXT	4	250	Dec-15, First time Synch done
<b>CHHATTISGARH</b>			
Marwa	1	500	January 2016
	2	500	March 2016
<b>MAHARASHTRA</b>			
CHANDRAPUR	8	500	Dec-15
CHANDRAPUR	9	500	Feb- 2016
KORADI	8	660	Jan-16
KORADI	9	660	Jan- 2016
KORADI	10	660	March -2016
PARLI	8	250	Jan - 2016 (Subject to availability of Water)
<b>MADHYA PRADESH</b>			
M/s Jhabua Power, Seoni	1	600	December – 2015
Moser Bear (Hindustan power)	2	600	December 2015
Essar Power MP Ltd(Mahan)	2	600	December 2015
<b>CENTRAL SECTOR/IPP</b>			
VINDYACHAL	13	500	COD on 30.10.2015
KSK	3	600	March – 2016
KSK	4	600	June – 2016
SASAN	6	600	COD on 27.03.2015
ACBIL(Maruti)	1	300	Commissioned on 17.04.2015
RKM	1	360	Commissioned on 28.10.2015, COD – 27.11.2015
RKM	2	360	March 2016



RKM	3	360	May 2016
RKM	4	360	August 2016
BALCO	1	300	COD on 11.07.2015
BALCO	3	300	COD on 28.11.2015

**The WR utilities may intimate the current status on above.**

#### **ITEM NO. 8: MISCELLANEOUS OPERATIONAL ITEMS**

##### **ITEM NO. 8.1: QUARTERLY REVIEW OF CRISIS MANAGEMENT PLAN**

All the constituents are requested to submit the CMP report for the Second quarter (July 2015 to September 2015) for the year 2015-16.

**The Sub-Committee may like to note and furnish details in respect of above.**

##### **ITEM NO. 8.2: STATUS OF PHYSICAL & CYBER SECURITY IN POWER SECTOR**

Status of physical & cyber security in Power Sector for the Second quarter (July 2015 to September 2015) have not been received from some of the constituents.

**The Sub-Committee may like to note and furnish details in respect of above.**

##### **ITEM NO. 8.3: READINESS OF SLDC AT GOA, OTHER SLDCs AND WRLDC FOR UPGRADATION OF EXISTING SCADA/EMS SYSTEM**

During 29<sup>th</sup> WRPC meeting it was decided that the status of progress of SLDC's & Back-up SLDC's of WR constituents /WRLDC would be regularly monitored in monthly OCC meeting.

WRLDC Intimated that the Project status submitted by the implementing agency and discussed during 17th PRM on 9th October at Mumbai is furnished below.

S.N.	Utility	Control Centre	Site Readiness	SAT		ICCP Communication	SAVT
				Hardware	Software		
1.	<b>WRLDC</b>	Main CC	Yes	Done	Done	Done	Complete
		Backup CC	Yes	In Progress	In Progress	Done	Not Started
2.	<b>MPPTCL</b>	SLDC Jabalpur	Yes	Done	Done	Done	Not Started
		Sub-SLDC Bhopal	Yes	Done	Not Started	Done	Not Started

		Sub-SLDC Indore	Yes	Done	Done	Done	Not Started
3.	<b>GETCO</b>	SLDC Gotri	Yes	Done	Under progress	Done	Not Started
		Sub-SLDC Jambua	Yes	Done	Done	Done	Not Started
		Sub-SLDC Jetpur	Yes	Done	Under progress	Done	Not Started
		Backup SLDC Gandhinagar	Yes	Done	Not Started	Done	Not Started
		Sub-SLDC Gandhinagar	Yes	Done	Done	Done	Not Started
4.	<b>CSPTCL</b>	SLDC Raipur	Yes	Done	Done	Done	Complete
		Backup SLDC	Yes	Not Started	Not Started	Not Started	Not Started
5.	<b>GOA</b>	Main CC	No	Not Started	Not Started	Not Started	Not Started
		Backup CC	Yes	In progress	Not Started	Done	Not Started
6.	<b>DDED</b>	Magarwada	Yes	Done	Done	Done	Not Started
7.	<b>DNHED</b>	Silvassa	Yes	Not Started	Not Started	Not Started	Not Started

Further during the meeting WRLDC informed that WRLDC portion of contract has been amended for time extension up to 31.03.2016 and requested Alstom to complete the project by schedule completion date i.e. by 31st March 2016. In a clarification for SLDCs portion of contract, POWERGRID WR-II representative has also informed that time extension up to 31.03.2016 for state portion has also been approved and necessary amendment would be issued.

The matter was discussed during 30<sup>th</sup> TCC/WRPC meeting and WRTS-II, PGCIL has been assigned to coordinate & sort-out the issues at the earliest for timeline implementation of project.

**All the constituents are requested to update the status.**

#### **ITEM NO. 8.4 ANNUAL MAINTENANCE PROGRAMME OF WR GENERATING UNITS FOR THE YEAR 2016-17 IN WESTERN REGION.**

As per the Regulation 5.7.4 of Central Electricity Regulatory Commission (Indian Electricity Grid Code)(First Amendment) Regulations, 2011(reproduced below for reference)

Quote

*“(c) RPCs Secretariat shall compile load Generation Balance Report for peak as well as off peak scenario and also prepare annual outage plan for transmission elements and major generating stations in the region. RPCs Secretariats shall then come out with the draft outage programme for the next financial year by **30<sup>th</sup> November** of each year for regional grid taking in to account the available resources in the*

*optimum manner and to maintain security standards. This will be done after carrying out necessary system studies and, if necessary, the outage programmes shall be rescheduled. Adequate balance between generation and load requirement shall be ensured while finalizing outage programme. The same shall be uploaded by the RPCs on their website.”*

*Unquote*

Accordingly a meeting was conveyed on 27.11.2015 at WRPC Mumbai & draft annual outages programme for the generating units was prepared which is enclosed at Annexure – 8.4.

**The Sub-Committee may like to note.**

**ITEM NO. 8.5 SHEDULING FOR NTPC JHANOR GPP FOR GGF GAS UTILISATION.**

GM NTPC informed that the Jhanor gas station is under close reserve due to less /no requisition from beneficiaries. This is resulting in non utilisation of GGF Gandhar gas field gas. Due to non-availability of generation schedule, the station is not able to draw any ONGC's South Gujarat gas from GAIL which can only be taken at Jhanor Gandhar GPS. The gas suppliers are compelled to flare gas due to low off take by consumers.

GAIL has stated that if this situation continues, they would be constrained to raise Take-or-Pay clause in line with the contractual obligations. The GGF is in APM category which is the cheapest gas in the country, any shortfall in its drawl may lead the Govt. to reduce allocation of the same.

The matter was discussed in 28<sup>th</sup> WRPC meeting dated 04.03 2015, the utilisation of the GGF was in principal agreed and constituents were advised to give schedule accordingly.

In view of above, it is requested that sufficient generation schedule may be given to Jhanor-Gandhar station so that the station can operate at least at its technical minimum load (149 MW) in combined cycle mode and can draw the committed gas from GAIL to avoid Take-or-Pay situation.

M/S GAIL is likely to invoke take or pay clause and such amount will have to be loaded to fuel cost to be recovered from beneficiaries.

**The Sub-Committee may like to discuss.**

**ITEM NO. 8.6 MOUDA UNIT-1 PG TEST .**

GM NTPC informed that time schedule for Mouda Unit#1 PG test was deliberated in 473<sup>rd</sup> OCCM where in constituents suggested to conduct the test in Oct/Nov 2015 accordingly PG test was rescheduled and were agreed by constituents member in 475 and in 477<sup>th</sup>OCCM.

Accordingly the programme was finalized with M/S BHEL-WR, for conducting PG test in Unit#1 in the month of October'15 and M/S BHEL has deputed their team and mobilized the special equipment etc.

Despite the agreement and constant persuasion some constitutes have not supported for providing the schedule. Therefore we had to over inject in order to complete the mandatory PG Test.

It is requested to kindly ensure the decisions taken in OCCM/WRPC forum are honored. Mandatory PG test is part of the contract and commissioning of the units.

**The Sub-Committee may like to discuss.**

**ITEM NO. 8.7 STANDING CONSENT FOR SALE OF POWER FROM VARIOUS STATIONS OF M/S NTPC LTD. UNDER URS TO THE EXTENT OF BACKING DOWN BY DISCOMS.**

GM NTPC informed that in line with in 30<sup>th</sup> WRPC at Bhubaneswar on 24.11.2015 matter of scheduling of URS Power from NTPC stations was discussed. It was agreed that all beneficiaries of NTPC stations would provide one time consent ,confirming that in case they leave their share un-requisitioned ,the same may be scheduled to any other consenting beneficiaries. However ,in case the original beneficiaries wish to recall the URS ,the same will be done as per IEGS provision.

This new methodology will significantly reduce the time loss in scheduling of URS power and will help timely use of URS power. The request consent letters with format has been sent to beneficiaries.

**The Sub-Committee may like to discuss.**

**ITEM NO. 8.8 RATIFICATION OF DEMAND AND GENERATION PROJECTIONS FOR POC APPLICATION FOR Q-4(JANUARY 2016- MARCH – 2016)**

In the 3rd Validation Committee meeting for PoC application period Oct'15-Dec'15, held on 30th September 2015, at NLDC conference Hall, CERC had proposed a

methodology for ratification of projected data at RPC form. In line with the decision in the Validation Committee meeting, Demand and Generation projections w.r.t Western Region constituents is attached at **Annexure – 8.8** for ratification at RPC form.

**The Sub-Committee may like to discuss & validate the demand & projections data.**

#### **ITEM NO. 8.9 INSTALLATION OF SPS IN 400/220KV, 315 MVA ICT 1&2 AT**

##### **765/400KV SATNA SS:**

DGM, PGCIL Vadodara informed that in 476<sup>th</sup> OCC meeting, Sub-Committee requested SLDC, MP to furnish the details of SPS installed with its settings to WRPC, WRLDC & POWERGRID for review. However, till date SLDC, MP has not submitted the details.

**It is requested that SLDC, MPPTCL may furnish SPS details installed in 220/132kV system to control overloading of ICTs at Satna.**

### **ITEM NO. 9: WRLDC ITEMS**

#### **1. FREQUENT TRIPPING OF 765 KV WARDHA-AURANGABAD CKTS**

There have been 23 events of tripping of one or the other circuit of 765 kV Wardha-Aurangabad. All except 2 cases, the tripping have been reportedly on Over voltage. Details are tabulated below:

S No	Name	From Date	From Time	To date	To Time	Reason
1	765kV Wardha-Aurangabad-1	01-11-15	18:00	02-11-15	06:30	Tripped on Over-Voltage
2	765kV Wardha-Aurangabad-1	08-11-15	21:55	09-11-15	08:44	Tripped on Over-Voltage
3	765kV Wardha-Aurangabad-1	09-11-15	20:43	10-11-15	07:28	Tripped on Over-Voltage
4	765kV Wardha-Aurangabad-1	10-11-15	19:22	13-11-15	08:37	Tripped on Over-Voltage
5	765kV Wardha-Aurangabad-4	11-11-15	21:13	11-11-15	22:30	Tripped on Over-Voltage
6	765kV Wardha-Aurangabad-2	14-11-15	22:13	14-11-15	23:06	Tripped on Over-Voltage
7	765kV Wardha-Aurangabad-4	14-11-15	21:46	15-11-15	08:10	Tripped on High-voltage
8	765kV Wardha-Aurangabad-4	15-11-15	10:22	18-11-15	07:24	HOT SPOT IN LA
9	765kV Wardha-Aurangabad-3	16-11-15	20:54	17-11-15	06:42	Tripped on Over-Voltage

S No	Name	From Date	From Time	To date	To Time	Reason
10	765kV Wardha-Aurangabad-3	17-11-15	19:44	18-11-15	08:12	Tripped on Over Voltage
11	765kV Wardha-Aurangabad-1	18-11-15	13:07	20-11-15	10:31	Tripped on Over-Voltage
12	765kV Wardha-Aurangabad-2	18-11-15	20:53	19-11-15	07:00	Tripped on Over-Voltage
13	765kV Wardha-Aurangabad-2	19-11-15	19:58	22-11-15	08:02	Tripped on Over-voltage
14	765kV Wardha-Aurangabad-4	19-11-15	21:33	19-11-15	22:26	Tripped on Over-Voltage
15	765kV Wardha-Aurangabad-4	22-11-15	21:59	23-11-15	07:06	Tripped on Over-Voltage
16	765kV Wardha-Aurangabad-4	23-11-15	20:59	24-11-15	19:55	Tripped on Over-Voltage
17	765kV Wardha-Aurangabad-1	24-11-15	17:59	26-11-15	06:56	Tripped on High Voltage
18	765kV Wardha-Aurangabad-1	26-11-15	19:14	28-11-15	08:20	Tripped on Over-Voltage
19	765kV Wardha-Aurangabad-1	29-11-15	11:19	29-11-15	20:20	Tripped due to problem in LA of NGR of L/R at Aurangabad
20	765kV Wardha-Aurangabad-1	29-11-15	20:22	01-12-15	07:38	Reported tripping on Over Voltage: SCADA voltage at Aurangabad was 791kV
21	765kV Wardha-Aurangabad-2	03-12-15	19:59	04-12-15	07:11	Tripped on Over-Voltage
22	765kV Wardha-Aurangabad-2	04-12-15	20:02	06-12-15	09:18	Tripped on Over-Voltage
23	765kV Wardha-Aurangabad-1	05-12-15	20:50	07-12-15	08:13	Tripped on Over-Voltage

The tap position of 765/400 kV ICTs at Aurangabad was changed from 12 to 14 while the tap position of 765/400 kV ICTs at Dhule was changed from 11 to 13. This helped in reducing the number of tripping. However on 29-Nov-15 765kV Wardha-Aurangabad-I charged at Wardha end and synchronized at Aurangabad end at 20:20hrs. But the line tripped at 20:22hrs. CPCC Bhadrawati intimated that line tripped on over voltage, but it was observed that 765kV Aurangabad voltage was 791 kV and overvoltage tripping setting was at 819kV. It was requested to furnish the DR/EL and relay indication details.

The tripping could be due to following reasons:

1. Inadequacy of Shunt Reactors at Wardha and Aurangabad
2. Inadequate anchoring at 400 kV Aurangabad
3. CVT errors or Protection mis-operation

The inadequate switching reactors at 765kV Aurangabad, Wardha and Solapur was discussed in 477 OCCM. The voltages is high on these stations after commissioning of 765kV Aurangabad-Solapur-D/C in particular during evening hours and night hours. The voltages remain on higher side even after, all available reactors are taken in

service. The voltages at 765kV Aurangabad and 765kV Solapur is in the range of 770kV - 800kV and 780 kV -810kV respectively. Due to persistent high voltages one circuit of 765kV Wardha-Aurangabad Q/C has to be opened on daily basis in the evening hours and has to be restored in the morning hours.

**POWERGRID may appraise the sub-committee on the above events.**

## **2. FREQUENCY RESPONSE CHARACTERISTIC RESPONSE OF REGIONAL GENERATORS IN WESTERN REGION**

As per the decision taken in 477<sup>th</sup> OCC meeting a special meeting was held on 27-Nov 15 to discuss the above issue. It was decided that analysis of bigger size stations such as NTPC Vindhyachal, NTPC Sipat, NTPC Korba, CGPL, APL Mundra, Sasan, Tiroda and JPL (Tamnar) need to be carried out and discussed in ensuing 478<sup>th</sup> OCC meeting on 15.12.2015 at Tarapur. The formats for furnishing the data for existing status and settings of RGMO/FGMO was enclosed along with the minutes of that special meeting.

The data from the stations in the format enclosed at **Annexure – 9.2** is still awaited.

**The Sub-Committee may like to discuss & concern generators are requested to furnish the details.**

## **3. SUBMISSION OF EX-BUS DECLARED CAPABILITY AND ITS REVISION BY KAPS AND TAPS**

Indian Electricity Grid Code Part 6 mandates all the ISGS including Nuclear Power Stations and Inter State Hydro Stations to make an advance declaration of ex-power plant MW and MWh capabilities foreseen for the next day, i.e., from 0000 hrs to 2400 hrs. This day-ahead declaration must be submitted to WRLDC by 08:00 hrs every day. IEGC also mandates submission of revision in DC and Schedules during the day.

The drawal schedules of beneficiary States is based on the day-ahead Declared Capability submitted by the ISGS and the requisitions against their entitlement received from the SLDCs. All the Regional Entities have to maintain their interchange with the grid so as to ensure that their deviations remain within the band stipulated in the Deviation Settlement Mechanism Regulations of the CERC. The schedules are updated and uploaded on the website as and when revisions are submitted by the

respective Users. These schedules are referred by respective utilities for taking operation decisions in real-time. Thus, it is the collective responsibility of all ISGS, SLDCs and WRLDC for ensuring that all before the fact changes are duly incorporated in the schedules.

It is requested that Blockwise ex bus DC may please be now furnished by KAPS and TAPS so as to avoid discrepancy in drawal schedules issued to the beneficiaries particularly when the KAPS/TAPS units trip or are restored.

**NPCIL may apprise the sub-committee.**

#### **4. MOCK BLACK START EXERCISE IN WESTERN REGION**

As mandated by IEGC, the Black start capable units need to conduct mock black start exercises once in every 6 months. Western Region has 29 generating stations with black start capability. As per the information available with WRLDC only 8 Black Start stations have completed the Mock exercise in the year 2015.

<b>Sl.No</b>	<b>Generating station</b>	<b>Date of mock drill exercise completed in 1<sup>st</sup> six months</b>	<b>Date of mock drill exercise completed in 2<sup>nd</sup> six months</b>
1	Kadana, Gujarat	19 <sup>th</sup> Feb 2015	-
2	CLPIPL, Gujarat	6 <sup>th</sup> March 2015	-
3	Hasdeo Bango, Chhatisgarh	17 <sup>th</sup> May 2015	-
4	Khopoli Hydro, Maharashtra		23 <sup>rd</sup> August 2015
5	Tons		6 <sup>th</sup> Oct 2015
6	Bargi		12 <sup>th</sup> Oct 2015
7	Pench		6 <sup>th</sup> Nov 2015
8	Ghatghar Hydro Station		4 <sup>th</sup> Dec 2015

As per last OCC minutes the schedule for other mock drill stations is as follows.

<b>PROPOSED DATE FOR BLACK START MOCK DRILL OF HYDEL POWER</b>		
<b>Sl. No.</b>	<b>Name of Power Station</b>	<b>Date of Mock Drill</b>
1	Birsingpur	Governor Problem
2	Indira Sagar Project	17 <sup>th</sup> Nov 2015



3	Rajghat	Governor Problem
4	Madhikheda	Governor Problem
5	Gandhi Sagar	27th Nov 2015
6	GTPS Uran	24 <sup>rd</sup> Nov 15
7	Koyna Hydro Station	7 <sup>th</sup> Dec 2015

The statistic of Mock Black exercise since 2011 to 2015 is stated below.

State	Black start Sources (as Reported)	Black Start Capability Tested(Status)				
		2011	2012	2013	2014	2015
Madhya Pradesh	9	1	3		4	3
Maharashtra	9		3	2	3	2
Gujarat	10		2	3	2	2
Chhattisgarh	1		1		1	1
<b>Total</b>	<b>29</b>	<b>1</b>	<b>9</b>	<b>5</b>	<b>10</b>	<b>8</b>

In 477 OCCM, SLDC Gujarat had intimated that the mock drill of RBPH units was being planned in November-15 and NTPC Kawas has been exercised Black Start DG Set on 25.11.2015 & Gandhar gas unit is planned in first week of December 15. SLDC Gujarat / NCA and SLDC MP may update the status.

Other constituents/regional entities are requested to plan the Mock exercise of their black start units and submit their plan for compliance of IEGC regulation 5.8(b).

**The Sub-Committee may like to discuss.**

#### **5. UNDER VOLTAGE LOAD SHEDDING SCHEME (UVLS) IN WESTERN REGION**

WRLDC informed that the need for UVLS for system security was recognized and discussed during last several OCC meetings. In the 475<sup>th</sup> OCC meeting WRLDC had suggested that as per the CEA Planning Criteria the emergency rating for minimum voltage is 119 kV for 132 kV system; 194 kV for 220 kV system and 372 kV for 400 kV system.

In 476<sup>th</sup> OCCM CE, SLDC Maharashtra has stated that the three low voltage pockets for the implementation of UVLS Scheme are Lonikand, Bableshtar and Padgha. The matter was discussed in Standing Protection committee meeting of MSETCL and the scheme will be implemented within 2-3 months period.

**The Sub-Committee may like to discuss/update.**

## 6. CONSTRAINTS IN GRID OPERATION DUE TO NON-AVAILABILITY OF TELEMETRY FROM MSETCL / MAHAGENCO STATIONS

WRLDC informed that non-availability of telemetry from large number of EHV stations of MSETCL and Mahagenco has been flagged by WRLDC and is being deliberated in the OCC forum since December 2013 (24 Months). However the present status of telemetry in Maharashtra is tabulated below:

	Number of stations whose telemetry should be available at WRLDC	Number of stations whose telemetry is not integrated in WR-SCADA	Number of stations whose telemetry is intermittent / unreliable	% observability of stations under jurisdiction of Maharashtra STU/SLDC
				at WRLDC
	A	B	C	$(A - (B + C))/A$
Generating Stations	32	0	4	87.50%
765/400 kV Transmission Substations	17	4	4	76.47%
220 kV Transmission substations	178	12	58	67.42%
Total	227	16	66	70.93%

It may be seen that there are 16 stations like 400 kV Warora, Chandrapur2, Lonikhand and Taptithanda where the integration of database is pending, even several months after commissioning of the substations and there are nearly 66 stations where database integration is completed but telemetry from these station is highly intermittent due to continuous failure of communication link. In the absence of telemetry from these stations, severe constraints are being experienced by WRLDC control room personnel in real-time supervision and operation of the grid.

In last 476<sup>th</sup> OCC meeting MSETCL informed that data would be available through VSAT from six substations (two 400 kV and four 220 kV substations) are expected to be integrated by 30<sup>th</sup> Nov 2015. The earlier date for completion was 30<sup>th</sup> Sep 2015.

**Madhya Pradesh, Gujarat & Chhattishgarh may give their status.**

**The Sub-Committee may like to discuss.**

## **7. UPDATING REACTIVE POWER RESOURCE IN WESTERN REGION:**

The Reactive Power Resource in Western Region is being updated annually by WRLDC. The Reactive Power Resource available in WR till end of the year 2015 is due to be updated by Dec 2015. The existing document is available on WRLDC web site at the following link.

<http://www.wrldc.com/docs/Reactive%20Power%20Resource%20in%20Western%20Region%202014.pdf>

The members are requested to review and forward their suggestion to WRLDC latest by 20<sup>th</sup> Dec 2015.

**The Sub-Committee may like to note.**

## **8. UPDATING WESTERN REGION RECOVERY PROCEDURE AT THE END OF YEAR 2015:**

The Western Region Recovery Procedure is being updated annually by WRLDC. Western Region Recovery Procedure available till end of the year 2015 is due to be updated by Dec 2015. The existing document is available on WRLDC web site at the following link.

<http://www.wrldc.com/docs.aspx>

During the 476<sup>th</sup> OCC meeting the members were requested to send their suggestions.

The members are again requested to review and forward their suggestion to WRLDC latest by 20<sup>th</sup> Dec 2015.

**The Sub-Committee may like to discuss/note.**

## **ITEM NO. 10: DATE AND VENUE OF NEXT OCC MEETING**

477<sup>th</sup> OCC reviewed the meeting roaster and finalized sheet is enclosed at Annexure-10. As per roster 479<sup>th</sup> OCC meeting will be hosted by CGPL, Mundra. CGPL confirmed the date of next OCC meeting at Bhuj on 12.01.2016.

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माह नवम्बर 2015 में आवृत्ति के आंकड़ों का विवरण  
(पश्चिम क्षेत्र भार प्रेषण केन्द्र की आवृत्ति रिपोर्ट के आधार पर)  
FREQUENCY PARTICULARS DURING NOVEMBER 2015  
(AS PER FREQUENCY REPORT OF WRLDC)

1. INTEGRATED OVER AN-HOUR  
एक घंटे में समाकलित

1.1 MAXIMUM FREQUENCY अधिकतम आवृत्ति	50.15	Hz. BETWEEN 1300 Hrs & 1400 Hrs	Hrs. ON 11.11.2015
1.2 MINIMUM FREQUENCY न्यूनतम आवृत्ति	49.79	Hz. BETWEEN 0700 Hrs & 0800 Hrs	Hrs. ON 21.11.2015
1.3 AVERAGE FREQUENCY औसत आवृत्ति	49.99	Hz.	

2. INSTANTANEOUS तात्कालिक

2.1 MAXIMUM FREQUENCY अधिकतम आवृत्ति	50.28	Hz. AT 13:02:14 Hrs.	ON 13.11.2015
2.2 MINIMUM FREQUENCY न्यूनतम आवृत्ति	49.64	Hz. AT 07:51:54 hrs	Hrs. ON 21.11.2015

3. %AGE OF TIME WHEN FREQUENCY WAS आवृत्ति का समय प्रतिशत में	NOVEMBER 2015	OCTOBER 2015	SEPTEMBER 2015
3.1 BELOW 48.5 Hz. 48.5 हट्ज के नीचे	0.00	0.00	0.00
3.2 BETWEEN 48.5 Hz. AND 48.8 Hz. 48.5 हट्ज और 48.8 हट्ज के बीच	0.00	0.00	0.00
3.3 BETWEEN 48.8 Hz. AND 49.2 Hz. 48.8 हट्ज और 49.2 हट्ज के बीच	0.00	0.00	0.00
3.4 BETWEEN 49.2 Hz. AND 49.5 Hz. 49.2 हट्ज और 49.5 हट्ज के बीच	0.00	0.00	0.00
3.5 BETWEEN 49.5 Hz. AND 49.7 Hz. 49.5 हट्ज और 49.7 हट्ज के बीच	0.15	0.14	0.65
3.6 BETWEEN 49.7 Hz. AND 49.9 Hz. 49.7 हट्ज और 49.9 हट्ज के बीच	11.33	13.79	28.74
3.7 BETWEEN 49.9 Hz. AND 50.05 Hz. 49.9 हट्ज और 50.05 हट्ज के बीच	67.06	69.10	59.83
3.8 BETWEEN 50.05 Hz. AND 51.5 Hz. 50.05 हट्ज और 51.5 हट्ज के बीच	21.46	16.97	10.78
3.9 ABOVE 51.5 Hz. 51.5 हट्ज के ऊपर	0.00	0.00	0.00
4.1 NO. OF TIMES FREQUENCY TOUCHED 48.80 Hz. आवृत्ति 48.80 हट्ज को छूई	0	0	0
4.2 NO. OF TIMES FREQUENCY TOUCHED 48.60 Hz. आवृत्ति 48.60 हट्ज को छूई	0	0	0
4.3 NO. OF TIMES FREQUENCY TOUCHED 51.00 Hz. आवृत्ति 51.00 हट्ज को छूई	0	0	0

विद्युतगतिमान रूपरेखा नवम्बर 2015

Voltage Profile during the month of Nov. 2015

दिनांक	इंदौर		इटारसा		कराड		धुल		असाज		कासार		भिलाई		जतपुर	
Date	Indore		Itarsi		Karad		Dhule		Asoj		Kasor		Bhilai		Jetpur	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv
1	418	393	413	392	434	413	427	392	417	404	420	408	420	412	410	396
2	<b>420</b>	394	417	393	435	409	430	389	416	399	418	407	421	410	408	395
3	416	398	414	396	433	409	428	394	414	400	418	407	420	410	408	<b>394</b>
4	417	<b>391</b>	415	394	433	409	430	388	415	<b>395</b>	417	<b>405</b>	420	411	416	395
5	417	392	415	394	433	<b>405</b>	431	393	413	398	416	407	420	409	412	399
6	419	394	416	392	433	409	427	393	415	397	416	407	419	406	414	396
7	419	395	418	394	433	409	427	<b>385</b>	418	398	420	407	421	408	414	400
8	419	396	417	397	433	409	428	393	415	401	420	407	421	412	<b>416</b>	400
9	416	396	416	396	436	409	429	396	416	403	421	411	421	411	414	402
10	419	402	418	402	430	417	428	394	417	404	421	410	422	414	414	403
11	419	402	<b>418</b>	402	428	422	428	394	417	406	422	415	424	416	414	397
12	418	401	417	402	428	422	424	397	418	408	423	416	<b>427</b>	418	414	400
13	418	395	415	396	<b>439</b>	418	431	393	420	404	422	414	422	413	414	399
14	419	399	416	397	438	417	431	400	<b>420</b>	405	423	412	422	414	410	396
15	419	398	417	397	439	417	431	398	419	406	422	413	423	413	412	399
16	418	396	417	395	433	409	430	394	419	402	422	410	424	412	411	399
17	419	396	417	395	433	409	429	394	419	402	421	409	424	411	412	399
18	419	396	417	396	433	409	429	391	417	399	420	409	423	412	411	400
19	419	400	414	396	437	413	<b>432</b>	399	418	403	420	409	425	413	412	399
20	419	397	416	392	426	417	428	392	418	403	420	410	425	412	414	398
21	418	397	414	395	436	411	429	393	416	402	419	409	423	413	410	400
22	418	397	414	395	436	411	429	393	416	402	419	409	423	413	410	400
23	419	396	416	394	435	413	431	403	417	401	418	409	424	412	410	395
24	417	397	415	395	426	426	429	402	417	402	421	409	423	412	413	399
25	417	397	415	408	426	426	429	402	417	402	<b>424</b>	409	417	<b>401</b>	413	399
26	417	400	414	396	431	422	430	401	416	404	419	409	422	412	413	400
27	417	399	413	397	434	413	429	399	419	404	419	409	422	411	412	403
28	418	395	415	394	433	410	431	398	419	403	420	408	422	412	413	400
29	418	395	415	394	433	410	431	398	419	403	420	408	422	412	413	400
30	417	396	413	<b>392</b>	432	413	429	395	419	403	421	411	422	407	413	402
	<b>420</b>	<b>391</b>	<b>418</b>	<b>392</b>	<b>439</b>	<b>405</b>	<b>432</b>	<b>385</b>	<b>420</b>	<b>395</b>	<b>424</b>	<b>405</b>	<b>427</b>	<b>401</b>	<b>416</b>	<b>394</b>

दिनांक	बिना		ग्रताविग		नागदा		खडवा		सिपत		सिन्लि		ग्रताविग		बिना	
Date	Bina		Gwalior		Nagda		Khandwa		Sipat		seoni		Gwalior		Bina	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv	Max. Kv	Min. Kv
1	413	397	409	398	419	386	426	401	768	755	781	761	791	768	786	781
2	425	404	411	392	422	390	426	<b>395</b>	770	750	791	756	798	758	793	757
3	420	404	406	390	419	386	426	401	771	<b>750</b>	789	762	789	755	783	757
4	422	402	407	388	421	392	427	398	772	760	788	758	792	751	785	752
5	422	401	407	392	422	389	426	399	773	757	790	757	793	759	786	755
6	423	400	409	390	419	<b>386</b>	426	401	775	752	782	750	795	754	789	749
7	424	401	409	385	423	396	427	397	<b>779</b>	756	792	749	794	747	794	752
8	424	401	409	387	423	396	426	403	777	761	791	761	795	749	791	752
9	424	403	407	389	421	396	426	403	775	758	788	754	791	753	788	752
10	424	409	406	392	424	401	426	406	773	762	788	764	790	761	786	765
11	423	409	401	391	422	400	424	404	772	758	787	762	798	760	790	763
12	<b>426</b>	410	409	398	419	400	421	404	770	756	791	764	795	774	790	767
13	422	402	406	391	423	394	426	400	761	761	787	753	789	756	784	749
14	423	404	406	390	424	402	429	403	761	761	789	757	789	757	785	754
15	424	402	406	386	424	400	428	406	761	761	791	759	789	749	783	750
16	423	400	408	387	423	399	428	404	761	761	793	756	794	750	786	747
17	425	401	411	388	424	398	427	402	761	761	792	753	<b>800</b>	752	791	748
18	425	404	417	<b>385</b>	426	398	428	403	761	761	793	758	798	747	788	747
19	414	401	413	396	<b>426</b>	404	430	407	761	761	<b>794</b>	764	791	758	787	759
20	412	<b>396</b>	408	385	423	399	428	401	775	761	792	754	791	744	782	754
21	414	399	408	390	422	402	427	404	769	760	788	765	791	746	786	755
22	412	401	408	390	422	402	427	404	773	763	792	762	791	754	786	759
23	418	409	410	389	424	399	<b>432</b>	407	761	761	794	761	795	752	<b>794</b>	758
24	418	401	408	386	423	395	430	408	771	758	789	763	795	746	789	757
25	415	399	<b>434</b>	426	423	395	430	408	771	758	790	760	792	<b>742</b>	787	<b>747</b>
26	418	400	410	388	421	399	428	407	770	758	784	763	790	748	790	759
27	415	399	406	389	423	399	426	407	773	758	784	763	785	750	785	761
28	417	400	412	391	422	394	427	403	774	758	787	760	790	756	787	760
29	414	398	413	393	422	394	427	403	774	758	781	<b>743</b>	790	752	784	754
30	415	401	410	396	421	396	426	402	772	751	793	763	787	754	784	756
	<b>426</b>	<b>396</b>	<b>434</b>	<b>385</b>	<b>426</b>	<b>386</b>	<b>432</b>	<b>395</b>	<b>779</b>	<b>750</b>	<b>794</b>	<b>743</b>	<b>800</b>	<b>742</b>	<b>794</b>	<b>747</b>

## ANNEX -2.4

**Under Frequency Operation in various Constituent System of Western Region during the month NOVEMBER - 2015**  
**( Compiled from the data received from the constituents)**

Sl. No	Date	Gujarat		Chhattisgarh		Madhya Pradesh		Maharashtra	
		No. of Occasions	Max Load Relief at 49.2 Hz	No. of Occasions	Max Load Relief at 49.2 Hz	No. of Occasions	Max Load Relief at 49.2 Hz	No. of Occasions	Max Load Relief at 49.2 Hz
1	01-Nov-15	0	0	0	0	0	0	0	0
2	02-Nov-15	0	0	0	0	0	0	0	0
3	03-Nov-15	0	0	0	0	0	0	0	0
4	04-Nov-15	0	0	0	0	0	0	0	0
5	05-Nov-15	0	0	0	0	0	0	0	0
6	06-Nov-15	0	0	0	0	0	0	0	0
7	07-Nov-15	0	0	0	0	0	0	0	0
8	08-Nov-15	0	0	0	0	0	0	0	0
9	09-Nov-15	0	0	0	0	0	0	0	0
10	10-Nov-15	0	0	0	0	0	0	0	0
11	11-Nov-15	0	0	0	0	0	0	0	0
12	12-Nov-15	0	0	0	0	0	0	0	0
13	13-Nov-15	0	0	0	0	0	0	0	0
14	14-Nov-15	0	0	0	0	0	0	0	0
15	15-Nov-15	0	0	0	0	0	0	0	0
16	16-Nov-15	0	0	0	0	0	0		0
17	17-Nov-15	0	0	NIL		NIL		NIL	0
18	18-Nov-15	0	0	0	0	0	0	0	0
19	19-Nov-15	0	0	0	0	0	0	0	0
20	20-Nov-15	0	0	0	0	0	0	0	0
21	21-Nov-15	0	0	0	0	0	0	0	0
22	22-Nov-15	0	0	0	0	0	0	0	0
23	23-Nov-15	0	0	0	0	0	0	0	0
24	24-Nov-15	0	0	0	0	0	0	0	0
25	25-Nov-15	0	0	0	0	0	0	0	0
26	26-Nov-15	2	156.8	0	0	0	0	0	0
27	27-Nov-15	0	0	0	0	0	0	0	0
28	28-Nov-15	0	0	0	0	0	0	0	0
29	29-Nov-15	0	0	0	0	0	0	0	0
30	30-Nov-15	0	0	0	0	0	0	0	0
<b>Recommended Load relief at 49.2 Hz / 49.0/48.8/48.6 Hz</b>			<b>1025</b>		<b>91</b>		<b>490</b>		<b>851</b>

## ANNEXURE-2.5

### Power Cut/Restrictions in Western Region for the month of November-2015

#### क : गुजरात Gujarat

1 उद्योगों के लिये विद्युत कटौतियां

##### 1 Power Cut/ Restriction on Industries

- a) 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.  
b) All industries are required to keep their recess timings staggered.

2 कृषि व ग्रामीण क्षेत्रों को विद्युत आपूर्ति

##### 2. Power supply to Agricultural & Rural Sectors

- a) Only 08 Hrs. Power supply in staggered form in rotation of day & night is given to Ag. Single Phase supply during rest of 16 Hrs by providing LSTC.  
b) Jyotigram Yojana 24 hrs.

3 अन्य जानकारी

##### 3. Any other information: NIL.

#### 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	शून्य Nil	शून्य Nil	शून्य Nil	शून्य Nil
(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(DLF)	01.11.2015	30.11.2015	23:44	23:13	23:30
2.1 Three-Phase Supply(Irrigation)	01.11.2015	30.11.2015	10:06	09:47	09:52
2.1 Three-Phase Supply(Mixed)	01.11.2015	30.11.2015	23:38	23:04	23:20



**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	Average Supply Hours per day		
			ओसत प्रतिदिन आपूर्ति घंटे Max. (Hrs)	Min. (Hrs)	Average (Hrs)
3.1 Commissionerary H. Qtrs.	01.11.2015	30.11.2015	23:57	23:41	23:51
3.2 District Head Qtrs.	01.11.2015	30.11.2015	23:58	23:46	23:53
3.3 Tehsil Head Qtrs.	01.11.2015	30.11.2015	23:54	23:37	23:44

**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**

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)
		From	To	
(a) Power Cuts/Restriction on HT/ LT Industries	शून्य Nil	शून्य Nil	शून्य Nil	शून्य Nil
(b) Load Shedding From 01.11.15 to 30.11.15	@ 10-562 MW	00.00	24.00	@ 2.7 MUs/day
(c) Any other information 1. Weekly Off 2. Staggering of power supply Industrial Staggering LS withdrawn from 03/02/2012	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	01.11.2015	30.11.2015	10:00	08:00	09:00
2.2 Single-Phase Supply	01.11.2015	30.11.2015	18:00	18:00	18:00

**3 अन्य जानकारी Any other information:**

There is no load shedding on industrial feeders in Maharashtra

**घ : छत्तीसगढ़ Chhattisgarh:**

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 Time		प्रति दिन कुल ऊर्जा कटौती Total Energy Cut (MUs /day)
		से From	तक To	
<b>(A) Scheduled</b>				
(a) (i) Power Cuts/ Restriction on HT Industries	00.00(Av)	-	-	-
(ii) Power Cuts/Restriction on LT Industries	00.00(Av)	-	-	-
(iii) Power Cuts/Restriction on Rural	00.00 (Av)	-	-	-
(iv) Agriculture pump*	00.00 (Av)	00.00	00.00	0.00
(v)Urban/ Sub-Urban	00.00(Av)	-	-	-
(iv)Town feeders(C-1to C-6)	00.00 (Av)	-	-	-
<b>(B) Un-Scheduled</b>				
(a) Load Shedding	1.Rural 69.50 MW(Av) For 1:56 Hrs. 2.Town Feeders (C-1to C-6 & X) : 0.00(Av)	-	-	0.004
				-
	3. HT Industries 0.00 (Av) For 00:00 Hrs.			0.00
Total Energy Cut/day				0.004
( b) Any other information	1day (In a week as per consumer's option) 50MW(Av.)	-	-	0.039
1.Weekly Off/staggering of power supply				

**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	01.11.2015 to 30.11.2015, 6.00 Hrs (Power cut)				18.00
2.2 Single-Phase Supply	-	-	-	-	-
2.3 Remarks/Note/	-	-	-	-	-

**3 अन्य जानकारी / Any other information: शून्य Nil**

## पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)

पश्चिम क्षेत्रिय भार प्रेषण केन्द्र, मुम्बई

Power System Operation Corporation Ltd.

(A wholly owned subsidiary company of POWERGRID)

Western Regional Load Despatch Centre, Mumbai

## अनिवार्य युनिट आउटेज का नवम्बर 2015 का विस्तारित ब्यौरा

Details of forced unit outages during the month of Nov. 2015

अनु क्रमांक Sl.No	युनिट Unit	संघटक Constituent/IPP	Cap.M W	From दिनांक		From दिनांक		Reason
				Time	Date	Date		
1.	एस्सार ESSAR-2	GSECL	172	12:12	22-02-2013	Still out	Still out	SHORTAGE OF GAS
2.	जोटीपीएस GTPS-1	GSECL	120	5:36	22-10-2014	Still out	Still out	RSD
3.	जीटीपीएस GTPS-2	GSECL	120	20:20	22-10-2014	Still out	Still out	RSD
4.	जोटीपीएस GTPS-3	GSECL	210	19:10	27-10-2015	04:45	15-11-2015	LOW DEMAND
5.	UKAI-2	GSECL	120	15:02	10-11-2014	Still out	Still out	RSD
6.	SUGEN-2	GSECL	382	11:46	31-01-2015	Still out	Still out	RSD
7.	HAZIRA EXT-1	GSECL	351	0:37	25-03-2015	Still out	Still out	RESTORATION UNCERTAIN
8.	पिपावाव PIPAVAV 2	GSECL	350	02:50	18-07-2015	08:58	10-11-2015	GAS PURGE VALVE PROBLEM
9.	SLPP 3	GSECL	125	21:43	17-08-2015	05:34	01-12-2015	TURBINE TRIP
10.	वानकबोरो WANAKBORI 6	GSECL	210	20:15	18-09-2015	Still out	Still out	RSD
11.	एसटीपीएस STPS 1	GSECL	120	11:00	19-09-2015	Still out	Still out	RSD
12.	GPEC 3	GSECL	218	20:03	29-09-2015	Still out	Still out	RSD
13.	DGBP 1	GSECL	112	23:02	29-09-2015	Still out	Still out	RSD
14.	SUGEN 1	GSECL	382	21:23	02-10-2015	Still out	Still out	RSD
15.	वानकबोरो WANAKBORI 4	GSECL	210	21:59	28-10-2015	16:20	05-11-2015	RSD
16.	वानकबोरो WANAKBORI 5	GSECL	210	10:15	29-10-2015	Still out	Still out	RSD
17.	UKAI 3	GSECL	200	10:05	30-10-2015	06:15	14-11-2015	RSD
18.	एसटीपीएस STPS 2	GSECL	120	15:08	31-10-2015	Still out	Still out	RSD
19.	एलटीपीएस ALTPS	GSECL	125	08:54	02-11-2015	23:24	06-11-2015	BTL

	2							
20.	SLPP 2	GSECL	125	15:06	02-11-2015	03:24	06-11-2015	BTL
21.	GPEC 1	GSECL	218	10:00	06-11-2015	Still out	Still out	RSD
22.	UTRAN STG II 1	GSECL	375	19:57	07-11-2015	07:39	17-11-2015	RSD/COSTLY GENERATION
23.	वानकबोरो WANAKBORI 4	GSECL	210	22:21	07-11-2015	15:52	04-12-2015	RSD
24.	वानकबोरो WANAKBORI 7	GSECL	210	12:03	08-11-2015	Still out	Still out	RSD
25.	GPEC 2	GSECL	218	19:13	09-11-2015	05:55	23-11-2015	RSD
26.	UKAI 5	GSECL	210	18:00	10-11-2015	01:35	17-11-2015	RSD
27.	जोदोपोएस GTPS 4	GSECL	120	11:35	11-11-2015	Still out	Still out	RSD
28.	वानकबोरो WANAKBORI- 2	GSECL	210	11:39	11-11-2015	02:48	16-11-2015	RSD
29.	एसदोपोएस STPS 3	GSECL	250	14:30	11-11-2015	09:00	16-11-2015	RSD
30.	पिपावाव PIPAVAV 2	GSECL	350	19:35	11-11-2015	05:30	15-11-2015	ATTENDING COMBUSTION CONTROL MODE OPERATION PROBLEM
31.	UKAI 4	GSECL	200	19:18	19-11-2015	Still out	Still out	RSD
32.	SLPP 2	GSECL	125	10:11	18-11-2015	05:24	22-11-2015	BTL
33.	एसदोपोएस STPS 3	GSECL	250	16:09	25-11-2015	Still out	Still out	DRUM LEVEL LOW
34.	GIPCL STG 2	GSECL	165	20:00	27-11-2015	Still out	Still out	RSD
35.	UKAI 6	GSECL	500	23:30	29-11-2015	Still out	Still out	RSD
36.	एलटोपोएस ALTPS 2	GSECL	125	14:03	30-11-2015	07:37	03-12-2015	CONDENSER TUBE LEAKAGE
37.	चंद्रपुर CHANDRAPUR-1	MAHAGENCO	210	7:15	28-08-2014	Still out	Still out	BTL/ ECONOMIC SHUTDOWN.
38.	परलो PARLI 6	MAHAGENCO	250	15:07	25-06-2015	Still out	Still out	WATER SHORTAGE
39.	KORADI-6	MAHAGENCO	210	01:02	20-03-2015	Still out	Still out	ECONOMIC SHUTDOWN
40.	URAN-7	MAHAGENCO	108	00:07	17.04.2015	Still out	Still out	GAS TURBINE PROBLEM
41.	परलो PARLI-3	MAHAGENCO	210	12:52	14.06.2015	Still out	Still out	WATER SHORTAGE
42.	डबल्यूपीसीएल WPCL 2	MAHAGENCO	135	00:00	15-06-2015	Still out	Still out	LESS SCHEDULE
43.	परलो PARLI 4	MAHAGENCO	210	19:47	05-07-2015	Still out	Still out	WATER SHORTAGE
44.	परलो PARLI 5	MAHAGENCO	210	14:55:00	06-07-2015	Still out	Still out	WATER SHORTAGE.
45.	परलो PARLI 7	MAHAGENCO	250	12:07:00	08-07-2015	Still out	Still out	WATER SHORTAGE
46.	डबल्यूपीसीएल WPCL 1	MAHAGENCO	135	17:31	23-10-2015	Still out	Still out	LESS SCHEDULE
47.	URAN 8	MAHAGENCO	108	09:35	30-10-2015	13:16	04-11-2015	GAS TURBINE PROBLEM
48.	URAN B0 1	MAHAGENCO	120	09:35	30-10-2015	22:59	01-11-2015	GAS TURBINE PROBLEM

49.	BHUSAWAL 2	MAHAGENCO	210	02:34	01-11-2015	10:59	04-11-2015	ETL
50.	नासिक NASIK3	MAHAGENCO	210	01:00	02-11-2015	10:50	06-11-2015	ID FAN PROBLEM/HEAVY VIBRATION/CONDENSOR TUBE LEAKAGE
51.	JAIGAD 3	MAHAGENCO	300	10:37	02-11-2015	16:00	05-11-2015	CONDENSOR TUBE CLEANING
52.	KORADI 7	MAHAGENCO	210	16:53	02-11-2015	17:21	06-11-2015	BTL
53.	VIPL 1	MAHAGENCO	300	02:30	03-11-2015	23:38	06-11-2015	BTL
54.	BHUSAWAL 3	MAHAGENCO	210	21:23	03-11-2015	00:56	08-11-2015	BTL
55.	चंद्रपुर CHANDRAPUR 3	MAHAGENCO	210	21:32	03-11-2015	10:55	06-11-2015	ID FAN PROBLEM
56.	KORADI 5	MAHAGENCO	200	07:39	04-11-2015	23:04	17-11-2015	ID FAN PROBLEM
57.	JAIGAD 4	MAHAGENCO	300	21:58	05-11-2015	05:53	20-11-2015	TURBINE BEARING INSPECTION
58.	KHAPARKHEDA 3	MAHAGENCO	210	12:30	11-11-2015	09:58	13-11-2015	BTL
59.	URAN 5	MAHAGENCO	108	14:45	29-11-2015	21:44	01-12-2015	GAS SHORTAGE
60.	चंद्रपुर CHANDRAPUR 6	MAHAGENCO	500	20:01	30-11-2015	Still out	Still out	TURBINE BEARING VIBRATION HIGH
61.	ट्रोम्बे TROMBAY 6	TPC	500	17:08	15-07-2015	Still out	Still out	ECONOMY SHUTDOWN.
62.	अमरावती टोपीपी AMRAVATI TPP(INDIABULL)-5	RATTAN POWER INDIA LTD	270	14:22	03-04-2015	10:41	09.11.2015	TURBINE SHAFT VIBRATIONS
63.	अमरावती टोपीपी AMRAVATI TPP(INDIABULL)-5	RATTAN POWER INDIA LTD	270	10:19	10-11-2015	10:56	13-11-2015	COOLING WATER LINE LEAKAGE
64.	अमरावती टोपीपी AMRAVATI TPP(INDIABULL)-4	RATTAN POWER INDIA LTD	270	11:48	18-11-2015	Still out	Still out	PA FAN PROBLEM
65.	तराडा APL TIRODA 4	ADANI POWER, TIRODA	330	15:51	07-11-2015	07:16	22-11-2015	HOT PA OUTLET BELLOW LEAKAGE
66.	APL MUNDRA 3	ADANI POWER	330	15:58	11-11-2015	04:28	14-11-2015	RSD
67.	अमरावती टोपीपी AMRAVATI TPP(INDIABULL)-5	RATTAN POWER INDIA LTD	270	11:44	23-11-2015	15:37	26-11-2015	TURBINE VIBRATION HIGH
68.	MCCPL 1	ACBIL	300	16:44	28-10-2015	Still out	Still out	PROBLEM IN BOTTOM ASH SYSTEM
69.	ACBIL 2	ACBIL	135	06:14	19-11-2015	18:08	20-11-2015	BTL
70.	एस्सार ESSAR MAHAN-1	ESSAR POWER	660	17:16	17.10.14	Still out	Still out	LESS SCHEDULE
71.	एस्सार ESSAR IPP 1	ESSAR POWER	170	12:30	11-08-2015	Still out	Still out	SPARKING ON GT
72.	EPGL 1	ESSAR POWER	600	09:30	11-11-2015	14:46	28-11-2015	RSD
73.	RGPPL-1B	RGPPL	320	23:00	31-03-2014	Still out	Still out	DRY PRESERVATION
74.	RGPPL-1A	RGPPL	320	13:30	8-07-2014	Still out	Still out	LESS REQUISITION

75.	RGPPL-2A	RGPPL	332	12:00	21-07-2014	Still out	Still out	CW PUMP PROBLEM
76.	RGPPL-2B	RGPPL	332	13:30	1-09-2014	10:13	09-11-2015	DRY PRESERVATION
77.	RGPPL-3A	RGPPL	332	19:50	01-06-2015	Still out	Still out	NO SCHEDULE
78.	RGPPL 3B	RGPPL	332	15:51	27-10-2015	08:47	26-11-2015	TRAIL TESTING WORK COMPLETED.
79.	RGPPL 2B	RGPPL	332	16:05	09-11-2015	Still out	Still out	TESTING COMPLETED/NO SCHEDULE
80.	AMARKANTAK-4	MPGCL	120	11:13	30-04-2014	Still out	Still out	TURBINE VIBRATION
81.	AMARKANTAK-3	MPGCL	120	0:25	12-01-2015	Still out	Still out	FIRE CAUGHT IN TURBINE FLOOR
82.	SATPURA-III-9	MPGCL	210	13:30	23.05.2015	09:10	30.11.2015	FIRE IN GT
83.	SATPURA IV 11	MPGCL	250	01:20	25-07-2015	Still out	Still out	FIRE IN GT
84.	सिंगाजी SINGAJI 1	MPGCL	600	12:29	27-10-2015	01:25	09-11-2015	STATOR WINDING TEMP HIGH/WATER FLOW LOW
85.	जेपी बिना JP BINA 1	MPGCL	250	00:05	29-10-2015	00:49	17-11-2015	RSD
86.	सिंगाजी SINGAJI 2	MPGCL	600	10:04	29-10-2015	Still out	Still out	RSD
87.	SATPURA II 7	MPGCL	210	00:05	30-10-2015	07:20	04-11-2015	RSD
88.	जेपीबिना JP BINA 2	MPGCL	250	00:34	30-10-2015	00:49	17-11-2015	RSD
89.	सिंगाजी SINGAJI 1	MPGCL	600	14:39	17-11-2015	15:35	26-11-2015	RSD
90.	SATPURA III 8	MPGCL	210	12:40	30-11-2015	Still out	Still out	TURBINE VIBRATION HIGH
91.	SINGAJI 1	MPGCL	600	20:11	30-11-2015	Still out	Still out	BTL
92.	CGPL 4	CGPL	830	00:02	06-11-2015	23:06	14-11-2015	FOR ATTENDING BOTTOM ASH HOPPER DEFECTS & COAL BURNER INSPECTION
93.	DGEN-51-1	TPGL	400	21:42	23-10-2015	05:54	16-11-2015	LESS SCHEDULE
94.	DGEN-52-2	TPGL	400	21:43	10-11-2015	Still out	Still out	LOW SCHEDULE
95.	VANDANA -1	VANDANA	135	15:00	9-01-2015	Still out	Still out	BTL
96.	रीवाल DHARIWAL-1	DHARIWAL	300	02:27	28.05.2015	Still out	Still out	HIGH VIBRATION PROBLEM
97.	धारीवाल DHARIWAL CTU 2	DHARIWAL	300	00:45	02-11-2015	Still out	Still out	NO SCHEDULE
98.	LANCO-2	LANCO	300	12:20	21-08-2013	17:30	05-12-2015	COAL SHORTAGE
99.	JPL Stg-II 2	JPL	600	17:16	05-10-2015	03:12	07-12-215	GENERATOR PROTECTION OPERATED

100.	JPL Stg-II 3	JPL	600	00:42	11-10-2015	Still out	Still out	LOW SCHEDULE
101.	JPL STG-I 2	JPL	250	00:09	22-10-2015	06:57	27-11-2015	LOW SCHEDULE
102.	JPL STG-I-1	JPL	250	11:00	27-11-2015	Still out	Still out	LOW SCHEDULE
103.	छत्तीसगढ़ GMR- CHHATISGARH 1	GMR_EMCO	685	20:54	07-11-2015	23:41	06-12-2015	MS TEMP LOW
104.	केडबल्यूपीसीएल KWPCCL 1	KWPCCL	600	00:04	01-11-2015	23:45	17-11-2015	ASH EVACUATION PROBLEM
105.	KSK 1	KSK	600	16:02	09-11-2015	09:26	13-11-2015	TURBINE SIDE PROBLEM
106.	कॅप्स KAPS 2	NPCIL	220	14:09	01-07-2015	Still out	Still out	FEED WATER SIDE PROBLEM
107.	टॅप्स TAPS 2	NPCIL	160	12:55	10-09-2015	Still out	Still out	REFUELLING OUTAGE
108.	KAWAS 2	NTPC	164	17:23	21-10-2015	Still out	Still out	LESS SCHEDULE
109.	GANDHAR GT ST 2	NTPC	219	17:30	21-10-2015	05:07	23-11-2015	RSD
110.	MOUDA 1	NTPC	500	02:36	23-10-2015	07:27	16-11-2015	RSD
111.	KAWAS 2B	NTPC	164	13:34	26-10-2015	Still out	Still out	LOW SCHEDULE
112.	एसटोपीएस VSTPS 2	NTPC	210	14:22	29-10-2015	04:40	04-11-2015	LESS SCHEDULE/RSD
113.	GANDHAR GT ST 1	NTPC	219	14:54	29-10-2015	05:54	06-11-2015	UNIT AUXILIARY SUPPLY FAULT
114.	MOUDA 2	NTPC	500	23:54	29-10-2015	16:50	04-11-2015	LOW SCHEDULE
115.	वीएसटोपीएस VSTPS 10	NTPC	500	13:45	09-11-2015	17:55	15-11-2015	BTL
116.	MOUDA 2	NTPC	500	21:18	09-11-2015	Still out	Still out	RSD/LOW SCHEDULE
117.	KAWAS 1B	NTPC	164	22:31	09-11-2015	02:45	25-11-2015	RSD/LOW SCHEDULE
118.	GANDHAR GT ST 1	NTPC	219	22:33	09-11-2015	Still out	Still out	LOW SCHEDULE/RSD
119.	GANDHAR GT ST 3	NTPC	219	21:25	10-11-2015	Still out	Still out	LESS SCHEDULE/RSD
120.	KAWAS 1A	NTPC	164	13:30	11-11-2015	Still out	Still out	RSD/LOW SCHEDULE
121.	GANDHAR GT ST 2	NTPC	219	00:15	24-11-2015	Still out	Still out	LESS SCHEDULE
122.	KAWAS 1B	NTPC	164	00:01	29-11-2015	Still out	Still out	LESS SCHEDULE/RSD

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

# पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)

पश्चिम क्षेत्रिय भार प्रेषण केन्द्र, मुम्बई

Power System Operation Corporation Ltd.

(A wholly owned subsidiary company of POWERGRID)

Western Regional Load Despatch Centre, Mumbai

नियोजित युनिट आउटेज का नवम्बर 2015 का विस्तारित ब्यौरा

## Details of planned unit outages during the month of Nov. 2015

क्रमांक Sl.No	युनिट Unit	Constituent/IPP	क्षं Cap.MW	From		From		Reason
				दिनांक		दिनांक		
				Time	Date	Time	Date	
1.	टोरेट पावर TORRENT POWER- F	GSECL	120	00:00	11-11-2015	04:03	11-11-2015	AOH
2.	एएलटोपीएस ALTPS 2	GSECL	125	23:20	18-11-2015	13:45	29-11-2015	AOH
3.	कोरबा पश्चिम KORBA(W) -1	CSPTCL	210	04:36	13-11-2015	Still out	Still out	AOH
4.	टोरेट पावर TORRENT POWER D	GSECL	120	01:24	27-11-2015	Still out	Still out	AOH
5.	एपीएल मुद्रा APL MUNDRA 8	ADANI POWER	660	00:16	29-11-2015	Still out	Still out	AOH
6.	CGPL20	CGPL	830	00:22	08-10-2015	22:33	01-12-2015	AOH
7.	वीएसटोपीएस VSTPS 4	NTPC	210	00:21	08-10-2015	23:58	20-11-2015	AOH
8.	केएसटोपीएस KSTPS 5	NTPC	500	00:09	24-10-2015	02:17	28-11-2015	AOH
9.	वीएसटोपीएस VSTPS 12	NTPC	500	23:42	20-11-2015	Still out	Still out	AOH



**Annexure- 3.1**
**DETAILS OF MAINTENANCE PROGRAM OF GENERATING UNITS PROPOSED DURING DECEMBER 2015 AND JANUARY 2016**

S. No.	Unit	No.	Capacity	Outage as per Annual Maintenance Plan		Reason
			(MW)	From	To	
<b>1</b>	<b>GUVNL</b>					
1.1	UTPS-3	3	200	1-Jan-16	30-Mar-16	COH + ESP Refurbishment
1.2	UGPP Stage - 2	2	375	11-Jan-16	10-Feb-16	Major inspection
<b>2</b>	<b>MPPGCL</b>					
				NIL		
<b>3</b>	<b>CSPGCL</b>					
3.1	DSPM-1	1	250	12/12/2015	04/01/2016	AOH
3.2	Korba West -1	1	210	11/11/2015	06/12/2015	AOH
3.3	Korba East-4	4	50	27/11/2015	11/12/2015	AOH
3.4	Korba East-2	2	50	23/01/2016	07/02/2016	AOH
<b>4</b>	<b>MSPGCL</b>					
4.1	EMCO	2	300	10.01.16	05.02.16	AOH
4.2	DTPS-DAHANU	1	250	04.01.16	31.01.16	AOH
<b>5</b>	<b>Central Sector</b>					
5.1	VINDHYACHAL	6	500	15-Jan-16	16-Feb-16	CAP+BLR+GEN+ESP R&M DVR REPLACEMENT WITH STATIC VR

## ANNEXURE- 3.2

TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016												
SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type	
			Date	Time	Date	Time						
1	220	Kawas - Haldarwa #1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	PGCIL	WR-II	C	
2	220	Kawas-Vav#1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	PGCIL	WR-II	C	
3	220	Kawas-Dastan # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	PGCIL	WR-II	C	
4	220	Dastan-Navsari # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	GETCO	PGCIL/WR-II	C	
5	220	Vav - Navsari (GETCO)#1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	PGCIL	WR-II	C	
6	220	Jhanor - Haldarwa #1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	PGCIL	WR-II	C	
7	220	Kakrapar-Halderwa # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	PGCIL	WR-II	C	
8	400	Navsari - Boisar# 1	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R will be in N/A mode.	PGCIL	WR-II	C	
9	400	khandawa-Rajgarh # 1&2 Line	20-Dec-15	09:00	20-Dec-15	18:00	daily	For new 400KV Khandwa Indore line crossing work	PGCIL	WR-II	C	
10	400	Anuppur - Jabalpur Ckt. 1&2	20-Dec-15	7:00	20-Dec-15	19:00	Daily	For crossing work of 800 KV HVDC Champa-Kurukshetra line at location no. (100/0-101/0).	PGCIL	WR-II	C	
11	400	Itarsi - khandwa # 1 switchable Reactor at Itarsi	20-Dec-15	9:00	20-Dec-15	18:00	Daily	For CSD commissioning works at Itarsi SS	PGCIL	WR-II	C	
12	765	Sasan - Satna Ckt-I	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
13	765	Gwalior - Agra Ckt-II	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
14	765	Satna - Gwalior Ckt-I	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
15	400	Vapi - Kala Ckt-I	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
16	400	Navsari - Magarwada # I	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
17	220	Kawas - Haldarwa # I,II	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
18	220	Gandhar - Haldarwa #1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
19	220	Kawas - Dastan # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
20	220	Vav - Navsari #1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
21	220	Kawas-Vav#1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
22	400	Vindhyachal Pooling - SASAN UMPP #1	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
23	220	Chhegeon - Khandwa # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C	
24	220	Kawas-Dastan # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
25	220	Dastan-Navsari # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
26	220	Haldarwa-Kakrapar (NPC) # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
27	220	Indore - Pithampur (MPPTCL) # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C	
28	220	Indore - Barwatha (MPPTCL) # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C	

**TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016**

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
29	220	Barwatha –Chhegeon (MPPTCL) # 1,2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C
30	220	Vapi - Khadoli	20-Dec-15	7:00	21-Dec-15	18:00	Daily	Replacement of all procelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution.	PGCIL	WR-II	C
31	400/220	ICT # 3 at solapur	20-Dec-15	9:00	31-Dec-15	18:00	Cont.	Fire Fighting system Civil Works, CSD COMMISSIONING, BUS BAR STABILITY	WRTS-I	WRTS-I	C
32	400	63 MVAR B/R at Solapur	20-Dec-15	9:00	31-Dec-15	18:00	Cont.	Fire Fighting system Civil Works, CSD COMMISSIONING, BUS BAR STABILITY	WRTS-I	WRTS-I	C
33	765	Wardha - Aurangabad Ckt - II	20-Dec-15	6:00	21-Dec-15	19:00	Daily	For defect rectification work	WRTS-I	WRTS-I	C
34	400	Wardha Akola # 1	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTS-I	WRTS-I	C
35	400	Pune(GIS)-Pune # 1 & 2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRML	WRTS-I	C
36	400	Solapur-Parli # 1 & 2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRML	WRTS-I	C
37	765	Seoni-Wardha # 1	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTS-I	WRTS-I	C
38	400	Bhadrawati-Parli-1 & Bhadrawati - Dhariwal-Parli	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online OPGW work & PID Testing . A/R to be kept in Non auto mode	WRTS-I	WRTS-I	C
39	400	Solapur-Kolhapur-1&2	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRML	WRTS-I	C
40	765	Seoni-Bina	20-Dec-15	6:00	19-Jan-16	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTS-II	WRTS-I	C
41	400	Pune(GIS)-Parli # 1 & 2	20-Dec-15	8:00	20-Dec-15	18:00	Daily	Overhead crossing by LILO of 400 KV D/c Aurangabad-Pune line	WRTS-I / WRTMPL	WRTS-I	C
42	400	Bhilai -- Bhadrawati TL	20-Dec-15	9:00	20-Dec-15	17:00	Daily	AMP Work	WRTS-I	WRTS-I-C	R
43	400	Sipat-Raipur Ckt # 3	20-Dec-15	8:00	26-Dec-15	0:00	Daily	Non A/R mode of TL for Additional Earthing works	WRTS-I	WRTS-I-CG	
44	765	Kotra - Raigarh Ckt # 2 Main Bay (Bay 442) at Kotra PS	20-Dec-15	10:00	20-Dec-15	11:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
45	765	Kotra - Raigarh Ckt # 2 Tie Bay (Bay 443) at Kotra PS	20-Dec-15	11:00	20-Dec-15	12:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
46	765	AT # 4 Main Bay(Bay 418) at Kotra PS	20-Dec-15	12:00	20-Dec-15	13:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
47	765	Kotra - SKS Ckt # 1 Main Bay (Bay 416) at Kotra PS	20-Dec-15	15:00	20-Dec-15	16:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
48	765	AT # 4 Tie Bay (Bay 417) at Kotra PS	20-Dec-15	16:00	20-Dec-15	17:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
49	765	Durg-Champa Ckt # 1 & 2	20-Dec-15	8:00	19-Jan-16	18:00	Continuous	Non A/R mode of TL for Additional Earthing works	WRTS-I	WRTS-I-CG	
50	765	Durg-Kotra Ckt # 1 & 2	20-Dec-15	8:00	19-Jan-16	18:00	Continuous	Non A/R mode of TL for Additional Earthing works	WRTS-I	WRTS-I-CG	
51	400	400/220kV, 600MVA ICT -II @Kalwa	20-Dec-15	8:00	31-Dec-15	18:00	Continuous	For Replacement of Y&B ph units of 200 MVA of 600MVA ICT II	MSETCL	MSETCL	
52	400	Chakan-Talegaon	20-Dec-15	7:00	05-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	
53	400	Aurangabad - Babhaleshwar	20-Dec-15	7:00	19-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	
54	400	Kalwa-Padghe D/C	20-Dec-15	7:00	19-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	
55	400	DGEN-Navsari line 2(405 Bay)	20/12/2015	7:00	20/12/2015	18:00	Daily	Preventive maintenance of Isolator C ,LA,CT,EMVT,WT and CRP Panel	DGEN	DGEN	
56	400	Gandhar - Sugen	21-Dec-15	8:00	19-Jan-16	18:00	Daily	Online permit for replacement of defective insulator string with polymer through hot line technique. Auto reclose selection to be kept in non auto mode during the work.	PGCIL	WR-II	C
57	400	Itarsi - Jabalpur # 4	21-Dec-15	9:00	21-Dec-15	18:00	Daily	For CSD commissioning works at Itarsi SS	PGCIL	WR-II	C
58	400	ICT 1 at Navsari GIS	21-Dec-15	10:00	21-Dec-15	15:00	Daily	Scheme modification for NTAMC in Tap Changer	PGCIL	WR-II	C
59	220	Kawas-Dastan # 1&2	21-Dec-15	8:00	22-Dec-15	18:00	Daily	Shutdown for OPGW installation due missing E/W & Lagoon/River Crossing.	PGCIL	WR-II	C
60	400	Jhanor-SUZEN S/C	21-Dec-15	8:00	23-Dec-15	18:00	Daily	Online PTW for additional earthing Work. A/R will be N/A mode.	PGCIL	WR-II	C
61	765	Indore Bhoapl line	21-Dec-15	10:00	22-Dec-15	18:00	daily	For rectification of Damage line earth switch and for alignment of line isolator and earth switch and also alignmet of bay isolator at Indore.	Sterlite	WR-II	R
62	765	Vadodara- Dhule Line	21-Dec-15	10:00	21-Dec-15	18:00	Daily	Commissioning of Spare Reactor with in Dhule Line	Sterlite	WR-II	C

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
63	400	Jabalpur - Itarsi # 4	21-Dec-15	10:00	22-Dec-15	18:00	Daily	For replacement of Twin to Quard Conductor between Breaker Gantry to Line Terminal Gantry at Jabalpur SS as under Jabalpur Pooling extension work.	PGCIL	WR-II	C
64	220	BUS 2 at Boisar	21-Dec-15	9:00	21-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
65	765	765kV Jabalpur - Dharmjaygarh # 4 Line along with Line Reactor at Jabalpur Pooling Station	21-Dec-15	9:00	21-Dec-15	12:30	Daily	765kV Bus # 2 Spare Reactor Phase Swapping/Normalistation from 765kV Dharmjaygarh # 4 R Phase of Reactor Bank.	PGCIL	WR-II	C
66	400	400kV Bus Reactor # 2 at Jabalpur Pooling Station	21-Dec-15	11:00	21-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
67	400	315 MVA ICT-1 AT DEHGAM S/S	21-Dec-15	10:00	21-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
68	400	411- Sugen-ICT-2 Tie Bay at Vapi	21-Dec-15	9:00	22-Dec-15	20:00	Cont.	CB Overhauling and Bay AMP	PGCIL	WR-II	R
69	765	Vindhyachal-Sasan Feeder along with 765KV Bus-I	21-Dec-15	9:00	21-Dec-15	19:00	Daily	For fixing of spacers on trunk bus. ( Due to heavy induction Bus-I S/d is also required)	PGCIL	WR-II	C
70	765	Vindhyachal-Satna 2 Main Bay (716Bay), at Satna S/S.	21-Dec-15	9:00	21-Dec-15	13:00	Daily	For CT oil sampling at Satna S/S.	PGCIL	WR-II	R
71	400	Kolhapur-Mapusa # 1	21-Dec-15	9:00	21-Dec-15	17:00	Daily	PID kit Demo	WRTS-I	WRTS-I	R
72	400	Kolhapur-Kudgi # 1	21-Dec-15	9:00	21-Dec-15	17:00	Daily	PID kit Demo	WRTS-I / SRTS-I	WRTS-I	R
73	HVDC	HVDC Pole-1 at Bhadrawati	21-Dec-15	9:00	22-Dec-15	18:00	Daily	Yearly Amp works (Please arrange the Outages of HVDC Poles as per schedule, otherwise alarms appears more and will getting trouble day by day)	WRTS-I	WRTS-I	R
74	400	Ramagundam Bhadrawati Ckt I	21-Dec-15	9:00	21-Dec-15	18:00	Daily	A/R trial at Bhadrawati end	SRTS - I	WRTS-I	C
75	400	Bhadrawati-Parli # 1	21-Dec-15	7:00	19-Jan-16	18:00	Daily	Auto reclose in Non auto mode for 400 KV Bhadrwati-Parli # 01 for OPGW stringing works. A/R in non Auto mode for 400 KV Bhadrawati Chandrapur # 3 & 4 is also required as this line is crossing underneath the 400 KV Bhadrawati Parli line in between Loc.'s 4 - 5.	WRTS-I	WRTS-I	C
76	400	Bhadrawati -Dhariwal- Parli # 2	21-Dec-15	9:00	22-Dec-15	18:00	Daily	Replacement of Porcelain Insulators with Glass in N.H./HVDC Crossings. 400 KV Bhadrawati -Dhariwal- Parli # 2 will be out of service during the period.Auto reclose shall be kept in Non auto mode for 400 Kv Bhandrawati -Parli # 1 is required.	WRTS-I	WRTS-I	C
77	220	Jalna - Waluj D/C	21-Dec-15	07.00	22-Dec-15	18.00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	C
78	400	Bus Reactor-I at Parli (PG)	21-Dec-15	10:00	21-Dec-15	18:00	Daily	AMP Work at Parli	WRTS-1	WRTS-1	R
79	400/20	315MVA ICT # 2 at Mapusa	21-Dec-15	9:00	21-Dec-15	17:00	Daily	AMP of ICT	WRTS-1	WRTS-1	R
80	765/400	1500 MVA ICT 1 at Pune (GIS)	21-Dec-15	10:00	21-Dec-15	13:00	Daily	AMP	WRTS-I	WRTS-I	R
81	76	765KV Aurangabad # 1 Line with L/R at solapur	21-Dec-15	9:00	21-Dec-15	18:00	Daily	CSD commissioning works and A/R testing and CT oil sampling	WRTS-I	WRTS-I	C
82	765	765/400 kV AT-1 (Main bay 712) at Seoni	21-Dec-15	8:00	21-Dec-15	14:00	Daily	AMP works (CT Dew point)	WRTS-I	WRTS-I	R
83	400	400/220 KV ICT-II (Tie bay 405) at Seoni	21-Dec-15	8:00	21-Dec-15	14:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
84	765	Seoni- Bilaspur -II (Main bay 716) at Seoni	21-Dec-15	14:00	21-Dec-15	18:00	Daily	AMP works (CT Dew point)	WRTS-I	WRTS-I	R
85	400	400/220 KV ICT-II (Tie bay 405) at Seoni	21-Dec-15	14:00	21-Dec-15	18:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
86	765/40	ICT # 3 at Wardha	21-Dec-15	9:00	21-Dec-15	18:00	Daily	Variable frequency tan delta measurement of Bushings	WRTS-I	WRTS-I	R
87	400	400kV Wardha Raipur # 1 line	21-Dec-15	9:00	21-Dec-15	18:00	Daily	Commissioning of CSD work	WRTS-I	WRTS-I	R
88	765/40	ICT-1 at Aurangabad	21-Dec-15	9:00	21-Dec-15	18:00	Daily	for normalisation of Y-ph unit after repairs and to take out spare unit	WRTS-I	WRTS-I	R
89	765	AT Bank #1 at Tamnar PS	21-Dec-15	10:00	21-Dec-15	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
90	220	Doma Bay(20852) at Raipur SS	21-Dec-15	9:00	23-Dec-15	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
91	400	Wardha 2 Tie Bay(42852) at Raipur SS	21-Dec-15	9:00	21-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
92	765	Bus reactor #1 at Durg PS	21-Dec-15	9:00	22-Dec-15	17:30	Daily	CSD Commissioning	WRTS-I	WRTS-I-C	C
93	765	Bus Reactor at Kotra PS	21-Dec-15	10:00	21-Dec-15	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
94	765	AT # 1 at Kotra PS	21-Dec-15	9:00	21-Dec-15	18:00	Daily	Commissioning of CSD in 400 kV side	WRTS-I	WRTS-I-C	C
95	400	Sipat-Ranchi-2 line	21-Dec-15	7:30	22-Dec-15	19:00	Continuous	ANNUAL PREVENTIVE MAINTENANCE	NTPC & PG	NTPC & PGCIL	
96	220	220KV Jhanor- Haldhrwa-2	21-Dec-15	8:00	22-Dec-15	18:00	Continuous	Annual Bay maintenance	NTPC	NTPC	
97	220	Kawas-Hal#1	21-Dec-15	9:00	21-Dec-15	18:00	Continuous	ISOLATOR ALIGNMENT & ES MOTOR REPLACEMENT & ALIGNMENT.	NTPC	NTPC	
98	400	Koradi -Bhusawal	21-Dec-15	10:00	23-Dec-15	18:00	Daily	PID testing of insulator strings by Hot line Uint Akola A/R shall be kept in non auto mode	MSETCL	MSETCL	
99	220	Navsari - Nasik 1 & 2	21/Dec/15	8:00	26/Dec/15	18:00	Continuous	Line height raising work at highway crossing and insulator replacement work.	GETCO - MSETCL	GETCO	
100	400	CGPL Bus Reactor	21-Dec-15	6:00 AM	21-Dec-15	06:00PM		Isolator 418 L Modification	CGPL	CGPL	
101	765	Bay-709 at Koradi III SS	21-Dec-15	8:00	21-12-2015	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
102	220	Vapi -Sayali	22-Dec-15	7:00	23-Dec-15	18:00	Daily	Replacement of all procelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution.	PGCIL	WR-II	C
103	400	315MVA ICT 2 at Navsari GIS	22-Dec-15	10:00	22-Dec-15	15:00	Daily	Scheme modification for NTAMC in Tap Changer	PGCIL	WR-II	C
104	400	Bus Coupler Bay at Vadodara GIS	22-Dec-15	10:00	22-Dec-15	16:00	Daily	Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara GIS	PGCIL	WR-II	C
105	400	80 MVAR Aurangabad - Boisar I Line Reactor	22-Dec-15	9:00	22-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
106	765	765kV Jabalpur - Dharmjaygarh # 2 Line along with Line Reactor at Jabalpur Pooling Station	22-Dec-15	9:00	22-Dec-15	18:00	Daily	765kV Bus # 2 Spare Reactor Phase Commissioning with Dharmjaygarh # 2 R for Swapping with Dharmjaygarh # 2 R Phase Reactor.	PGCIL	WR-II	C
107	400	315MVA ICT-II at Shujalpur S/s.	22-Dec-15	10:00	22-Dec-15	15:00	Daily	For AMP work	PGCIL	WR-II	R
108	765	1500 MVA ICT-II at Vindhachal Pooling SS	22-Dec-15	10:00	23-Dec-15	19:00	Daily	Spare ICT unit commissioning with ICT-II	PGCIL	WR-II	C
109	765	Vindhachal-Satna 2 Tie Bay (717Bay), at Satna S/S.	22-Dec-15	9:00	22-Dec-15	13:00	Daily	For CT oil sampling at Satna S/S.	PGCIL	WR-II	R
110	765	Bus Reactor#2 Main Bay (718Bay), at Satna S/S.	22-Dec-15	14:00	22-Dec-15	18:00	Daily	For CT oil sampling at Satna S/S.	PGCIL	WR-II	R
111	765/400	ICT-2 at Aurangabad	22-Dec-15	9:00	22-Dec-15	18:00	Daily	Stability test along with Spare Trfr unit at Aurangabad	WRTS-I	WRTS-I	R
112	400	400 KV Bus Reactor at Wardha	22-Dec-15	9:00	22-Dec-15	18:00	Daily	Variable frequency tan delta measurement of Bushings	WRTS-I	WRTS-I	R
113	765/400	ICT # 1 at Wardha	22-Dec-15	9:00	22-Dec-15	18:00	Daily	Variable frequency tan delta measurement of Bushings	WRTS-I	WRTS-I	R
114	400	Bus Reactor Tie Bay (414 Bay) at Mapusa	22-Dec-15	9:00	22-Dec-15	18:00	Daily	AMP of Bay	WRTS-1	WRTS-1	R
115	400	Parli - Wardha-I Line	22-Dec-15	10:00	22-Dec-15	18:00	Daily	For commissioning of CSD	WRTS-1	WRTS-1	C
116	765	765/400 KV Bus Reactor (Main bay 713) at Seoni	22-Dec-15	8:00	22-Dec-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
117	765	765KV Aurangabad # 2 Line with L/R at solapur	22-Dec-15	9:00	22-Dec-15	18:00	Daily	CSD commissioning works and A/R testing and CT oil sampling	WRTS-I	WRTS-I	C
118	400	Parli-Pune(GIS)#1 & 2 and Pune (Talegaon) - Pune(GIS) # 1&2	22-Dec-15	8:00	23-Dec-15	18:00	Daily	Overhead crossing by LILO of 400 KV D/c Aurangabad-Pune line	WRTS-I / WRTMPL	WRTS-I	C
119	765	Bus Reactor of Tamnar PS	22-Dec-15	10:00	22-Dec-15	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
120	400	Raipur-Wardha Ckt # 1	22-Dec-15	0:00	22-Dec-15	0:00	Daily	Attending AMP & shutdown works.	WRTS-I	WRTS-I-C	R
121	220	Raipur- Urla TL	22-Dec-15	9:00	22-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
122	220	BAY 207 of Raigarh - Budhipadar Ckt #1 at Raigarh S/S	22-Dec-15	10:00	22-Dec-15	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
123	765	Jharsuguda (Sundergarh) -Korba (Dharamjaygarh) Ckt # 1 TL	22-Dec-15	8:00	22-Dec-15	18:00	Daily	Pending SAS works	WRTS-I	WRTS-I-C	C
124	765	Seoni-2 Switchable Line Reactor at Bilaspur S/S	22-Dec-15	8:00	23-Dec-15	16:00	Continuous	NGR Bypass work	WRTS-I	WRTS-I-C	C
125	765	AT # 2 at Kotra PS	22-Dec-15	9:00	22-Dec-15	18:00	Daily	Commissioning of CSD in 400 kV side	WRTS-I	WRTS-I-C	C
126	400	VINDHACHAL BUS COUPLER-3	22-Dec-15	9:00	23-Dec-15	18:00	Continuous	Annual Maintenance	NTPC	NTPC	
127	220	DAMOH (PG) - SAGAR CKT	22/Dec/15	9:00	22/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
128	220	PANDHURNA - KALMESHVAR CKT	22/Dec/15	9:00	22/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
129	220	MAHALGAON(GWL) - GWL( PG) CKT - I	22/Dec/15	9:00	22/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
130	400	400/220kV,315 MVA ICT Main BAY 402 &Tie Bay 403	22-Dec-15	8:00	22-Dec-15	18:00	Daily	For dignostice testing and Routine Maintenance and Isolator serviceing work	MSETCL	MSETCL	
131	400	New Koyna – Karad I	22-Dec-15	8:30	22-Dec-15	17:30	Daily	Routine Maintenance Work	MSETCL	MSETCL	
132	400	CGPL Bus Reactor	22-Dec-15	6:00 AM	22-Dec-15	06:00PM		Isolator 418 L Modification	CGPL	CGPL	
133	765	Koradi III - Akola II Line 1	22-Dec-15	9:00	22-Dec-15	18:00	Daily	OPGW rectification work in transmission line	MEGPTCL	MEGPTCL	R
134	765	Tiroda - Koradi III Line 1	22-Dec-15	9:00	24-Dec-15	9:00	Continues	To carry out replacement work of Line reactor#1 B phase	MEGPTCL	MEGPTCL	R
135	765	Line Rector of Tiroda - Koradi III Line 1 at Tiroda end	22-Dec-15	9:00	02-Jan-16	9:00	Continues	To carry out replacement work of Line reactor#1 B phase	MEGPTCL	MEGPTCL	R
136	400	APL - Phase # 4 - Bus - 1	22-Dec-15	9:00	23-Dec-15	19:00	Daily	For Annual Maintenamce of bay equipment	APL	APL	R
137	400	125MVAR Bus Reactor # 1 at Itarsi	23-Dec-15	9:00	23-Dec-15	18:00	Daily	For AMP works	PGCIL	WR-II	R
138	400	ICT 3 at Navsari GIS	23-Dec-15	10:00	23-Dec-15	15:00	Daily	Scheme modification for NTAMC in Tap Changer	PGCIL	WR-II	C
139	400	Jhanor-GPEC S/C	23-Dec-15	8:00	24-Dec-15	18:00	Daily	Online PTW for additional earthing Work. A/R will be N/A mode.	PGCIL	WR-II	C
140	400	Indore-Indore line #II	23-Dec-15	10:00	23-Dec-15	18:00	daily	For replacement of MOM box of line earth switch at Indore sub-station	PGCIL	WR-II	R
141	400	Jabalpur - Itarsi # 4 Line	23-Dec-15	10:00	23-Dec-15	18:00	Daily	To restore Itarsi # 4 main bay after replacing all equipment with existing 2000A rating to 3000 A at Jabalpur SS	PGCIL	WR-II	C
142	400	80 MVAr Aurangabad - Boisar II Line Reactor	23-Dec-15	9:00	23-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
143	765	765kV Jabalpur-Bina # 2 Main bay (818 Bay) at Jabalpur Pooling Station	23-Dec-15	9:00	24-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
144	400	BUS-1 AT DEHGAM S/S	23-Dec-15	10:00	23-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
145	400	Mundra-Limbadi#1	23-Dec-15	8:00	23-Dec-15	18:00	Daily	Rectification of damaged conductor (Mundra-Mansar & Mundra-Limbadi in non auto operation)	CGPL	WR-II	R
146	400	Shujalpur-Nagda Ckt-II Main Bay (407) at Shujalpur S/s.	23-Dec-15	10:00	23-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
147	400	Vindhychal-Satna Line # 3	23-Dec-15	9:00	23-Dec-15	14:00	Daily	For CVT Replacement at Satna S/S.	PGCIL	WR-II	R
148	765/400	1500 MVA ICT 2 at Pune (GIS)	23-Dec-15	10:00	23-Dec-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
149	400	50MVAR Bus Reactor at Mapusa	23-Dec-15	9:00	23-Dec-15	17:30	Daily	AMP of B/R	WRTS-1	WRTS-1	R
150	400	Parli Pune (GIS) -I Line	23-Dec-15	10:00	23-Dec-15	18:00	Daily	For commissioning of CSD	WRTS-I / WRTMPL	WRTS-1	C
151	400	Bhadrawati-Chandrapur # 4	23-Dec-15	9:00	24-Dec-15	16:00	Daily	Replacement of Porcelain Insulators with CLR Polymer in HVDC line crossings. 400 Kv Bhadrwati Chandrapur # 4 will be out of service during the period.Auto reclose shall be kept in Non auto mode for 400 Kv Bhadrwati Chandrapur # 3 line is requied.	WRTS-I	WRTS-I	C
152	765	Solapur - Aurangabad # 1&2	23-Dec-15	7:00	23-Dec-15	17:00	Daily	For attending S/D nature balance works	WRTS-I	WRTS-I	C
153	220	Solapur Kumbhari Line #1	23-Dec-15	9:00	23-Dec-15	18:00	Daily	AMP Work and Isolator Alignment	MSETCL	WRTS-I	R
154	220	BUS# 2 at Solapur	23-Dec-15	9:00	23-Dec-15	18:00	Daily	AMP Work and Isolator Alignment	WRTS-I	WRTS-I	R
155	765	765/400 KV AT-2 (Tie bay 714) at Seoni	23-Dec-15	8:00	24-Dec-15	18:00	Cont.	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
156	765	765 KV Aurangabad # 1 Main 716 Bay at Wardha	23-Dec-15	9:00	23-Dec-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
157	765	Aurangbaad-Dhule line	23-Dec-15	9:00	23-Dec-15	18:00	Daily	Modification of line LA/CVT jumpers at Aurangabad	BDTCL	WRTS-I	R
158	400	Jindal # 4 & AT#1 (408) Tie Bay at Tamnar PS	23-Dec-15	8:00	23-Dec-15	20:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
159	400	Raipur-Wardha Ckt # 2	23-Dec-15	0:00	23-Dec-15	0:00	Daily	Attending AMP & shutdown works.	WRTS-I	WRTS-I-C	R
160	400	Raipur- Korba Ckt # 3	23-Dec-15	9:00	23-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
161	220	BAY 208 of Raigarh - Raigarh CSEB Ckt # 3 at Raigarh S/S	23-Dec-15	10:00	23-Dec-15	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
162	220	Korba Budhipadar Ckt # 3	23-Dec-15	8:00	26-Dec-15	18:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
163	765	Wardha-1 Line Reactor (Switchable) at Durg PS	23-Dec-15	9:00	24-Dec-15	17:00	Daily	CSD Commissioning	WRTS-I	WRTS-I-C	C
164	765	AT # 3 at Kotra PS	23-Dec-15	9:00	23-Dec-15	18:00	Daily	Commissioning of CSD in 400 kV side	WRTS-I	WRTS-I-C	C
165	765	Kotra - Tamnar Ckt # 2 Main Bay 704 at Kotra PS	23-Dec-15	10:00	23-Dec-15	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R

**TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016**

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
166	400	SEONI- SARNI CkT	23/Dec/15	9:00	23/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
167	220	MAHALGAON(GWL) - GWL( PG) CKT - II	23/Dec/15	9:00	23/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
168	400	ICT-I Bay@ Chandrapur	23-Dec-15	8:00	23-Dec-15	18:00	Daily	For measurement of Bushing Tan delta,220 KV CT's Tan delta & Breaker DCRM Work.	MSETCL	MSETCL	
169	400	Chandrapur-II Ckt-1 (bay 418) at 400KV Switching S/s	23-Dec-15	10:00	23-Dec-15	18:00	Daily	Bay 418- CT Diagnostic testing work & allied bay maintenance work	MSETCL	MSETCL	
170	220	Sayali - Khadoli	24-Dec-15	7:00	24-Dec-15	18:00	Daily	Replacement of all procelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution. A/R to be kept in non mode during work.	PGCIL	WR-II	C
171	400	Bus Coupler Bay at Navsari GIS	24-Dec-15	9:00	24-Dec-15	18:00	Daily	For AMP works	PGCIL	WR-II	R
172	400	Bay 417 tie bay for 63 MVAR Bus reactor and MPPTCL Ckt #1 at Indore ss	24-Dec-15	10:00	24-Dec-15	18:00	daily	For AMP work and attending unbalance current in bay at Indore ss	PGCIL	WR-II	R
173	400	Main Bus # 2 at Jabalpur	24-Dec-15	10:00	24-Dec-15	18:00	Daily	To restore Itarsi # 4 main bay after replacing all equipment with existing 2000A rating to 3000 A at Jabalpur SS	PGCIL	WR-II	C
174	220	BUS I at Boisar	24-Dec-15	9:00	24-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
175	765	765kV ICT # 2 at Jabalpur Pooling Station	24-Dec-15	9:00	24-Dec-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 2 for Swapping with ICT # 2 Y Phase.	PGCIL	WR-II	C
176	400	BUS-2 AT DEHGAM S/S	24-Dec-15	10:00	24-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
177	220	220KV Side ICT-I Main bay (208) at Shujalpur S/s.	24-Dec-15	10:00	24-Dec-15	14:00	Daily	For AMP work	PGCIL	WR-II	R
178	765	Vindhychal - Satna-II feeder reactor	24-Dec-15	9:00	24-Dec-15	19:00	Daily	Jumpering work ( Line will be in service)at Vindhychal pooing SS	PGCIL	WR-II	C
179	400	Vindhychal-Satna#3 Main Bay (421 Bay) at Satna S/S	24-Dec-15	9:00	24-Dec-15	18:00	Daily	For Annula Maintenace work at Satna S/S.	PGCIL	WR-II	R
180	765	Bus-1 at Aurangabad	24-Dec-15	9:00	24-Dec-15	18:00	Daily	for providing of spacers	WRTS-I	WRTS-I	R
181	765	Dhule main bay 704 at Aurangabad	24-Dec-15	9:00	24-Dec-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
182	765	765 KV Bus Reactor # 2 at Wardha	24-Dec-15	9:00	24-Dec-15	18:00	Daily	LA jumper rectification work and auxiliary bus isolator connection work	WRTS-I	WRTS-I	C
183	400	765/400 kV AT-1 (Main bay 410) at Seoni	24-Dec-15	8:00	24-Dec-15	14:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
184	400	Seoni- Satpura (Tie bay 414) at Seoni	24-Dec-15	14:00	24-Dec-15	18:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
185	220	Solapur Kumbhari Line # 2	24-Dec-15	9:00	24-Dec-15	18:00	Daily	AMP AND ISOLATOR ALIGNMENT WORK OF BUS#2	MSETCL	WRTS-I	C
186	220	BUS# 2 at Solapur	24-Dec-15	9:00	24-Dec-15	18:00	Daily	AMP Work and Isolator Alignment	WRTS-I	WRTS-I	R
187	400	Jindal # 3 & AT#2 (411) Tie Bay at Tamnar PS	24-Dec-15	8:00	24-Dec-15	20:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
188	400	Bhilai 1 Tie Bay(23) at Raipur SS	24-Dec-15	9:00	26-Dec-15	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
189	400	Korba 2 Tie Bay at Khedamara SS	24-Dec-15	9:00	24-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
190	220	Bus Coupler BAY 209 at Raigarh S/S	24-Dec-15	10:00	24-Dec-15	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
191	765	AT # 4 at Kotra PS	24-Dec-15	9:00	24-Dec-15	18:00	Daily	Commissioning of CSD in 400 kV side	WRTS-I	WRTS-I-C	C
192	765	Kotra - Tamnar Ckt # 2 Main Bay 704 at Kotra PS	24-Dec-15	10:00	24-Dec-15	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
193	400	400 KV Sugan-Unosugen Bay.	24-Dec-15	9:00	24-Dec-15	18:00	Daily	Bay Meter Calibration,Maintenance & Offline washing	TPL-SUGER	TPL-SUGER	R
194	400	400 KV Transfer Bus.	24-Dec-15	9:00	24-Dec-15	18:00	Daily	Maintenance of Bus Isolator 404-891 of SUGEN -Unosugen line.	TPL-SUGER	TPL-SUGER	R
195	765	708 -Tie bay of Akola- Koradi-Line 2 at Akola-II SS	24-Dec-15	8:00	24-Dec-15	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
196	220	Bus Coupler Bay at Navsari GIS	25-Dec-15	9:00	25-Dec-15	18:00	Daily	For AMP works	PGCIL	WR-II	R
197	765	705 bay, tie bay for Indore Bina line at indore SS	25-Dec-15	10:00	25-Dec-15	18:00	Daily	for AMP work of 705 bay at Indore SS	PGCIL	WR-II	R
198	500	Chandrpur - Padge	25-Dec-15	07.00	26-Dec-15	18.00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	C
199	400/22	ICT # 1 at Wardha	25-Dec-15	9:00	25-Dec-15	18:00	Daily	Variable frequency tan delta measurement of Bushings	WRTS-I	WRTS-I	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
200	400	Bhadrawati-Parli-1	25-Dec-15	9:00	26-Dec-15	18:00	Daily	Replacement of Porcelain Insulators with Polymer in Power line/Railway & NH crossings for public safety.Auto reclose shall be kept in Non auto mode for Bhadrawati-Parli-2 line is required.	WRTS-I	WRTS-I	R
201	220	Vapi - Magarwada Ckt.1	26-Dec-15	7:00	28-Dec-15	18:00	Daily	Replacement of all procelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution.	PGCIL	WR-II	C
202	400	400/220kV ICT at Bina	26-Dec-15	9:00	26-Dec-15	18:00	Daily	AMP WORK	PGCIL	WR-II	R
203	765	Indore- Vadodara Line	26-Dec-15	10:00	27-Dec-15	18:00	Daily	for 400 KV Khandwa indore line crossing work.	PGCIL	WR-II	C
204	400	BUS I at Boisar	26-Dec-15	9:00	26-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
205	765	765kV Bus Reactor # 1 Tie bay (802 Bay) at Jabalpur Pooling Station	26-Dec-15	9:00	26-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
206	220	TRANSFER BUS AT DEHGAM S/S	26-Dec-15	10:00	26-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
207	765	Satna-Bina#1 Reactor Bay (703R Bay), Switchable Reactor at Satna S/S.	26-Dec-15	9:00	26-Dec-15	18:00	Daily	For Annula Maintenace work at Satna S/S.	PGCIL	WR-II	R
208	400	Wardha-2 L/Reactor at Aurangabad	26-Dec-15	9:00	26-Dec-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
209	220	Wardha Deoli line	26-Dec-15	9:00	26-Dec-15	18:00	Daily	AMP work	MSETCL	WRTS-I	R
210	765	765/400 KV AT-2 (Main bay 715) at Seoni	26-Dec-15	8:00	26-Dec-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
211	220	BUS# 1 at Solapur	26-Dec-15	9:00	27-Dec-15	18:00	Daily	BUS BAR STABILTY WITH ICT3 AND FUTURE BAYS. AMP WORKS	WRTS-I	WRTS-I	R
212	765	240MVAR B/R at Pune (GIS)	26-Dec-15	10:00	26-Dec-15	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
213	400	Pune( Talegaon) -Pune(GIS) # 1&2	26-Dec-15	8:00	26-Dec-15	18:00	Daily	Removal of swapping arrangement	WRTS-I / WRTMPL	WRTS-I	C
214	400	125MVAR Bus Reactor-II at Parli (PG)	26-Dec-15	10:00	26-Dec-15	14:00	Daily	C & tandelta testing at variable freq. at Parli	WRTS-1	WRTS-I	R
215	400	AT#2 (412) Main Bay at Tamnar PS	26-Dec-15	8:00	26-Dec-15	20:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
216	765	709 -Main bay of Akola- Koradi Line-2 at Akola-II SS	26-Dec-15	8:00	26-Dec-15	18:00	Daily	For Annual Maintenace of bay equipment	MEGPTCL	MEGPTCL	R
217	765	Bay-710 at Koradi III SS	26-Dec-15	8:00	26-Dec-15	18:00	Daily	For Annual Maintenace of bay equipment	MEGPTCL	MEGPTCL	R
218	400	Aurangabad- Pune (Talegaon) # 1 & 2	27-Dec-15	8:00	31-Dec-15	18:0	Conti.	For carrying out LILO work of 400 KV D/c Aurangabad-Talegaon line at 765/400 KV GIS at Shikrapur	WRTMPL	WRTS-I	C
219	220	220 KV Wardha Badnera line	27-Dec-15	9:00	27-Dec-15	18:00		AMP work	MSETCL	WRTS-I	R
220	400	Sipat-Ranchi Ckt # 1 & 2	27-Dec-15	8:00	28-Dec-15	0:00	Daily	Non A/R mode of TL for Additional Earthing works	WRTS-I	WRTS-I-CG	
221	765	Jabalpur-Bina#1 Line	28-Dec-15	9:00	28-Dec-15	18:00	Daily	REACTOR & TERMINAL EQUIPMENT AMP WORK at Bina	PGCIL	WR-II	R
222	220	KAPP -Haldarwa II	28-Dec-15	7:00	30-Dec-15	18:00	Cont.	Drive Overhauling of circuit breaker at Haldarwa	GETCO	WR-II	R
223	400	SUZEN-Vapi S/C	28-Dec-15	8:00	29-Dec-15	18:00	Daily	Online PTW for additional earthing Work. A/R will be N/A mode.	PGCIL	WR-II	C
224	765	710 BAY, MAIN BAY FOR Indore- Bhopal line at Indore SS	28-Dec-15	10:00	28-Dec-15	18:00	Daily	for AMP work of 710 bay at Indore SS	PGCIL	WR-II	R
225	400	Jabalpur - Itarsi # 2 Main Bay (415) at Jabalpur SS	28-Dec-15	10:00	28-Dec-15	17:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
226	400	BUS 2 at Boisar	28-Dec-15	9:00	28-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
227	765	765kV Jabalpur-Bina Line #1 Tie bay (814 Bay) at Jabalpur Pooling Station	28-Dec-15	9:00	28-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
228	400	125 MVAR BUS REACTOR MAIN BAY (401) AT DEHGAM S/S	28-Dec-15	10:00	28-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
229	400	315MVA ICT-1 Main bay (403) at Shujalpur S/s.	28-Dec-15	10:00	28-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
230	220	201 ICT-1 Main Bay at Vapi	28-Dec-15	9:00	29-Dec-15	20:00	Cont.	CB Overhauling and Bay AMP	PGCIL	WR-II	R
231	765	1500 MVA ICT-II at Vindhyachal Pooling SS	28-Dec-15	10:00	29-Dec-15	19:00	Daily	For taking spare out of service and commissioning of CSD relay by M/s.Alstom	PGCIL	WR-II	C
232	765	Sasan-Satna#2 Main Bay (707Bay) at Satna S/S	28-Dec-15	9:00	28-Dec-15	18:00	Daily	For Annula Maintenace work at Satna S/S.	PGCIL	WR-II	R
233	765	765 KV Wardha Aurangabad # 4 Line	28-Dec-15	9:00	28-Dec-15	18:00		CSD commissioning work.	WRTS-I	WRTS-I	C
234	400	Bhilai Bhadrawati # 1.	28-Dec-15	8:00	02-Jan-16	18:00	Daily	AR in Non auto mode for conducting PID.	WRTS-I	WRTS-I	C



## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
235	400	400kv Bhilai-1 main bay (415 bay) at Bhadrawati	28-Dec-15	9:00	28-Dec-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
236	400	BUS # 2 at Pune ( Talegaon )	28-Dec-15	9:00	28-Dec-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
237	765	BAY 711 Tie Bay of Pune and Aurangabad # 2 at Solapur	28-Dec-15	9:00	28-Dec-15	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
238	765	240MVAR Switchable Solpaur L/R at Pune (GIS)	28-Dec-15	10:00	28-Dec-15	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
239	765	Seoni- Bilaspur -II (Tie bay 717) at Seoni	28-Dec-15	8:00	28-Dec-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
240	400	Parli-Dhariwal ( LILO of Bhadrawati Parli 2)	28-Dec-15	9:00	29-Dec-15	18:00	Daily	Replacement of Porcelain Insulators with Polymer in Power line/Railway & NH crossings for public safety.Auto reclose shall be kept in Non auto mode for Bhadrawati-Parli- 1 line is required.	WRTS-I	WRTS-I	R
241	765	Solapur-2 L/R at Aurangabad	28-Dec-15	9:00	28-Dec-15	18:00	Daily	for attending Oil leakage from R-ph Unit and for checking of Reactor CB drive mechanism	WRTS-I	WRTS-I	R
242	400	Akola-Aurangabad # 2	28-Dec-15	9:00	28-Dec-15	18:00	Daily	Commissioning of L/Reactor at Aurangabad and Bays AMP works	WRTS-I	WRTS-I	C
243	400	ICT-1 Main CB 401-52 at Aurangbaad	28-Dec-15	9:00	28-Dec-15	18:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
244	220	ICT 2 Bay(20552) at Raipur SS	28-Dec-15	9:00	30-Dec-15	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
245	400	Korba 2 Main Bay at Khedamara SS	28-Dec-15	9:00	28-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
246	400	Line Bay of 421L of Raigarh-Kotra Ckt # 1 at Raigarh S/S	28-Dec-15	10:00	28-Dec-15	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
247	400	Raipur # 1 Tie Bay 417 at Durg PS	28-Dec-15	9:00	28-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
248	765	Seoni#1 Tie Bay (705) at Bilaspur S/S	28-Dec-15	8:00	28-Dec-15	16:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
249	765	Kotra - Tamnar Ckt # 2 Tie Bay 705 at Kotra PS	28-Dec-15	10:00	28-Dec-15	11:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
250	765	765/400 kV AT # 4 Main Bay 706 at Kotra PS	28-Dec-15	11:00	28-Dec-15	12:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
251	765	Kotra - Tamnar Ckt #1 Main Bay 707 at Kotra PS	28-Dec-15	12:00	28-Dec-15	13:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
252	765	Kotra - Tamnar Ckt #1 Tie Bay 708 at Kotra PS	28-Dec-15	15:00	28-Dec-15	16:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
253	765	AT #3 Main Bay 709 at Kotra PS	28-Dec-15	16:00	28-Dec-15	17:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
254	400	400 KV BUS-2	28-Dec-15	9:00	28-Dec-15	13:00	Daily	Maintenance of Bus Isolator 404-89B. of SUGEN -Unosugen line.	TPL-SUGEN	TPL-SUGEN	R
255	400	400 KV BUS-2	28-Dec-15	13:00	28-Dec-15	18:00	Daily	Maintenance of Bus Isolator 410-89B. of SUGEN Unit 30.	TPL-SUGEN	TPL-SUGEN	R
256	400	Korba-Korba West Line	28-Dec-15	8:30	30-Dec-15	17:30	Continuous	For New 400KV LA foundation civil excavation work in line bay	NTPC	NTPC	
257	400	ISP- NAGDA CKT	28/Dec/15	9:00	28/Dec/15	16:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
258	400	Koradi -II -Koradi I	28-Dec-15	7:00	31-Dec-15	18:00	Continuous	For Disconnecting LILO arrangement Koradi I to India BullsLINE and Charging of Koradi -II to Wardha PG	MSETCL	MSETCL	
259	400	Koradi -li - India Bulls	28-Dec-15	7:00	31-Dec-15	18:00	Continuous	For Disconnecting LILO arrangement Koradi I to India BullsLINE and Charging of Koradi -II to Wardha PG	MSETCL	MSETCL	
260	400	Koradi -II MAIN Bus -II	28-Dec-15	7:00	31-Dec-15	18:00	Continuous	For Disconnecting LILO arrangement Koradi I to India BullsLINE and Charging of Koradi -II to Wardha PG	MSETCL	MSETCL	
261	400	IEPL -Wardha	28-Dec-15	7:00	31-Dec-15	18:00	Continuous	For Disconnecting LILO arrangement Koradi I to India BullsLINE and Charging of Koradi -II to Wardha PG	MSETCL	MSETCL	
262	400	New Koyna – Dabhol – II	28-Dec-15	8:30	28-Dec-15	17:30	Daily	Routine Maintenance Work	MSETCL	MSETCL	
263	400	Chandrapur Parali Circuit - III	28-Dec-15	8:00	28-Dec-15	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT III	MSETCL	MSETCL	
264	220	Navsari - Nasik - 2	28/Dec/15	8:00	3/Jan/16	18:00	Daily	Insulator replacement work	GETCO - MSETCL	GETCO	
265	765	765kV Bus-1 at Koradi III SS	28-Dec-15	8:00	28-Dec-15	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
266	220	Vapi - Magarwada Ckt.2	29-Dec-15	7:00	31-Dec-15	18:00	Daily	Replacement of all porcelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution.	PGCIL	WR-II	C
267	765	Jabalpur-Bina#2 Line	29-Dec-15	9:00	29-Dec-15	18:00	Daily	REACTOR & TERMINAL EQUIPMENT AMP WORK at Bina	PGCIL	WR-II	R
268	400	125MVAR Bus Reactor at Indore sub-station	29-Dec-15	10:00	29-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
269	765	1500 MVA ICT # 1 at Vadodara GIS	29-Dec-15	10:00	29-Dec-15	18:00	Daily	Commissioning of CSD Relay	PGCIL	WR-II	C
270	400	315 MVA ICT # 1 Main Bay (421) at Jabalpur SS	29-Dec-15	10:00	29-Dec-15	17:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
271	400	Boisar Padghe	29-Dec-15	9:00	29-Dec-15	18:00	Daily	Replacement of porcelain disc insulator strings with polymer in balance portion of line to prevent undesirable tripping of line due to pollution.	PGCIL	WR-II	C
272	765	765kV Bus Reactor # 2 Main bay (804 Bay) at Jabalpur Pooling Station	29-Dec-15	9:00	30-Dec-15	18:00	Cont.	Replacement of SF6 Gas leakage Circuit Breaker DAC	PGCIL	WR-II	R
273	400	VADAVI-DEHGAM-1 MAIN BAY(416) AT DEHGAM S/S	29-Dec-15	10:00	29-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
274	400	315MVA ICT-II Main bay (404) at Shujalpur S/s.	29-Dec-15	10:00	29-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
275	765	Satna-Bina#2 Reactor Bay (709R Bay), Switchable Reactor at Satna S/S.	29-Dec-15	9:00	29-Dec-15	18:00	Daily	For Annula Maintenanace work at Satna S/S.	PGCIL	WR-II	R
276	400	ICT-1 Tie CB 402-52 at Aurangbaad	29-Dec-15	9:00	29-Dec-15	18:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
277	400	Akola-Aurangabad # 1	29-Dec-15	9:00	29-Dec-15	18:00	Daily	Commissioning of L/Reactor at Aurangabad and Bays AMP works	WRTS-I	WRTS-I	C
278	765	Solapur-1 L/R at Aurangabad	29-Dec-15	9:00	29-Dec-15	18:00	Daily	for checking of Reactor CB drive mechanism	WRTS-I	WRTS-I	R
279	400	Seoni - Khandwa-I Line	29-Dec-15	8:00	29-Dec-15	18:00	Daily	Line AMP works	WRTS-II	WRTS-I	R
280	765	BAY 712 MAIN Bay of Pune Line at Solapur	29-Dec-15	9:00	29-Dec-15	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
281	400	BUS # 1 at Pune ( Talegaon )	29-Dec-15	9:00	29-Dec-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
282	400	400kv Raipur-2 & MSETCL-4 tie bay (417 tie bay) at Bhadravati	29-Dec-15	9:00	29-Dec-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
283	765	Solapur - Pune Line	29-Dec-15	8:00	30-Dec-15	18:00	Daily	For attending the balance OPGW laying work betwwen 18/0-19/0	WRTS-I	WRTS-I	C
284	400	D/C Aurangabad - Pune Line	29-Dec-15	07.00	30-Dec-15	18.00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	RELIANCE	WRTS-I	C
285	765	Wardha - Aurangabad Ckt - III	29-Dec-15	6:00	30-Dec-15	19:00	Daily	For defect rectification work	WRTS-I	WRTS-I	C
286	765	765 KV Wardha Aurangabad # 2 Line	29-Dec-15	9:00	29-Dec-15	18:00	Daily	CSD commissioning work.	WRTS-I	WRTS-I	C
287	765	765 KV Bus Reactor # 2 at Wardha	29-Dec-15	9:00	30-Dec-15	18:00	Cont.	Rectification of jumpering and balance Fire fighting work plus CSD commissioning in Tie Bay	WRTS-I	WRTS-I	C
288	220	Raipur- Bhilai Ckt # 3	29-Dec-15	9:00	29-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
289	400	Line Bay of 424L Raigarh-Kotra Ckt # 2 at Raigarh S/S	29-Dec-15	10:00	29-Dec-15	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
290	765	Bus Reactor # 2 at Korba S/S	29-Dec-15	8:00	29-Dec-15	18:00	Daily	Attending defects	WRTS-I	WRTS-I-C	R
291	400	Raipur # 1 Main Bay 418 at Durg PS	29-Dec-15	9:00	29-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
292	400	Korba-Sipat TL	29-Dec-15	8:00	29-Dec-15	17:00	Daily	Replacement of Broken insulator	WRTS-I	WRTS-I-C	R
293	765	Champa - Durg Ckt # 2 Tie Bay 714 at Kotra PS	29-Dec-15	10:00	29-Dec-15	11:30	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
294	400	400 KV BUS-2	29-Dec-15	9:00	29-Dec-15	18:00	Daily	Maintenance of Bus Isolator 405-89B of SUGEN - PIRANA line.	TPL-SUGER	TPL-SUGER	R
295	400	VINDHYACHAL-SATNA-III	29-Dec-15	9:00	30-Dec-15	18:00	Continuous	Annual Maintenance	NTPC	NTPC	
296	400	Sipat-Raipur-3 line	29-Dec-15	7:30	30-Dec-15	19:00	Continuous	ANNUAL PREVENTIVE MAINTENANCE	NTPC & PGCIL	NTPC & PGCIL	
297	220	DAMOH PG - TIKAMGARH CKT	29/Dec/15	9:00	29/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
298	220	SEONI (PG)- CHHINDWARACKT - II	29/Dec/15	9:00	29/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
299	220	MALANPUR - GWL( PG) CKT - I	29/Dec/15	9:00	29/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
300	400	Chandrapur Parali Circuit - II	29-Dec-15	8:00	29-Dec-15	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT II	MSETCL	MSETCL	
301	400	Bus-II at 400 KV S/s Raita	29-Dec-15	8:00	30-Dec-15	17:00	On Daily Basis	Maintenance work	CSPTCL	CSPTCL	
302	765	Bina-Gwalior#3 Reactor Bay at Bina	30-Dec-15	9:00	31-Dec-15	18:00	Daily	REACTOR AMP WORK, line will be taken into service immediately without LR	PGCIL	WR-II	R
303	400	BAY 404( MAIN BAY OF PITAMPUR CKT#II) at Indore PS	30-Dec-15	10:00	30-Dec-15	18:00	daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
304	765	1500 MVA ICT # 2 at Vadodara GIS	30-Dec-15	10:00	30-Dec-15	18:00	Daily	Commissioning of CSD Relay	PGCIL	WR-II	C

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
305	400	315 MVA ICT # 1 Tie Bay (420) at Jabalpur SS	30-Dec-15	10:00	30-Dec-15	17:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
306	400	VADAVI-DEHGAM-2 MAIN BAY(417) AT DEHGAM S/S	30-Dec-15	10:00	30-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
307	220	209 Magarwada-1 Main Bay at Vapi	30-Dec-15	9:00	30-Dec-15	17:00	Daily	For AMP work	PGCIL	WR-II	R
308	765	Vindhyachal - Satna-II only line reactor(Line will be in service) at Vindhyachal Pooling SS	30-Dec-15	10:00	30-Dec-15	19:00	Daily	Fine tuning of CSD relay by M/s.Alstom	PGCIL	WR-II	C
309	765	Satna-Gwalior#1 Main Bay (712 Bay), at Satna S/S.	30-Dec-15	9:00	30-Dec-15	18:00	Daily	For Annula Maintenace work at Satna S/S.	PGCIL	WR-II	R
310	765	765 KV Seoni # 1 Main 705 Bay at Wardha	30-Dec-15	9:00	30-Dec-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
311	400	BAY 412 Main Bay of Karad Line at Soalpur (PG)	30-Dec-15	9:00	30-Dec-15	18:00	Daily	OIL SAMPLE COLLECTION AND CT REPLACEMENT	WRTS-I	WRTS-I	R
312	400	400kv EMCO-2 tie and ICT 1 tie bay ( 426 tie bay ) at Bhadrawati	30-Dec-15	9:00	30-Dec-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
313	400/22	ICT # 3 at Pune ( Talegaon)	30-Dec-15	9:00	30-Dec-15	17:00	Daily	AMP	WRTS-I	WRTS-I	R
314	400	401 bay Main bay of of 765/400 Kv ICT # 1 at Pune GIS	30-Dec-15	10:00	30-Dec-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
315	400	Seoni - Khandwa-II Line	30-Dec-15	8:00	30-Dec-15	18:00	Daily	Line AMP works & Reactor AMP	WRTS-II	WRTS-I	R
316	765	Solapur -1 Tie Bay 708 at Aurangabad	30-Dec-15	9:00	30-Dec-15	18:00	Daily	for checking the drive mechanism of CB	WRTS_I	WRTS_I	R
317	400	ICT-2 Main CB 404-52 at Aurangbaad	30-Dec-15	9:00	30-Dec-15	13:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
318	400	Wardha-1 Main CB 413-52 at Aurangbaad	30-Dec-15	14:00	30-Dec-15	18:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
319	400	Raipur- Bhadrawati Ckt # 2	30-Dec-15	9:00	30-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
320	400	Line Bay of 422L Raigarh-KMPCL Ckt # 4 at Raigarh S/S	30-Dec-15	10:00	30-Dec-15	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
321	765	Seoni-2 Switchable Line Reactor at Bilaspur S/S	30-Dec-15	09:00	30-Dec-15	10:00	Daily	Changeover of Spare Line Reactor with R-phase	WRTS-I	WRTS-I-C	R
322	765	Champa - Durg Ckt # 2 Tie Bay 714 at Kotra PS	30-Dec-15	12:00	30-Dec-15	13:30	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
323	400	400 KV BUS-2	30-Dec-15	9:00	30-Dec-15	18:00	Daily	Maintenance of Bus Isolator 406-89B of SUGEN-JHANOR line.	TPL-SUGER	TPL-SUGER	R
324	400	RAJGARH (PGCIL )- NAGDACT I	30/Dec/15	9:00	30/Dec/15	16:00	daily	MAINTENANCE WORK	PGCIL/M PPTCL	WR - II	R
325	220	MALANPUR - GWL( PG) CKT - II	30/Dec/15	9:00	30/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
326	400	HVDC CKT-2 Bay @ Chandrapur	30-Dec-15	8:00	30-Dec-15	19:00	Daily	For Attending Hot Spot & Bay Maintanance Work	MSETCL	MSETCL	
327	400	Dharival IL Ckt-II(bay 410) at 400KV Chandrapur-II s/s	30-Dec-15	10:00	30-Dec-15	18:00	Daily	DCRM work & allied bay maintenance work	MSETCL	MSETCL	
328	400	Chandrapur Parali Circuit - II	30-Dec-15	8:00	30-Dec-15	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT III & LILO work at Nanded	MSETCL	MSETCL	
329	765	765kV Bus-2 at Koradi III SS	30-Dec-15	8:00	30-Dec-15	18:00	Daily	For Annual Maintenanace of bay equipment	MEGPTCL	MEGPTCL	R
330	400	BAY 405 (TIE BAY OF PITHAMPUR CKT#2) at Indore PS	31-Dec-15	10:00	31-Dec-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
331	765	765kV Bus # 1 at Jabalpur Pooling Station	31-Dec-15	9:00	2-Jan-16	18:00	Daily	765kV Bus Isolators Earth Switch Erection / Alignment problem	PGCIL	WR-II	C
332	220	210 Magarwada-2 Main Bay at Vapi	31-Dec-15	9:00	31-Dec-15	17:00	Daily	For AMP work	PGCIL	WR-II	R
333	765	ICT-I at Vindhyachal Pooling SS	31-Dec-15	10:00	1-Jan-16	19:00	Daily	Spare ICT unit commissioning with ICT-I	PGCIL	WR-II	C
334	765	Bur Reactor#1 Main Bay (710 Bay) at Satna S/S	31-Dec-15	9:00	31-Dec-15	18:00	Daily	For Annula Maintenanace work at Satna S/S.	PGCIL	WR-II	R
335	765	Solapur -1 Main Bay 707 at Aurangabad	31-Dec-15	9:00	31-Dec-15	18:00	Daily	for checking the drive mechanism of CB	WRTS_I	WRTS_I	R
336	400	Aurangabad-1 Main CB 412-52 at Aurangabad	31-Dec-15	9:00	31-Dec-15	13:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
337	400	Aurangabad-1 Tie CB 411-52 at Aurangabad	31-Dec-15	14:00	31-Dec-15	18:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
338	400	Seoni- Bhilai (Main bay 415) at Seoni	31-Dec-15	8:00	31-Dec-15	18:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
339	400	402 Bay Tie bay of B/R at Solapur	31-Dec-15	9:00	31-Dec-15	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
340	765	765 KV ICT # 1 Main 706 Bay at Wardha	31-Dec-15	9:00	31-Dec-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
341	400	Bhilai 1 Main Bay(42252) at Raipur SS	31-Dec-15	9:00	2-Jan-16	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
342	400	Bus 3 at Raipur SS	31-Dec-15	9:00	31-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
343	400	400 KV BUS-2	31-Dec-15	9:00	31-Dec-15	13:00	Daily	Maintenance of Bus Isolator 403-89B. of SUGEN Unit 10.	TPL-SUGEN	TPL-SUGEN	R
344	400	400 KV BUS-2	31-Dec-15	13:00	31-Dec-15	18:00	Daily	Maintenance of Bus Isolator 407-89B of SUGEN - VAPI line.	TPL-SUGEN	TPL-SUGEN	R
345	400	Chandrapur Parali Circuit - III	31-Dec-15	8:00	31-Dec-15	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT II	MSETCL	MSETCL	
346	220	Vapi - Karadpada Ckt.1	1-Jan-16	7:00	03-Jan-16	18:00	Daily	Replacement of all porcelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution.	PGCIL	WR-II	C
347	765	Wardha - Aurangabad Ckt - I	1-Jan-16	6:00	3-Jan-16	19:00	Cont.	For balance OPGW stringing work which could not be completed due to RoW problem	WRTS-I	WRTS-I	C
348	765	765 KV Bus Reactor # 1 Main 707 Bay at Wardha	1-Jan-16	9:00	1-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
349	400	407 Bay Main bay of 400KV ICT-2 AT Solapur	1-Jan-16	9:00	1-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
350	400/22	ICT 3 at Solapur	01-Jan-16	9:00	10-Jan-16	18:00	Cont	Fire Fighting system Civil Works, CT OIL SAMPLES, JUMPERING WORKS WITH BUS	WRTS-I	WRTS-I	C
351	400/22	ICT 1 at Solapur	01-Jan-16	9:00	10-Jan-16	18:00	Cont	Fire Fighting system Civil Works, CT OIL SAMPLES, JUMPERING WORKS WITH BUS	WRTS-I	WRTS-I	C
352	400	Bhadrawati Chandrapur # 1	1-Jan-16	9:00	1-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
353	400	PARLI-PUNE(GIS) 1_400kV_LILO	1-Jan-16	9:00	1-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I/WRML	WRTS-I	R
354	400	80 MVAR B/R at Kolhapur	1-Jan-16	9:00	1-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
355	765	765/400 KV AT-3 (Main bay 718) at Seoni	1-Jan-16	8:00	1-Jan-16	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
356	765	Solapur -2 Main Bay 710 at Aurangabad	01-Jan-16	9:00	01-Jan-16	18:00	Daily	for checking the drive mechanism of CB	WRTS_I	WRTS_I	R
357	400	Wardha-2 Main CB 410-52 at Aurangabad	01-Jan-16	9:00	01-Jan-16	14:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
358	400	Durg 1 Main Bay(44552) at Raipur SS	1-Jan-16	9:00	1-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
359	400	Main Bay of 413 Raigarh-Sundergarh Ckt # 1 at Raigarh S/S	1-Jan-16	10:00	1-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
360	765	Champa-Durg Ckt # 1 & 2	1-Jan-16	8:00	03.02.2015	0:00	Daily	Non A/R mode of TL for Additional Earthing works	WRTS-I	WRTS-I-CG	
361	400	Chandrapur Parali Circuit - II	01-Jan-16	8:00	01-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT III	MSETCL	MSETCL	
362	220	Bhilad - TAPS	1/Jan/16	8:00	1/Jan/16	18:00	Daily	Maintenance work			
363	400	Gandhar - Sugan	2-Jan-16	8:00	3-Jan-16	18:00	Daily	Replacement of porcelain disc insulator strings with polymer in balance portion of line to prevent undesirable tripping of line due to pollution.	PGCIL	WR-II	C
364	765	Busreactor#1 at Bina	2-Jan-16	9:00	2-Jan-16	18:00	Daily	REACTOR AMP WORK	PGCIL	WR-II	R
365	400	BAY 415 (TIE BAY OF PITHAMPUR CKT#2) at Indore PS	2-Jan-16	10:00	2-Jan-16	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
366	400	Jabalpur - Jabalpur # 1 Main Bay (410) at Jabalpur SS	2-Jan-16	10:00	2-Jan-16	17:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
367	765	765kV Jabalpur - Dharmjaygarh # 2 Line along with Line Reactor at Jabalpur Pooling Station	2-Jan-16	9:00	2-Jan-16	12:30	Daily	765kV Bus # 2 Spare Reactor Phase Swapping/Normalisation from 765kV Dharmjaygarh # 2 R Phase of Reactor Bank.	PGCIL	WR-II	C
368	400	Satna-Bina Line #4 Main Bay (416 Bay) at Satna S/S	2-Jan-16	9:00	2-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
369	765	Wardha-4 Tie Bay 720 at Aurangabad	02-Jan-16	9:00	02-Jan-16	18:00	Daily	for checking the drive mechanism of CB	WRTS_I	WRTS_I	R
370	765	765 KV Bus Reactor # 1 Tie708 Bay at Wardha	2-Jan-16	9:00	2-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
371	765	Seoni- Wardha-I (Main bay 721) at Seoni	2-Jan-16	8:00	3-Jan-16	18:00	Cont.	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
372	400	765/400 KV AT-2 (Main bay 419) at Seoni	2-Jan-16	8:00	2-Jan-16	14:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
373	400	765/400 KV AT-3 (Main bay 428) at Seoni	2-Jan-16	14:00	2-Jan-16	18:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
374	400	404 Main bay of 765/400 Kv ICT # 2 at Pune GIS	2-Jan-16	10:00	2-Jan-16	18:00	Daily	AMP	WRTS-I	WRTS-I	R
375	765	Seoni 2 Main bay at Wardha	2-Jan-16	8:00	2-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
376	400	Bhadrawati Chandrapur # 2	2-Jan-16	9:00	2-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
377	765	Raichur-1 Line Reactor AT Solapur	2-Jan-16	9:00	2-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
378	765	Wardha - Aurangabad Ckt - IV	2-Jan-16	6:00	3-Jan-16	19:00	Daily	For defect rectification work	WRTS-I	WRTS-I	C
379	400	PARLI -PUNE(GIS) 2 _400kV_LILO	2-Jan-16	9:00	2-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I /WRTML	WRTS-I	R
380	220	220kV Aurangabad (PG)- SEB # 2	2-Jan-16	9:00	2-Jan-16	15:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
381	400	63 MVAR B/R at Solapur	2-Jan-16	9:00	2-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
382	400	Rajpur- KWPCCL TL	2-Jan-16	9:00	2-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
383	400	400 KV BUS Coupler Bay	2-Jan-16	9:00	2-Jan-16	18:00	Daily	Maintenance of Bus Isolator 409-89B of Bus Coupler Bay.	TPL-SUGER	TPL-SUGER	R
384	400	400 KV BUS-2	2-Jan-16	9:00	2-Jan-16	18:00	Daily	Maintenance of Bus Isolator 409-89B of Bus Coupler Bay.	TPL-SUGER	TPL-SUGER	R
385	400	Chandrapur Parali Circuit - III	02-Jan-16	8:00	02-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT II	MSETCL	MSETCL	
386	400	Thaptitanda-Deepnagar	02-Jan-16	11:00	02-Jan-16	17:00	Daily	Alternate load arrangement is available on Akola-I & II	MSETCL	MSETCL	
387	765	Bay-701 at Koradi III SS	02-Jan-16	8:00	02-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
388	765	765kV Jabalpur - Dharmjaygarh # 3 Line along with Line Reactor at Jabalpur Pooling Station	3-Jan-16	9:00	3-Jan-16	18:00	Daily	765kV Bus # 2 Spare Reactor Phase Commissioning with Dharmjaygarh # 3 R for Swapping with Dharmjaygarh # 3 R Phase Reactor.	PGCIL	WR-II	C
389	400	DGEN-Navsari line 1(406 Bay)	03/01/2016	7:00	03/01/2016	18:00	Daily	Preventive maintenance of Isolator C ,LA,CT,EMVT,WT and CRP Panel	DGEN	DGEN	
390	220	Vapi - Karadpada Ckt.2	4-Jan-16	7:00	06-Jan-16	18:00	Daily	Replacement of all procelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution.	PGCIL	WR-II	C
391	400	Bus Reactor # 3 Main Bay at Itarsi	4-Jan-16	9:00	4-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
392	765	Indore Main Bay at Bina	4-Jan-16	9:00	4-Jan-16	18:00	Daily	AMP WORK CB DCRM AND TIMING	PGCIL	WR-II	R
393	220	Navsari- Navsari II	4-Jan-16	09:00	8-Jan-16	18:00	Cont.	Pole overhauling of all 3 poles of CB due to high DCRM	GETCO	WR-II	R
394	220	Kawas-Dastan #1	4-Jan-16	6:00	5-Jan-16	18:00	Daily	Shutdown for Jumper replacement work.	PGCIL	WR-II	R
395	400	MAIN BAY OF 400 KV HATUNIYA(Indore)-Indore (MPPTCL) LINE 2 at MPPTCL SS	4-Jan-16	10:00	4-Jan-16	18:00	Daily	FOR AMP WORK OF MAIN BAY FOR HATUNIYA(INDORE-INDORE MPPTCL AT 400KV MPPTCL SS. LINE WILL BE IN SERVICE THROUGH TRANSFER BAY.	PGCIL	WR-II	R
396	400	315MVA ICT-1 at Jabalpur SS	4-Jan-16	10:00	9-Jan-16	17:00	Cont.	For replacement of defective BHEL make bushing followed by Internal inspection of ICT by Manufacturer due to DGA violation	PGCIL	WR-II	C
397	400	315 MVA ICT # 2 Main Bay (423) at Jabalpur SS	4-Jan-16	10:00	4-Jan-16	17:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
398	400	Bhachau Mundra Ckt 1	4-Jan-16	8:00	4-Jan-16	12:00	Daily	For attending Hot Spot in Line Isolator B Phase at Bhachau.	PGCIL	WR-II	R
399	400	407 Bay - Main Bay of Boisar Padghe Line at Boisar	4-Jan-16	9:00	6-Jan-16	18:00	Daily	Overhauling of Pneumatic Drive of all three poles of circuit Breaker.	PGCIL	WR-II	R
400	400	DEHGAM-PIRANA-2 MAIN BAY (401) AT PIRANA S/S	4-Jan-16	10:00	4-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
401	220	205 Vapi-Vapi (GETCO) Main Bay at Vapi	4-Jan-16	9:00	5-Jan-16	20:00	Cont.	CB Overhauling and Bay AMP	PGCIL	WR-II	R
402	765	ICT-I at Vindhyachal Pool SS	4-Jan-16	10:00	5-Jan-16	19:00	Daily	For commissioning of CSD relay.	PGCIL	WR-II	C
403	400	Satna-Bina Line #4 Tie Bay (417 Bay) at Satna S/S	4-Jan-16	9:00	4-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
404	400	400kV Bus # 1 at Wardha	04-Jan-16	9:00	5-Jan-16	18:00	Daily	Extension of Bus for 400 KV Abad Bays	WRTS-I	WRTS-I	R
405	765	765 KV ICT # 3 Main 709 Bay at Wardha	04-Jan-16	9:00	04-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
406	220	220kV Aurangabad (PG)- SEB # 3	04-Jan-16	9:00	04-Jan-16	15:00	Daily	Yearly Amp works	MSETCL	WRTS-I	R
407	400	Rajpur Bhadrawati # 1.	04-Jan-16	8:00	09-Jan-16	18:00	Daily	A/R in Non auto mode for conducting PID.	WRTS-I	WRTS-I	C
408	400	PUNE(GIS)-PUNE- 1 _400kV_LILO	04-Jan-16	9:00	04-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
409	132	D/C Aurangabad -Gangapur	4-Jan-16	07.00	5-Jan-16	18.00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	C
410	220	Mapusa-Ponda Line-I	4-Jan-16	9:00	4-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
411	400	400kv Bus-1 at Bhadrawati	4-Jan-16	9:00	4-Jan-16	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
412	400	Wardha 2 Main bay at Aurangabad (PG)	4-Jan-16	8:00	4-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
413	400	Bay 429 Tie bay of 765/400 Kv ICT # 2 and Future line at Solapur	4-Jan-16	9:00	4-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
414	765	765 KV Wardha Aurangabad # 2 Line	4-Jan-16	9:00	4-Jan-16	18:00	Daily	Commissioning of LVCC, CSD	WRTS-I	WRTS-I	C
415	400	Boisar-1 L/R at Aurangabad	04-Jan-16	9:00	04-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
416	400	Bhatapara-Bhilai	4-Jan-16	0:00	4-Jan-16	0:00	Daily	Attending AMP & shutdown works.	WRTS-I	WRTS-I-C	R
417	220	Khedamara Bay(20352) at Raipur SS	4-Jan-16	9:00	6-Jan-16	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
418	400	Durg 2 Main Bay at Raipur SS	4-Jan-16	9:00	4-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
419	765	Dharamjaygarh - Ranchi Ckt # 1	4-Jan-16	8:00	10-Jan-16	18:00	Continuous	Replacement of Quad Spacers	WRTS-I	WRTS-I-C	R
420	400	Tie Bay 414 of Raigarh-Sundergarh Ckt # 1 & 125 MVAR Bus Reactor at Raigarh S/S	4-Jan-16	10:00	4-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
421	765	Bus # 1 at Durg PS	4-Jan-16	9:00	5-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
422	765	240MVAR Bilaspur-Korba L/R at Bilaspur S/S	4-Jan-16	8:00	5-Jan-16	18:00	Continuous	NGR Bypass work	WRTS-I	WRTS-I-C	C
423	400	Tie Bay of 765/400 kV AT # 3 (Bay no:420) at Kotra PS	4-Jan-16	15:00	4-Jan-16	16:30	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
424	400	400 KV BUS-2	4-Jan-16	9:00	4-Jan-16	18:00	Daily	Maintenance of Bus Isolator 411-89B of Transfer Bay.	TPL-SUGER	TPL-SUGER	R
425	400	Korba Balco Line	4-Jan-16	8:30	6-Jan-16	17:30	Continuous	Bay equipment & reactor maintenance along with relay testing is over due as last outage was availed on March 2014. Willingness recorded from NTPC Korba site no of times but couldn't avial the shut down from Balco end. May please expedite.	NTPC	NTPC	
426	400	400 kV Bus reactor	4-Jan-16	8:00	8-Jan-16	18:00	Continuous	Annual Bay maintenance	NTPC	NTPC	
427	400	Chandrapur Parali Circuit - III	4-Jan-16	8:00	4-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT III	MSETCL	MSETCL	
428	400	400KV Karad -TALANDAGE -II	4-Jan-16	10:00	04-Jan-16	17:00	Daily	Annual Maint. work	MSETCL	MSETCL	
429	400	Waluj - Bhusawal	04-Jan-16	9:30	04-Jan-16	17:00	Daily	Alternate load arrangement is available on 400kV BBLR , APG1&2,Deepnagar-II	MSETCL	MSETCL	
430	400	Chandrapur Parali Circuit - II	04-Jan-16	8:00	04-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT II	MSETCL	MSETCL	
431	400	400 kV Akola-Bhusawal	04-Jan-16	10:00	06-Jan-16	18:00	Daily	PID testing of insulator strings by Hot line Uint Akola A/R shall be kept in non auto mode	MSETCL	MSETCL	
432	400	Asoj - SSP	4/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
433	220	Ichhapore-Kawas-1	4/Jan/16	8:00	4/Jan/16	18:00	Daily	Maintenance work	PGCIL	GETCO	
434	765	Bay-702 at Koradi III SS	04-Jan-16	8:00	04-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
435	400	Bus Reactor # 2 Main Bay at Itarsi	5-Jan-16	9:00	5-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
436	765	Satna-1 & Indore Tie Bay at Bina	5-Jan-16	9:00	5-Jan-16	18:00	Daily	AMP WORK CB DCRM AND TIMING & DEW POINT	PGCIL	WR-II	R
437	400	Indore-Itarsi line I	5-Jan-16	10:00	5-Jan-16	11:00	Daily	for AMP of Line reactor at MPPTCL.Indore. Line will be charged after isolation of reactor	PGCIL	WR-II	R
438	400	315 MVA ICT # 2 Tie Bay (424) at Jabalpur SS	5-Jan-16	10:00	5-Jan-16	17:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
439	400	315MVA ICT-1 at Bhachau	5-Jan-16	8:00	5-Jan-16	18:00	Daily	FOR AMP Works	PGCIL	WR-II	R
440	400	400KV Jhabua Power Line # 2 at Jabalpur Pooling Station	5-Jan-16	9:00	5-Jan-16	18:00	Daily	AMP work on Terminal Equipments of Jhabua Line # 2.	PGCIL	WR-II	R
441	400	DEHGAM-PIRANA-2 TIE BAY (402) AT PIRANA S/S	5-Jan-16	10:00	5-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
442	220	220KV Side ICT-II Main bay (206) at Shujalpur S/s.	5-Jan-16	10:00	5-Jan-16	14:00	Daily	For AMP work	PGCIL	WR-II	R
443	220	Satna-Maiher Main Bay (207 Bay) at Satna S/S	5-Jan-16	9:00	5-Jan-16	18:00	Daily	For Annula Maintenace work at Satna S/S.	PGCIL	WR-II	R
444	400	Boisar-2 L/R at Aurangabad	05-Jan-16	9:00	05-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
445	765	765 KV Wardha Durg # 2 Main 715 Bay at Wardha	5-Jan-16	9:00	5-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
446	765	765/400 Kv ICT # I Main bay at Pune GIS	5-Jan-16	10:00	5-Jan-16	18:00	Daily	AMP	WRTS-I	WRTS-I	R
447	220	Bay 204 Bus Coupler at Solapur	5-Jan-16	9:00	5-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
448	765	Bus 1 at Wardha	5-Jan-16	8:00	5-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
449	400	PUNE(GIS)-PUNE- 2 _400kV_LILO	5-Jan-16	9:00	5-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
450	400	50 MVAR Bus reactor at Bhadrawati	5-Jan-16	9:00	5-Jan-16	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
451	220	Mapusa-Ponda Line-II	5-Jan-16	9:00	5-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
452	765	WARDHA_A'BAD(PG) 2_SLR_765kV_330 MVAR at Wardha	5-Jan-16	9:00	5-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
453	765	Seoni - Bilaspur-I Line	5-Jan-16	8:00	5-Jan-16	18:00	Daily	Variable frequency tan delta test of bushing	WRTS-I	WRTS-I	R
454	220	208 Bay ( 220KV Talegaon Urse Line # 2 presently the line is not existing ) at Pune (Talegaon)	5-Jan-16	9:30	5-Jan-16	13:30	Daily	AMP	WRTS-I	WRTS-I	R
455	400	Raipur - Korba Ckt # 4	5-Jan-16	9:00	5-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
456	400	Sipat Ranchi Ckt # 1	5-Jan-16	9:00	5-Jan-16	17:00	Daily	Conductor repairing and Insulator replacement	WRTS-I	WRTS-I-C	R
457	400	Main Bay 415 and 125 MVAR Bus Reactor at Raigarh S/S	5-Jan-16	10:00	5-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
458	765	Bus-I at Korba S/S	5-Jan-16	8:00	5-Jan-16	18:00	Daily	Extn works-Jharsuguda #03 & 04 BPI erection under BUS.	WRTS-I	WRTS-I-C	C
459	765	Bilaspur-Seoni Ckt # 2	5-Jan-16	8:00	5-Jan-16	0:00	Daily	Refixing of open quad spacer	WRTS-I	WRTS-I-C	R
460	765	Main Bay of 765/400 kV AT # 2 (Bay no:720) at Kotra PS	5-Jan-16	9:00	5-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
461	400	400 KV BUS-2	5-Jan-16	9:00	5-Jan-16	18:00	Daily	Maintenance of Bus Isolator 412-89B. of ICT-1.	TPL-SUGE	TPL-SUGER	R
462	400	Sipat-Raipur-1 Line	5-Jan-16	7:30	6-Jan-16	19:00	Continuous	ANNUAL PREVENTIVE MAINTENANCE	NTPC & PGCIL	NTPC & PGCIL	R
463	400	RAJGARH (PGCIL )- NAGDACT II	5/Jan/16	9:00	5/Jan/16	16:00	daily	MAINTENANCE WORK	PGCIL/M PPTCL	WR - II	R
464	220	ANOOPUR - KOTMIKALA CKT - I	5/Jan/16	10:00	5/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
465	400	HVDC CKT-1 Bay@ Chandrapur	5-Jan-16	8:00	5-Jan-16	19:00	Daily	For measurement of Breaker CRM Work & Hot Spot Attending Work.	MSETCL	MSETCL	
466	400	Chandrapur Parali Circuit - III	5-Jan-16	8:00	5-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT III	MSETCL	MSETCL	
467	400	Kasor - Chorania	5/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
468	220	Ichhapore-Kawas-1	5/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
469	220	Vapi - Vapi (PG)	5/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
470	400	DGEN Unit-53 (Bay 410) and Transfer Bus	05/01/2016	8:00	06/01/2016	18:00	continuous	Preventive maintenance of CB, Isolator C & Isolator D , LA,CT,EMVT and CRP Panel	DGEN	DGEN	
471	400	DGEN-Navsari line 1&2 (406 and 405 Bay) Auto Reclosure Blocking at both the End.	05/01/2016	9:00	05/01/2016	18:00	Daily	For PID Testing of Porcelain Insulators at 140M Transmission Tower(110, 111) & Anchor Tower(109, 112) at Narmada River Crossing.	DGEN	DGEN	
472	400	10C03A BAY (Main bay of Pole1) at Mundra HVDC	05-Jan-16	9:00	05-Jan-16	18:00	Daily	1 no of 400 CT replacment work	ATIL	ATIL	R
473	400	400 KV BUS-1 at Akola-II SS	05-Jan-16	8:00	05-Jan-16	18:00	Daily	400 KV Bus-1 CVT, 404 89A, 407 89A, 410 89A Annual Maintenance of Bus equipments	MEGPTCL	MEGPTCL	R
474	400	Bus Reactor # 2 Tie Bay at Itarsi	6-Jan-16	9:00	6-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
475	765	Gwalior-3 Main Bay at Bina	6-Jan-16	9:00	7-Jan-16	18:00	Daily	AMP WORK TAN DELTA & DEW POINT	PGCIL	WR-II	R
476	220	Kawas-Dastan #2	6-Jan-16	6:00	7-Jan-16	18:00	Daily	Shutdown for Jumper replacement work.	PGCIL	WR-II	R
477	400	Indore-Itarsi line II	6-Jan-16	10:00	6-Jan-16	11:00	Daily	for AMP of Line reactor at MPPTCL.Indore. Line will be charged after isolation of reactor	PGCIL	WR-II	R
478	400	400 KV Jabalpur-Jabalpur # 2 Main Bay (427) at Jabalpur SS	6-Jan-16	10:00	6-Jan-16	18:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
479	400	407 (R'pura 1 Main Bay) at Bhachau	6-Jan-16	8:00	10-Jan-16	18:00	Daily	FOR AMP Works of Bay Equipments	PGCIL	WR-II	R
480	220	Tarapur Boisar Line	6-Jan-16	9:00	6-Jan-16	18:00	Daily	Replacement of porcelain disc insulator strings with polymer in balance portion of line to prevent undesirable tripping of line due to pollution.	PGCIL	WR-II	C
481	765	765kV Bus-2 at Jabalpur Pooling Station	6-Jan-16	9:00	6-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
482	400	ICT-1 MAIN BAY (403) AT PIRANA S/S	6-Jan-16	10:00	6-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
483	220	204 TBC at Vapi	6-Jan-16	09:00	7-Jan-16	20:00	Cont.	CB Overhauling and Bay AMP	PGCIL	WR-II	R
484	765	765KV Bus Reactor, Vindhyachal Pooling SS	6-Jan-16	10:00	6-Jan-16	19:00	Daily	Spare Reactor testing	PGCIL	WR-II	C

**TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016**

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
485	400	Bhachau-Ranchodpura Ckt# 1&2 (Both the circuits)	6-Jan-16	8:00	7-Jan-16	18:00	Daily	To make Diamond formation of Earth wire at Essar-Bhachau Power line crossing of existing Bhachau-Ranchodpura line between Tower No. 15 &16	PGCIL	WR-II	C
486	400	Satna-JP Line #1 Main Bay (401 Bay) at Satna S/S	6-Jan-16	9:00	6-Jan-16	18:00	Daily	For attending DCRM problem at Satna S/S.	PGCIL	WR-II	R
487	400	400kV Bus # 2 at Wardha	6-Jan-16	9:00	7-Jan-16	18:00	Daily	Extension of Bus for 400 KV Abad Bays	WRTS-I	WRTS-I	R
488	765	Seoni - Bilaspur - II Line	6-Jan-16	8:00	6-Jan-16	18:00	Daily	Line AMP works	WRTS-I	WRTS-I	R
489	400	418 Bay Main bay of 400 Kv Kolhapur Line at Solapur	6-Jan-16	9:00	6-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
490	220	201 Bay (ICT# 1 220KV Side Bay) at Pune (Talegaon)	6-Jan-16	9:30	6-Jan-16	17:00	Daily	AMP	WRTS-I	WRTS-I	R
491	220	Mapusa-Thivim Line-I	6-Jan-16	9:00	6-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
492	HVDC	HVDC CWC -33 filter (South Side Pole I ) at Bhadrawati	6-Jan-16	9:00	6-Jan-16	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
493	765	765 KV Wardha Durg # 1 Main 718 Bay at Wardha	6-Jan-16	9:00	6-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
494	400	Bus Reactor at Aurangabad	06-Jan-16	9:00	06-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
495	220	Bus 1 at Raipur SS	6-Jan-16	9:00	6-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
496	400	Main Bay 416 Raigarh-Sterlite Ckt # 1 at Raigarh S/S	6-Jan-16	10:00	6-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
497	765	Bus-II at Korba S/S	6-Jan-16	8:00	6-Jan-16	18:00	Daily	Extn works-Jharsuguda #03 & 04 BPI erection under BUS.	WRTS-I	WRTS-I-C	C
498	765	Bus # 2 at Durg PS	6-Jan-16	9:00	7-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
499	765	Bilaspur-Seoni Ckt # 1	6-Jan-16	8:00	6-Jan-16	0:00	Daily	Refixing of open quad spacer	WRTS-I	WRTS-I-C	R
500	400	ICT#2 Main Bay(404) at Bilaspur S/S	6-Jan-16	8:00	6-Jan-16	16:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
501	765	Main Bay of 765/400 kV AT# 2 (Bay no:720) at Kotra PS	6-Jan-16	9:00	6-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
502	400	400 KV BUS-2	6-Jan-16	9:00	6-Jan-16	18:00	Daily	Maintenance of Bus Isolator 413-89B of ICT-2.	TPL-SUGER	TPL-SUGER	
503	220	Kawas-Ichapore#1	6-Jan-16	9:00	6-Jan-16	18:00	Continuou s	AIE COMPRESSOR SERVICING	NTPC	NTPC	
504	220	MALANPUR - AURAIYA CKT	6/Jan/16	9:00	7/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
505	400	Parli Ckt-II(bay 412) at 400KV Chandrapur-II s/s	06-Jan-16	10:00	06-Jan-16	18:00	Daily	Relay testing work & allied bay maintenance work	MSETCL	MSETCL	
506	400	Chandrapur Parali Circuit - II	06-Jan-16	8:00	06-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT II	MSETCL	MSETCL	
507	400	Chakan-Lonikand	6-Jan-16	7:00	19-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	
508	400	Kasor-SSP	6/Jan/16	8:00	7/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
509	220	Bhat - Pirana (PG) - 1	6/Jan/16	8:00	6/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
510	400	DGEN-Navsari line 1&2 (406 and 405 Bay) Auto Reclosure Blocking at both the End.	06/01/2016	9:00	06/01/2016	18:00	Daily	For PID Testing of Porcelain Insulators at 140M Transmission Tower(110, 111) & Anchor Tower(109, 112) at Narmada River Crossing.	DGEN	DGEN	
511	400	10C03C BAY (Tie bay of Pole1) at Mundra HVDC	06-Jan-16	9:00	06-Jan-16	18:00	Daily	1 no of 400 CT replacment work	ATIL	ATIL	R
512	765	Bay-707 at Koradi III SS	06-Jan-16	8:00	06-Jan-16	18:00	Daily	For Annual Maintenamce of bay equipment	MEGPTCL	MEGPTCL	R
513	220	Kakrapar - Vapi Ckt.1	7-Jan-16	7:00	10-Jan-16	18:00	Daily	Replacement of all procelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy polution.	PGCIL	WR-II	C
514	400	Bus Reactor # 1 Main Bay at Itarsi	7-Jan-16	9:00	7-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
515	400	Indore-Asoj line I	7-Jan-16	10:00	7-Jan-16	11:00	Daily	for AMP of Line reactor at MPPTCL.Indore. Line will be charged after isolation of reactor	PGCIL	WR-II	R
516	400	400 KV Jabalpur-Jabalpur # 2 Tie Bay (426) at Jabalpur SS	7-Jan-16	10:00	7-Jan-16	18:00	Daily	AMP OF BAY EQUIPMENTS	PGCIL	WR-II	R
517	400	410 (R'pura 2 Main Bay) at Bhachau	7-Jan-16	8:00	11-Jan-16	18:00	Daily	FOR AMP Works of Bay Equipments	PGCIL	WR-II	R
518	400	408 Bay - Tie Bay of Boisar Padghe Line and 315 MVA ICT I at Boisar	7-Jan-16	9:00	9-Jan-16	18:00	Daily	Overhauling of Pneumatice Drive of all three poles of circuit Breaker.	PGCIL	WR-II	R



**TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016**

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
519	765	765kV Bus Reactor # 2 Main bay (804 bay) at Jabalpur Pooling Station	7-Jan-16	9:00	7-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
520	400	125 MVAR BUS REACTOR TIE BAY (411) AT PIRANA S/S	7-Jan-16	10:00	7-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
521	220	Transfer Bus Bay (205) at Shujalpur S/s.	7-Jan-16	10:00	7-Jan-16	14:00	Daily	For AMP work	PGCIL	WR-II	R
522	765	Vindhychal - Satna-II only line reactor(Line will be in service)at Vindhychal pooling SS	7-Jan-16	10:00	7-Jan-16	19:00	Daily	Spare Reactor testing	PGCIL	WR-II	C
523	765	Sasan-Satna#2 Line	7-Jan-16	9:00	7-Jan-16	18:00	Daily	For Annula Maintenanace work of Line & Line Terminal Equipment & taking Spare Reactor into service at Satna S/S.	PGCIL	WR-II	C
524	400	Boisar-1 Tie Bay 429 at Aurangabad	07-Jan-16	9:00	07-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
525	765	765 KV Wardha Durg # 1 Tie 717 Bay at Wardha	7-Jan-16	9:00	7-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
526	765	765/400 Kv ICT # II Main bay at Pune GIS	7-Jan-16	10:00	7-Jan-16	18:00	Daily	AMP	WRTS-I	WRTS-I	R
527	HVDC	HVDC CWC -34 filter (South Side Pole I at Bhadrawati	7-Jan-16	9:00	7-Jan-16	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
528	220	Mapusa-Thivim Line-II	7-Jan-16	9:00	7-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
529	220	202 Bay (220KV Talegaon MSETCL Line # 1) at Pune (Talegaon)	7-Jan-16	9:30	7-Jan-16	13:30	Daily	AMP	WRTS-1	WRTS-I	R
530	220	BAY 205 TBC bay at Solapur	7-Jan-16	9:00	7-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
531	765	Seoni- Bina (Tie bay 726) at Seoni	7-Jan-16	8:00	7-Jan-16	14:00	Daily	DGA sampling of CT	WRTS-I	WRTS-I	R
532	765	Seoni- Bina (Main bay 727) at Seoni	7-Jan-16	14:00	7-Jan-16	18:00	Daily	DGA sampling of CT	WRTS-I	WRTS-I	R
533	400	ICT-2 Tie at Raipur SS	7-Jan-16	9:00	9-Jan-16	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
534	400	Raipur -Tamnar Ckt # 1	7-Jan-16	9:00	7-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
535	400	Tie Bay 417 Raigarh-Sterlite Ckt # 1 & Future Bay # 2 at Raigarh S/S	7-Jan-16	10:00	7-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
536	400	Korba-Raipur Ckt # 3 & 4	7-Jan-16	8:00	9-Jan-16	0:00	Daily	Non A/R mode of TL for Additional Earthing works	WRTS-I	WRTS-I-CG	
537	400	Main Bay of 765/400 kV AT# 3 (Bay no:419) at Kotra PS	7-Jan-16	10:00	7-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
538	400	400 KV BUS-2	7-Jan-16	9:00	7-Jan-16	18:00	Daily	Maintenance of Bus Isolator 414-89B of ICT-3.	TPL-SUGER	TPL-SUGER	R
539	400	Sipat - Raipur 3 Main bay no 4	7-Jan-16	7:30	8-Jan-16	19:00	Continuous	ANNUAL PM (Line S/D not required, Line will remain charge through Tie bay.)	NTPC &PGCIL	NTPC & PGCIL	
540	220	Kawas-Ichapore#2	7-Jan-16	9:00	7-Jan-16	18:00	Continuous	AIE COMPRESSOR SERVICING	NTPC	NTPC	
541	400	INDORE- NAGDA CkT	7/Jan/16	9:00	7/Jan/16	16:00	daily	ON DAILY BASIS FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R
542	400	Chandrapur Parali Circuit - III	07-Jan-16	8:00	07-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT III	MSETCL	MSETCL	
543	220	Vapi - TAPS	7/Jan/16	8:00	7/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
544	200	Bhat - Pirana (PG) - 2	7/Jan/16	8:00	7/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
545	400	DGEN-Navsari line 1&2 (406 and 405 Bay) Auto Reclosure Blocking at both the End.	07/01/2016	9:00	07/01/2016	18:00	Daily	For PID Testing of Porcelain Insulators at 140M Transmission Tower(110, 111) & Anchor Tower(109, 112) at Narmada River Crossing.	DGEN	DGEN	
546	400	10C02B BAY (Tie bay of Pole2) at Mundra HVDC	07-Jan-16	9:00	07-Jan-16	18:00	Daily	1 no of 400 CT replacenment work	ATIL	ATIL	R
547	400	400 KV BUS-2 at Akola-II SS	07-Jan-16	8:00	07-Jan-16	18:00	Daily	For Annual Maintenamce of bay equipment	MEGPTCL	MEGPTCL	R
548	400	Bus Reactor # 1 Tie Bay at Itarsi	8-Jan-16	9:00	8-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
549	765	Jabalpur-1 Main Bay at Bina	8-Jan-16	9:00	9-Jan-16	18:00	Daily	AMP WORK TAN DELTA & DEW POINT	PGCIL	WR-II	R
550	220	Dastan-Navsari #1	8-Jan-16	6:00	9-Jan-16	18:00	Daily	Shutdown for Jumper replacement work.	PGCIL	WR-II	R
551	400	Indore-Asoj line II	8-Jan-16	10:00	8-Jan-16	11:00	Daily	for AMP of Line reactor at MPPTCL.Indore. Line will be charged after isolation of reactor	PGCIL	WR-II	R
552	400	400 KV Jabalpur-ITARSI # 2 Line at Jabalpur SS	8-Jan-16	10:00	8-Jan-16	18:00	Daily	AMP OF TERMINAL EQUIPMENTS	PGCIL	WR-II	R
553	400	Bhachau-Varsana ckt 1	8-Jan-16	8:00	8-Jan-16	18:00	Daily	FOR AMP Works of Terminal Equipments	PGCIL	WR-II	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
554	400	Tarapur Padghe Line 2	8-Jan-16	9:00	8-Jan-16	18:00	Daily	Replacement of porcelain disc insulator strings with polymer in balance portion of line to prevent undesirable tripping of line due to pollution.	PGCIL	WR-II	C
555	765	765kV Jabalpur-Dharamjaygarh # 3 Main bay (813 Bay) at Jabalpur Pooling Station	8-Jan-16	9:00	8-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
556	400	NAGDA-DEHGAM-2 MAIN BAY -410 AT PIRANA S/S	8-Jan-16	10:00	8-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
557	220	Bus Coupler Bay ( 207 ) at Shujalpur S/s.	8-Jan-16	10:00	8-Jan-16	14:00	Daily	For AMP work	PGCIL	WR-II	R
558	220	214 Khadoli Main Bay at Vapi	8-Jan-16	09:00	8-Jan-16	17:00	Daily	For AMP work	PGCIL	WR-II	R
559	765	Vindhyachal - Satna-I line reactor	8-Jan-16	10:00	8-Jan-16	19:00	Daily	Spare Reactor testing. (Line will be in service without LR) Vindhyachal Pooling SS	PGCIL	WR-II	C
560	400	Bus # 1 at Satna S/S	8-Jan-16	9:00	9-Jan-16	18:00	Daily	For Annula Maintenancace work at Satna S/S.	PGCIL	WR-II	R
561	400	Aurangabad(PG)- Aurangabad(MSETCL) # I	08-Jan-16	8:00	09-Jan-16	18:00	Conti.	Replacement of HCB isolator, Clamps, connectors, Al.Pipe and jumpers under up gradation work at MSETCL Waluj S/S.	WRTS-I	WRTS-I	R
562	400	Aurangabad-Pune # 1	08-Jan-16	8:00	09-Jan-16	18:00	Conti.	Attending problem of TBC isolator, changing of clamps & connectors and AMP works at MSETCL Waluj S/S.	WRTMPL / MSETCL	WRTS-I	R
563	765	765 KV Wardha Durg # 2 Tie 714 Bay at Wardha	8-Jan-16	9:00	8-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
564	400	(401 BAY ) 400 Kv B/R Main bay at Solapur	8-Jan-16	9:00	8-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	R
565	765	Seoni- Wardha-I Line	8-Jan-16	8:00	8-Jan-16	18:00	Daily	Line AMP works	WRTS-I	WRTS-I	R
566	765	Seoni- Wardha-I LR at Seoni end	8-Jan-16	8:00	09-Jan-16	18:00	Cont	Reactor breaker AMP	WRTS-I	WRTS-I	R
567	220	207 Bay (220KV Talegaon MSETCL Line # 2) at Pune (Talegaon)	8-Jan-16	9:30	8-Jan-16	13:30	Daily	AMP	WRTS-1	WRTS-I	R
568	400/22	315MVA ICT # 1 at Mapusa	8-Jan-16	9:00	8-Jan-16	17:00	Daily	AMP of ICT	WRTS-1	WRTS-I	R
569	HVDC	DIA 50 Q50 Ramagundam -2 & CWE-5 filter bus at Bhadrawati	8-Jan-16	9:00	8-Jan-16	18:00	Daily	Yearly Amp works	MSETCL	WRTS-I	R
570	220	D/C Aurangabad - Bhableshtar	08-Jan-16	07:00	09-Jan-16	18:00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	C
571	400	400 kv Bus 4 at Raipur SS	8-Jan-16	9:00	8-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
572	400	Main Bay 418 Future Bay-2 at Raigarh S/S	8-Jan-16	10:00	8-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
573	765	AT # 1 Tie Bay 431 at Kotra PS	8-Jan-16	10:00	8-Jan-16	11:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
574	400	Kotra - DB Power # 1 Main Bay 432 at Kotra PS	8-Jan-16	11:00	8-Jan-16	12:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
575	765	AT # 2 Tie Bay 719 at Kotra PS	8-Jan-16	12:00	8-Jan-16	13:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
576	765	AT # 2 Main Bay 720 at Kotra PS	8-Jan-16	15:00	8-Jan-16	16:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
577	765	Kotra - Durg Ckt # 2 Main Bay 713 at Kotra PS	8-Jan-16	16:00	8-Jan-16	17:00	Daily	NTAMC Operation checking	WRTS-I	WRTS-I-C	C
578	400	400 KV BUS-1	8-Jan-16	9:00	8-Jan-16	18:00	Daily	Maintenance of Bus Isolator 410-89A. of SUGEN Unit 30.	TPL-SUGEN	TPL-SUGEN	R
579	220	ANOOPUR - KOTMIKALA CKT - II	8/Jan/16	10:00	8/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
580	400	Waluj -Aurangabad(PG)-1	08-Jan-16	9:30	08-Jan-16	17:00	Daily	Alternate load arrangement is available on 400kv Bhuswal,BBLR , APG 2,Deepnagar-II	MSETCL	MSETCL	
581	400	Chandrapur Parali Circuit - II	08-Jan-16	8:00	08-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT II	MSETCL	MSETCL	
582	400	10C01B BAY (Tie bay of filter 1 and 2) at Mundra HVDC	08-Jan-16	9:00	08-Jan-16	18:00	Daily	1 no of 400 CT replacemnt work	ATIL	ATIL	R
583	400	Bay-401 at Koradi III SS	08-Jan-16	8:00	08-Jan-16	18:00	Daily	For Annual Maintenancce of bay equipment	MEGPTCL	MEGPTCL	R
584	400	ISP-Indore ckt-I(DCDS) line	9-Jan-16	9:00	9-Jan-16	18:00	Daily	For new 400KV Khandwa Indore line crossing work	MPPTCL	WR-II	C
585	400	Bhachau-Varsana ckt 2	9-Jan-16	8:00	9-Jan-16	18:00	Daily	FOR AMP Works of Terminal Equipments	PGCIL	WR-II	R
586	765	765kV Jabalpur-Dharamjaygarh # 4 Main bay (816 Bay) at Jabalpur Pooling Station	9-Jan-16	9:00	9-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
587	400	DEHGAM-PIRANA-1 MAIN BAY (404) AT PIRANA S/S	9-Jan-16	10:00	9-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
588	765	765KV Bus Reactor (only main bay 710) at Vindhyachal Pooling SS	9-Jan-16	14:00	9-Jan-16	19:00	Daily	For CSD testing	PGCIL	WR-II	C

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
589	765	Solapur Line Main bay at Pune GIS	9-Jan-16	10:00	9-Jan-16	18:00	Daily	AMP	WRTS-I	WRTS-I	R
590	400	400KV Bus Reactor at Solapur	9-Jan-16	9:00	9-Jan-16	18:00	Daily	CSD Commissioning	WRTS-I	WRTS-I	R
591	765/400	ICT# 1 At Solapur SS	9-Jan-16	9:00	9-Jan-16	18:00	Daily	Variable Frequency testing	WRTS-I	WRTS-I	C
592	400	Akola 2 main bay at Wardha	09-Jan-16	8:00	09-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
593	400	Chandrapur Parali Circuit - III	09-Jan-16	8:00	09-Jan-16	18:00	Daily	Fixing and replacement of broken Spacer cum vibration dampers of Chandrapur-Parali CKT III	MSETCL	MSETCL	
594	220	Dastan-Navsari #2	10-Jan-16	6:00	11-Jan-16	18:00	Daily	Shutdown for Jumper replacement work.	PGCIL	WR-II	R
595	400	401 (Mundra 2 Main Bay) at Bhachau	10-Jan-16	8:00	10-Jan-16	18:00	Daily	FOR AMP Works of Bay Equipments	PGCIL	WR-II	R
596	400	Akola 2 & B/R Tie bay at Wardha	10-Jan-16	8:00	10-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
597	765	Seoni- Bina Line with LR at Seoni end	10-Jan-16	8:00	10-Jan-16	18:00	Daily	Line AMP works & Reactor AMP	WRTS-II	WRTS-I	R
598	220	Kakrapar - Vapi Ckt.2	11-Jan-16	7:00	14-Jan-16	18:00	Daily	Replacement of all procelain disc insulator strings with composite polymer insulators in entire line to prevent tripping due to heavy pollution.	PGCIL	WR-II	C
599	400	Itarsi - Satpura Line	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Retrofitting of PLCC at both ends	PGCIL	WR-II	C
600	765	Jabalpur-1 & Jabalpur-3 Tie Bay at Bina	11-Jan-16	9:00	11-Jan-16	18:00	Daily	AMP WORK TAN DELTA & DEW POINT	PGCIL	WR-II	R
601	220	Navsari- Navsari I	11-Jan-16	09:00	13-Jan-16	18:00	Cont.	Drive Overhauling of circuit breaker	GETCO	WR-II	R
602	400	ISP-Indore ckt-II(SC) line	11-Jan-16	09:00	11-Jan-16	18:00	Daily	For new 400KV Khandwa Indore line crossing work	MPPTCL	WR-II	C
603	400	404 (Mundra 1 Main Bay) at Bhachau	11-Jan-16	8:00	11-Jan-16	18:00	Daily	FOR AMP Works of Bay Equipments	PGCIL	WR-II	R
604	400	409 Bay - Main Bay of 315 MVA ICT 1 at Boisar	11-Jan-16	9:00	13-Jan-16	18:00	Daily	Overhauling of Pneumatice Drive of all three poles of circuit Breaker.	PGCIL	WR-II	R
605	765	765kV Jabalpur-Bina # 3 Terminal Equipment at Jabalpur Pooling Station	11-Jan-16	9:00	11-Jan-16	18:00	Daily	For AMP work	Sterlite	WR-II	R
606	400	DEHGAM-PIRANA-1 TIE BAY (405) AT PIRANA S/S	11-Jan-16	10:00	11-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
607	220	215 Sayali Main Bay at Vapi	11-Jan-16	9:00	11-Jan-16	17:00	Daily	For AMP work	PGCIL	WR-II	R
608	400	BUS-I at Vindhyachal Pooling SS	11-Jan-16	10:00	12-Jan-16	19:00	Daily	Jumperring with future bay isolator	PGCIL	WR-II	C
609	400	Bus # 2 at Satna S/S	11-Jan-16	9:00	12-Jan-16	18:00	Daily	For Annula Maintenanace work at Satna S/S.	PGCIL	WR-II	R
610	400	Aurangabad(PG)- Aurangabad(MSETCL) # 2	11-Jan-16	8:00	12-Jan-16	18:00	Conti.	Replacement of HCB isolator, CTs, Clamps, connectors, AI.Pipe and jumpers under up gradation work at MSETCL Waluj S/S.	WRTS-I	WRTS-I	R
611	400	Aurangabad-Pune # 2	11-Jan-16	8:00	12-Jan-16	18:00	Conti.	Attending problem of TBC isolator, changing of clamps & connectors and AMP works at MSETCL Waluj S/S.	WRTMPL / MSETCL	WRTS-I	R
612	765	B/R Main bay at Pune GIS	11-Jan-16	10:00	11-Jan-16	18:00	Daily	AMP	WRTS-I	WRTS-I	R
613	400	B/R main bay at Wardha	11-Jan-16	8:00	11-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
614	132	D/C Gangapur - Vaijapur	11-Jan-16	07.00	12-Jan-16	18.00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	C
615	400	Kolhapur-II main bay (407 Bay) at Mapusa	11-Jan-16	9:00	16-Jan-16	18:00	Cont.	Complete OH of CB + AMP of Bay	WRTS-1	WRTS-I	R
616	HVDC	DIA 50 Q51 main bay CWE-51 ( Pole 2 South side filter bus) at Bhadrawati	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
617	765/400	ICT# 2 At Solapur SS	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Variable Frequency testing	WRTS-I	WRTS-I	R
618	400	400 KV Akola-Aurangabad # 2	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Variable frequency tan delta measurement of Bushings	WRTS-I	WRTS-I	R
619	765	765 KV Wardha Aurangabad # 1 Line	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Illumination work	WRTS-I	WRTS-I	C
620	220	Urla Bay(20452) at Raipur SS	11-Jan-16	9:00	13-Jan-16	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
621	400	315 MVA ICT 2 at Raipur SS	11-Jan-16	9:00	11-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
622	400	315 MVA ICT # 1 at Raigarh S/S	11-Jan-16	10:00	11-Jan-16	16:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
623	765	Jharsuguda 1 Line Reator at Korba PS	11-Jan-16	8:00	11-Jan-16	18:00	Daily	NGR Bypass work	WRTS-I	WRTS-I-C	C
624	765	Line Reactor of Kotra # 1 813R at Durg PS	11-Jan-16	9:00	12-Jan-16	17:00	Continuous	AMP 2015-16	WRTS-I	WRTS-I-C	R
625	400	Korba-Birsinghpur Ckt # 1 & 2	11-Jan-16	8:00	12-Jan-16	0:00	Daily	Non A/R mode of TL for Additional Earthing works	WRTS-I	WRTS-I-CG	
626	400	ICT#2 Tie Bay(405) at Bilaspur S/S	11-Jan-16	8:00	11-Jan-16	16:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
627	765	Kotra - Durg Ckt # 1 Main Bay 718 at Kotra PS	11-Jan-16	9:00	11-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
628	400	Solapur-Kolhapur Circuit-1 & Circuit-2	11-Jan-16	8:00	14-Jan-16	18:00	Continuio us	Rectification work	WRTMPL	WRTMPL	C
629	400	400 KV BUS-1	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Maintenance of Bus Isolator 405-89A of SUGEN - PIRANA Line.	TPL-SUGE	TPL-SUGE	R
630	220	ANOOPUR - KOTMIKALA CKT - I	11/Jan/16	10:00	11/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
631	400	Akola-Nandgaonpeth	11-Jan-16	10:00	13-Jan-16	18:00	Daily	PID testing of insulator strings by Hot line Uint Akola A/R shall be kept in non auto mode	MSETCL	MSETCL	
632	400	400KV Karad- NEW KOYANA-I	11-Jan-16	10:00	11-Jan-16	17:00	Daily	Qurtly. Maint. work	MSETCL	MSETCL	
633	400	CGPL-Bachau Line-1	11-Jan-16	6:00 AM	11-Jan-16	06:00PM		Isolator 428 L Modification work	PGCIL	CGPL	
634	765	Line Reactor of Akola II- Aurangabad Line-2 at Akola-II SS	11-Jan-16	8:00	11-Jan-16	18:00	Daily	Annual Maintenance and Testing Reactor	MEGPTCL	MEGPTCL	R
635	400	Bay-402 at Koradi III SS	11-Jan-16	8:00	11-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
636	765	Jabalpur-1 & Jabalpur-3 Tie Bay at Bina	12-Jan-16	9:00	12-Jan-16	18:00	Daily	AMP WORK CB DCRM AND TIMING	PGCIL	WR-II	R
637	220	Kawas - Haldarwa #1&2	12-Jan-16	6:00	13-Jan-16	18:00	Daily	Shutdown for OPGW installation alongwith 220kV Icchapur-Essar & Icchapur Relaince Link.	PGCIL	WR-II	C
638	400	Main bay of Indore-itarsi ckt#II at MPPTCL, Indore	12-Jan-16	10:00	12-Jan-16	11:00	Daily	amp of bay equipment line will be charged through transfer bay	PGCIL	WR-II	R
639	400	413 (Varsana 2 Main Bay) at Bhachau	12-Jan-16	8:00	12-Jan-16	18:00	Daily	FOR AMP Works of Bay Equipments	PGCIL	WR-II	R
640	765	765kV Jabalpur-Bhopal # 1	12-Jan-16	9:00	12-Jan-16	18:00	Daily	For AMP work of terminal equipment at Jabalpur end	Sterlite	WR-II	R
641	220	BUS-1 AT DEHGAM S/S	12-Jan-16	10:00	25-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
642	220	211 Kharadpada-1 Main Bay at Vapi	12-Jan-16	9:00	12-Jan-16	17:00	Daily	For AMP work	PGCIL	WR-II	R
643	400	400 KV Akola-Aurangabad # 1	12-Jan-16	9:00	12-Jan-16	18:00	Daily	Variable frequency tan delta measurement of Bushings	WRTS-I	WRTS-I	R
644	765	765/400 Kv ICT I and B/R Tie bay at Pune GIS	12-Jan-16	10:00	12-Jan-16	18:00	Daily	AMP	WRTS-I	WRTS-I	R
645	765	Pune Line Reactor at Solapur SS	12-Jan-16	9:00	12-Jan-16	18:00	Daily	Variable Frequency testing	WRTS-I	WRTS-I	R
646	400	Akola 1 main bay at Wardha	12-Jan-16	8:00	12-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
647	HVDC	DIA 50 Q52 (400 Kv Ramagundam -2 main bay) at Bhadrawati	12-Jan-16	9:00	12-Jan-16	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	c
648	400	125 MVAR Bus reactor at Seoni	12-Jan-16	8:00	12-Jan-16	14:00	Daily	Bushing DGA sampling	WRTS-I	WRTS-I	R
649	765	Seoni- Wardha-I (Tie bay 720) at Seoni	12-Jan-16	14:00	12-Jan-16	18:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
650	400	315 MVA ICT 3 at Raipur SS	12-Jan-16	9:00	12-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
651	765	Jharsuguda 2 Line Reator at Korba PS	12-Jan-16	8:00	12-Jan-16	18:00	Daily	NGR Bypass work	WRTS-I	WRTS-I-C	C
652	765	Kotra - Durg Ckt # 1 Main Bay 718 at Kotra PS	12-Jan-16	9:00	12-Jan-16	18:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
653	400	400 KV BUS-1	12-Jan-16	9:00	12-Jan-16	18:00	Daily	Maintenance of Bus Isolator 406-89A of SUGEN - JHANOR Line.	TPL-SUGE	TPL-SUGE	R
654	400	Sipat -Korba Main bay no 6	12-Jan-16	7:30	13-Jan-16	19:00	Continuous	ANNUAL PM (Line S/D not required, Line will remain charge through Tie bay.)	NTPC &PGCIL	NTPC & PGCIL	
655	400	RAJGARH (PGCIL )- SSPCKT I	12/Jan/16	9:00	12/Jan/16	16:00	daily	MAINTENANCE WORK	PGCIL/M PPTCL	WR - II	R
656	400	New Koyna – Karad II	12-Jan-16	8:30	12-Jan-16	17:30	Daily	Routine Maintenance Work	MSETCL	MSETCL	
657	400	413 Main Bay Nandgaon peth ckt	12-Jan-16	8:00	16-Jan-16	18:00	Continuou s	CB No 41352 overhauling and Routine maintenance work	MSETCL	MSETCL	
658	220	Bhilad - Vapi (PG) - 1	12/Jan/16	8:00	12/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
659	400	EMCO -BHADRAWATI LINE 2	12-Jan-16	9:00	13-Jan-16	18:00	Daily	Line maintenance	EMCO	EMCO	
660	400	CGPL-Bachau Line-1	12-Jan-16	6:00 AM	12-Jan-16	06:00PM		Isolator 428 L Modification work	PGCIL	CGPL	
661	765	Line Reactor of Akola II- Aurangabad Line-1 at Akola-II SS	12-Jan-16	8:00	12-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
662	765	Jabalpur-3 Main Bay at Bina	13-Jan-16	9:00	13-Jan-16	18:00	Daily	AMP WORK TAN DELTA & DEW POINT	PGCIL	WR-II	R
663	400	Main bay of Indore-itarsi ckt#I at MPPTCL, Indore	13-Jan-16	10:00	13-Jan-16	11:00	Daily	amp of bay equipment line will be charged through transfer bay	PGCIL	WR-II	R
664	400	416 (Varsana 1 Main Bay) at Bhachau	13-Jan-16	8:00	13-Jan-16	18:00	Daily	FOR AMP Works of Bay Equipments	PGCIL	WR-II	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
665	765	765kV ICT # 1 Main bay (803 Bay) at Jabalpur Pooling Station	13-Jan-16	9:00	13-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
666	220	212 Kharadpada-2 Main Bay at Vapi	13-Jan-16	9:00	13-Jan-16	17:00	Daily	For AMP work	PGCIL	WR-II	R
667	220	Bus#1 at Satna S/S	13-Jan-16	9:00	14-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
668	765	765 KV Wardha Durg 1 Line	13-Jan-16	9:00	14-Jan-16	18:00	Cont.	Rectification of jumpering and balance Fire fighting work	WRTS-I	WRTS-I	C
669	765	765/400 KV AT-1 at Seoni	13-Jan-16	8:00	14-Jan-16	18:00	Daily	Variable frequency tan delta test of bushing	WRTS-I	WRTS-I	R
670	765	765/400 Kv ICT II and Solapur Tie bay at Pune GIS	13-Jan-16	10:00	13-Jan-16	18:00	Daily	AMP	WRTS-I	WRTS-I	R
671	400/220	ICT#1 At Solapur SS	13-Jan-16	9:00	13-Jan-16	18:00	Daily	AMP works	WRTS-I	WRTS-I	C
672	400/220	ICT 1 at Bhadrawati	13-Jan-16	9:00	13-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
673	400	Akola 1 & ICT 1 Tie bay at Wardha	13-Jan-16	8:00	13-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
674	400	400 KV Koradi - Bhalai Line	13-Jan-16	9:00	13-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
675	400	Boisar-1 Main Bay 430 at Aurangabad	13-Jan-16	9:00	13-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
676	400	Raipur-2 Reactor at Bhadrawati	13-Jan-16	9:00	13-Jan-16	18:00	Daily	Testing of BHEL bushing tan delta on different frequencies	WRTS-I	WRTS-I	c
677	400	Raipur- Raigarh Ckt # 1	13-Jan-16	9:00	13-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
678	400	315 MVA ICT # 2 at Raigarh S/S	13-Jan-16	10:00	13-Jan-16	16:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
679	765	Seoni-1 Switchable Line Reactor at Bilaspur S/S	13-Jan-16	09:00	14-Jan-16	18:00	Continuous	NGR Bypass work	WRTS-I	WRTS-I-C	C
680	400	400 KV BUS-1	13-Jan-16	9:00	13-Jan-16	13:00	Daily	Maintenance of Bus Isolator 403-89A. of SUGEN Unit 10.	TPL-SUGEN	TPL-SUGEN	R
681	400	400 KV BUS-1	13-Jan-16	13:00	13-Jan-16	18:00	Daily	Maintenance of Bus Isolator 407-89A of SUGEN - VAPI Line.	TPL-SUGEN	TPL-SUGEN	R
682	400	RAJGARH (PGCIL) - SSPCKT II	13/Jan/16	9:00	13/Jan/16	16:00	daily	MAINTENANCE WORK	PGCIL/MPTCL	WR - II	R
683	220	ANOOPUR - KOTMIKALA CKT - II	13/Jan/16	10:00	13/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
684	220	BINA (PG) - SHIVNPURI CKT	13/Jan/16	9:00	13/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
685	220	DAMOH (PG) - DAMOH - I/C - I	13/Jan/16	9:00	13/Jan/16	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
686	400	Bay-403 at Koradi III SS	13-Jan-16	8:00	13-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
687	400	Main bay of Indore-Asoj ckt#1 at MPPTCL, Indore	14-Jan-16	10:00	14-Jan-16	11:00	Daily	amp of bay equipment line will be charged through transfer bay	PGCIL	WR-II	R
688	400	410 Bay - Main Bay of Tarapur - Boisar Line 2 at Boisar	14-Jan-16	9:00	16-Jan-16	18:00	Daily	Overhauling of Pneumatic Drive of all three poles of circuit Breaker.	PGCIL	WR-II	R
689	400	Raipur-3 Reactor at Bhadrawati	14-Jan-16	9:00	14-Jan-16	18:00	Daily	Testing of BHEL bushing tan delta on different frequencies	WRTS-I	WRTS-I	c
690	400	Boisar-2 Main Bay 427 at Aurangabad	14-Jan-16	9:00	14-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
691	400	400 KV Sarni Bay at MSETCL Koradi	14-Jan-16	9:00	14-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
692	400	ICT 1 Main bay at Wardha	14-Jan-16	8:00	14-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
693	400/220	ICT# 2 At Solapur SS	14-Jan-16	9:00	14-Jan-16	18:00	Daily	AMP works	WRTS-I	WRTS-I	R
694	220	Bus Coupler Bay(20652) at Raipur SS	14-Jan-16	9:00	16-Jan-16	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
695	220	Bus 2 at Raipur SS	14-Jan-16	9:00	14-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
696	765	Durg Ckt # 2 Line Reactor at Kotra PS	14-Jan-16	9:00	15-Jan-16	18:00	Continuous	Erection, Testing and Commissioning to Breaker & LA for NGR Bypass scheme	WRTS-I	WRTS-I-C	C
697	400	Sipat Raipur-1 Tie bay no 8	14-Jan-16	7:30	15-Jan-16	19:00	Continuous	ANNUAL PM (Line S/D not required, Line will remain charge through Main bay.)	NTPC & PGCIL	NTPC & PGCIL	
698	400	ICT-II Bay@ Chandrapur	14-Jan-16	8:00	14-Jan-16	18:00	Daily	For measurement of 400KV Breaker Timing, CRM, DCRM & 220 KV CT's Tan delta & Breaker Timing, CRM, DCRM work.	MSETCL	MSETCL	
699	400	EMCO -BHADRAWATI LINE 1	14-Jan-16	9:00	15-Jan-16	18:00	Daily	Line maintenance	EMCO	EMCO	
700	400	CGPL-Bachau Line-2	14-Jan-16	6:00 AM	14-Jan-16	06:00PM		Isolator 425 L Modification work	PGCIL	CGPL	
701	765	Jabalpur-3 Main Bay at Bina	15-Jan-16	9:00	15-Jan-16	18:00	Daily	AMP WORK CB DCRM AND TIMING	PGCIL	WR-II	R
702	220	Kawas-Dastan # 1&2	15-Jan-16	6:00	16-Jan-16	18:00	Daily	Shutdown for OPGW installation alongwith 220kV Icchapur-Essar & Icchapur Reliance Link.	PGCIL	WR-II	C

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
703	400	Main bay of Indore-Asoj ckt#II at MPPTCL, Indore	15-Jan-16	10:00	15-Jan-16	11:00	Daily	amp of bay equipment line will be charged through transfer bay	PGCIL	WR-II	R
704	400	Tarapur Boisar Line 1	15-Jan-16	9:00	15-Jan-16	18:00	Daily	Replacement of porcelain disc insulator strings with polymer in balance portion of line to prevent undesirable tripping of line due to pollution.	PGCIL	WR-II	C
705	765	765kV ICT # 2 at Jabalpur Pooling Station	15-Jan-16	9:00	15-Jan-16	18:00	Daily	ICT Spare Phase Commissioning with ICT # 2 for Swapping with ICT # 2 R Phase.	PGCIL	WR-II	C
706	400	405-ICT-3 Tie Bay at Vapi	15-Jan-16	9:00	15-Jan-16	17:00	Daily	For AMP work	PGCIL	WR-II	R
707	220	Bus#2 at Satna S/S	15-Jan-16	9:00	16-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
708	400	400 KV Bhilai Bay at MSETCL Koradi	15-Jan-16	9:00	15-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
709	400	Bus Reactor at Raipur SS	15-Jan-16	9:00	15-Jan-16	17:00	Continuous	AMP 2015-16	WRTS-I	WRTS-I-C	R
710	220	Line Bay 207L of Raigarh-Budhipadar at Raigarh S/S	15-Jan-16	10:00	15-Jan-16	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
711	400	ACBIL Tie Bay (414) at Bilaspur S/S	15-Jan-16	8:00	15-Jan-16	16:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
712	220	RAJGARH(PG) - DHAR CKT	15/Jan/16	9:00	15/Jan/16	16:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
713	220	Bhilad - Vapi (PG) - 2	15/Jan/16	8:00	15/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
714	400	DGEN Bus A	15/01/2016	8:00	15/01/2016	18:00	Daily	Preventive maintenance of bay (402 & 403 bay) Isolator A & Earth Switch AE	DGEN	DGEN	
715	400	CGPL-Bachau Line-2	15-Jan-16	6:00 AM	15-Jan-16	06:00PM		Isolator 425 L Modification work	PGCIL	CGPL	
716	400	Bay-404 at Koradi III SS	15-Jan-16	8:00	15-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
717	765	Seoni Main Bay at Bina	16-Jan-16	9:00	16-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
718	765	Indore- Bina line	16-Jan-16	10:00	16-Jan-16	18:00	Daily	For spare reactor integration with bina line reactors	PGCIL	WR-II	C
719	400	125 MVar Bus Reactor at Bhachau	16-Jan-16	8:00	19-Jan-16	18:00	Daily	For replacement of B PH Bushing & Turret CT at Bhachau.	PGCIL	WR-II	R
720	765	765kV Jabalpur - Dharmjaygarh # 3 Line along with Line Reactor at Jabalpur Pooling Station	16-Jan-16	9:00	16-Jan-16	12:30	Daily	765kV Bus # 2 Spare Reactor Phase Swapping/Normalisation from 765kV Dharmjaygarh # 3 R Phase of Reactor Bank.	PGCIL	WR-II	C
721	400	404 Main Bay of Aurangabad # 1 at MSETCL Akola S/s	16-Jan-16	9:00	16-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
722	400	Bus 2 at Aurangabad(PG)	16-Jan-16		16-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
723	765	Solapur - Aurangabad Ckt - I	16-Jan-16	6:00	17-Jan-16	19:00	Daily	For defect rectification work	WRTS-I	WRTS-I	C
724	765	Bus Reactor at Solapur SS	16-Jan-16	9:00	16-Jan-16	18:00	Daily	AMP, VARIABLE FREQ TEST and MOG GASKET REPLACEMENT	WRTS-I	WRTS-I	C
725	765	Seoni- Wardha-II Line	16-Jan-16	8:00	16-Jan-16	18:00	Daily	Line AMP works	WRTS-I	WRTS-I	R
726	400	Aurangabad-2 Main bay 409 at Aurangabad (PG)	16-Jan-16	9:00	16-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	
727	220	Line Bay 208L of Raigarh-Raigarh Ckt # 3	16-Jan-16	10:00	16-Jan-16	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
728	400	DGEN-Navsari line 1(406 Bay)	16/01/2016	8:00	16/01/2016	18:00	Daily	Preventive maintenance of Isolator D, Eath Switch DE1 & DE2 and CB & For cloth cleaning of Insulators at 140M Transmission Tower at Narmada River Crossing.	DGEN	DGEN	
729	400	Bay-405 at Koradi III SS	16-Jan-16	8:00	16-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
730	400	400 KV Wardha- Parli # 2	17-Jan-16	9:00	18-Jan-16	18:00	Daily	Stringing work of broken earth wire between span 387 to 390 near Wardha	WRTS-I	WRTS-I	R
731	400	DGEN-Navsari line 2(405 Bay)	17/01/2016	9:00	17/01/2016	15:00	Daily	For cloth cleaning of Insulators at 140M Transmission Tower at Narmada River Crossing	DGEN	DGEN	
732	765	ICT-1 Main Bay at Bina	18-Jan-16	9:00	18-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
733	220	KAPP-VAV-1	18-Jan-16	9:00	20-Jan-16	18:00	Cont.	Pole overhauling of Y phase of CB at Vav GECTO end.	GETCO	WR-II	R
734	220	Kawas-Vav#1,2	18-Jan-16	6:00	19-Jan-16	18:00	Daily	Shutdown for OPGW installation alongwith 220kV Icchapur-Essar & Icchapur Relaince Link.	PGCIL	WR-II	C
735	400	Bus #I at Indore SS	18-Jan-16	10:00	18-Jan-16	18:00	Daily	For Bus Bar stability test for New bays for new Khandwa-Indore line	PGCIL	WR-II	C
736	400	400 KV Birsinghpur-Damoh # 1 Line	18-Jan-16	10:00	18-Jan-16	18:00	Daily	AMP OF TERMINAL WITH BAY EQUIPMENTS AT BIRSINGHPUR MPPTCL END	PGCIL	WR-II	R
737	400	411 Bay - Tie Bay of Boisar Vapi and Tarapur Boisar line 2 at Boisar	18-Jan-16	9:00	20-Jan-16	18:00	Daily	Overhauling of Pneumatic Drive of all three poles of circuit Breaker.	PGCIL	WR-II	R

## TRANSMISSION ELEMENTS OUTAGE PROGRAMME 20/12/2015 TO19/01/2016

SN	KV	Line / Element	From		To		Basis	Reason	System	Agency	Type
			Date	Time	Date	Time					
738	765	765kV Bus Reactor # 1 at Jabalpur Pooling Station	18-Jan-16	9:00	18-Jan-16	18:00	Daily	765kV Bus # 2 Spare Reactor Phase Commissioning with Bus Reactor # 1 R for Swapping with 765kV Bus Reactor # 1 R Phase Reactor.	PGCIL	WR-II	C
739	400	315MVA ICT#1 at Satna S/S	18-Jan-16	9:00	18-Jan-16	14:00	Daily	For Applying Insulation on Tertiary side of ICT#1 at Satna S/S.	PGCIL	WR-II	R
740	765	765 KV Wardha Durg 2 Line	18-Jan-16	9:00	19-Jan-16	18:00	Daily	Rectification of jumpering and balance Fire fighting work	WRTS-I	WRTS-I	R
741	765	Seoni- Wardha-II (Main bay 724) at Seoni	18-Jan-16	8:00	18-Jan-16	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
742	400	KOLHAPUR-SOLAPUR#2	18-Jan-16	9:00	18-Jan-16	18:00	Daily	CSD COMMISSIONING AND LINE EQUIPMENT	WRTML	WRTS-I	C
743	400	Kolhapur-II Tie bay (408 Bay) at Mapusa	18-Jan-16	9:00	23-Jan-16	18:00	Cont.	Complete OH of CB + AMP of Bay	WRTS-1	WRTS-I	R
744	765	Solapur - Aurangabad Ckt - II	18-Jan-16	6:00	19-Jan-16	19:00	Daily	For defect rectification work	WRTS-I	WRTS-I	C
745	400	405 Tie Bay of Aurangabad # 2 at MSETCL Akola S/s	18-Jan-16	9:00	18-Jan-16	18:00	Daily	AMP work	WRTS-1	WRTS-I	R
746	400	Aurangabad-1 Main bay 412 at Aurangabad (PG)	18-Jan-16	9:00	18-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
747	400	Sipat-3 Main at Raipur SS	18-Jan-16	9:00	20-Jan-16	17:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
748	765	Jabalpur-01 Line reactor at Korba PS	18-Jan-16	8:00	19-Jan-16	18:00	Continuous	CSD Commissioning/NGR Bypass work	WRTS-I	WRTS-I-C	C
749	765	Durg Ckt # 1 Line Reactor at Kotra PS	18-Jan-16	9:00	19-Jan-16	18:00	Daily	Erection, Testing and Commissioning to Breaker & LA for NGR Bypass scheme	WRTS-I	WRTS-I-C	C
750	400	400/220 KV ICT-1	18-Jan-16	9:00	18-Jan-16	18:00	Daily	ICT-1 Bay Meter Calibration, Maintenance & Offline washing	TPL-SUGER	TPL-SUGER	R
751	400	400KV Transfer Bus	18-Jan-16	9:00	18-Jan-16	18:00	Daily	Maintenance of Bus Isolator 412-89T of ICT 1.	TPL-SUGER	TPL-SUGER	R
752	220	RAJGARH(PG) - PITHAMPUR CKT - II	18/Jan/16	9:00	18/Jan/16	16:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
753	220	BADOD - KOTA CKT	18/Jan/16	9:00	18/Jan/16	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
754	400	SSP - Rajgarh - 1	18/Jan/16	8:00	19/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
755	400	DGEN Bus A and Unit-51 bay (404bay) & Generator transformer	18/01/2016	8:00	19/01/2016	18:00	continuous	Preventive maintenance of Isolator C, A, LA, CT, EMVT, WT and CRP Panel, Earth Switch & Generator transformer	DGEN	DGEN	
756	400	Bay-406 at Koradi III SS	18-Jan-16	8:00	18-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
757	765	Satna-2 Main Bay at Bina	19-Jan-16	9:00	19-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
758	400	Bus #II at Indore SS	19-Jan-16	11:00	19-Jan-16	19:00	Daily	For Bus Bar stability test for New bays for new Khandwa-Indore line	PGCIL	WR-II	C
759	400	400 KV Birsinghpur-Damoh # 2 Line	19-Jan-16	10:00	19-Jan-16	18:00	Daily	AMP OF TERMINAL WITH BAY EQUIPMENTS AT BIRSINGHPUR MPPTCL END	PGCIL	WR-II	R
760	765	765kV ICT # 1 at Jabalpur Pooling Station	19-Jan-16	9:00	19-Jan-16	18:00	Daily	ICT Spare Phase Commissioning with ICT # 1 for Swapping with ICT # 1 B Phase.	PGCIL	WR-II	C
761	400	Vindhyachal-Satna Line # 1	19-Jan-16	9:00	19-Jan-16	18:00	Daily	For Annual Maintenance work of Line & Line Terminal Equipment.	PGCIL	WR-II	R
762	400	Aurangabad-1 Tie bay 411 at Aurangabad (PG)	19-Jan-16	9:00	19-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
763	400	406 Main Bay of Aurangabad # 2 at MSETCL Akola S/s	19-Jan-16	9:00	19-Jan-16	18:00	Daily	AMP work	WRTS-1	WRTS-I	R
764	400	KOLHAPUR-SOLAPUR#1	19-Jan-16	9:00	19-Jan-16	18:00	Daily	REACTOR AMP, CSD COMMISSIONING AND LINE EQUIPMENT	WRTML	WRTS-I	C
765	765	Seoni- Wardha-II (Tie bay 723) at Seoni	19-Jan-16	8:00	20-Jan-16	18:00	Cont	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
766	765	765 KV Bus # 2 at Wardha	19-Jan-16	9:00	19-Jan-16	18:00	Daily	Extension of Bus for Durg ckt 3 & 4	WRTS-I	WRTS-I	R
767	400	Raipur- Bhilai Ckt # 1	19-Jan-16	9:00	19-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
768	400	MCCPL Tie Bay (417) at Bilaspur S/S	19-Jan-16	8:00	19-Jan-16	16:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
769	400	400/220 KV ICT-2	19-Jan-16	9:00	19-Jan-16	18:00	Daily	ICT 2 Bay Meter Calibration, Maintenance & Offline washing	TPL-SUGER	TPL-SUGER	R
770	400	400KV Transfer Bus	19-Jan-16	9:00	19-Jan-16	18:00	Daily	Maintenance of Bus Isolator 413-89T of ICT 2.	TPL-SUGER	TPL-SUGER	R
771	400	Sipat Raipur-1 Main bay no 9	19-Jan-16	7:30	20-Jan-16	19:00	Continuous	ANNUAL PM (Line S/D not required, Line will remain charge through Tie bay.)	NTPC & PGCIL	NTPC & PGCIL	
772	220	BADOD - MODAK CKT	19/Jan/16	9:00	19/Jan/16	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R

दिसम्बर 2015 और जनवरी 2016 माह के लिये अपेक्षित मांग एवं ऊर्जा की आवश्यकता

**ANTICIPATED DEMAND AND ENERGY REQUIREMENT FOR DECEMBER 2015 AND JANUARY 2016**

राज्य	State	मांग DEMAND मेगावाट (MW)		ऊर्जा की आवश्यकता ENERGY REQUIREMENT मिलियन युनिट्स (MUs)	
		दिसम्बर 2015 DECEMBER 2015	जनवरी 2016 JANUARY 2016	दिसम्बर 2015 DECEMBER 2015	जनवरी 2016 JANUARY 2016
<b>1 गुजरात</b>	<b>GUJARAT</b>				
सीमित	RESTRICTED	13000	13000	8215	8040
असीमित	UNRESTRICTED	13040	13040	8225	8050
<b>2 मध्य प्रदेश</b>	<b>MADHYA PRADESH</b>				
सीमित	RESTRICTED	10200	10300	6750	6900
असीमित	UNRESTRICTED	10200	10300	6750	6900
<b>3 छत्तीसगढ़</b>	<b>CHHATISGARH</b>				
सीमित	RESTRICTED	3575	3596	1950	1995
असीमित	UNRESTRICTED	3595	3625	1955	2000
<b>4 महाराष्ट्र</b>	<b>MAHARASHTRA</b>				
सीमित	RESTRICTED	20500	20540	11860	12000
असीमित	UNRESTRICTED	20550	20740	11910	12040
<b>5 गोवा</b>	<b>GOA</b>				
सीमित	RESTRICTED	470	465	340	345
असीमित	UNRESTRICTED	470	465	340	345
<b>6 दमन दीव</b>	<b>DD</b>				
सीमित	RESTRICTED	330	335	215	205
असीमित	UNRESTRICTED	330	335	215	205
<b>7 डी एन एच</b>	<b>DNH</b>				
सीमित	RESTRICTED	710	705	490	480
असीमित	UNRESTRICTED	710	705	490	480
<b>8 पश्चिम क्षेत्र</b>	<b>WESTERN REGION</b>				
सीमित	RESTRICTED	48500	49800	29400	29700
असीमित	UNRESTRICTED	48900	49950	29600	29850



माह नवम्बर 2015 की योजनाबद्ध बनाम वास्तविक उत्पादन एवं उपलब्धता

ACTUAL GENERATION & AVAILABILITY FOR NOVEMBER 2015

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
<b>क (A) गुजरात GUJARAT</b>						
<b>जलीय HYDRO</b>						
1.	उकई Ukai - 1			5.56	75	
	उकई Ukai - 2			6.67	75	
	उकई Ukai - 3			9.69	75	
	उकई Ukai - 4			20.98	75	
	<b>उकई Ukai (Total)</b>	<b>42</b>	<b>150</b>	<b>42.89</b>	<b>150</b>	<b>0.000</b>
2.	उकई एल बी सी एच Ukai LBCH - 1			1.05	3	
	उकई एल बी सी एच Ukai LBCH - 2			0.73	0	
	<b>उकई एल बी सी एच Ukai LBCH (Total)</b>	<b>2</b>	<b>3</b>	<b>1.78</b>	<b>4</b>	<b>0.022</b>
3.	कडाना Kadana - 1			3.67	58	0.000
	कडाना Kadana - 2			0.52	57	0.000
	कडाना Kadana - 3			0.00	0	
	कडाना Kadana - 4			2.22	60	0.004
	<b>कडाना Kadana (Total)</b>	<b>16</b>	<b>120</b>	<b>6.41</b>	<b>60</b>	<b>0.004</b>
4.	पनम PANAM & Madhuban Dam 1 & 2	0	0	0.00	10	0.000
6.	<b>कुल जलीय TOTAL(H)</b>	<b>60</b>	<b>273</b>	<b>51.08</b>	<b>225</b>	<b>0.356</b>
<b>तापीय THERMAL</b>						
1	टोरेन्ट पावर लिमिटेड युनिट सी	42	60	0.00	0	0.060
2	टोरेन्ट पावर लिमिटेड युनिट डी	85	120	55.07	123	5.388
3	टोरेन्ट पावर लिमिटेड युनिट ई	0	0	64.25	123	5.896
4	टोरेन्ट पावर लिमिटेड युनिट एफ	74	121	40.05	124	3.879
5	टोरेन्ट पावर लिमिटेड युनिट जी टी 1			0.00	0	
6	टोरेन्ट पावर लिमिटेड युनिट जी टी 2	0	0	0.00	0	
7	टोरेन्ट पावर लिमिटेड युनिट एस टी जी			0.00	0	
8	धुवरन तापीय Dhuvaran - 5	0	0	0.00	0	0.000
9	धुवरन तापीय Dhuvaran - 6	0	0	0.00	0	0.000
10	धुवरन तापीय Dhuvaran - GT 1			0.00	0	0.474
11	धुवरन तापीय Dhuvaran - GT 2	0	0	0.00	0	1.644
12	धुवरन तापीय Dhuvaran - STG			38.54	98	
13	उकई युनिट 1 Ukai - 1	70	100	0.00	0	0.184
14	उकई युनिट 2 Ukai - 2	70	100	0.00	0	0.079
15	उकई युनिट 3 Ukai - 3	36	200	62.74	206	6.700
16	उकई युनिट 4 Ukai - 4	140	200	71.17	202	7.426
17	उकई युनिट 5 Ukai - 5	19	50	88.63	210	8.409
18	उकई युनिट 6 Ukai - 6			250.89	505	14.709
19	गांधीनगर 1 Gandhinagar - 1	70	100	0.00	0	0.112
20	गांधीनगर 2 Gandhinagar - 2	70	100	0.00	0	0.068
21	गांधीनगर 3 Gandhinagar - 3	136	210	60.30	210	6.524
22	गांधीनगर 4 Gandhinagar - 4	145	210	40.39	210	4.919
23	गांधीनगर 5 Gandhinagar - 5	37	210	124.73	213	12.405
24	वाणकवौरी 1 Wanakbori - 1	0	0	71.19	204	0.000
25	वाणकवौरी 2 Wanakbori - 2	145	210	98.99	208	
26	वाणकवौरी 3 Wanakbori - 3	145	210	119.00	210	
27	वाणकवौरी 4 Wanakbori - 4	89	150	8.39	161	
28	वाणकवौरी 5 Wanakbori - 5	145	210	0.00	0	
29	वाणकवौरी 6 Wanakbori - 6	145	210	0.00	0	
30	वाणकवौरी 7 Wanakbori - 7	145	210	29.74	211	
31	उत्तरन Utran GT 1	0	0	0.00	0	0.200
32	उत्तरन Utran GT 2	0	0	0.00	0	0.000
33	उत्तरन UTRAN - GT- 3	0	0	0.00	0	0.000
34	उत्तरन UTRAN - GT-4	0	0	42.85	232	0.438
35	उत्तरन UTRAN - STG-I	0	0	0.00	0	0.000
36	उत्तरन UTRAN - STG-II	0	0	30.85	141	2.249

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
37	सिक्का Sikka - 1	70	110	0.00	0	0.231
38	सिक्का Sikka - 2	70	110	76.07	180	11.323
39	कच्छ लिग्नाइट Kutch Lignite - 1	45	70	39.14	66	10.958
40	कच्छ लिग्नाइट Kutch Lignite - 2	45	70	22.07	71	
41	कच्छ लिग्नाइट Kutch Lignite - 3	47	75	44.82	77	
42	कच्छ लिग्नाइट Kutch Lignite - 4	0	0	32.63	65	6.351
43	सूरत लिग्नाइट Surat Lignite - 1			67.61	127	7.392
44	सूरत लिग्नाइट Surat Lignite - 2	173	240	51.55	130	3.055

45	सूरत लिग्नाइट Surat Lignite - 3			0.00	0		0.313
46	सूरत लिग्नाइट Surat Lignite - 4			66.52	129		7.401
47	एक्रीमोटा लिग्नाइट Akrimota Lignite - 1			71.02	106		10.958
48	एक्रीमोटा लिग्नाइट Akrimota Lignite - 2	60	100	28.99	100		
49	जी आई पी सी एल GIPCL GT - 1			21.41	32		0.000
50	जी आई पी सी एल GIPCL GT - 2			0.00	0		
51	जी आई पी सी एल GIPCL GT - 3	95	140	22.18	33		
52	जी आई पी सी एल GIPCL ST - 1			22.84	33		
53	जी आई पी सी एल GIPCL GT - 4			36.66	93		0.000
54	जी आई पी सी एल GIPCL ST - 2	95	140	19.19	49		
55	ई एस एस ए आर ESSAR GT - 1			0.00	0		0.193
56	ई एस एस ए आर ESSAR GT - 2			0.00	0		
57	ई एस एस ए आर ESSAR GT - 3	350	480	0.00	0		
58	ई एस एस ए आर ESSAR STG			0.00	0		
59	जी पी ई सी GPEC GT - 1			0.00	0		0.000
60	जी पी ई सी GPEC GT - 2			51.76	158		1.434
61	जी पी ई सी GPEC GT - 3	430	600	0.00	0		0.603
62	जी पी ई सी GPEC STG			25.68	79		
63	जी एस ई जी GSEG GT - 1			0.00	0		0.000
64	जी एस ई जी GSEG GT - 2	90	150	7.29	46		
65	जी एस ई जी GSEG STG			3.98	23		
66	Sugen (GT 1 + GT 2)	0	0	0.00	0		0.000
67	सीपीपी से आयात Imp from CPP+MUNDRA	50	100	3372.69	6113		
	कुल तापीय Total (T)	5277	7992	<b>5606.27</b>	<b>13448</b>		438.320
	कुल जलीय+तापीय Total (H+T)	6130	9359	<b>5657.35</b>	<b>13666</b>		438.676
	विंड इनर्जी Wind Energy			<b>556.75</b>			
	कुल जलीय+तापीय+हवा Total (H+T+Wind)			<b>6214.10</b>	<b>14523</b>		
	विनिमय Exchanges		(+)	<b>2428.13</b>			
	सीमित ऊर्जा मांग Restricted Energy Req.	8215		<b>8642.23</b>			
<b>ख (B)</b>	<b>MADHYA PRADESH मध्य प्रदेश</b>						
	<b>जलीय HYDRO</b>						
1	चम्बल परि Chambal Pr.(50% share)	50	114	81.29	190		
1.1	गांधी सागर Gandhi Sagar			39.26	109		0.070
1.2	राणा प्रताप सागर R.P.Sagar			73.47	172		0.040
1.3	जवाहर सागर Jawahar Sagar			49.84	99		0.020
2	पेन्च Pench	40	75	44.04	153		0.050
3	बारगी Bargi	50	90	16.89	92		0.040
4	बारगी Bargi (LBCH)			1.79	0		
5	बनसागर टेम्स Bansagar-1 (Tons)	130	315	38.75	213		0.170
6	बनसागर Bansagar-2 (Deolondh)	0	0	0.00	0		
7	बनसागर Bansagar-3 (Silpara)	30	60	4.43	15		0.020
8	बनसागर Bansagar-4 (Zinaha)	0	0	4.90	20		0.030
9	मेडिकहेडा Medikheda	30	60	14.83	63		
10	विरसिंगपुर Birsingpur	15	20	0.08	20		0.020
11	टावा Tawa	0	0	0.00	0		
12	राजघाट Rajghat	20	30	5.21	12		0.040
13	Omkareshwar	210	360	61.04	426		0.373
14	इंदिरा सागर Indira Sagar	610	990	134.34	1016		0.767
	कुल जलीय TOTAL(H) MPPGCL	1185	2114	363.54	2330		0.888

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
<b>तापीय THERMAL</b>						
1	अमरकंटक II AMK II Unit -1			0.00	0	14.510
2	अमरकंटक II AMK II Unit -2	61	82	0.00	0	
3	अमरकंटक III AMK III Unit -5	0	0	150.55	215	0
4	सतपुरा I Satpura-I(60% Share)	50	67	0.00	0	0.000
5	सतपुरा II Satpura-II Unit 6			112.21	190	19.850
6	सतपुरा II Satpura-II Unit 7	128	163	105.96	190	
7	सतपुरा II Satpura-II Unit 8			109.27	200	11.210
8	सतपुरा II Satpura-II Unit 9	122	163	1.54	167	
9	सतपुरा III Satpura-III Unit 10			162.54	264	15.830
10	सतपुरा III Satpura-III Unit 11			93.51	176	18.520
11	एसजीटीपीएस 1 SGTPS Unit - 1			93.51	176	18.520
12	एसजीटीपीएस 2 SGTPS Unit - 2	142	191	110.16	204	
13	एसजीटीपीएस 3 SGTPS Unit - 3			104.45	189	24.370
14	एसजीटीपीएस 4 SGTPS Unit - 4	144	194	115.79	185	
15	एसजीटीपीएस 5 SGTPS Unit - 5	291	390	341.40	510	
16	SSTPS			369.36	1160	26.900
	कुल तापीय Total (T)	1057	1409	1893.90	3142	149.000
	कुल जलीय+तापीय Total (H+T)	2572	4036	2257.44	5635	149.888
	Injection from WIND			333.01	0	

	कुल जलीय+तापीय + विंड Total (H+T+WIND)			2590.45	5635	
	विनिमय Exchanges		(+)	3389.12		
	संमित ऊर्जा मांग Rest. En. Req.	6750		5979.56		
<b>ग (C)</b>	<b>CHHATTISGARH छत्तीसगढ़</b>					
	<b>जलीय HYDRO</b>					
1	हसदेव बांगो Hasdeo Bango	55	120	6.18	120	0.060
2	Gangrel	6	19	0.42	10	0.010
3	Mini Micro KWB			0.00	0	
	कुल जलीय TOTAL(H) CSEB	61	139	6.60	130	0.080
	<b>तापीय THERMAL</b>					
1	कोरबा (पू) Korba (E) Unit-1	30	50	27.64	45	8.980
2	कोरबा (पू) Korba (E) Unit-2	30	50	27.64	43	
3	कोरबा (पू) Korba (E) Unit-3	30	50	27.64	44	
4	कोरबा (पू) Korba (E) Unit-4	30	50	27.84	43	
5	कोरबा (पू) Korba (E) Unit -5	71	120	36.85	120	14.010
6	कोरबा (पू) Korba (E) Unit -6	71	120	66.82	120	
7	कोरबा (पू) Korba (W) Unit -1	125	210	116.93	210	0.000
8	कोरबा (पू) Korba (W) Unit -2	125	210	116.93	210	
9	कोरबा (पू) Korba (W) Unit -3	125	210	116.93	210	19.080
10	कोरबा (पू) Korba (W) Unit -4	125	210	116.93	210	
11	KORBA(EB) Extn - 1	0	250	178.47	254	13.440
12	KORBA(EB) Extn - 2	149	250	175.12	253	13.250
	कुल तापीय Total (T)			1249.51	1741	105.080
13	बालको से आयात BALCO Import			0.00	0	
14	जिन्दल से आयात JINDAL Import			0.00	0	
	कुल तापीय Total (T+IPP)	911	1780	1249.51	1895	
	कुल जलीय+तापीय Total (H+T)	966	1900	1256.11	2025	105.160
	विनिमय Exchanges		(+)	1099.02	0	
	संमित ऊर्जा मांग Rest. En. Req.	1950		2355.13	2025	
<b>घ (D)</b>	<b>MAHARASHTRA महाराष्ट्र</b>					
	<b>जलीय HYDRO</b>					
1	कोयना I और 2 Koyna I & 2	74	300	82.24	565	1.929
2	कोयना III Koyna III	49	150	25.90	320	
3	कोयना IV Koyna IV	165	600	33.04	1006	
4	कोयना डीपीएच Koyna DPH	10	20	18.36	37	
5	टाटा जलीय TATA Hydro	120	444	68.22	471	2.419
6	वैतरणा Vaitarna	3	60	16.08	61	
7	एलदारी Eldari	5	10	1.02	0	
8	भटगर और वीर Bhatgar & Vir	3	5	0.00	4	
9	पैठान Paithan	0	0	1.83	35	
10	तिलारी Tillari	0	0	0.76	45	
11	भीरा टेल रेस Bhira Tail Race	9	80	3.83	80	
12	घटघर Ghatghar	37	250	39.32	250	
13	अन्य छोटे जलीय Small Hydro (others)	32	47	96.37	0	
	कुल जलीय TOTAL(H)	506	1966	399.43	1605	4.348

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
	<b>तापीय THERMAL</b>					
3	नासिक 3 Nasik Unit -3	105	140	115.30	205	
4	नासिक 4 Nasik Unit -4	85	115	123.18	203	
5	नासिक 5 Nasik Unit -5	133	180	134.28	210	
6	ट्राम्बे 4 Trombay Unit -4	0	0	0.00	0	
7	ट्राम्बे 5 Trombay Unit -5	250	500	292.91	493	
8	ट्राम्बे 6 Trombay Unit -6	130	500	0.00	0	
9	ट्राम्बे 8 Trombay Unit -8	0	0	165.61	253	
10	ट्राम्बे 7अ गैस Trombay -7A (Gas)	0	0	65.33	115	2.896
11	ट्राम्बे 7ब Trombay -7B (WHR)	0	0	42.63	68	
12	कोरडी 5 Koradi Unit -5	65	85	24.60	156	
13	कोरडी 6 Koradi Unit -6	75	100	0.00	0	
14	कोरडी 7 Koradi Unit -7	75	100	87.08	180	
15	भुसावल 2 Bhusawal Unit -2	110	150	101.62	185	
16	भुसावल 3 Bhusawal Unit -3	100	135	102.22	190	
17	भुसावल 4 Bhusawal Unit -4	250	335	320.58	505	
18	भुसावल 4 Bhusawal Unit -5	0	0	316.82	510	
19	पारली 3 Parli Unit -3	0	0	0.00	0	
20	पारली 4 Parli Unit -4	0	0	0.00	0	
21	पारली 5 Parli Unit -5	0	0	0.00	0	
22	पारली 6 Parli Unit -6	155	210	0.00	0	
23	पारली 7 Parli Unit -7	40	55	0.00	0	
24	खापरखेडा 1 Khaperkheda Unit -1	80	110	112.34	180	
25	खापरखेडा 2 Khaperkheda Unit -2	100	135	95.70	185	
26	खापरखेडा 3 Khaperkheda Unit -3	350	470	102.59	210	

27	खापरखेडा 4 Khaperkheda Unit -4			99.52	189	
28	खापरखेडा 5 Khaperkheda Unit -5	135	180	292.24	500	
30	पारस Paras-3	135	180	148.30	238	
31	पारस Paras-4	200	430	145.46	271	
32	उरन Uran (Gas)	200	430	176.90	470	
33	उरन Uran (WHR)	100	220	97.30	0	5.455
34	चंद्रपुर 1 Chandrapur Unit -1	100	135	0.00	147	
35	चंद्रपुर 2 Chandrapur Unit -2	100	135	92.76	204	
36	चंद्रपुर 3 Chandrapur Unit -3	90	120	115.95	204	
37	चंद्रपुर 4 Chandrapur Unit -4	70	95	130.01	435	
38	चंद्रपुर 5 Chandrapur Unit -5	80	110	268.02	455	
39	चंद्रपुर 6 Chandrapur Unit -6	190	255	281.32	451	
40	चंद्रपुर 7 Chandrapur Unit -7	150	200	294.99	0	
41	डहानू 1 Dahanu Unit-1			158.66	250	14.561
42	डहानू 2 Dahanu Unit-2	372	500	157.55	250	14.561
43	CPP	0.00	0.00	3525.50	4896.53	
44	RGPPPL Share	200	300	0.00	0	
	<b>कुल तापीय Total (T)</b>	<b>6290</b>	<b>9090</b>	<b>8187.27</b>	<b>13164</b>	<b>332.761</b>
	MAH. Wind + Solar Generation			286.51	0	
	<b>कुल जलीय +तापीय Total (H+T+Wind)</b>	<b>6966</b>	<b>9960</b>	<b>8873.21</b>	<b>15246</b>	<b>374.582</b>
	TOT. विनिमय Exchanges		(+)	3236.53		
	<b>सीमित ऊर्जा मांग Rest. En. Req.</b>	<b>11860</b>		<b>12109.74</b>		
<b>च (E)</b>	<b>गोवा GOA</b>					
	आई पी पी रिलायंस IPP Reliance			18.17	26	
	विनिमय Exchanges			399.72		
	सीमित ऊर्जा मांग Rest. En. Req.	340	470	417.89	418	
<b>छ (F)</b>	<b>दमन और दीव DAMAN &amp; DIU</b>			188.46	307	
<b>ज (G)</b>	<b>दादरा नगर हवेली DNH</b>			471.22	717	
	कुल DD & DNH (T)	133	242	659.68	1024	

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
<b>(H)</b>	<b>केंद्रीय क्षेत्र Central Sector</b>					
	<b>1. एन पी सी N.P.C.</b>					
1.1	तारापुर 1 TAPS Unit -1	80	160	114.58	160	9.130
1.2	तारापुर 2 TAPS Unit -2	80	160	0.00	0	
1.3	तारापुर 3 TAPS Unit -3	300	480	376.16	528	70.230
1.4	तारापुर 4 TAPS Unit -4	300	480	378.45	533	
1.5	काकरापार 1 KAPS Unit -1	125	200	146.45	528	10.680
1.6	काकरापार 2 KAPS Unit -2	125	200	0.00	533	
	कुल एन पी सी NPC Total	1010	1680	1015.64	2282	
	<b>2. एन टी पी सी N.T.P.C.</b>					
2.1	कोरवा एमटीपीएस 1 KSTPS Unit-1			141.12	211	
2.2	कोरवा एमटीपीएस 2 KSTPS Unit-2			148.70	210	
2.3	कोरवा एमटीपीएस 3 KSTPS Unit-3			142.32	210	
2.4	कोरवा एमटीपीएस 4 KSTPS Unit-4			310.45	505	
2.5	कोरवा एमटीपीएस 5 KSTPS Unit-5			30.54	508	
2.6	कोरवा एमटीपीएस 6 KSTPS Unit-6			355.45	509	
2.7	कोरवा एमटीपीएस 7 KSTPS Unit-7			355.02	504	
	कुल कोरवा KSTPS Total	1510	2600	1483.60	2570	98.970
2.7	विन्ध एमटीपीएस 1 VSTPS Unit-1			143.79	210	
2.8	विन्ध एमटीपीएस 2 VSTPS Unit-2			123.56	211	
2.9	विन्ध एमटीपीएस 3 VSTPS Unit-3			136.20	210	
2.10	विन्ध एमटीपीएस 4 VSTPS Unit-4			33.57	209	
2.11	विन्ध एमटीपीएस 5 VSTPS Unit-5			139.82	210	
2.12	विन्ध एमटीपीएस 6 VSTPS Unit-6			138.53	212	
2.13	विन्ध एमटीपीएस 7 VSTPS Unit-7			305.26	505	
2.14	विन्ध एमटीपीएस 8 VSTPS Unit-8			291.20	502	
2.15	विन्ध एमटीपीएस 9 VSTPS Unit-9			333.27	510	
2.16	विन्ध एमटीपीएस 10 VSTPS Unit-10			266.49	508	
2.17	विन्ध एमटीपीएस 11 VSTPS Unit-11			296.99	509	
	कुल विन्धवाचल VSTPS Total	2294	4260	2716.57	#REF!	182.85
3.1	सीपत -1 -SIPAT-1			449.20	666.00	
3.2	सीपत -2 -SIPAT-2			452.80	660.00	
3.3	सीपत -3 -SIPAT-3			392.61	659.00	
3.4	सीपत -4 -SIPAT-4			345.80	510.00	
3.5	सीपत -5 SIPAT-5			347.80	511.00	
	कुल सीपत -SIPAT TOTAL			1988.21	2430.00	99.91
4.1	कवास गैस 1ए Kawas GT-1A			16.96	109	
4.2	कवास गैस 1बी Kawas GT-1B			22.28	110	
4.3	कवास एमटी 1सी Kawas ST-1C			21.97	110	
4.4	कवास गैस 2ए Kawas GT-2A			0.00	0	
4.5	कवास गैस 2बी Kawas GT-2B			0.00	0	
4.6	कवास एमटी 2सी Kawas ST-2C			0.00	0	

	कुल कवास KGPS Total	193	630	61.21	325	3.360
5.1	गंधार गैस 1 Gandhar GT-1			8.03	135	
5.2	गंधार गैस 2 Gandhar GT-2			1.50	140	
5.3	गंधार गैस 3 Gandhar GT-3			23.53	135	
5.4	गंधार एस्ट्री 4 Gandhar ST-4			18.36	151	
	कुल गंधार GGPS Total	80	630	51.42	300	2.390
6.1	मौदा 1 Mauda -1			52.36	503	0.000
6.2	मौदा 2 Mauda -2			38.74	504	0.000
	कुल मौदा MAUDA Total	186	500	91.10	505	10.090
6.1	RGPPPL Block I			0.00	0	
6.2	RGPPPL Block II			0.00	0	
6.3	RGPPPL Block III			0.00	0	
	<b>RGPPPL TOTAL</b>	540	750	0.00	31	0.000
7.1	एस एस पी SSP RBPH - 1			0.63	192	
7.2	एस एस पी SSP RBPH - 2			0.00	0	
7.3	एस एस पी SSP RBPH - 3			3.62	193	
7.4	एस एस पी SSP RBPH - 4			6.45	193	
7.5	एस एस पी SSP RBPH - 5			2.12	191	
7.6	एस एस पी SSP RBPH - 6			2.49	192	
7.7	एस एस पी SSP CHPH - 1			15.21	39	
7.8	एस एस पी SSP CHPH - 2			18.53	38	
7.9	एस एस पी SSP CHPH - 3			20.21	39	
7.10	एस एस पी SSP CHPH - 4			20.92	38	
7.11	एस एस पी SSP CHPH - 5			6.82	39	
	कुल एस एस पी SSP Total	580	900	96.97	1154	0.970
8.1	कुल पेंच Pench Total	40	75	44.04	153	0.050
8.2	Jindal Injection			437.70	0	
8.3	Amarkantak Lanco			197.37	0	
	<b>(I) पश्चिमी क्षेत्र WESTERN REGION</b>					
	ग्रोस उत्पादन Gross generation			27135.87		
	<b>(J) उपलब्धता Availability</b>			26548.47		
	नेट विनिमय Net Exchanges		(+)	-5431.57		
	उपलब्ध ऊर्जा Energy Availability	29400		21116.90		

माह नवम्बर 2015 के दौरान चरम मांग - योजनाबद्ध बनाम वास्तविक  
PEAK DEMAND - SCHEDULE VS ACTUAL FOR NOVEMBER 2015

अनुलग्नक 4.2  
ANNEX-4.2

राज्य	State	Anticipated अपेक्षित (MW)	वास्तविक Actual (MW)				दिनांक Date	समय Time	आवृत्ति Frequency	
			आपूर्ति Catered	Actual (MW)						
				UNSCH LS	FC	SCH LS				कुल Total
<b>गुजरात</b>	<b><u>GUJARAT</u></b>									
पंजीकृत	Registered		13677	-	-	-	13677	06.11.15	1200	49.99
सीमित	Restricted	13000								
असीमित	Unrestricted	13040	13677	0	4.79	0	13682	06.11.15	1200	49.99
न्यूनतम पंजीकृत मांग	Min. Registered Demand		7646				7646	12.11.15	0:00	49.97
<b>मध्य प्रदेश</b>	<b><u>MADHYA PRADESH</u></b>									
पंजीकृत	Registered		10393	-	-	-	10393	28.11.15	0900	50.07
सीमित	Restricted	10200								
असीमित	Unrestricted	10200	10356	0	51	0	10407	28.11.15	0845	49.83
न्यूनतम पंजीकृत मांग	Min. Registered Demand		10393				10393	28.11.15	0900	
<b>छत्तीसगढ़</b>	<b><u>CHHATTISGARH</u></b>									
पंजीकृत	Registered		3333				3333	03.11.15	1800	49.88
सीमित	Restricted	3575								
असीमित	Unrestricted	3595	3333	96	14	0	3443	03.11.15	1800	49.88
न्यूनतम पंजीकृत मांग	Min. Registered Demand		1918				1918	12.11.15	1400	50.01
<b>महाराष्ट्र</b>	<b><u>MAHARASHTRA</u></b>									
पंजीकृत	Registered		20378	-	-	-	20378	09.11.15	1200	49.93
सीमित	Restricted	19600								
असीमित	Unrestricted	19650	20378	382	50	0	20810	09.11.15	1200	49.93
न्यूनतम पंजीकृत मांग	Min. Registered Demand		13349				13349	12.11.15	0400	49.99
<b>गोवा</b>	<b><u>*GOA</u></b>									
पंजीकृत	Registered	470	418		-	-	418	28.11.15	2100	49.97
असीमित	Unrestricted	470	406	35	0.00	-	441	19.11.15	2100	50.00
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
<b>एस्सार</b>	<b><u>ESSAR(ESIL)</u></b>									
पंजीकृत	Registered		585		-	-	585	14.11.15	0200	49.98
असीमित	Unrestricted		585	0	0	-	585	14.11.15	0200	49.98
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
<b>दमन एवं दीव</b>	<b><u>DD</u></b>									
पंजीकृत	Registered		304		-	-	304	06.11.15	1900	49.96
असीमित	Unrestricted		304	0	0	-	304	06.11.15	1900	49.96
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
<b>दादरा व न हवेली</b>	<b><u>DNH</u></b>									
पंजीकृत	Registered		716		-	-	716	05.11.15	1900	49.98
असीमित	Unrestricted		716	2	1	-	719	05.11.15	1900	49.98
न्यूनतम पंजीकृत मांग	Min. Registered Demand		359				359	12.11.15		
<b>पश्चिम क्षेत्र</b>	<b><u>WESTERN REGION</u></b>									
पंजीकृत	Registered		46528	-	-	-	46528	04.11.15	1100	49.95
सीमित	Restricted	48500								
असीमित	Unrestricted	48900	46528	382	81	0	46991	04.11.15	1100	49.95
न्यूनतम पंजीकृत मांग	Min. Registered Demand		32840				32840	13.11.15	0400	

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

माह नवम्बर 2015

ANNEXURE 4.3

Nov-15

अनु.क्र.	श्रीगणेश	PARALLEL / RADIAL OPERATION	TOTAL OPERATING HOURS
1	एचवीडीसी बॅक टू बॅक लिंक	HVDC back-to back link(WR-NR)	697:27:00
2	एचवीडीसी बॅक टू बॅक लिंक	HVDC back-to back link(WR-SR)	649:25:00
		TIE LINE	
1	765 केवी सिवनी से वर्धा-I	765kV Soni to Wardha	677:41:00
2	765 केवी सिवनी से वर्धा-II	765kV Seoni to Wardha	609:40:00
3	765 केवी सिवनी से बिलासपूर-I	765kV Seoni to Bilaspur-I	706:40:00
4	765 केवी सिवनी से बिलासपूर-II	765kV Seoni to Bilaspur-II	720:00:00
5	765 केवी दुर्ग से वर्धा -I	765kV Durg to Wardha I	624:53:00
6	765 केवी दुर्ग से वर्धा -II	765kV Durg to Wardha II	683:27:00
7	400 केवी भिलाई से कोराडी	400kV Bhilai to Koradi	720:00:00
8	400 केवी भिलाई से भद्रावती	400kV Bhilai to Bhadravati	720:00:00
9	400 केवी रायपूर से भद्रावती -I	400kV Raipur to Bhadravati-I	720:00:00
10	400 केवी रायपूर से भद्रावती -II	400kV Raipur to Bhadravati-II	720:00:00
11	400 केवी रायपूर से भद्रावती -III	400kV Raipur to Bhadravati-III	720:00:00
12	400	400kV Satpura to Koradi	720:00:00
13	400 -I	400kV Khandwa-Dhule-I	702:30:00
14	400 -II	400kV Khandwa-Dhule-II	714:09:00
15	400 -I	400kV Indore to Asoj-I	720:00:00
16	400 -II	400kV Indore to Asoj-II	719:26:00
17	400 -III	400kV Indore to Asoj-III	720:00:00
18	400 केवी कोल्हापूर से मापूसा-I	400kV Kolhapur-Mapusa-I	568:31:00
19	400 केवी कोल्हापूर से मापूसा-II	400kV Kolhapur-Mapusa-II	674:56:00
	400 केवी कोल्हापूर से मापूसा-I	400kV Kolhapur-Mapusa-I(GIS)	542:50:00
	400 केवी कोल्हापूर से मापूसा-II	400kV Kolhapur-Mapusa-II(GIS)	589:49:00
20	400	400kV Vapi-Boisar	710:04:00
21	400	400kV Raigarh to IBEUL	720:00:00
22	400 केवी रायगढ़ से स्टरलाइट	400kV Raigarh to Sterlight	720:00:00
23	400	400kV Raigarh to Rouerkela	720:00:00
24	400	400kV Raigarh to Jharsuguda	720:00:00
25	400 -I	400kV Nagda to Dehgam	685:34:00
26	400 -II	400kV Nagda to Dehgam	657:57:00
27	400 केवी रायपूर से वर्धा-I	400kV Raipur to Wardha-I	712:28:00
28	400 केवी रायपूर से वर्धा-II	400kV Raipur to Wardha-II	710:21:00
29	400 केवी वर्धा से मौदा-I	400kV Wardha to Mouda-II	720:00:00
30	400 केवी वर्धा से मौदा-II	400kV Wardha to Mouda-II	710:43:00
31	220 केवी कोरबा पूर्व से बुद्धिपादर-III	220kV K(E) to Budhipadar-III	720:00:00

माह नवम्बर 2015 के अंत में पश्चिम क्षेत्र के मुख्य जलाशयों के स्तर  
LEVEL OF MAJOR RESERVOIRS IN WESTERN REGION AT THE END OF MONTH OF NOVEMBER 2015

क्रमांक Sl. No.	विवरण Particulars	गु उ वि नि लि GUVNL उकाई Ukai	मप्रविउकं लि MPPGCL गांधीसागर Gandhisagar	एन एच डी सी NHDC इंदिरा सागर Indira Sagar	मराविउकं लि MSEGCL कोयना Koyna
1	Levels in Mtrs. स्तर मीटर में				
1.1	माह के अंत में At the end of the month	99.77	398.43	258.71	648.43
1.2	पिछले वर्ष इस माह के अनुरूप आंकड़ें Corresponding Figure of the month Last Year	101.25	396.61	259.79	656.11



## List of Grid Disturbances and Grid incidents (GD/GI) in November-2015: Western Region

Sr. No.	Details of incident (Elements / Generation Tripped)	Owner Utility	Date	Time	Effect (Loss of generation/ Load), if any	Category as per CEA Grid Standards
1	Tripping of 1. 220k.V Omkarshwar-Nimrani S/C 2. 220k.V Omkarshwar-Burwaha S/C 3. 220k.V Omkarshwar-Chagaon S/C 4. 220k.V Omkarshwar-JulwaniaS/C 5. 220k.V Omkarshwar-KhandwaS/C 6. Omkareshwar unit-4/65MW 7. Omkareshwar unit-5/65MW 8. Omkareshwar unit-7/65MW Due to Bus-Bar protection operation at 220 kV Omkareshwar S/S	MPPGCL	2-Nov-15	10:50	Generation Loss: 116 MW, Load Loss: NIL	GD-1
2	Tripping of 400/220 kV ICT-I (315 MVA), 400/220 kV ICT-II (315 MVA), 400/220 kV ICT-III (500 MVA) 220/132 kV ICT-II (200 MVA) 220/132 kV ICT-III (200 MVA) at Parli (MSEB) due to B-Phase jumper between bus sectionalizer CB to bus section-I isolator snapped in 220 kV Bus sectionalizer bay at 220 kV Parli S/S. Large load loss has occurred in parli and Downstream network during this event.	MSETCL	7-Nov-15	10:20	Generation Loss: NIL, Load Loss: 848 MW	GD-1
3	Tripping of 220 kV Dehgam-Ranasan 1 132 kV AEEO-Sabarmati D/C 220 kV Ranasan-Karamsad D/C Units AECo-D and AEEO-E  Details for Reason awaited	AEEO/GETCO	13/11/2015	13:45	Gen loss : 143 MW	GI-1
4	765 kV Wardha-Aurangabad 2 and 765 kV Wardha-Aurangabad 4	PGCIL	14/11/2015	22:13	Nil	GI-2
5	Tripping of 220 kV Miraj-Mhasal-I 220 kV Miraj-Mhasal-II 220 kV Miraj-Vita-I 220 kV Miraj-Vita-II 220 kV Miraj-Sangli due to R-Ph PT burst at 220 kV Miraj S/S resulting in operation of 220 kV Bus Bar Protection	MSETCL	16-Nov-15	21:05	Generation Loss: NIL, Load Loss: 110 MW	GD-1
6	Tripping of 400 kV Deepnagar-Bhusawal 2 400 kV Deepnagar Bus 1 Bhusawal Unit 3 132 kV Deepnagar Sub-station  Event was due to B-Ph pole burst of 400 kV Deepnagar-Bhusawal 2 resulting 400 kV Bus 1 fault at deepnagar affecting 132 kV Deepnagar station .	MSETCL/MSEGCL	18/11/2015	13:51	Gen Loss : 300 Load Loss : 350	GI-2

7	<p>Tripping of  220 kV Sukha-Panagar-I  220 kV Sukha-Panagar-II  220 kV Sukha-Jabalpur-I  220 kV Sukha-Jabalpur-II  220 kV Sukha-Narsinghpur-I  220 kV Sukha-Narsinghpur-II  400/220 kV ICT-I at Jabalpur-PG  400/220 kV ICT-II at Jabalpur-PG  due to R-Ph PT Problem at 220 kV Sukha S/S resulting in tripping of all 220 kV feeders at Sukha</p>	MPPTCL	20-Nov-15	3:26	Generation Loss: NIL, Load Loss: NIL	GD-1
8	<p>Tripping of 400 kV Dhariwal-Parli and Dhariwal-Bhadrawati circuit on Vector phase shift protection operation causing Blackout at 400kV Dhariwal</p>	Dhariwal	21-Nov-15	12:14	Generation Loss: NIL, Load Loss: Nil MW	GD-1
9	<p>Tripping of  220 kV Ionikand-Theur 2  220 kV Ionikand-Theur 1  400/220 kV 315 MVA ICT 1  400/220 kV 315 MVA ICT 2  400/220 kV 315 MVA ICT 3  220 kV Lonikand- Ranjangaon  220 kV Lonikand-Kathapur  220/22 kV 50 MVA ICT 1  220/22 kV 50 MVA ICT 2  220/22 kV 50 MVA ICT 3  220 kV Bus-coupler  Due to 220kV Bus-2 fault at Lonikhand. Heavy rains were reported during the period of tripping.</p>	MSETCL	22-Nov-15	21:16	Generation Loss: NIL, Load Loss: ~40 MW	GD-1
10	<p>Tripping of  160 MVA 220/132 XFMR-1  160 MVA 220/132 XFMR-2  220KV Badod Sakatpur  220KV Badod Modak  220KV Badod Ujjain 1  220KV Badod Ujjain 2  Event was due to burst of PT Of B-Phase 220KV Badod Sakatpur ckt at Badod end . Bus bar Protection Operated causing tripping of all 220 kV elements at Badod causing 220 kV loss of supply.</p>	MPPTCL	27-Nov-15	23:35	Load Loss : Nil	GI-2
11	<p>Tripping of Bus section_II at Koyna III  Koyna III-Phopali -II 17:59  Koyna III-Adlabs,Imagica S/C 17:59  Koyna III-Nerle S/C 17:59  Koyna III-Oni S/C 17:59  220/110kV ,2x50MVA transformer-I&amp;II 17:59  110kV Koyna III-Aroli S/C 17:59</p>	MSETCL	30-Nov-15	17:59	Generation Loss: 80 MW, Load Loss: Nil MW	GD-1

## ANNEXURE-8.8

DEMAND FORECAST USING PAST 3 YEARS DATA (January 2016 - March 2016)														Data given by DICs	Comments
WESTERN REGION															
2012-13			2013-14			2014-15			1	2	3	4			
Constituents	Jan-13	Feb-13	Mar-13	Jan-14	Feb-14	Mar-14	Jan-15	Feb-15	Mar-15	2012-13 Average	2013-14 Average	2014-15 Average	Projected Demand for (Jan 2016 to Mar 2016) before normalization		
Chattisgarh	2,812	2,958	3087	2,981	3,050	3,289	3,011	3,468	3,638	2,952	3,107	3,372	3,564		
Gujarat	10,830	10,669	11614	11,178	11,201	11,774	11,804	12,273	12,719	11,038	11,384	12,265	12,790		
Madhya Pradesh	8,706	7,608	8167	9,040	9,087	6,765	9,466	9,033	6,815	8,160	8,297	8,438	8,576	8836	As per forecasted peak given by
Maharashtra	15,782	16,264	16602	17,013	17,621	17,317	17,866	18,816	19,804	16,216	17,317	18,829	20,067		
Daman & Diu	285	275	206	297	297	297	297	297	301	255	297	298	327		
Dadra Nagar Havel	625	609	609	654	654	646	679	679	714	614	651	691	728		
Goa	395	435	475	433	434	465	393	433	465	435	444	430	432		
ESIL	0	0	0	424	487	618	440	434	605	0	510	493	477		As per peak demand met figures of last 3 yrs given by RLDCs

### 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 2015-2016 (Q4) i.e January 2016 to March 2016
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/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2015\\_03.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2015_03.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2015\\_02.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2015_02.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2015\\_01.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2015_01.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2014\\_03.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2014_03.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2014\\_02.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2014_02.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2014\\_01.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2014_01.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2013\\_03.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2013_03.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2013\\_02.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2013_02.pdf)  
[http://www.cea.nic.in/reports/monthly/gm\\_div\\_rep/power\\_supply\\_position\\_rep/peak/Peak\\_2013\\_01.pdf](http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2013_01.pdf)



## Generation Projection-Western Region (January'16 - March' 16)

				Generation declared Commercial from 1st July '15 to 30th September '15					Generation declared/expected to be declared Commercial from 1st October '15 to 31st December'15								
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)
1	MP	WR	5770	Sapura TPP Extn	11	250	164	556	Malwa TPP	2	600	393	393	6719	Forecasted injection given by MP	5702	5702
				Malwa	1	600	393										
2	Maharashtra	WR	13394	Vidarbha Power Ltd.	2	300	196	956	Amravati (Indiabulls)	3	270	177	530	14879			14879
				Bhusawal II	2	500	327		Amravati (Indiabulls)	4	270	177					
				Tirora TPP Ph-II	2	660	432		Amravati (Indiabulls)	5	270	177					
3	Chattisgarh	WR	1842	Marwa TPS	1	500	327	327	Swastik TPP	1	25	16	16	2186			2186
4	Gujarat	WR	9645	Pipavav	Block 1	351	97	97						9742			9742
5	Goa	WR	0											0			0
6	D&D	WR	0											0			0
7	DNH	WR	0											0			0
8	Vindhyachal	WR	4116											4116	NTPC projected generation calculated based on last three yrs data as given by NTPC		4116
9	Ratnagiri Dabhol	WR	148											148	Based on recent operational record	0	0
10	TAPS (1,2,3,4)	WR	1116											1116			1116
11	Jindal	WR	1894											1894	Based on recent operational record	800	800
12	LANCO	WR	346											346			346
13	NSPCL Bhilai	WR	485											485			485
14	Korba	WR	2550											2550	NTPC projected generation calculated based on last three yrs data as given by NTPC		2550
15	SIPAT	WR	2932											2932			2932
16	CGPL	WR	3650											3650			3650
17	Mauda	WR	445											445	NTPC projected generation calculated based on last three yrs data as given by NTPC		445
18	Gandhar	WR	369											369			369
19	Kawas	WR	396											396			396
20	SSP	WR	1045											1045			1045
21	KAPS	WR	411											411			411
22	Essar Mahan	WR	0											0	As per data given by Essar	550	550

## Generation Projection-Western Region (January'16 - March '16)

			Generation declared Commercial from 1st July '15 to 30th September '15						Generation declared/expected to be declared Commercial from 1st October '15 to 31st December'15								
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)
23	BALCO	WR	114											114			114
24	KSK Mahanadi	WR	461	KSK Mahanadi	2	600	393	393						854			854
25	Vandana Vidyut	WR	62											62	Based on recent operational record	0	0
26	Sasan UMPP	WR	2835	Sasan UMPP	6	660	432	432					0	3267			3267
27	Tamnar TPP (Jindal Extn.)	WR		Tamnar TPP (Jindal Extn.)	1	600	393	785	Tamnar TPP (Jindal Extn.)	3	600	393	393	1178	Based on data given by Jindal for Q2 & recent operational record	800	800
				Tamnar TPP (Jindal Extn.)	2	600	393										
28	DGEN	WR	257	DGEN	2	400	262	524						781			781
				DGEN	3	400	262										
29	DB Power Ltd.	WR	393					0						393			393
30	Korba West	WR	450					0						450	As per data given by them	500	500
31	Dhariwal	WR	0											0	As per recent operational record	0	0
32	Raikheda TPP (GMR)	WR		Raikheda	1	685	448	448						448			448
33	JPNigrie	WR	665	JPNigrie				432						1097			1097
				JPNigrie	2	660	432										
34	EMCO	WR	418											418			418
35	ACBIL+Spectrum	WR	327	MCCPL	1	300	196	196					0	524	As per forecasted data given by ACBIL excl. MCCPL	328	328
36	MB Power (Anuppur)	WR		MB Power	1	600	393	393						393			393
	<b>TOTAL</b>		<b>56535</b>					<b>5539</b>					<b>1332</b>	<b>63406</b>			<b>61112</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 plf for hydro generators
  - (ii) 0.7 plf for thermal generators.
  - (iii) 0.3 plf for gas stations

<b>Name of the Station:</b>	
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Event-1	On 26-Oct-15 due to Earthquake at J&k at 14:41:35 hrs Frequency rise from 50.02 to 50.29 Hz						
<b>Unit Nos</b>	<b>Unit-1</b>	<b>Unit-2</b>	<b>Unit-3</b>	<b>Unit-4</b>	<b>-----</b>	<b>-----</b>	
<b>Whether RGMO is in service</b>	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
<b>Whether FGMO with manual control is in service</b>	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
<b>Droop Setting in %</b>	-----	-----	-----	-----	-----	-----	
<b>Upper Load Limit setting in MW</b>	-----	-----	-----	-----	-----	-----	
<b>Lower Load Limit setting in MW</b>	-----	-----	-----	-----	-----	-----	
<b>Unit Capacity in MW</b>	-----	-----	-----	-----	-----	-----	
<b>Time</b>	<b>Frequency</b>	<b>Unit-1</b>	<b>Unit-2</b>	<b>Unit-2</b>	<b>Unit-4</b>	<b>-----</b>	<b>-----</b>
<b>hh:mm:ss</b>	<b>Hz</b>	<b>MW</b>	<b>MW</b>	<b>MW</b>	<b>MW</b>	<b>MW</b>	
14:41:00							
14:41:10							
14:41:20							
14:41:30							
14:41:40							
14:41:50							
14:42:00							
14:42:10							
14:42:20							
14:42:30							
14:42:40							
14:42:50							
14:43:00							
14:43:10							
14:43:20							
14:43:30							
14:43:40							
14:43:50							
14:44:00							
14:44:10							
14:44:20							
14:44:30							
14:44:40							
14:44:50							
14:45:00							
14:45:10							
14:45:20							
14:45:30							
14:45:40							
14:45:50							
14:46:00							

Signature	
Name	
Designation	
Email id	
Phone Nos	

Event-2	On 27-Nov-15 due to Unit Outage at 23:05:35 hrs Frequency drop from 49.94 to 49.77 Hz						
<b>Unit Nos</b>	<b>Unit-1</b>	<b>Unit-2</b>	<b>Unit-3</b>	<b>Unit-4</b>	<b>-----</b>	<b>-----</b>	

<b>Whether RGMO is in service</b>		Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
<b>Whether FGMO with manual control is in service</b>		Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
<b>Droop Setting in %</b>		-----	-----	-----	-----	-----	-----	
<b>Upper Load Limit setting in MW</b>		-----	-----	-----	-----	-----	-----	
<b>Lower Load Limit setting in MW</b>		-----	-----	-----	-----	-----	-----	
<b>Unit Capacity in MW</b>		-----	-----	-----	-----	-----	-----	
<b>Time</b>	<b>Frequency</b>	<b>Unit-1</b>	<b>Unit-2</b>	<b>Unit-2</b>	<b>Unit-4</b>	<b>-----</b>	<b>-----</b>	
<b>hh:mm:ss</b>	<b>Hz</b>	<b>MW</b>	<b>MW</b>	<b>MW</b>	<b>MW</b>	<b>MW</b>		
23:05:00	-----	-----	-----	-----	-----	-----	-----	
23:05:10	-----	-----	-----	-----	-----	-----	-----	
23:05:20	-----	-----	-----	-----	-----	-----	-----	
23:05:30	-----	-----	-----	-----	-----	-----	-----	
23:05:40	-----	-----	-----	-----	-----	-----	-----	
23:05:50	-----	-----	-----	-----	-----	-----	-----	
23:06:00	-----	-----	-----	-----	-----	-----	-----	
23:06:10	-----	-----	-----	-----	-----	-----	-----	
23:06:20	-----	-----	-----	-----	-----	-----	-----	
23:06:30	-----	-----	-----	-----	-----	-----	-----	
23:06:40	-----	-----	-----	-----	-----	-----	-----	
23:06:50	-----	-----	-----	-----	-----	-----	-----	
23:07:00	-----	-----	-----	-----	-----	-----	-----	
23:07:10	-----	-----	-----	-----	-----	-----	-----	
23:07:20	-----	-----	-----	-----	-----	-----	-----	
23:07:30	-----	-----	-----	-----	-----	-----	-----	
23:07:40	-----	-----	-----	-----	-----	-----	-----	
23:07:50	-----	-----	-----	-----	-----	-----	-----	
23:08:00	-----	-----	-----	-----	-----	-----	-----	
23:08:10	-----	-----	-----	-----	-----	-----	-----	
23:08:20	-----	-----	-----	-----	-----	-----	-----	
23:08:30	-----	-----	-----	-----	-----	-----	-----	
23:08:40	-----	-----	-----	-----	-----	-----	-----	
23:08:50	-----	-----	-----	-----	-----	-----	-----	
23:09:00	-----	-----	-----	-----	-----	-----	-----	
23:09:10	-----	-----	-----	-----	-----	-----	-----	
23:09:20	-----	-----	-----	-----	-----	-----	-----	
23:09:30	-----	-----	-----	-----	-----	-----	-----	
23:09:40	-----	-----	-----	-----	-----	-----	-----	
23:09:50	-----	-----	-----	-----	-----	-----	-----	
23:10:00	-----	-----	-----	-----	-----	-----	-----	

Signature	
Name	
Designation	
Email id	
Phone Nos	

## ANNEXURE 10

SR NO	UTILITIES	OCC NO.	MONTH	STATUS	REMARK
1	CHHATTISHGARH	454	Dec-14	HOSTED ON 10.12.13 AT RAIPUR	
2	DD	455	Jan-14	HOSTED ON 16.01.14 AT DIU	
3	GUJARAT	456	Feb-14	HOSTED ON 13.02.14 AT VADODARA	
4	RGPPL*	457	Mar-14	-	HOSTED ON 11.03.14 AT MUMBAI BY NTPC MUMBAI HQ-I
5	MAHARASHTRA	458	Apr-14	HOSTED ON 16.04.14 BY MSETCL AT MUMBAI	
6	NTPC, HQ-II Raipur*	459	May-14	-	HOSTED ON 12.05.14 AT MUMBAI BY WRPC AT RELIANCE
7	WRTS-I	460	Jun-14	HOSTED ON 13.06.14 AT NAGPUR	
8	KWPCL	461	Jul-14	-	HOSTING ON 10.07.14 AT RAIPUR BY KWPCL(IPP)
9	TAPS-1&2	462	Aug-14	hosted on 11.08.2014 at TARAPUR	
10	NTPC Gandhar/Kawas	463	Sep-14	hosted on 12.09.2014 at Bharuch	
11	RELIANCE SASAN	464	Oct-14	Hosted on 13.10.2014 at Varanasi	
12	WRPC	465	Nov-14		11.11.2014 at WRPC Mumbai
13	MADHYA PRADESH	466	Dec-14	Hosted on 09.12.2014 at Jabalpur	
14	WRPC	467	Jan-15		held on 16.01.2015 at WRPC Mumbai
15	ESSAR TRANSMISSION	468	Feb-15	held on 16.02.2015 at Mumbai	
16	BDTCL/JBTCL	469	Mar-15	held on 10th March 2015 at Nagpur	
17	NTPC VINDHYACHAL	470	Apr-15	held on 13th April 2015 AT LUCKNOW	
18	WRPC	471	May-15		HELD ON 13.05.2015 AT WRPC MUMBAI
19	TORRENT POWER	472	Jun-15	HELD ON 10.06.2015 AT AHMEDABAD HOSTED BY TORRENT POWER LTD.	
20	TATA POWER	473	Jul-15	HELD ON 14.07.2015 BY TATA POWER IN MUMBAI	
21	WRPC	474	Aug-15	HELD ON 13.08.2015 at WRPC MUMBAI	
22	WRPC	475	Sep-15	HELD ON 10.09.2015 AT WRPC MUMBAI	
23	ADANI POWER(TIRODA)	476	Oct-15	HELD ON 14.10.2015 AT APML TIRODA	
24	NTPC SIPAT, CG	477	Nov-15	HELD ON 09.11.2015 AT NTPC SIPAT	
25	TAPS-3&4	478	Dec-15	TO BE HELD ON 15.12.2015 AT TAPS-3 & 4	
26	CGPL	479	Jan-16	TO BE HELD ON 12.01.2016 AT CGPL MUNDRA	
27	NTPC Mouda	480	Feb-16		
28	KSK	481	Mar-16		
29	RELIANCE TRANSMISSION	482	Apr-16		
30	APL	483	May-16		
31	DNH	484	Jun-16		
32	NCA	485	Jul-16		
33	RATTAN INDIA POWER LTD	486	Aug-16		
34	KAPS	487	Sep-16		
35	RKM POWER GEN	488	Oct-16		
36	NHDC	489	Nov-16		
37	NTPC, Mumbai	490	Dec-16		
38	ADANI TRANSMISSION	491	Jan-17		
39	WRTS-II	492	Feb-17		
40	SUGEN (TPL)	493	Mar-17		
41	NTPC KORBA	494	Apr-17		
42	GOA	495	May-17		
43	JPL	496	Jun-17		