



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

Western Regional Power Committee

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सेवा में,

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

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 15.12.2015 को TAPS - 3&4 TARAPUR में आयोजित 478 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है ।

धन्यवाद ।

भवदीय,

संलग्न : उपरोक्तानुसार

22/12/2015

वी के गुप्ता

अधीक्षण अभियंता (प्रचालन)

**MINUTES OF 478TH MEETING OF OPERATION & COORDINATION
SUB-COMMITTEE OF WRPC
HELD ON 15TH DECEMBER 2015 AT TAPS-3&4, TARAPUR**

The 478th meeting of Operation & Co-ordination Sub-Committee of WRPC was held on 15th December 2015 at TAPS-3&4, Tarapur. The list of participants is enclosed at **Annexure-A**.

Shri Hemant Kumar, Station Director, TAPS 3&4, NPCIL welcomed Member Secretary WRPC, Officers of WRPC and WRLDC, Chief Engineers of SLDCs and all other delegates of the 478th OCC meeting. He thanked WRPC for providing the opportunity to host the 478th OCC meeting at TAPS-3&4, Tarapur.

He told that the OCC is a very important forum in terms of the importance of the discussion and decisions taken from point of view of Power generation, transmission and distribution in the Western Region. He further told that OCC Meeting plays very important role for maintaining reliable and stable grid as representatives of all the constituents of WR participated in the forum and resolve important operational issues of WR.

He informed that TAPS and KAPS are part of Western region. TAPS 3&4 both units are operating continuously for past 7 months. He further added that average availability factor for both units of TAPS 3&4 is more than 90%.

Shri S D Taksande, Member Secretary, WRPC extended warm welcome to all the participants of the 478th OCCM. He expressed his gratitude to Shri A K Singh, Site Director & Shri Hemant Kumar, Station Director, TAPS 3&4 for coming forward willingly to host 478th OCCM. He thanked the Shri R K Gupta, Operation Superintendent & entire group of engineers of TAPS 3&4, for making excellent & immaculate arrangements for meeting.

He informed that now a days the problems arising in grid is not only due to frequency but also due to voltage. Presently commercial mechanism viz. DSM methodology is being utilized for overcoming frequency deviation problems.

Member Secretary, WRPC also told that share of Renewable Energy Sources (RES) in Western Region is about 10% of the total capacity. Govt of India is expediting RES with massive investment. By the year 2020, share of RES may become significant. So Integration of RES with the grid will be a challenge to Power Engineers.

He highlighted the following events which took place since last OCC meeting:

1. He informed that in last TCC/WRPC meeting held on 23rd/24th November, 2015 at Bhubneshwar wherein mostly Commercial issues were discussed and URS methodology for UMPP was discussed and aligned with URS methodology of NTPC units/plants.
2. He informed that BARC is now a regional entity of WR with effect from 14.12.2015.
3. He also informed that for WR-NR SPS, Sasan UMPP has also been included apart from CGPL, NTPC Korba, NTPC Vindhyachal for backing up a total power of 1000 MW (250 MW each) & till inclusion of Sasan in SPS, originally three stations shall contribute 330 MW each.
4. Validation committee meeting was held on 9th December 2015 at NLDC New Delhi wherein data for Q-4(January 2016 to March 2016) was validated and it was decided that OCC forum will ratify load & generation data for next quarter onwards. All RPCs agreed for the same.
5. He informed that 4th NPC meeting held on 10.12.2015 at New Delhi wherein following points are discussed
 - I. Methodology of UFR inspection & self certification of healthiness of UFR and it was decided that only 10-20% relays will be inspected on random basis by a small group comprises of engineers of WRPC, WRLDC, SLDCs & STU testing team and for rest of UFR self certification from utilities will suffice.
 - II. Utilities shall submit the categorized monthly power cut/Load shedding data viz LS due to constraints of generation, transmission, distribution, commercial reasons, mandatory power cuts etc.
6. He informed that a meeting regarding finalization Annual maintenance programme of WR generators for the year 2016-17 was held on 27th November 2015 at WRPC. The tentative maintenance programme for WR generators was finalized. CEA will be finalize generation target with generators on 22.01.2016 in a meeting at WRPC Mumbai.
7. A meeting to discuss Frequency Response Characteristics of WR generators was held on 27th November 2015 at WRPC. Selected generators were advised to submit their response in approved format.
8. 39th Standing Committee meeting on power system planning of WR was held on

30th November at New Delhi, where a decision to upgrade 3x315MVA ICTs at Vapi(PG) with 3x500MVA ICTs has taken.

9. He informed the two New generating units in WR i.e. RKM Unit No -1 (360 MW) and Balco unit-3(300 MW) were declared their COD on 27.11.2015 & 28.11.2015 respectively.

10.765 kV Kolhapur(PG) to Narendra new (Kudgi)-II has been commissioned on 16.11.2015

Thereafter he requested SE (OPN), WRPC to take up regular agenda items in seriatim for discussion.

ITEM No. 1: CONFIRMATION OF THE MINUTES

SE(O), WRPC stated that minutes of 477th meeting of Operation & Coordination Sub-Committee of WRPC held on 9th November 2015 at NTPC Sipat were forwarded vide letter No. WRPC/OPN/OCC-Minutes/2015-16/9583 dated 17.11.2015.

No comments have been received. Therefore minutes were confirmed as it is.

The Sub-Committee noted as above.

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

SE(OPN),WRPC requested WRLDC to brief the Committee on Grid Operation experiences during November 2015.

CM, WRLDC in the presentation concentrated broadly on the performance of the grid for month of November 2015 as below:

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 13th November-15 while minimum instantaneous frequency was 49.64 Hz at 07:52 hrs on 21st November - 15. The frequency profile during November, 2015 was as under:

01st November 2015 to 30th November 2015	% time
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 noted.

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 noted.

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 noted as above.

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 noted as above.

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.

Member Secretary requested utilities of WR for submitting the categorized monthly power cut/Load shedding data viz LS due to constraints of generation, transmission, distribution, commercial reasons in enclosed format in addition to previous report.

The Sub-Committee agreed to furnish as above.

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 noted as above.

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 noted as above.

ITEM NO.3: OPERATIONAL PLANNING

3.1 Proposed Planned maintenance programme of generating units.

The maintenance programme of generating units for December 2015 & January 2016 was discussed.

The finalized outage schedule of generating units for the above period and the modified outages plan is placed at Annexure-3.1.

The Sub-Committee agreed as above.

3.2 OUTAGE PROGRAMME OF TRANSMISSION LINES/ELEMENTS

A. SE(opn), WRPC suggested following procedures for transmission elements outages planning for 479th OCCM onwards:

- 1) The OCC held in the current month (M) shall discuss the line outages for the period from 20th of current Month to 19th of next month.
- 2) **The data for the above line outages shall be positively sent by 3rd working day of current month for outages of said period. OCC will not entertain the request after due date.**
- 3) The compiled data shall be e-mailed to SLDCs /utilities for any comments by 5th working day.
- 4) The line /element outages are of the following types: Routine Maintenance, Constructional and Inter-Regional.
- 5) As per the control areas, IEGC rules and existing practices WR, OCC shall discuss all 400 kV and 765 kV lines outages, irrespective of ownership, all inter-regional/ inter-state lines , all 220 kV lines from ISGS stations. Where outage of a line not covered under the above and wholly under a state, for example a 220 kV line in Gujarat, the agency seeking the outage shall have to approach Gujarat STU /SLDC authorities. If there are any problems, WR OCC may be informed for any assistance required.
- 6) Since line outages are becoming complex, they will be discussed in a pre-OCC meeting with utilities.
- 7) WR OCC typically meets between 10th to 15th of every month. It was decided in 4th NPC meeting that OCC meeting shall be held by all RPCs not later than 20th of every month to leave a clear margin of 10 days to plan & coordinate outages for next month by NLDC.

- 8) Inter-regional outages shall be planned well in advance so that time for co-ordination by NLDC/WRLDC can be done. NLDC shall co-ordinate inter-regional outages under intimation to the concerned RPC/RLDC.
- 9) For construction related outages the dates cannot be exactly planned in advance though the tentative month/ dates may be decided and based on real time conditions the outages can be permitted by WRLDC/SLDC for constructional related category.
- 10) Only those elements planned for maintenance shall be taken for outage subjected to real time condition permitting.
- 11) Urgent/emergency outages not in the above plan shall be taken as per advice of SLDC/WRLDC and information of same to all SLDC / WRPC shall be given.
- 12) **Code Giving Procedure:** Since short term market clearance depends on available transmission capacity & is cleared on day ahead basis, there was a need for better planning. In this regard following was decided in the previous OCC meeting and shall be implemented: (a) All utilities shall confirmed on D-3 about readiness to avail outages (where D is date of outage). (b) WRLDC shall issue code in real time within reasonable time with best effort either the code to avail or cancel depending on real time conditions. (c) All utilities that do not confirm by D-3, those outages shall be deemed cancelled.

The Sub-Committee agreed/noted for the same.

- B. Maintenance programme for transmission lines during the months for December 2015 & January 2016 were discussed.

The outages planned agreed during the meeting is given in Annex 3.2.

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.

The Sub-Committee noted the same.

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 4.5- Details of Declared Capacity, Schedules and Injections from Central sector stations, Drawl Schedules and Entitlements of constituents during November 2015

Annex 4.6 - Inter System Exchanges for November 2015.

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

The Sub-Committee noted.

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 noted as above.

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:

SI No.	Name of constituents	Date of Receipt
1	PGCIL,WRTS-I	04.12.2015
2	PGCIL,WRTS-II	04.11.2015
3	MPPTCL	15.12.2015
4	NTPC	02.12.2015
5	CSPTCL	03.12.2015
6	GETCO	04.12.2015
7	MSETCL	04.12.2015

Constituents of WR were requested to ensure healthiness and sent information to this office regularly as per the recommendation of enquiry committee of Grid disturbances on 25.02.2007 and 28.02.2007.

The Sub-Committee noted.

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.

The present status regarding schedule and commissioning of reactors is as below:

S. No.	400 kV Sub/stn.	Size (MVAR)	Implementing agency	Expected commissioning date
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	January – 2016
6	Bhopal	80 MVAR	MPPTCL	Commissioned on 27 th August 2015
7	ISP	125 MVAR	NHDC	January – 2016
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 rd 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.

Sub-Committee noted as above.

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 current year as per the current information available is as follows: -

S. No.	Name of the Line	Target Completion Date	Remarks
POWERGRID			
1	400 kV Navsari – Kudus D/C Line	Jan -16	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	Jan -16	
7	765 kV Aurangabad (PG) - Padghe (PG) D/C	Jan -16	
8	800kV Champa – Kurukshetra Bipole	Jan -16	
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	Jan -16	
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

CHHATTISHGARH			
1	400 kV Korba west- Marwa 400 kV Marwa- Khedamara		Commissioned on 28.05.2015
2	400 kV DCDS Raipur(Raita)- Jagdalpur(DCDS)	Mar- 2016	
3	220 kV DCDS lines Chhuri to Mopka (Bilaspur), (DCDS)		Ckt-I Commissioned on 08.11.2015. Ckt-II commissioned on 02.12.2015
4	LILO of 220 kV Raigarh-Budipadar at 400 kV PGCIL S/s Raigarh. Ideal charged on 11.8.2015 for no theft reason	Jan -16	Under discussion with Orissa and ERLDC, being taken up by WRPC
5	LILO of 220 Korba (E)- Bishrampur line at 220 kV Churri S/s		Commissioned on 26.04.2015.
GUJARAT			
1	400 kV D/C Mundra-Zerda line No. 1	March -16	
2	400 kV D/C Mundra-Zerda line No. 2	Jan -16	
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	Jan -16	
MADHYA PRADESH			
1	Satpura TPH-Ashta 400KV DCDS Line		1 st ckt commissioned on 30 th March 2015. 2 nd ckt – expected by Nov 2015.
MAHARASHTRA(STU)			
1	400KV D/C line from Koradi-(II) to Wardha S/S(PG) D/C	Jan -16	7.5 km stringing is balance
2	LILO of 400 kV Chandrapur-Parli at Nanded	Jan -16	
3	2x1500 MVA 765/400 kV, ICTs at Ektuni	Jan -16	
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	Jan -16	Line completed, legal issues being resolved
GUJARAT (IPTC route) by WR Transmission (Guj) Pvt. Ltd			
1	400 kV Rajgarh(PG)-Karamsad (GETCO) D/C	Jan -16	Letter written to concerned agency
STERLITE (JTCL)			
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 th June 2015.
3	400 kV Sujalpur-Kota(IR by RTCL)	Jan -16	
STERLITE (BDTCL)			
1	765 kV Vadodara - Dhule (BDTCL) S/C		Charged on 12 th June 2015.
2	765 kV Bhopal- Jabalpur		Charged on 8 th June 2015.
3	765kV Bhopal – Jabalpur		Charged on 8 th June 2015.
4	400 KV Dhule (BD)-Dhule (MS)	Jan -16	Bay completed. SCADA Erection in progress

The Sub-Committee noted as above.

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

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

Name of the Power Projects	Unit No.	Capacity (MW)	Date of Commissioning /Schedule Date
GUJARAT			
SIKKA TPS EXT	3	250	COD-17.09.2015
SIKKA TPS EXT	4	250	Dec-15, First time Synch done
CHHATTISGARH			
Marwa	1	500	January 2016
	2	500	March 2016
MAHARASHTRA			
CHANDRAPUR	8	500	Jan -16
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)
MADHYA PRADESH			
M/s Jhabua Power, Seoni	1	600	Jan -16
Moser Bear (Hindustan power)	2	600	Jan -16
Essar Power MP Ltd(Mahan)	2	600	Jan -16
CENTRAL SECTOR/IPP			
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

Sub-committee noted as above.

ITEM NO. 8: MISCELLANEOUS OPERATIONAL ITEMS

ITEM NO. 8.1: QUARTERLY REVIEW OF CRISIS MANAGEMENT PLAN

SE(O), WRPC requested all the constituents to submit the CMP report for the Second quarter (July 2015 to September 2015) for the year 2015-16.

The Sub-Committee noted as above and agreed to furnish the same.

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

SE(O), WRPC requested all the constituents to submit the status of physical & cyber security in Power Sector for the second quarter (July 2015 to September 2015) for the year 2015-16.

The Sub-Committee noted as above and agreed to furnish the same.

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

During 29th 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.

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 has been issued.

The matter was discussed during 30th TCC/WRPC meeting and WRTS-II, PGCIL has been assigned the role to coordinate & sort-out the issues at the earliest for timeline implementation of project with states & LD&C division of PGCIL.

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.	WRLDC	Main CC	Yes	Done	Done	Done	Complete
		Backup CC	Yes	Done	In Progress	Done	To be done by December 15 end
2.	MPPTCL	SLDC Jabalpur	Yes	Done	Under progress	Done	To be started on 18.12.2015
		Sub-SLDC Bhopal	Yes	Done	started on 15.12.2015	Done	To be started on 25.12.2015
		Sub-SLDC Indore	Yes	Done	In progress	Done	To be started on 25.12.2015
3.	GETCO	SLDC Gotri	Yes	Done	EMS Under progress	Done	To be started after EMS functionality done
		Sub-SLDC Jambua	Yes	Done	EMS Under progress	Done	To be started after EMS functionality done
		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.	CSPTCL	SLDC Raipur	Yes	Done	Done	Done	Complete
		Backup SLDC Khedamara	Yes	In progress to be shifted from Raigarh	In progress	To be tested	Not Started
5.	GOA	Main CC	No	Not Started	Not Started	Not Started	Not Started
		Backup CC	Yes	In progress	Not Started	Done	Not Started
6.	DDED	Magarwada	Yes	Done	Done	Done	To be Started Dec end
7.	DNHED	Silvassa (building ready)	Yes	Not Started	Not Started	Not Started	Not Started

Member Secretary stated that for getting the latest status of Goa, DD & DNH, a letter from WRPC will be issued to senior authorities.

(Accordingly a letter from WRPC has been issued to GOA, DD & DNH on 16.12.2015).

The Sub-Committee noted as above.

ITEM NO. 8.4 LGBR PREPARATION 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 **30th 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 has been prepared which is enclosed at Annexure – 8.4. NTPC Sipat representative informed that Sipat unit # 3 will be taken out from 01.02.2017 to 17.03.2017 for maintenance instead of Sipat unit #1 & Sipat unit -4 will be taken from 04.07.2017 to 28.07.2017.

The Sub-Committee agreed/noted as above.

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 28th WRPC meeting dated 04.03 2015, the utilization of the GGF was in principal agreed and constituents were advised to give schedule accordingly.

In view of above, NTPC 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.

Madhya Pradesh and Gujarat agreed to take up the power to technical minimum as per their share.

CE, SLDC Maharashtra stated that for scheduling of NTPC Gandhar power, they need to take permission from MAHADISCOM.

Member Secreatry,WRPC advised Maharashtra to take up the matter with their power purchase team of Discom and resolve the matter soon. He also advised for the inclusion of Mahadiscom representative as special invitee in OCC forum for commitment on behalf of Discom for various operational matter where SLDC was unable to commit. He has also suggested that if any beneficiary schedules more power, other beneficiaries can schedule proportionately less power to meet at least technical minimum schedule of 149MW.

The Sub-Committee noted as above.

ITEM NO. 8.6 MOUDA UNIT-1 PG TEST .

GM NTPC informed that time schedule for Mouda Unit#1 PG test was deliberated in 473rd 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 477thOCCM.

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 constituents have not supported for providing the schedule. Therefore NTPC Mouda had to over inject in order to complete the mandatory PG Test.

GM, NTPC informed that no beneficiary supported Mouda during PG test except Gujarat.

AGM WRLDC insisted that any decisions taken during any forum of OCC or TCC/WRPC should be adhered to.

CE, SLDC, Gujarat also stated that MOD should not be a constraint for scheduling of stations where PG test is being carried out, as it is a statutory requirement & schedules should be given to such stations.

Member Secretary stated that as PG test is statutory requirement of the units, beneficiaries shall support in Mandatory requirements. He further requested to ensure the decisions taken in OCCM forum shall be honoured by constituents. He has expressed the concern as Maharashtra has not cooperated for the Mouda PG test despite their agreement in OCCM & further advised to call representative of suitable officer from Mahadiscom as a special invitee of OCC meeting for related agenda items.

The Sub-Committee noted as above.

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 30th 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 had been sent to beneficiaries.

GM NTPC requested to beneficiaries for giving standing consent for effective use of URS power.

Madhya Pradesh informed that they have got standing consent from their Power Management Company.

All beneficiaries agreed in principal for providing consent except Maharashtra. Member Secretary, WRPC suggested Maharashtra to consult with their power purchase officials of Mahadiscom & give their consent at the earliest.

The Sub-Committee noted as above.

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 OCC forum of RPCs. 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 OCC forum of RPCs.

Member Secretary, WRPC informed that the validation committee meeting held on 9th December 2015 at NLDC New Delhi where WRLDC, WRPC and WR utilities have attended via VC. Demand & generation data for Q-4(January 2016 to March 2016) was validated despite the decision of validating in OCC forum of RPC. Further it was decided that OCC forum will ratify load & generation data for next quarter onwards Q1(April 2016 to June 2016) positively for the next financial year 2016-17 will be submitted by NLDC in the first week of February & the same will be ratified in OCC of February month.

The Sub-Committee noted as above.

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 476th 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 had not submitted the details.

Representative from MP submitted the point-wise status details which is attached at Annexure 8.9.

The Sub-Committee noted as above.

ITEM NO. 9(A): 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
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-	05-12-15	20:50	07-12-15	08:13	Tripped on Over-Voltage

S No	Name	From Date	From Time	To date	To Time	Reason
	Aurangabad-1					

On the advise of WRLDC, 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.

CM, WRLDC explained that, except for 3 cases in the table given above, all other trippings have been reported due to Over voltage. She requested PGCIL to confirm whether the trippings were in order and checked for any CVT error or protection mis-operation.

Representative from PGCIL confirmed that the tripping were in order and in all cases as per their D/R the voltage touched 819 KV. PowerGrid WRTS1 further informed that the O/V setting of 765kV Wardha-Aurangabad ckt 3&4 was changed from 107% to 108% on 24th NOV 15 and after that the tripping in ckt 3&4 are not reported..

Regarding the Inadequacy of Shunt Reactors at Wardha and Aurangabad, WRLDC has taken up the matter in the 39th standing committee meeting held on 30th Nov15.

CM, WRLDC further enquired about the status of line reactors of ckt-2&4 at Wardha end and the possibility of using line reactors as bus reactors at Aurangabad S/S. WRTS-I informed that line reactor at Wardha end of ckt-2 as well as Ckt4 is commissioned and

issue related to CSD relays will be sorted out in next One month and after that it will be available to be used as Bus Reactor. They further intimated that there was no scheme of converting line reactors as Bus reactor at Aurangabad end for Wardha lines.

CE, SLDC Maharashtra stated that load at Aurangabad is on 400kV & 220kV side, which will not affecting the 765kV, therefore there is no question of inadequacy anchoring at Aurangabad.

Member Secretary, WRPC suggested the out of four existing ckt, three ckt shall be operated to minimize the over voltage problem till all the reactors envisaged are in commissioned.

The Sub-Committee noted as above.

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

As per the decision taken in 477th 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 478th OCC meeting on 15.12.2015 at Tarapur. The formats(enclosed at **Annexure – 9.2**) for furnishing the data for existing status and settings of RGMO/FGMO is still awaited.

The detailed analysis of all plants were displayed by CM, WRLDC. It was observed that frequency response from Sipat stage I &II and Vindhyachal stage II and IV were quite encouraging. Response as percentage of ideal response for these stations are 34, 42, 31 and 28% respectively.

However there was poor response observed for APML Tiroda(only 5%) and KSTPS stage III(13%) and absolutely no response was observed from CGPL, APL,Mundra, Sasan and JPL Tamnar.(Response calculation is attached as Annexure –9.2A)

AGM(WRLDC) submitted that when thermal units like Sipat stage I&II , Vinndhyachal stage 2&4 have shown positive response in WR, other stations are also required to activate/increase their frequency response for security of Grid during contingent situation.

GM(Electrical), JPL intimated that out of 3x600MW, mostly one unit is in service in maximum time & JPL had put RGMO in service with a droop setting of 5% from the month of Nov 2015.

It was agreed that Sasan, CGPL, Adani, JPL will go into the details and will ensure their participation from next event onwards. Further they will report back the actions taken during the next OCC.

Member (Secretary) emphasized that it is mandatory for all eligible generators to support the primary Response and henceforth the frequency response characteristics of all eligible stations will be analyzed whenever there is loss of load or generation more than 1000 MW.

The Sub-Committee agreed as above.

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.

AGM, WRLDC stated that, the Ex-bus DC is not being furnished by KAPS and TAPS which results in discrepancy in drawal schedules issued to the beneficiaries particularly when the KAPS/TAPS units trip or are restored.

GM, WRLDC explained that even though Nuclear stations are not covered under DSM mechanism, their beneficiaries are affected whenever the schedules are changed due to tripping/restoration of nuclear units. He requested NPCIL to furnish the block-wise Ex-bus DC to avoid discrepancy in drawal schedules issued to the beneficiaries . It was also requested to revise the schedule when the KAPS/TAPS units trip or are restored so that the entitlements are revised accordingly. NPCIL agreed to furnish the same and requested WRLDC to send the required format.

Member Secretary, WRPC requested to KAPS & TAPS to furnish the same regularly with immediate effect and agreed for taking up with senior authorities of KAPS & TAPS(WRPC wrote a letter no. WRPC/OPN/2015-16/1595 date 21.12.2015)

The Sub-Committee agreed as above.

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.

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

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

PROPOSED DATE FOR BLACK START MOCK DRILL OF HYDEL POWER		
Sl. No.	Name of Power Station	Date of Mock Drill
1	Birsingpur	Governor Problem
2	Indira Sagar Project	17th Nov 2015
3	Rajghat	Governor Problem
4	Madhikheda	Governor Problem
5	Gandhi Sagar	27th Nov 2015
6	GTPS Uran	24 rd Nov 15
7	Koyna Hydro Station	7 th 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
Total	29	1	9	5	10	8

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.

CE, SLDC Gujarat intimated via Email that the black start mock drill exercise for SSP RBPH units were successfully done on 20.12.2015.

Member Secretary, WRPC requested all constituents/regional entities to plan and complete the blackstart mockdrill exercise of their black start units for compliance of IEGC regulation 5.8(b).

The Sub-Committee noted as above.

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

GM, WRLDC informed that the need for UVLS for system security was recognized and discussed during last several OCC meetings. In the 475th 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 476th OCCM CE, SLDC Maharashtra has stated that the three low voltage pockets for the implementation of UVLS Scheme are Lonikand, Bableshwar and Padgha. The matter was discussed in Standing Protection committee meeting of MSETCL and the scheme will be implemented within 2-3 months period.

GM, WRLDC emphasized the need of UVLS scheme and reiterated that this would help the grid in case of contingencies occurring due to bus fault or multiple trippings as observed on 5th May15 at Babaleswar. SLDC, MSETCL informed that they have planned UVLS schemes at Lonikhand, Babaleswar, Padghe and Jejuri with setting at 370kV and would be implemented by Dec15 end.

Member Secretary, WRPC requested to expedite the same.

The Sub-Committee noted as above.

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 476th 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 30th Nov 2015. The earlier date for completion was 30th Sep 2015.

CE(SLDC), Maharashtra intimated that out of 6 , data from 4 nodes have been already started coming to SLDC Kalwa. However WRLDC representative intimated that no such improvement is being seen at WRLDC. CE(SLDC) confirmed that ICCP will be established by end of DEC15.

The Sub-Committee noted as above.

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 20th Dec 2015.

The Sub-Committee members have agreed for the same.

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>

WRLDC explained the major changes made in Recovery procedure 2015 as follows

- Network changes since Jan'2015,
- Learnings from different Black Start Mock Drills in 2015 & Incorporation of a New Reporting format in the Annexure part,
- Traction Supply Arrangement for Indian Railways,
- Mumbai Islanding Scheme,
- Start-up Paths for Existing & New Thermal Units Commissioned in 2015,
- Shunt Compensation in the start-up path.
- Inputs received from Gujarat, Chhattisgarh, WRTS-I, Indian Railways(Western & Central Railways),Torrent power and Tata power have incorporated in the Recovery Procedure,2015.

Member Secretary, WRPC requested WR utilities to expedite the same.

The Sub-Committee members noted the same.

SUPPLYMENTARY AGENDA:

ITEM NO: SA1: DRAWAL OF POWER FOR COMMISSIONING ACTIVITIES OF KAPP 3&4.

Additional Chief Engineer(Electrical), KASP -3 & 4 informed vide letter dated 10.12.2015 that proposed KAPP-3&4 Nuclear Plant at Kakrapar, Gujarat, station having installed capacity of 2*700MW is nearing its commissioning stage. Power evacuation of the proposed plant shall be through 400 kV ISTS network. Station Auxiliary power shall be drawn from the extension of existing 220 kV bus of KAPS 1&2. The commission activities of Unit#3 of KAPP will be commencing from end of December 2015 and the plant is likely to be commissioned by end 2016. It is, therefore, proposed to draw the commissioning power from the exiting KAPS 1&2 and consider the same as additional auxiliary consumption of KAPS 1&2. KAPS 1&2 shall accordingly declare availability of X-bus by deducting its own auxiliary power consumption and the start-up and commissioning power required for KAPS-3.

During the meeting all the beneficiaries of KAPS-1&2 agreed that the commissioning power required for KAPS-3 may be drawn from the exiting KAPS 1&2 and treating the

same as additional auxiliary consumption of KAPS 1&2. It was also agreed that KAPS 1&2 shall accordingly declare availability of Ex-bus by deducting its own auxiliary power consumption and the start-up and commissioning power for KAPS-3.

The Sub-Committee noted as above.

ITEM NO: SA-2: LOAD SHEDDING/POWER CUT DETAILS

Utilities of Western Region are submitting the data of Power cut/load shedding on monthly basis without categorizing it. As per decision taken in 4th National Power Committee held on 10.12.2015 at New Delhi, it has been decided that LS may be categorized on the basis of reasons. Therefore the data of Power cut/load shedding may also be submitted by utilities in the following format by the second working day of the next month.

Hourly	Power cut due to Low generations	Power cut due to Transmission constraints	Power cut due to Distribution constraints	Power cut due to Financial/commercial constraints	Any other reasons	Total
01:00						
02:00						
23:00						
24:00						

Member Secretary, WRPC requested that the above information/data along with data in old format shall be submitted to this office latest by the 2nd working day of each month for onward transmission to CEA, New Delhi.

The Sub-Committee members have agreed to furnish the same in desired format.

ITEM NO: SA-3: PROCEDURE FOR CARRYING OUT QUARTERLY CERTIFICATION OF HEALTHINESS OF UFRS AND DF/DT RELAYS

1.0 Background:

1.1 Section 9 of Grid Standard 2010 notified by CEA requires all Entities to set their Under Frequency Relays (UFR) and rate of change of frequency with respect of time (df/dt) Relays in their respective systems, in accordance with the plan made by the Regional Power Committee, to provide adequate load

relief for grid security and ensure the operation of these relays at the pre-set value of frequencies.

- 1.2 Further, the Section 5.2 (n) of IEGC stipulates that all STUs/distribution licensees shall provide automatic under-frequency and df/dt relays for load shedding in their respective systems, to arrest frequency decline that could result in a collapse/disintegration of the grid, as per plan separately finalized by concerned RPC and shall ensure its effective application to prevent cascade tripping of generating units in case of any contingency.
- 1.3 As per Section 5.2 (m) of IEGC, RPC Secretariat shall carry out periodic inspection of the under frequency relays and maintain proper records of the inspection. RPC in consultation with RLDC shall decide and intimate the action required by Regional entities/STUs to get required load relief from Under Frequency and Df/Dt relays. All Regional entities/STUs / Licensee shall abide by these decisions.
- 1.4 In order to ensure healthiness of under-frequency and df/dt relays, that OCC shall develop guidelines to be followed by STUs for testing and self-certification.

2.0 Methodology for Certification of healthiness of the UFRs and df/dt Relays adopting by NRPC New Delhi.

- 2.1 The STU should carry out mock test of UFR & df/dt Relays once in six months.
- 2.2 The STU should carry out actual tripping of the feeder through df/dt or UFR at least once in a year.
- 2.3 Sub-station In-charge should inform the SLDC before carrying out the testing of UFRs and df/dt relays.
- 2.4 Just before testing, the UFR or df/dt relay should be decoupled from the grid frequency input and should couple it with output of Frequency Generator.
- 2.5 Results of the test should be recorded and conveyed to SLDC of the state. The SLDC after verification should submit quarterly report in respect of the entire state system to WRPC Secretariat within 15 days of the end of the quarter. The format for submission of the report is enclosed as **Annex-SA - 2.5.**
- 2.6 In case of tripping of feeders on UFR and df/dt based load shedding scheme, the STUs will submit the information in the format submitted as **Annex-SA-2.6.**

3.0 Methodology for Certification of healthiness of the UFRs and df/dt Relays being accepted by WRPC Mumbai.

- 3.1 The STU should carry out mock test of UFR & df/dt Relays once in six months.
- 3.2 Sub-station In-charge should inform the SLDC before carrying out the testing of UFRs and df/dt relays.

3.3 Just before testing, the UFR or df/dt relay should be decoupled from the grid frequency input and should couple it with output of Frequency Generator.

3.4 Results of the test should be recorded and conveyed to SLDC of the state. The SLDC after verification should submit half-yearly report in respect of the entire state system to WRPC Secretariat within 15 days of the end of the half year. The format for submission of the report is enclosed as **Annex-SA -2.5**.

WRPC constituents felt that actual tripping of feeders as given in NRPC procedure will create a wider disturbance & needs Discoms permission & therefore should be avoided. As agreed in 4th NPC meeting only 10-20% of UFR relays will be inspected by a small group comprising of Engineers from WRPC, WRLDC, SLDCs & testing group of STU to carry out periodic inspection of under-frequency and df/dt relays to ensure healthiness, and maintain proper records of the inspection.

After due deliberation above methodology was agreed by WRPC constituent members.

The Sub-Committee noted as above.

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

478th OCC reviewed the meeting roaster and finalized sheet is enclosed at Annexure-10. As per roster 479th OCC meeting would be hosted by CGPL in the month of January 2016. CGPL confirmed that the meeting will on 11th & 12th January, 2016 at Mundra/Bhuj.

Further 479th OCC meeting would be hosted by NTPC Vindhyachal in the month of February 2016.

The Sub-Committee noted as above.

Attendance Sheet

478th OCC Meeting held at TAPS-3&4 TARAPUR

Sr No	Name	Designation	Organisation	Signature	Mobile No/Email
1.	S.D. Taksavale	MS	WRPC		
2.	V.K. Gupta	Dir (CO)	WRPC		
3.	LKS Bature	Dep. Dir (CO)	WRPC		
4.	Ramesh Kumar	Asst. Dir (CO)	WRPC		
5.	P.C. Upadhyay	DGM (CO)	Sasan Bawli Ltd.		9770570525
6.	NAVSN TINGUESA	Gm (E&S)	Tanjore Power Ventures Ltd.		8349788717
7.	Arkabhai Mathhus	GM	APML		9870663062
8.	Ramakant Upadhyay	Dy. Manager	KSK Mahandi Power Co. Ltd.		7869516080 ramakant.u@ksk.co.in
9.	Prakash Gadave	AGM	Tata Power Mumbai		9223553341 prgadave@tatapower.com
10.	Ajit . v . Pathar	Ex Engr	MSPGCL Ho, purnadi		8879770736 ajitavpathar@gmail.com
11.	B B Mehta	C.E.	SLDC Guj		9879100736 bbm@pdmvi.com
12.	S. S. Kulkarni	CE (SLDC)	MSETCL		ceslde@mahaslde.in arsanjaykulkarni@gmail.com

Sr No	Name	Designation	Organisation	Signature	Mobile No/Email
13.	D. K. Rokade	SE (GR)	M.S.L.D.C.		9167831551 dshokade@gmail.com
14.	D. J. Kolhe	TE (OP)	MSLDC		9820981115
15.	K. G. Patel	DE	GSECL		9925210977 det.gsec@gmail.com 09425805019
16.	SANJAY K. MEHTA	EE, SDC MPPCL	MPPCL		mehtasanjay67@gmail.com Newartdeota@gmail.com
17.	H.K. Doota	SE SDC Chattisgarh	CSPTCL		9425066433
18.	M.A.K.P. SINGH	Member (Power)	NCA		makpsingh@yahoo.com 9522307032
19.	Naveen Uttamwar	AGM Operation	DB Power 2		naveen.uttamwar@dbpower.in 7898902620
20.	Binod Sahoo	GM (Tech)	TPL, Tamwar Raisach.		binod.sahoo@indalpower.com 8085970464 rajkumar.dhawalbary@indalpower.com
21.	Rajkumar dhawalbary	GM (OPN)	TPL, Tamwar Raisach		8085970464 rajkumar.dhawalbary@indalpower.com
22.	O. J. SHARMA	Sr. Manager	ESIL HAZIKA		9829101288 otsharma@eter.com.
23.	ASHWIN ANDE.	Asst. Manager	EPTEL, Hazira.		9909993594 ashwin.ande@essas.com.
24.	P. G. PATEL	GM (TRANS)	TORRENT POWER GAD UD		9624374005 pgramadpatel@torrentpower.com
25.	Prhazet M. Patel	Manager (MPP)	TORRENT POWER (MPP)		9336225477 prhazetm.patel@gmail.com
26.	U.V. Likhite	Head. OPN	CGPL		9222997572 uvlikhite@gmail.com

Sr No	Name	Designation	Organisation	Signature	Mobile No/Email
27.	Bharat Pingankar	Asst (Sr)	EMR WATER SUPPLY LTD (Emro)		839090359 bharat.pingankar@gmail.com
28.	Abhishek Kr Gupta	Manager	WRDC		9869404650 abhishek_all@yahoo.com
29.	MANOJ TANUJ	Asst M	Adani Power		9099005512 manojtanuj14@adani.com
30.	PRAYAS GUPTA	Asst.	Adani Power Ltd		Prayasm.gupta@adani.com 8435000779
31.	T. Rajesh Kumar	Manager	Rkm purnaguruda		t.rajeshkumar@rkmpurnaguruda.com 8466903034; vivek.k@5d
32.	VIVEK KARTHICKAN	Asst M	sterilit, Emro		
33.	Rupal Akhwal	O.S.	KAPPA-384 NPCI		9409309227, rupalakhwal@gmail.com
34.	N. Ahmad	Asst M (O)	NTPC Korba		9425534460, n.achmad@gmail.com
35.	P. B. BEHERE	Asst M (Asst)	NTPC WR		9004497088 / pbbehere@ntpc.co.in
36.	Ravi Wadalkar	Manager	POWERGRID - WR-I		9423762547 / ravi.wadalkar@powergrid.in
37.	कुलेश्वर शर्मा	Asst M (Asst)	POWERGRID - CG		9425294214 / kuleshwar55@gmail.com
38.	अशोक शर्मा	Asst M (Asst)	POWERGRID - WR-II		9428804062 / a.verma@powergrid.in
39.	Sankha Mishra	Asst M	WRDC, Posoco		9869450223 / mishra.sankha@gmail.com
40.	Pushpa-S	Ch. Mgr	WRDC Posoco		9869404482 / pushpa-seelam@gmail.com

Sr No	Name	Designation	Organisation	Signature	Mobile No/Email
41.	V R Shrivastava	Addl GM	WRCB		9869450221 vrs@Pesterglobalindia.com prkrishna@gmail.com
42.	P. MURTHY	GM	WRCB		9403934928 pmurthy@npcil.co.in
43.	A.S. Goel	SO/ R	TAPS LTD		9403934928 asgoel@npcil.co.in
44.	R.K. Agrawal	DGM	HTPC Ltd.		9403934928 rkagr@npcil.co.in
45.	S.K. SHRIVASTAVA	AGM	NTPC LTD.		skshrivastava69@ntpc.co.in
47.	D. SHRIKHANDU	AGM	—		dshrikhandu@ntpc.co.in
48.	A.K. CHANDLIYA	DGM	—		akchandliya@ntpc.co.in
49.	P.P. CHATTERJEE	Sr. Mgr	—		ppchatterjee@ntpc.co.in
50.	H.N. SORANI	SO/ E	KAPS 1 & 2 NPCIL		ybbhatt@npcil.co.in rgpatnax@npcil.co.in
51.	Prashant Karpe	EE	Sterilite Goid		prashant.karpe@sterilite.com 8390152777
52.	S K DUBEY	DGM (D)	MB POWER MP LTD		santosh.dubey@mbpppl.in +91 7773011742
53.	R. C. SINGH	SCE (G)	TAPS-3&4		rcsingh@npcil.co.in; 800
54.					

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	420	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	394
4	417	391	415	394	433	409	430	388	415	395	417	405	420	411	416	395
5	417	392	415	394	433	405	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	385	418	398	420	407	421	408	414	400
8	419	396	417	397	433	409	428	393	415	401	420	407	421	412	416	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	418	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	427	418	414	400
13	418	395	415	396	439	418	431	393	420	404	422	414	422	413	414	399
14	419	399	416	397	438	417	431	400	420	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	432	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	424	409	417	401	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	392	432	413	429	395	419	403	421	411	422	407	413	402
	420	391	418	392	439	405	432	385	420	395	424	405	427	401	416	394

दिनांक	बिना		ग्रताविग		नागदा		खडवा		सिपत		सिन्नि		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	395	770	750	791	756	798	758	793	757
3	420	404	406	390	419	386	426	401	771	750	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	386	426	401	775	752	782	750	795	754	789	749
7	424	401	409	385	423	396	427	397	779	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	426	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	800	752	791	748
18	425	404	417	385	426	398	428	403	761	761	793	758	798	747	788	747
19	414	401	413	396	426	404	430	407	761	761	794	764	791	758	787	759
20	412	396	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	432	407	761	761	794	761	795	752	794	758
24	418	401	408	386	423	395	430	408	771	758	789	763	795	746	789	757
25	415	399	434	426	423	395	430	408	771	758	790	760	792	742	787	747
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	743	790	752	784	754
30	415	401	410	396	421	396	426	402	772	751	793	763	787	754	784	756
	426	396	434	385	426	386	432	395	779	750	794	743	800	742	794	747

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
Recommended Load relief at 49.2 Hz / 49.0/48.8/48.6 Hz			1025		91		490		851

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	शून्य Nil	शून्य Nil	शून्य Nil
	2.Staggering of power supply	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	
(A) Scheduled				
(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) Un-Scheduled				
(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.	एएलटीपीएस 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 टोपीपो AMRAVATI TPP(INDIABULL)-5	RATTAN POWER INDIA LTD	270	14:22	03-04-2015	10:41	09.11.2015	TURBINE SHAFT VIBRATIONS
63.	अमरावती टोपीपो 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 टोपीपो 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 टोपीपो 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 (MW)	Outage as per Annual Maintenance Plan		Reason
				From	To	
1	GUVNL					
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
2	MPPGCL					
				NIL		
3	CSPGCL					
3.1	DSPM-1	1	250	14/12/2015	04/01/2016	AOH
3.2	Korba East-2	2	50	23/01/2016	07/02/2016	AOH
4	MSPGCL					
4.1	EMCO	2	300	10.01.16	05.02.16	AOH
4.2	DTPS-DAHANU	1	250	03.01.16	24.01.16	AOH
4.3	TROMBAY	5	500	27.01.16	05.02.16	AOH
4.4	TROMBAY	8	250	07.02.16	14.02.16	AOH
4.5	TROMBAY	6	500	17.02.16	22.03.16	AOH
5	Central Sector					
5.1	VINDHYACHAL	6	500	15-Jan-16	16-Feb-16	CAP+BLR+GEN+ESP R&M DVR REPLACEMENT WITH STATIC VR
5.2	KORBA	1	200	27-Jan-16	01-Mar-16	R&M WORK

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	TAPS-BORIVILI	16-Dec-15	8:00	5-Jan-16	18:00	CONT.	TOWER ERECTION WORK	MSETCL	MSETCL	
2	132	132 kv R P Sagar-Gandhi Sagar-1 & 2	17-Dec-15	8:00	17-Dec-15	18:00	Daily	For stringing work of 400 kv Rapp-Sujalpur line	NRPC	RRVPLN	
3	400	PADGHE 400/220 KV 600 MVA ICT4	17-Dec-15	8:00	21-Dec-15	18:00	CONT.	ABNORMAL DGA	MSETCL	MSETCL	Load will be managed by Kalwa SLDC
4	220	220 kv Modak-Badod	18-Dec-15	8:00	18-Dec-15	18:00	Daily	For Stringing work of 400 KV RAPP-Sujalpur Line between Location No. 174 to 175 of 220 KV D/C Kota-Barod Line	NRPC	RRVPLN	
5	400	DHULE 400/220 KV ICT3 500 MVA	19-Dec-15	8:00	19-Dec-15	18:00	Daily	MAINT WORK	MSETCL	MSETCL	Load will be managed by Kalwa SLDC
6	765	Dhule-Vadodara-S/c	20-Dec-15	6:00	19-Jan-16	18:00	Daily	OPGW WORK AR OFF	STERLITE	STERLITE	
7	765	Dhule-Aurangabad-S/c	20-Dec-15	6:00	19-Jan-16	18:00	Daily	OPGW WORK AR OFF	STERLITE	STERLITE	
8	765	Bhopal-Indore-S/c	20-Dec-15	6:00	19-Jan-16	18:00	Daily	OPGW WORK AR OFF	STERLITE	STERLITE	
9	765	Bhopal-Jabalpur-S/c	20-Dec-15	6:00	19-Jan-16	18:00	Daily	OPGW WORK AR OFF	STERLITE	STERLITE	
10	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	Only one outage from a single node and parallel corridor
11	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	Only one outage from a single node and parallel corridor
12	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	Only one outage from a single node and parallel corridor
13	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/W R-II	Only one outage from a single node and parallel corridor
14	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	Only one outage from a single node and parallel corridor
15	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	Only one outage from a single node and parallel corridor
16	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	Only one outage from a single node and parallel corridor
17	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	Only one outage from a single node and parallel corridor
18	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
19	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	MB Power / MPPTCL consent required. Date may be decided after consulatation with MB Power and MPPTCL
20	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
21	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	Only one outage from a single node and parallel corridor
22	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	Only one outage from a single node and parallel corridor

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					
23	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	Only one outage from a single node and parallel corridor
24	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	Only one outage from a single node and parallel corridor
25	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	Only one outage from a single node and parallel corridor
26	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	Only one outage from a single node and parallel corridor
27	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	Only one outage from a single node and parallel corridor
28	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	Only one outage from a single node and parallel corridor
29	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	Only one outage from a single node and parallel corridor
30	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	Only one outage from a single node and parallel corridor
31	400	Vindhychal 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	Only one outage from a single node and parallel corridor
32	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	Only one outage from a single node and parallel corridor
33	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	Only one outage from a single node and parallel corridor
34	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	Only one outage from a single node and parallel corridor
35	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	Only one outage from a single node and parallel corridor
36	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	Only one outage from a single node and parallel corridor
37	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	Only one outage from a single node and parallel corridor
38	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	Only one outage from a single node and parallel corridor
39	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 polution.	PGCIL	WR-II	C
40	400/20	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

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					
41	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
42	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	Only one outage from a single node and parallel corridor
43	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	Only one outage from a single node and parallel corridor
44	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	Only one outage from a single node and parallel corridor
45	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	Only one outage from a single node and parallel corridor
46	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	Only one outage from a single node and parallel corridor
47	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	Only one outage from a single node and parallel corridor
48	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	Only one outage from a single node and parallel corridor
49	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
50	400	Bhilai -- Bhadrawati TL	20-Dec-15	9:00	20-Dec-15	17:00	Daily	AMP Work	WRTS-I	WRTS-I-C	R
51	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	
52	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
53	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
54	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
55	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
56	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
57	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-C	Only one outage from a single node and parallel corridor
58	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-C	Only one outage from a single node and parallel corridor
59	400	Chakan-Talegaon	20-Dec-15	7:00	05-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	Only one outage from a single node and parallel corridor
60	400	Aurangabad - Babhaleshwar	20-Dec-15	7:00	19-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	Only one outage from a single node and parallel corridor
61	400	Kalwa-Padghe -1	20-Dec-15	7:00	19-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	Only one outage from a single node and parallel corridor
62	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	

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	Satna - Bina Ckt. 1& 2	20-Dec-15	8:00	19-Jan-16	18:00	Daily	Online permit for PID testing of insulator strings. Auto reclose selector switch to be kept in non auto mode for both circuits during PID testing.	PGCIL	WR-II	Only one outage from a single node and parallel corridor
64	400	Itarsi -Khandwa 1&2	20-Dec-15	8:00	19-Jan-16	18:00	Daily	Online permit for PID testing of insulator strings. Auto reclose selector switch to be kept in non auto mode for both circuits during PID testing.	PGCIL	WR-II	Only one outage from a single node and parallel corridor
65	400	Khandwa - Dhule1&2	20-Dec-15	8:00	19-Jan-16	18:00	Daily	Online permit for PID testing of insulator strings. Auto reclose selector switch to be kept in non auto mode for both circuits during PID testing.	PGCIL	WR-II	Only one outage from a single node and parallel corridor
66	220	Kakrapar - Vapi Ckt.2	20-Dec-15	8:00	20-Dec-15	18:00	Daily	Replacement of all porcelain disc insulator strings with CLR polymer insulators to avoid undesirable line trippings due to heavy pollution and dense fog in winter season	PGCIL	WR-II	C
67	400	400kV Rourkela - Raigarh II Line	20-Dec-15	8:00	24-Dec-15	17:00	Daily	For insulator replacement in river crossing, NH/SH crossing, Railway crossing etc.	ERPC	ER-II	
68	400	KALWA-KHARGHAR	20-Dec-15	6:00	22-Dec-15	9:00	Daily	PAITING OF TOWER BY ANTICORROSION	MSETCL	MSETCL	
69	765	Jabalpur-Bina-1	20-Dec-15	8:00	26-Dec-15	18:00	Daily	A/R in Non Auto mode for additional earthing	WRTS-2	WRTS-2	Only one outage from a single node and parallel corridor
70	400	Sujalpur-Nagda-1	20-Dec-15	9:00	19-Jan-16	18:00	Daily	Online A/R in Non Auto mode for PID testing			Only one outage from a single node and parallel corridor
71	400	Gandhar - Sugan	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 selector switch to be kept in non auto mode for both circuits during PID testing.	PGCIL	WR-II	C
72	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
73	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
74	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
75	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 / Ste	C
76	400	Jabalpur - Itarsi # 4	21-Dec-15	10:00	22-Dec-15	18:00	Daily	For replacement of Twin to Guard Conductor between Breaker Gantry to Line Terminal Gantry at Jabalpur SS as under Jabalpur Pooling extension work. For CSD commissioning works at Itarsi SS	PGCIL	WR-II	C
77	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/Normalisation from 765kV Dharmjaygarh # 4 R Phase of Reactor Bank.	PGCIL	WR-II	C
78	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
79	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	Gujarat SLDC consented for this outage
80	400	411- Sugan-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
81	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

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					
82	400	Kolhapur(GIS)-Mapusa # 1	21-Dec-15	9:00	21-Dec-15	17:00	Daily	PID kit Demo. A/R in Non- Auto Mode	WRTS-I	WRTS-I	R
83	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	WR-SR TTC revision required
84	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	WR-SR TTC revision required
85	400	Bhadrawati-Parli # 1	21-Dec-15	7:00	19-Jan-16	18:00	Daily	Auto reclose in Non auto mode for 400 KV Bhadrawati-Parli # 01 for OPGW stringing	WRTS-I	WRTS-I	C
86	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
87	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	MSETCL(Aurangabad) Consent required
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	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
96	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
97	220	220KV Jhanor- Haldhrwa-2	21-Dec-15	8:00	22-Dec-15	18:00	Continuous	Annual Bay maintenance	NTPC	NTPC	
98	220	Kawas-Hal#1	21-Dec-15	9:00	21-Dec-15	18:00	Continuous	ISOLATOR ALIGNMENT & ES MOTOR REPLACEMENT & ALIGNMENT.	NTPC	NTPC	
99	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	
100	400	CGPL Bus Reactor	21-Dec-15	6:00 AM	21-Dec-15	06:00PM		Isolator 418 L Modification	CGPL	CGPL	
101	765	Akola-1 Main 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	400	J P NIGRI-SATNA-1	21/Dec/15	8:00	21/Dec/15	18:00	daily	MAINTENANCE WORK	JPNIGRI	JPNIGRI	STOA will be curtailed. Gen will be restricted
103	400	ICT # 1 Main Bay(410) at Gwalior	21-Dec-15	10:00	21-Dec-15	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
104	220	Kakrapar - Vapi Ckt.1	21-Dec-15	8:00	21-Dec-15	18:00	Daily	Replacement of all porcelain disc insulator strings with CLR polymer insulators to avoid undesirable line trippings due to heavy pollution and dense fog in winter season	PGCIL	WR-II	C
105	400	APL - Phase # 4 - Bus - 1	21-Dec-15	9:00	22-Dec-15	19:00	Daily	For Annual Maintenance of bay equipment	APL	APL	R
106	765	765KV NRNC-DHARAMJAI GARH-1	21-Dec-15	8:00	24-Dec-15	18:00	Daily	MODIFICATION WORK FOR ENTRY OF 765 KV RNC - DHARAMJAYGARH -2 AT	ERPC	ER-I	
107	765	ICT-2 at Vindhyachal Pooling SS	21-Dec-15	10:00	22-Dec-15	19:00	Daily	Spare ICT unit commissioning with ICT-I	PGCIL	WR-II	C
108	765	Vindhyachal-Satna 2 Main Bay (716Bay), 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

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					
109	400	Kolhapur (GIS) -Kudgi # 1	22-Dec-15	9:00	22-Dec-15	17:00	Daily	PID kit Demo. A/R in Non- Auto Mode	WRTS-I / SRTS-I	WRTS-I	R
110	765	765/400 kV AT-1 (Main bay 712) at Seoni	22-Dec-15	8:00	22-Dec-15	14:00	Daily	AMP works (CT Dew point)	WRTS-I	WRTS-I	R
111	400	400/220 KV ICT-II (Tie bay 405) at Seoni	22-Dec-15	8:00	22-Dec-15	14:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
112	765	Seoni- Bilaspur -II (Main bay 716) at Seoni	22-Dec-15	14:00	22-Dec-15	18:00	Daily	AMP works (CT Dew point)	WRTS-I	WRTS-I	R
113	400	400/220 KV ICT-II (Tie bay 405) at Seoni	22-Dec-15	14:00	22-Dec-15	18:00	Daily	AMP works (CT Tan delta)	WRTS-I	WRTS-I	R
114	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
115	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
116	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
117	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
118	765	765kV Jabalpur - Dharmjaygarh # 2 Line along with Line Reactor at	22-Dec-15	9:00	22-Dec-15	18:00	Daily	765kV Bus # 2 Spare Reactor Phase Commissioning with Dharmjaygarh # 2 R	PGCIL	WR-II	C
119	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
120	765	Vindhyachal-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
121	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
122	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
123	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
124	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
125	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
126	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
127	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
128	220	Raipur- Urla TL	22-Dec-15	9:00	22-Dec-15	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
129	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
130	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
131	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
132	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
133	400	VINDHACHAL BUS COUPLER-3	22-Dec-15	9:00	23-Dec-15	18:00	Continuous	Annual Maintenance	NTPC	NTPC	
134	220	DAMOH (PG) - SAGAR CKT	22/Dec/15	9:00	22/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
135	220	PANDHURNA - KALMESHVAR CKT	22/Dec/15	9:00	22/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
136	220	MAHALGAON(GWL) - GWL (PG) CKT - I	22/Dec/15	9:00	22/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
137	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	

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					
138	400	New Koyna – Karad I	22-Dec-15	8:30	22-Dec-15	17:30	Daily	Routine Maintenance Work	MSETCL	MSETCL	
139	400	CGPL Bus Reactor	22-Dec-15	6:00 AM	22-Dec-15	06:00PM		Isolator 418 L Modification	CGPL	CGPL	
140	400	ICT # 3 Main Bay (413) at Gwalior	22-Dec-15	10:00	23-Dec-15	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
141	765	Gwalior - Jaipur ckt.1	22-Dec-15	8:00	22-Dec-15	20:00	Daily	For attending / fixing of theft tower members (AWL) at various theft prone locations of line.	PGCIL	WR-II	C
142	400	Rajgarh-SSP-1	22-Dec-15	7:00	26-Dec-15	18:00	Daily	Replacement of defective Insulator	MPPTCI	MPPTCL	
143	400	Bhachau-Ranchodpura Ckt# 1&2 (Both the circuits)	22-Dec-15	8:00	23-Dec-15	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	CGPL Generation restriction required
144	765	1500 MVA ICT-I at Vindhychal Pooling SS	23-Dec-15	10:00	24-Dec-15	19:00	Daily	Spare ICT unit commissioning with ICT-II	PGCIL	WR-II	C
145	400	400/220kV, 600MVA ICT -II @Kalwa	23-Dec-15	8:00	31-Dec-15	18:00	Continuou s	For Replacement of Y&B ph units of 200 MVA of 600MVA ICT II	MSETCL	MSETCL	Contingency plan will be furnish by SLDC Kalwa and Load will be managed by SLDC Kalwa
146	765	Indore Bhoapl line	23-Dec-15	10:00	25-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/ Ster	R
147	765	Bus Reactor at Kotra PS	23-Dec-15	10:00	23-Dec-15	14:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
148	400	Magarwada - Kala 1 &2	23-Dec-15	9:00	24-Dec-15	18:00	Daily	Replacement of theft tower members in Multi circuit towers (above waist level)	PGCIL	WR-II	C
149	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
150	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
151	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
152	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	Consent of MPPTCL required
153	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
154	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
155	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
156	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
157	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	CGPL	WR-II	R
158	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
159	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
160	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
161	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

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					
162	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 Bhadrawati Chandrapur # 4 will be out of service during the period.Auto reclose shall be kept in Non auto mode for 400 Kv Bhadrawati Chandrapur # 3 line is required.	WRTS-I	WRTS-I	C
163	220	Solapur Kumbari Line #1	23-Dec-15	9:00	23-Dec-15	18:00	Daily	AMP Work and Isolator Alignment	MSETCL	WRTS-I	R
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	220	Korba Budhipadar Ckt # 3	23-Dec-15	8:00	26-Dec-15	18:00	Continuous	CB Overhauling	WRTS-I	WRTS-I-C	R
173	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
174	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
175	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
176	400	SEONI- SARNI Ckt	23/Dec/15	9:00	23/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
177	220	MAHALGAON(GWL) - GWL(PG) CKT - II	23/Dec/15	9:00	23/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
178	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	
179	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	
180	765	Gwalior - Jaipur ckt.2	23-Dec-15	8:00	23-Dec-15	20:00	Daily	For attending / fixing of theft tower members (AWL) at various theft prone locations of line.	PGCIL	WR-II	C
181	400	PADGHE-NAGOTHANE -2	23-Dec-15	8:00	24-Dec-15	19:00	Daily	INSULALATOR REPL WORK	MSETCL	MSETCL	
182	765	Dhule main bay 704 at Aurangabad	23-Dec-15	9:00	23-Dec-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
183	400	Parli-Pune(GIS)#1 & 2 and Pune (Talegaon) -Pune(GIS) # 1&2	24-Dec-15	8:00	25-Dec-15	18:00	Daily	Overhead crossing by LILO of 400 KV D/c Aurangabad-Pune line	WRTS-I / WRTMPL	WRTS-I	C
184	765/400	1500 MVA ICT 1 at Pune (GIS)	24-Dec-15	10:00	24-Dec-15	13:00	Daily	AMP	WRTS-I	WRTS-I	R
185	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 polution. A/R to be kept in non mode duirng work.	PGCIL	WR-II	C
186	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
187	400	Bay 417 tie bay for 63 MVAR Bus reactor and MPPTCL Ckt #I 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

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					
188	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
189	220	BUS I at Boisar	24-Dec-15	9:00	24-Dec-15	18:00	Daily	For AMP work	PGCIL	WR-II	R
190	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
191	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
192	220	220KV Side ICT-1 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
193	765	Vindhyachal - Satna-II feeder reactor	24-Dec-15	9:00	24-Dec-15	19:00	Daily	Jumpering work (Line will be in service)at Vindhyachal pooling SS	PGCIL	WR-II	C
194	400	Vindhyachal-Satna#3 Main Bay (421 Bay) at Satna S/S	24-Dec-15	9:00	24-Dec-15	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
195	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
196	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
197	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
198	220	Solapur Kumbari 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
199	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
200	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
201	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
202	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
203	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
204	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
205	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
206	400	400 KV Sugem-Unosugen Bay at Sugem.	24-Dec-15	9:00	24-Dec-15	18:00	Daily	Bay Meter Calibration,Maintenance & Offline washing	TPL-SUGEN	TPL-SUGER	R
207	400	400 KV Transfer Bus at Sugem	24-Dec-15	9:00	24-Dec-15	18:00	Daily	Maintenance of Bus Isolator 404-89T of SUGEN -Unosugen line.	TPL-SUGEN	TPL-SUGER	R
208	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
209	400	400kV Side ICT# 2& ICT#3 Tie Bay (414) at Gwalior	24-Dec-15	10:00	24-Dec-15	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
210	400	BHUSAVAL-BABLESHWAR	24-Dec-15	8:00	24-Dec-15	19:00	Daily	MAINT WORK	MSETCL	MSETCL	
211	765	Iiroda-Koradi and Koradi-Akola tie bay(Bay 711) at Koradi III SS	24-Dec-15	8:00	24-Dec-15	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
212	765	Solapur - Pune Line	24-Dec-15	8:00	25-Dec-15	18:00	Daily	For attending the balance OPGW laying work between 18/0-19/0	WRTS-I	WRTS-I	C
213	765/400	1500 MVA ICT 2 at Pune (GIS)	25-Dec-15	10:00	25-Dec-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
214	400	Sipat-Ranchi-2 line	25-Dec-15	7:30	26-Dec-15	19:00	Continuous	ANNUAL PREVENTIVE MAINTENANCE	NTPC &PGCIL	NTPC & PGCIL	
215	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

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					
216	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
217	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
218	400	PADGHE-BABLESHWAR-2	25-Dec-15	8:00	26-Dec-15	19:00	Daily	INSULALATOR REPL WORK	MSETCL	MSETCL	
219	765/40	ICT-2 at Aurangabad	26-Dec-15	9:00	26-Dec-15	18:00	Daily	Stability test along with Spare Trfr unit at Aurangabad	WRTS-I	WRTS-I	R
220	400	Vapi - Kala 1 & 2	26-Dec-15	9:00	27-Dec-15	18:00	Daily	Replacement of theft tower members in Multi circuit towers (above waist level)	PGCIL	WR-II	C
221	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 for 400 KV Khandwa indore line crossing work.	PGCIL	WR-II	C
222	765	Indore- Vadodara Line	26-Dec-15	10:00	27-Dec-15	18:00	Daily	for AMP work	PGCIL	WR-II	C
223	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
224	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
225	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
226	400	Wardha-2 L/Reactor at Aurangabad (presently connected as Bus Reactor)	26-Dec-15	9:00	26-Dec-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
227	220	Wardha Deoli line	26-Dec-15	9:00	26-Dec-15	18:00	Daily	AMP work	MSETCL	WRTS-I	R
228	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
229	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
230	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
231	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
232	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
233	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 Maintenamce of bay equipment	MEGPTCL	MEGPTCL	R
234	765	Tiroda-Koradi-1 Main Bay(Bay-710) at Koradi III SS	26-Dec-15	8:00	26-Dec-15	18:00	Daily	For Annual Maintenamce of bay equipment	MEGPTCL	MEGPTCL	R
235	765	3x500 MVA Gwalior ICT # 1	26-Dec-15	10:00	26-Dec-15	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
236	400	Navsari - Magarwada 1 & 2	26-Dec-15	9:00	26-Dec-15	18:00	Daily	Replacement of theft tower members in Multi circuit towers (above waist level)	PGCIL	WR-II	C
237	400	Parli - Wardha-I Line	27-Dec-15	10:00	27-Dec-15	18:00	Daily	For commissioning of CSD	WRTS-1	WRTS-1	C
238	400	Aurangabad- Pune (Talegaon) # 1 & 2	27-Dec-15	8:00	31-Dec-15	18:00	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
239	220	220 KV Wardha Badnera line	27-Dec-15	9:00	27-Dec-15	18:00		AMP work	MSETCL	WRTS-I	R
240	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	
241	400	Rajgarh-SSP-2	27-Dec-15	7:00	31-Dec-15	18:00	Daily	Replacement of defective Insulator	MPPTCI	MPPTCL	
242	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
243	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
244	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

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					
245	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
246	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
247	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
248	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
249	400	315MVA ICT-I 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
250	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
251	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
252	765	Sasan-Satna#2 Main Bay (707Bay) at Satna S/S	28-Dec-15	9:00	28-Dec-15	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
253	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
254	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
255	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
256	400	BUS # 2 at Pune (Talegaon)	28-Dec-15	9:00	28-Dec-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
257	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
258	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
259	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
260	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
261	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	LR is switchable
262	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
263	400	ICT-1 Main CB 401-52 at Aurangabad	28-Dec-15	9:00	28-Dec-15	18:00	Daily	for attending rusting problem on drive mechanism	WRTS-I	WRTS-I	R
264	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
265	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
266	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
267	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
268	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
269	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
270	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
271	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
272	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

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					
273	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
274	400	400 KV BUS-2 Uno Sugan	28-Dec-15	9:00	28-Dec-15	13:00	Daily	Maintenance of Bus Isolator 404-89B. of SUGEN -Unosugen line.	TPL-SUGEN	TPL-SUGER	R
275	400	400 KV BUS-2 Sugan	28-Dec-15	13:00	28-Dec-15	18:00	Daily	Maintenance of Bus Isolator 410-89B. of SUGEN Unit 30.	TPL-SUGEN	TPL-SUGER	R
276	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	
277	400	ISP- NAGDA CkT	28/Dec/15	9:00	28/Dec/15	16:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
278	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	
279	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	MSETCL	MSETCL	
280	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	
281	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	
282	400	New Koyna – Dabhol – II	28-Dec-15	8:30	28-Dec-15	17:30	Daily	Routine Maintenance Work	MSETCL	MSETCL	
283	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	
284	220	Navsari - Nasik - 2	28/Dec/15	8:00	3/Jan/16	18:00	Daily	Insulator replacement work	GETCO - MSETCL	GETCO	
285	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
286	400	BUS - II at Gwalior	28-Dec-15	10:00	28-Dec-15	18:00	Daily	For AMP WORKS	PGCIL	WR-II	MPPTCL to be informed
287	400	Aurangabad(PG)-Aurangabad(MSETCL) # I	28-Dec-15	8:00	29-Dec-15	18:00	Conti.	Replacement of HCB isolator, Clamps, connectors, AI.Pipe and jumpers under up gradation work at MSETCL Waluj S/S.	WRTS-I	WRTS-I	R
288	220	Vapi - Magarwada Ckt.2	29-Dec-15	7:00	31-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
289	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
290	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
291	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
292	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
293	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
294	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
295	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
296	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 Maintenance work at Satna S/S.	PGCIL	WR-II	R
297	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

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					
298	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
299	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
300	400	Seoni - Khandwa-I Line	29-Dec-15	8:00	29-Dec-15	18:00	Daily	Line AMP works	WRTS-II	WRTS-I	R
301	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
302	400	BUS # 1 at Pune (Talegaon)	29-Dec-15	9:00	29-Dec-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
303	400	400kv Raipur-2 & MSETCL-4 tie bay (417 tie bay) at Bhadrawati	29-Dec-15	9:00	29-Dec-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
304	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
305	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
306	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
307	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
308	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
309	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
310	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
311	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
312	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
313	400	400 KV BUS-2 Sugan	29-Dec-15	9:00	29-Dec-15	18:00	Daily	Maintenance of Bus Isolator 405-89B of SUGEN - PIRANA line.	TPL-SUGEN	TPL-SUGER	R
314	400	VINDHYACHAL-SATNA-III	29-Dec-15	9:00	30-Dec-15	18:00	Continuous	Annual Maintenance	NTPC	NTPC	
315	400	Sipat-Raipur-3 line	29-Dec-15	7:30	30-Dec-15	19:00	Continuous	ANNUAL PREVENTIVE MAINTENANCE	NTPC &PGCIL	NTPC & PGCIL	
316	220	DAMOH PG - TIKAMGARH CKT	29/Dec/15	9:00	29/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
317	220	SEONI (PG)- CHHINDWARACKT - II	29/Dec/15	9:00	29/Dec/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
318	220	MALANPUR - GWL(PG) CKT - I	29/Dec/15	9:00	29/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
319	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	
320	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	
321	765	Gwalior-Bina#3 Line	29-Dec-15	10:00	29-Dec-15	18:00	Daily	Spare reactor integration at Gwalior	PGCIL	WR-II	C
322	765	Bus-1 at Aurangabad	30-Dec-15	9:00	30-Dec-15	18:00	Daily	for providing of spacers	WRTS-I	WRTS-I	R
323	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
324	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
325	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
326	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
327	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
328	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
329	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

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					
330	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 Maintenance work at Satna S/S.	PGCIL	WR-II	R
331	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
332	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
333	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
334	400/22	ICT # 3 at Pune (Talegaon)	30-Dec-15	9:00	30-Dec-15	17:00	Daily	AMP	WRTS-I	WRTS-I	R
335	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
336	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
337	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
338	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
339	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
340	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
341	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
342	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
343	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
344	400	400 KV BUS-2 Sugan	30-Dec-15	9:00	30-Dec-15	18:00	Daily	Maintenance of Bus Isolator 406-89B of SUGEN-JHANOR line.	TPL-SUGEN	TPL-SUGER	R
345	400	RAJGARH (PGCIL)- NAGDACKT I	30/Dec/15	9:00	30/Dec/15	16:00	daily	MAINTENANCE WORK	PGCIL/MPPTCL	WR - II	R
346	220	MALANPUR - GWL(PG) CKT - II	30/Dec/15	9:00	30/Dec/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
347	400	HVDC CKT-2 Bay @ Chandrapur	30-Dec-15	8:00	30-Dec-15	19:00	Daily	For Attending Hot Spot & Bay Maintenance Work	MSETCL	MSETCL	
348	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	
349	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	
350	765	765kV Bus-2 at Koradi III SS	30-Dec-15	8:00	30-Dec-15	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
351	765	ICT # 2 Main bay (709) at Gwalior	30-Dec-15	10:00	30-Dec-15	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
352	765/40	ICT-1 at Aurangabad	31-Dec-15	9:00	31-Dec-15	18:00	Daily	for normalisation of Y-ph unit after repairs and to take out spare unit	WRTS-I	WRTS-I	R
353	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
354	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
355	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
356	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 Maintenance work at Satna S/S.	PGCIL	WR-II	R
357	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

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					
358	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
359	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
360	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
361	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
362	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
363	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
364	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
365	400	400 KV BUS-2 Sugan	31-Dec-15	9:00	31-Dec-15	13:00	Daily	Maintenance of Bus Isolator 403-89B. of SUGEN Unit 10.	TPL-SUGEN	TPL-SUGER	R
366	400	400 KV BUS-2 Sugan	31-Dec-15	13:00	31-Dec-15	18:00	Daily	Maintenance of Bus Isolator 407-89B of SUGEN - VAPI line.	TPL-SUGEN	TPL-SUGER	R
367	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	
368	220	BUS 2 at Boisar	01-Jan-16	9:00	01-Jan-16	18:00	Daily	For AMP work	PGCIL	WR-II	R
369	220	Vapi - Karadpada Ckt.1	1-Jan-16	7:00	03-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
370	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
371	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
372	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
373	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
374	400	Bhadrawati Chandrapur # 1	1-Jan-16	9:00	1-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
375	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
376	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
377	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
378	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
379	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
380	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
381	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	
382	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	
383	220	Bhilad - TAPS	1/Jan/16	8:00	1/Jan/16	18:00	Daily	Maintenance work			
384	400	A/R of 400 kV Ramagundam-Chandrapur-1&2	1-Jan-16	6:00	31-Jan-16	20:00	Daily	For PID works and additional earthing works. the Auto reclose selection of both lines to be kept in Non auto mode	SRPC		

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					
385	400	Rajgarh-SSP-1	1-Jan-16	7:00	1-Jan-16	18:00	Daily	Replacement of defective Insulator	MPPTCI	MPPTCL	
386	500	HVDC Chandrapur - Padge Bipole	02-Jan-16	07:00	03-Jan-16	18:00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	C
387	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
388	765	Busreactor#1 at Bina	2-Jan-16	9:00	2-Jan-16	18:00	Daily	REACTOR AMP WORK	PGCIL	WR-II	R
389	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
390	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
391	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
392	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
393	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
394	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
395	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
396	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
397	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
398	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
399	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
400	400	Bhadrawati Chandrapur # 2	2-Jan-16	9:00	2-Jan-16	13:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
401	765	Raichur-1 Line Reactor AT Solapur	2-Jan-16	9:00	2-Jan-16	18:00	Daily	AMP Work	WRTS-I	WRTS-I	Switchable LR
402	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
403	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
404	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
405	400	Raipur- KWPCCL TL	2-Jan-16	9:00	2-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
406	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-SUGEN	TPL-SUGER	R
407	400	400 KV BUS-2 Sugan	2-Jan-16	9:00	2-Jan-16	18:00	Daily	Maintenance of Bus Isolator 409-89B of Bus Coupler Bay.	TPL-SUGEN	TPL-SUGER	R
408	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	
409	765	ICT Main bay (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
410	400	400kV Side# 1&B/R#3 Tie Bay (411) at Gwalior	2-Jan-16	10:00	2-Jan-16	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
411	400	Rajgarh-SSP-2	2-Jan-16	7:00	2-Jan-16	18:00	Daily	Replacement of defective Insulator	MPPTCI	MPPTCL	
412	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
413	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	

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					
414	400	Bhadrawati-Parli-1	04-Jan-16	9:00	05-Jan-16	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
415	400	Boisar Padghe	4-Jan-16	9:00	4-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
416	220	Vapi - Karadpada Ckt.2	4-Jan-16	7:00	06-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
417	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
418	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
419	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
420	220	Kawas-Dastan #1	4-Jan-16	6:00	5-Jan-16	18:00	Daily	Shutdown for Jumper replacement work.	PGCIL	WR-II	R
421	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
422	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	MPPTCL to be informed
423	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	MPPTCL to be informed
424	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
425	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
426	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
427	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
428	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
429	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
430	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
431	400	Raipur 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
432	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	MSETCL consent is required
433	220	Mapusa-Ponda Line-I	4-Jan-16	9:00	4-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
434	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
435	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
436	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

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					
437	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
438	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
439	400	Bhatapara-Bhilai	4-Jan-16	0:00	4-Jan-16	0:00	Daily	Attending AMP & shutdown works.	WRTS-I	WRTS-I-C	R
440	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
441	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
442	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
443	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
444	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
445	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
446	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
447	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-SUGEN	TPL-SUGER	R
448	400	400 kV Bus reactor at Gandhar	4-Jan-16	8:00	8-Jan-16	18:00	Continuous	Annual Bay maintenance	NTPC	NTPC	
449	400	400KV Karad -TALANDAGE -II	4-Jan-16	10:00	04-Jan-16	17:00	Daily	Annual Maint. work	MSETCL	MSETCL	
450	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	
451	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	
452	400	Asoj - SSP	4/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
453	220	Ichhapore-Kawas-1	4/Jan/16	8:00	4/Jan/16	18:00	Daily	Maintenance work	PGCIL	GETCO	
454	765	ICT-2 Main Bay(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
455	400	400kV SidelCT # 2Main Bay (415) at Gwalior	4-Jan-16	10:00	5-Jan-16	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
456	400	Bay 407 at Khandwa (Dhule-1 main bay)	4-Jan-16	9:30	6-Jan-16	18:00	Cont.	CB overhauling by BHEL representative & AMP work.	PGCIL	WR-II	R
457	765	Wardha - Aurangabad Ckt - II	5-Jan-16	6:00	6-Jan-16	19:00	Daily	For defect rectification work	WRTS-I	WRTS-I	C
458	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
459	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
460	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
461	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	MPPTCL to be informed
462	400	315MVA ICT-1 at Bhachau	5-Jan-16	8:00	5-Jan-16	18:00	Daily	FOR AMP Works	PGCIL	WR-II	R
463	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
464	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
465	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
466	220	Satna-Maiher Main Bay (207 Bay) at Satna S/S	5-Jan-16	9:00	5-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
467	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
468	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

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					
469	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
470	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
471	765	Bus 1 at Wardha	5-Jan-16	8:00	5-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
472	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
473	220	Mapusa-Ponda Line-II	5-Jan-16	9:00	5-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
474	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
475	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
476	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
477	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
478	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
479	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
480	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
481	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
482	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
483	400	400 KV BUS-2 Sugan	5-Jan-16	9:00	5-Jan-16	18:00	Daily	Maintenance of Bus Isolator 412-89B. of ICT-1.	TPL-SUGEN	TPL-SUGEN	R
484	400	Sipat-Raipur-1 Line	5-Jan-16	7:30	6-Jan-16	19:00	Continous	ANNUAL PREVENTIVE MAINTENANCE	NTPC &PGCIL	NTPC & PGCIL	
485	400	RAJGARH (PGCIL)- NAGDACT II	5/Jan/16	9:00	5/Jan/16	16:00	daily	MAINTENANCE WORK	PGCIL/MPPTCL	WR - II	R
486	220	ANOOPUR - KOTMIKALA CKT - I	5/Jan/16	10:00	5/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
487	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	
488	400	Kasor - Chorania	5/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
489	220	Ichhapore-Kawas-1	5/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
490	220	Vapi - Vapi (PG)	5/Jan/16	8:00	5/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
491	400	DGEN Unit-53 (Bay 410) and Transfer Bus	05/01/2016	8:00	06/01/2016	18:00	continuou s	Preventive maintenance of CB, Isolator C & Isolator D , LA,CT,EMVT and CRP Panel	DGEN	DGEN	
492	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	
493	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 replacement work	ATIL	ATIL	R
494	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
495	400	400KV Satna-JP Line #2 Tie Bay (405 Bay) at Satna S/S	5-Jan-16	9:00	5-Jan-16	18:00	Daily	For replacement of DAC of CB at Satna S/S.	PGCIL	WR-II	R
496	765	765KV Aurangabad # 2 Line with L/R at solapur	6-Jan-16	9:00	6-Jan-16	18:00	Daily	CSD commissioning works and A/R testing and CT oil sampling .	WRTS-I	WRTS-I	C
497	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
498	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
499	220	Kawas-Dastan #2	6-Jan-16	6:00	7-Jan-16	18:00	Daily	Shutdown for Jumper replacement 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					
500	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
501	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
502	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
503	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
504	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
505	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
506	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
507	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
508	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
509	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
510	765	Seoni - Bilaspur - II Line	6-Jan-16	8:00	6-Jan-16	18:00	Daily	Line AMP works	WRTS-I	WRTS-I	R
511	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
512	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
513	220	Mapusa-Thivim Line-I	6-Jan-16	9:00	6-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
514	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
515	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
516	400	Bus Reactor at Aurangabad	06-Jan-16	9:00	06-Jan-16	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
517	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
518	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
519	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
520	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
521	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
522	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
523	400	400 KV BUS-2 Sugan	6-Jan-16	9:00	6-Jan-16	18:00	Daily	Maintenance of Bus Isolator 413-89B of ICT-2.	TPL-SUGEN	TPL-SUGER	R
524	220	Kawas-Ichapore#1	6-Jan-16	9:00	6-Jan-16	18:00	Continuous	AIE COMPRESSOR SERVICING	NTPC	NTPC	
525	220	MALANPUR - AURAIYA CKT	6/Jan/16	9:00	7/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
526	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	
527	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	
528	400	Chakan-Lonikand	6-Jan-16	7:00	19-Jan-16	19:00	Daily	48F OPGW Stringing work .	MSETCL	MSETCL	
529	400	Kasor-SSP	6/Jan/16	8:00	7/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
530	220	Bhat - Pirana (PG) - 1	6/Jan/16	8:00	6/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	

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					
531	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	
532	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 replacement work	ATIL	ATIL	R
533	765	Main Bay of Tiroda-Koradi-2 (Bay-707) at Koradi III SS	06-Jan-16	8:00	06-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
534	765	Gwalior-Jaipur#2 Line (Main and Tie Bay shuld kept open)	6-Jan-16	10:00	7-Jan-16	18:00	Daily	Isolator alignment work and spare reactor integration at Gwalior	PGCIL	WR-II	C
535	765	765kV Bus - 1 at Raichur Substation	6-Jan-16	9:00	6-Jan-16	20:00	Continuous	AMP	SRPC	PG	WR-SR TTC revision required
536	765	765KV Aurangabad # 1 Line with L/R at Solapur	7-Jan-16	9:00	7-Jan-16	18:00	Daily	CSD commissioning works and A/R testing and CT oil sampling .	WRTS-I	WRTS-I	NLDC Consent required
537	765	Bus # 2 at Durg PS	7-Jan-16	9:00	8-Jan-16	17:00	Daily	AMP 2015-16	WRTS-I	WRTS-I-C	R
538	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
539	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
540	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
541	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
542	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
543	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 Pneumatic Drive of all three poles of circuit Breaker.	PGCIL	WR-II	R
544	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
545	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
546	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
547	765	Vindhyachal - Satna-II only line reactor(Line will be in service)at Vindhyachal pooing SS	7-Jan-16	10:00	7-Jan-16	19:00	Daily	Spare Reactor testing	PGCIL	WR-II	C
548	765	Sasan-Satna#2 Line	7-Jan-16	9:00	7-Jan-16	18:00	Daily	For Annula Maintenance work of Line & Line Terminal Equipment & taking Spare Reactor into service at Satna S/S.	PGCIL	WR-II	C
549	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
550	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
551	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
552	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
553	220	Mapusa-Thivim Line-II	7-Jan-16	9:00	7-Jan-16	17:30	Daily	AMP of Line	GEB	WRTS-I	R
554	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
555	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
556	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
557	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
558	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

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					
559	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
560	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
561	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	
562	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
563	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-SUGEN	TPL-SUGER	
564	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	
565	220	Kawas-Ichapore#2	7-Jan-16	9:00	7-Jan-16	18:00	Continuous	AIE COMPRESSOR SERVICING	NTPC	NTPC	
566	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
567	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	
568	220	Vapi - TAPS	7/Jan/16	8:00	7/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
569	200	Bhat - Pirana (PG) - 2	7/Jan/16	8:00	7/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
570	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	
571	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 replacement work	ATIL	ATIL	R
572	400	400 KV BUS-2 at Akola-II SS	07-Jan-16	8:00	07-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
573	400	Bay 408 at Khandwa (Dhule1-Ict1 tie bay)	7-Jan-16	9:30	9-Jan-16	18:00	Cont.	CB overhauling by BHEL representative & AMP work.	PGCIL	WR-II	R
574	765	Bina - Gwalior ckt.3	7-Jan-16	8:00	8-Jan-16	20:00	Daily	For attending / fixing of theft tower members (AWL) at various theft prone locations of line.	PGCIL	WR-II	C
575	765	Koradi III - Akola II Line 1	08-Jan-16	9:00	08-Jan-16	18:00	Daily	OPGW rectification work in transmission line. Line Outage required	MEGPTCL	MEGPTCL	R
576	765	Tiroda - Koradi III Line 1	08-Jan-16	9:00	10-Jan-16	9:00	Continues	To carry out replacement work of Line reactor#1 B phase . Line Outage required	MEGPTCL	MEGPTCL	R
577	765	Line Rector of Tiroda - Koradi III Line 1 at Tiroda end	08-Jan-16	9:00	18-Jan-16	9:00	Continues	To carry out replacement work of Line reactor#1 B phase	MEGPTCL	MEGPTCL	R
578	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
579	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
580	220	Dastan-Navsari #1	8-Jan-16	6:00	9-Jan-16	18:00	Daily	Shutdown for Jumper replacement work.	PGCIL	WR-II	R
581	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	MPPTCL to be informed
582	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
583	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
584	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

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					
585	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
586	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
587	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
588	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
589	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
590	400	Bus # 1 at Satna S/S	8-Jan-16	9:00	9-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
591	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
592	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
593	765	Seoni- Wardha-I Line	8-Jan-16	8:00	8-Jan-16	18:00	Daily	Line AMP works	WRTS-I	WRTS-I	R
594	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
595	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
596	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
597	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
598	220	S/C Aurangabad - Bhableshwar	08-Jan-16	07:00	09-Jan-16	18:00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	C
599	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
600	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
601	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
602	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
603	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
604	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
605	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
606	400	400 KV BUS-1 Sugan	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
607	220	ANOOPUR - KOTMIKALA CKT - II	8/Jan/16	10:00	8/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
608	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	
609	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	
610	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 replacment work	ATIL	ATIL	R
611	400	ICT -1 Main Bay(Bay-401) at Koradi III SS	08-Jan-16	8:00	08-Jan-16	18:00	Daily	For Annual Maintenance of bay equipment	MEGPTCL	MEGPTCL	R
612	765	Gwalior-Satna#2 Line (Main and Tie Bay Shuld kept open)	8-Jan-16	10:00	9-Jan-16	18:00	Daily	Isolator alignment work at Gwalior	PGCIL	WR-II	C
613	765	701 main bay of ICT at Akola II SS	9-Jan-16	9:00	9-Jan-16	18:00	Daily	Annual maintenance work	MEGPTCL	MEGPTCL	R
614	400	ISP-Indore ckt-(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

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					
615	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
616	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
617	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
618	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
619	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
620	400	400KV Bus Reactor at Solapur	9-Jan-16	9:00	9-Jan-16	18:00	Daily	CSD Commissioning	WRTS-I	WRTS-I	R
621	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
622	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
623	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	
624	220	Dastan-Navsari #2	10-Jan-16	6:00	11-Jan-16	18:00	Daily	Shutdown for Jumper replacement work.	PGCIL	WR-II	R
625	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
626	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
627	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
628	400	400/220KV ICT at Bina	11-Jan-16	9:00	11-Jan-16	18:00	Daily	AMP WORK	PGCIL	WR-II	MPPTCL consent required
629	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
630	400	Itarsi - Satpura Line	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Retrofitting of PLCC at both ends	PGCIL	WR-II	MPPTCL to be informed
631	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
632	220	Navsari- Navsari I	11-Jan-16	09:00	13-Jan-16	18:00	Cont.	Drive Overhauling of circuit breaker	GETCO	WR-II	R
633	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
634	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
635	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 Pneumatic Drive of all three poles of circuit Breaker.	PGCIL	WR-II	R
636	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
637	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
638	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
639	400	BUS-I at Vindhyachal Pooling SS	11-Jan-16	10:00	12-Jan-16	19:00	Daily	Jumpering with future bay isolator	PGCIL	WR-II	C
640	400	Bus # 2 at Satna S/S	11-Jan-16	9:00	12-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	MPPTCL to be informed
641	400	Aurangabad(PG)-Aurangabad(MSETCL) # 2	11-Jan-16	8:00	12-Jan-16	18:00	Conti.	Replacement of HCB isolator, CTs, Clamps, connectors, Al.Pipe and jumpers under up gradation work at MSETCL Waluj S/S.	WRTS-I	WRTS-I	R
642	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

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					
643	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
644	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
645	132	D/C Gangapur - Vajapur	11-Jan-16	07.00	12-Jan-16	18.00	Cont.	Stringing of 400KV D/C Aurangabad - Boisar Transmission Line	MSETCL	WRTS-I	MSETCL consent is required
646	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
647	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
648	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	NLDC consent required
649	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
650	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
651	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
652	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
653	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
654	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
655	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
656	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	
657	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
658	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
659	400	400 KV BUS-1 Sugan	11-Jan-16	9:00	11-Jan-16	18:00	Daily	Maintenance of Bus Isolator 405-89A of SUGEN - PIRANA Line.	TPL-SUGEN	TPL-SUGER	
660	220	ANOOPUR - KOTMIKALA CKT - I	11/Jan/16	10:00	11/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
661	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	
662	400	400KV Karad- NEW KOYANA-I	11-Jan-16	10:00	11-Jan-16	17:00	Daily	Qurtly. Maint. work	MSETCL	MSETCL	
663	400	CGPL-Bachau Line-1	11-Jan-16	6:00 AM	11-Jan-16	06:00PM		Isolator 428 L Modification work	PGCIL	CGPL	
664	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
665	400	ICT-2 main bay 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
666	765	Bus -1 at Gwalior	11-Jan-16	10:00	11-Jan-16	18:00	Daily	For AMP WORKS	PGCIL	WR-II	MPPTCL to be informed
667	400	Bay 409 at Khandwa (ICT-1 main bay)	11-Jan-16	9:30	13-Jan-16	18:00	Cont.	CB overhauling by BHEL representative & AMP work.	PGCIL	WR-II	R
668	400	Solapur-Kolhapur Circuit-1 & Circuit-2	12-Jan-16	8:00	15-Jan-16	18:00	Continuous	Rectification work	WRTMPL	WRTMPL	C
669	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
670	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
671	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
672	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
673	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

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					
674	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
675	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
676	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
677	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
678	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
679	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
680	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
681	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
682	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
683	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
684	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
685	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
686	400	400 KV BUS-1 Sugan	12-Jan-16	9:00	12-Jan-16	18:00	Daily	maintenance of Bus Isolator 406-89A of SUGEN - JHANOR Line.	TPL-SUGEN	TPL-SUGEN	R
687	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	
688	400	RAJGARH (PGCIL) - SSPCKT I	12/Jan/16	9:00	12/Jan/16	16:00	daily	MAINTENANCE WORK	PGCIL/MPPTCL	WR - II	R
689	400	New Koyna -- Karad II	12-Jan-16	8:30	12-Jan-16	17:30	Daily	Routine Maintenance Work	MSETCL	MSETCL	
690	400	413 Main Bay Nandgaon peth ckt	12-Jan-16	8:00	16-Jan-16	18:00	Continuous	CB No 41352 overhauling and Routine maintenance work	MSETCL	MSETCL	
691	220	Bhilad - Vapi (PG) - 1	12/Jan/16	8:00	12/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
692	400	EMCO -BHADRAWATI LINE 2	12-Jan-16	9:00	13-Jan-16	18:00	Daily	Line maintenance	EMCO	EMCO	
693	400	CGPL-Bachau Line-1	12-Jan-16	6:00 AM	12-Jan-16	06:00PM		Isolator 428 L Modification work	PGCIL	CGPL	
694	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
695	765	BUS - II at Gwalior	12-Jan-16	10:00	12-Jan-16	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
696	400	KOLHAPUR-SOLAPUR#2	12-Jan-16	9:00	12-Jan-16	18:00	Daily	CSD COMMISSIONING AND LINE EQUIPMENT	WRTML	WRTS-I	C
697	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
698	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
699	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
700	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
701	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
702	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	MPPTCL to be informed
703	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
704	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
705	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
706	400/22	ICT#1 At Solapur SS	13-Jan-16	9:00	13-Jan-16	18:00	Daily	AMP works	WRTS-I	WRTS-I	C
707	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

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					
708	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
709	400	400 KV Koradi - Bhilai Line	13-Jan-16	9:00	13-Jan-16	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
710	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
711	400	Raipur-2 Reactor at Bhadrawati	13-Jan-16	9:00	13-Jan-16	18:00	Daily	Testing of BHEL bushing tan delta on defferent frequencies	WRTS-I	WRTS-I	c
712	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
713	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
714	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
715	400	400 KV BUS-1 Sugen	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
716	400	400 KV BUS-1 Sugen	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
717	400	RAJGARH (PGCIL)- SSPCKT II	13/Jan/16	9:00	13/Jan/16	16:00	daily	MAINTENANCE WORK	PGCIL/MPPTCL	WR - II	R
718	220	ANOOPUR - KOTMIKALA CKT - II	13/Jan/16	10:00	13/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
719	220	BINA(PG)- SHIVNPURI CKT	13/Jan/16	9:00	13/Jan/16	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
720	220	DAMOH(PG)- DAMOH - I/C- I	13/Jan/16	9:00	13/Jan/16	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
721	400	Main Bay of Line-1 (Future 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
722	765	Bus Reactor (Main and Tie Bay shuld kept open) at Gwalior	13-Jan-16	10:00	14-Jan-16	18:00	Daily	Isolator alignment work at Gwalior	PGCIL	WR-II	C
723	400	KOLHAPUR-SOLAPUR#1	13-Jan-16	9:00	13-Jan-16	18:00	Daily	REACTOR AMP, CSD COMMISSIONING AND LINE EQUIPMENT	WRTML	WRTS-I	C
724	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
725	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
726	400	Raipur-3 Reactor at Bhadrawati	14-Jan-16	9:00	14-Jan-16	18:00	Daily	Testing of BHEL bushing tan delta on defferent frequencies	WRTS-I	WRTS-I	c
727	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
728	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
729	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
730	400/20	ICT# 2 At Solapur SS	14-Jan-16	9:00	14-Jan-16	18:00	Daily	AMP works	WRTS-I	WRTS-I	R
731	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
732	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
733	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
734	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	
735	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	
736	400	EMCO -BHADRAWATI LINE 1	14-Jan-16	9:00	15-Jan-16	18:00	Daily	Line maintenance	EMCO	EMCO	
737	400	CGPL-Bachau Line-2	14-Jan-16	6:00 AM	14-Jan-16	06:00PM		Isolator 425 L Modification work	PGCIL	CGPL	
738	400	Bay 410 at Khandwa (Bus Reactor-2 main bay)	14-Jan-16	9:30	16-Jan-16	18:00	Cont.	CB overhauling by BHEL representative & 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					
739	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
740	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 Relaince Link.	PGCIL	WR-II	C
741	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
742	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
743	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
744	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
745	220	Bus#2 at Satna S/S	15-Jan-16	9:00	16-Jan-16	18:00	Daily	For Annula Maintenanace work at Satna S/S.	PGCIL	WR-II	R
746	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
747	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
748	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
749	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
750	220	RAJGARH(PG) - DHAR CKT	15/Jan/16	9:00	15/Jan/16	16:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
751	220	Bhilad - Vapi (PG) - 2	15/Jan/16	8:00	15/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	
752	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	
753	400	CGPL-Bachau Line-2	15-Jan-16	6:00 AM	15-Jan-16	06:00PM		Isolator 425 L Modification work	PGCIL	CGPL	
754	400	Main bay of ICT-2 Bay-404 at Koradi III SS	15-Jan-16	8:00	15-Jan-16	18:00	Daily	For Annual Maintenamce of bay equipment	MEGPTCL	MEGPTCL	R
755	765	Gwalior-Satna#1 Line (Main and Tie Bay shuld kept open) at Gwalior	15-Jan-16	10:00	15-Jan-16	18:00	Daily	AMP WORKS and isolator alignment checking at Gwalior	PGCIL	WR-II	C
756	400	Khandwa-Rajgarh Ckt 1	15-Jan-16	9:30	15-Jan-16	18:00	Daily	Main-2,ER relay retrofitting with siemens relay at Khandwa	PGCIL	WR-II	C
757	400	Bhachau - Mundra ckt.1	15-Jan-16	8:00	16-Jan-16	20:00	Daily	For installatio of OPGW in 05 nos pending span i.e.location nos. 84 to 90 of 400kV Bhachau - Mundra line.	PGCIL	WR-II	C
758	765	702 Tie bay of ICT HV side and bus reactor side at Akola II SS	16-Jan-16	9:00	16-Jan-16	18:00	Daily	For AMP works	MEGPTCL	MEGPTCL	R
759	765	Seoni Main Bay at Bina	16-Jan-16	9:00	16-Jan-16	18:00	Daily	For AMP works	PGCIL	WR-II	R
760	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
761	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
762	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/Normalistation from 765kV Dharmjaygarh # 3 R Phase of Reactor Bank.	PGCIL	WR-II	C
763	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
764	400	Bus 2 at Aurangabad(PG)	16-Jan-16	9:00	16-Jan-16	20:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
765	765	Solapur - Aurangabad Ckt - I	16-Jan-16	6:00	17-Jan-16	19:00	Daily	Maintaince and rectification work	WRTS-I	WRTS-I	C
766	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
767	765	Seoni- Wardha-II Line	16-Jan-16	8:00	16-Jan-16	18:00	Daily	Line 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					
768	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	
769	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
770	400	DGEN-Navsari line 1(406 Bay)	16-Jan-16	8:00	16-Jan-16	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	
771	400	Tie bay of ICT-2 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
772	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
773	400	DGEN-Navsari line 2(405 Bay)	17-Jan-16	9:00	17-Jan-16	15:00	Daily	For cloth cleaning of Insulators at 140M Transmission Tower at Narmada River Crossing	DGEN	DGEN	
774	400	Bay 411 at Khandwa (Dhule 2- B/R-2 tie bay)	17-Jan-16	9:30	19-Jan-16	18:00	Cont.	CB overhauling by BHEL representative & AMP work.	PGCIL	WR-II	R
775	765	703 main bays of bus reactor at Akola II SS	18-Jan-16	9:00	18-Jan-16	18:00	Daily	For AMP works	MEGPTCL	MEGPTCL	R
776	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
777	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
778	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
779	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
780	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
781	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
782	400	315MVA ICT#1 at Satna S/S	18-Jan-16	9:00	18-Jan-16	14:00	Daily	For Appying Insulation on Tertiary side of ICT#1 at Satna S/S.	PGCIL	WR-II	R
783	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
784	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
785	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
786	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
787	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
788	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
789	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
790	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
791	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
792	400	400/220 KV ICT-1 Sugan	18-Jan-16	9:00	18-Jan-16	18:00	Daily	ICT-1 Bay Meter Calibration, Maintenance & Offline washing	TPL-SUGEN	TPL-SUGER	R
793	400	400KV Transfer Bus Sugan	18-Jan-16	9:00	18-Jan-16	18:00	Daily	Maintenance of Bus Isolator 412-891 of ICT 1.	TPL-SUGEN	TPL-SUGER	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					
794	220	RAJGARH(PG) - PITHAMPUR CKT - II	18/Jan/16	9:00	18/Jan/16	16:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
795	220	BADOD - KOTA CKT	18/Jan/16	9:00	18/Jan/16	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
796	400	SSP - Rajgarh - 1	18/Jan/16	8:00	19/Jan/16	18:00	Daily	Maintenance work	GETCO	GETCO	MPPTCL to be informed
797	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	
798	400	Main bay of Line-2 (Future 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
799	765	ICT#1 Main bay (706) at Gwalior	18-Jan-16	10:00	19-Dec-15	18:00	Daily	For AMP WORKS	PGCIL	WR-II	R
800	400	Khandwa-Rajgarh Ckt 2	18-Jan-16	9:30	18-Jan-16	18:00	Daily	Main-2,ER relay retrofitting with siemens relay at Khandwa	PGCIL	WR-II	C
801	400	kala-vapi-1	18-Jan-16	9:00	18-Jan-16	18:00	Daily	Online replacement of Main-2 relay at Vapi	WRTS-2	WRTS-2	
802	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
803	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
804	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
805	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
806	400	Vindhychal-Satna Line # 1	19-Jan-16	9:00	19-Jan-16	18:00	Daily	For Annula Maintenance work of Line & Line Terminal Equipment.	PGCIL	WR-II	R
807	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
808	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-1	R
809	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
810	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
811	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
812	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
813	400	400/220 KV ICT-2 Sugan	19-Jan-16	9:00	19-Jan-16	18:00	Daily	ICT 2 Bay Meter Calibration, Maintenance & Offline washing	TPL-SUGEN	TPL-SUGER	R
814	400	400KV Transfer Bus Sugan	19-Jan-16	9:00	19-Jan-16	18:00	Daily	Maintenance of Bus Isolator 413-891 of ICT 2.	TPL-SUGEN	TPL-SUGER	R
815	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	
816	220	BADOD - MODAK CKT	19-Jan-16	9:00	19-Jan-16	18:00	Daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
817	220	220KV Satna-Maiher Main Bay (207 Bay) at Satna S/S	19-Jan-16	9:00	19-Jan-16	18:00	Daily	For Annula Maintenance work at Satna S/S.	PGCIL	WR-II	R
818	400	kala-vapi-2	19-Jan-16	9:00	19-Jan-16	18:00	Daily	Online replacement of Main-2 relay at Vapi	WRTS-2	WRTS-2	

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
1 गुजरात	GUJARAT				
सीमित	RESTRICTED	13000	13000	8215	8040
असीमित	UNRESTRICTED	13040	13040	8225	8050
2 मध्य प्रदेश	MADHYA PRADESH				
सीमित	RESTRICTED	10200	10300	6750	6900
असीमित	UNRESTRICTED	10200	10300	6750	6900
3 छत्तीसगढ़	CHHATISGARH				
सीमित	RESTRICTED	3575	3596	1950	1995
असीमित	UNRESTRICTED	3595	3625	1955	2000
4 महाराष्ट्र	MAHARASHTRA				
सीमित	RESTRICTED	20500	20540	11860	12000
असीमित	UNRESTRICTED	20550	20740	11910	12040
5 गोवा	GOA				
सीमित	RESTRICTED	470	465	340	345
असीमित	UNRESTRICTED	470	465	340	345
6 दमन दीव	DD				
सीमित	RESTRICTED	330	335	215	205
असीमित	UNRESTRICTED	330	335	215	205
7 डी एन एच	DNH				
सीमित	RESTRICTED	710	705	490	480
असीमित	UNRESTRICTED	710	705	490	480
8 पश्चिम क्षेत्र	WESTERN REGION				
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)	
क (A) गुजरात GUJARAT						
जलीय HYDRO						
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	
	उकई Ukai (Total)	42	150	42.89	150	0.000
2.	उकई एल बी सी एच Ukai LBCH - 1			1.05	3	
	उकई एल बी सी एच Ukai LBCH - 2			0.73	0	
	उकई एल बी सी एच Ukai LBCH (Total)	2	3	1.78	4	0.022
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
	कडाना Kadana (Total)	16	120	6.41	60	0.004
4.	पनम PANAM & Madhuban Dam 1 & 2	0	0	0.00	10	0.000
6.	कुल जलीय TOTAL(H)	60	273	51.08	225	0.356
तापीय THERMAL						
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	4106.69	6113		
	कुल तापीय Total (T)	5277	7992	6340.27	13448		438.320
	कुल जलीय+तापीय Total (H+T)	6130	9359	6391.35	13666		438.676
	विंड इनर्जी Wind Energy			556.75			
	कुल जलीय+तापीय+हवा Total (H+T+Wind)			6948.10	14523		
	विनिमय Exchanges		(+)	1693.84			
	सीमित ऊर्जा मांग Restricted Energy Req.	8215		8641.94			
ख (B)	MADHYA PRADESH मध्य प्रदेश						
	जलीय HYDRO						
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)	
तापीय THERMAL						
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		(+)	3390.80		
	संमित ऊर्जा मांग Rest. En. Req.	6750		5981.24		
ग (C)	CHHATTISGARH छत्तीसगढ़					
	जलीय HYDRO					
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
	तापीय THERMAL					
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		(+)	1099.40	0	
	संमित ऊर्जा मांग Rest. En. Req.	1950		2355.51	2025	
घ (D)	MAHARASHTRA महाराष्ट्र					
	जलीय HYDRO					
1	कोयना 1 और 2 Koyna 1 & 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)	
तापीय THERMAL						
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	कोरगडी 5 Koradi Unit -5	65	85	24.60	156	
13	कोरगडी 6 Koradi Unit -6	75	100	0.00	0	
14	कोरगडी 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	
	कुल तापीय Total (T)	6290	9090	8187.27	13164	332.761
	MAH. Wind + Solar Generation			286.51	0	
	कुल जलीय +तापीय Total (H+T+Wind)	6966	9960	8873.21	15246	374.582
	TOT. विनिमय Exchanges		(+)	3321.24		
	सीमित ऊर्जा मांग Rest. En. Req.	11860		12194.45		
च (E)	गोवा GOA					
	आई पी पी रिलायंस IPP Reliance			18.17	26	
	विनिमय Exchanges			403.40		
	सीमित ऊर्जा मांग Rest. En. Req.	340	470	421.57	418	
छ (F)	दमन और दीव DAMAN & DIU			187.64	307	
ज (G)	दादरा नगर हवेली DNH			470.44	717	
	कुल DD &DNH (T)	133	242	658.08	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)	
(H)	केंद्रीय क्षेत्र Central Sector					
	1. एन पी सी N.P.C.					
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	
	2. एन टी पी सी N.T.P.C.					
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	
	RGPPPL TOTAL	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			373.68	0	
8.3	Amarkantak Lanco			197.31	0	
	(I) पश्चिमी क्षेत्र WESTERN REGION					
	ग्रोस उत्पादन Gross generation			27805.79		
	(J) उपलब्धता Availability			27205.25		
	नेट विनिमय Net Exchanges		(+)	-4761.20		
	उपलब्ध ऊर्जा Energy Availability	29400		22444.05		

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
गुजरात	<u>GUJARAT</u>									
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
मध्य प्रदेश	<u>MADHYA PRADESH</u>									
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	
छत्तीसगढ़	<u>CHHATTISGARH</u>									
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
महाराष्ट्र	<u>MAHARASHTRA</u>									
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
गोवा	<u>*GOA</u>									
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									
एस्सार	<u>ESSAR(ESIL)</u>									
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									
दमन एवं दीव	<u>DD</u>									
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									
दादरा व न हवेली	<u>DNH</u>									
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		
पश्चिम क्षेत्र	<u>WESTERN REGION</u>									
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 दौरान पावता, शिड्यूल, घटकों द्वारा केंद्रीय क्षेत्र के स्टेशनों से डावल और विनिमयों का विवरण
 DETAILS OF ENTITLEMENT/SCHEDULE/DRAWAL BY THE CONSTITUENTS FROM CENTRAL SECTOR STATIONS
 MONTH OF NOVEMBER 2015 AND EXCHANGES FOR THE

(पक्षेविम द्वारा जारी क्षेत्रीय ऊर्जा लेखा के आधार पर)

1 केंद्रीय स्टेशनों / समर्पित केंद्रीय स्टेशनों / संयुक्त निजी स्टेशनों की घोषित क्षमता (वस पर) और लाभार्थियों की पावता												
1 Declared Capacity (ex-bus) of Central Gen. Stns/Dedicated CG Stns/Jointly owned Stns & entitlement of beneficiaries (MUs)												
(अ)	केंद्रीय विजलीघर	A. Central Gen. Stns.	घोषित क्षमता Dec. Cap.	गुज्रविनिनि GUVNL	मरविउकं MPPGCL	छगविओ CSEB	मरविउकं MSPGCL	गोवा GOA	दमन दीव DD	दा न ह DNH	एचवीडीएम + एचएचबी HVDC+HVB	कुल TOTAL
	कोरबा एमटीपीएस	Korba STPS	1053.971	180.681	246.155	107.689	335.969	106.363	24.761	27.089		1053.971
	कोरबा एमटीपीएस -III	Korba STPS-III	333.152	63.965	52.147	50.709	90.198	3.605	4.009	15.293		333.149
	विन्ध्यचाल एमटीपीएस I	Vindhyachal STPS-I	722.227	131.835	256.995	1.600	264.784	21.049	7.653	25.341	12.900	722.230
	विन्ध्य एमटीपीएस II	Vindhyachal STPS-II	674.406	161.183	217.321	1.490	241.662	8.969	6.275	22.688		674.406
	विन्ध्य एमटीपीएस III	Vindhyachal STPS-III	658.320	175.113	163.890	70.482	195.740	7.440	7.448	23.454		658.320
	विन्ध्य एमटीपीएस IV	Vindhyachal STPS-IV	567.547	136.166	163.419	36.754	184.350	7.391	7.224	26.702		567.547
	कवास गैस	Kawas GPP	459.097	130.831	98.062	0.000	142.945	8.662	21.719	56.837		459.056
	गंधार गैस	Gandhar GPP	462.520	166.746	82.451	0.000	140.972	8.895	22.072	41.335		462.520
	सीपत	Sipat	2034.401	555.026	366.635	326.089	623.099	23.771	24.160	84.047		2034.450
	काकरापार	Kakrapar APS*	127.512	36.225	32.241	0.000	43.657	4.484	2.404	3.708	4.793	127.512
	तारपुर 3 और 4	Tarapur APS 3&4*	684.129	173.566	146.549	30.405	278.195	7.983	8.089	27.566		684.125
(ब)	समर्पित केंद्रीय विजलीघर	B. Dedicated CG Stations										
	इंदिरा सागर	Indira Sagar*	413.590		413.590							413.590
(ग)	संयुक्त निजी स्टेशन	C. Jointly owned Stations										
	तारपुर 1 और 2	Tarapur APS 1&2*	106.038	53.019	0.000	0.000	53.019	0.000	0.000	0.000		106.038
	एसएसपी	SSP*	73.597	11.776	41.950	0.000	19.871	0.000	0.000	0.000		73.597
	पेन्च	Pench*	43.342		28.895	0.000	14.447	0.000	0.000	0.000		43.342
	कुल (ई सागर को छोड़ कर)	Total (excl. Indira Sagar)	13809.965	3124.480	3062.496	728.280	3416.007	221.223	196.906	469.906	2540.535	13809.967
		* Actual injection										
2 केंद्रीय स्टेशनों / समर्पित केंद्रीय स्टेशनों / संयुक्त निजी स्टेशनों की उत्पादन शेड्यूल और लाभार्थियों की डावल शेड्यूल												
2 Generation Schedule (ex-bus) of Central Gen. Stations/Dedicated CG Stations/Jointly owned Stations & schedule of beneficiaries (MUs)												
(अ)	केंद्रीय विजलीघर	A. Central Gen. Stns.	शेड्यूल Schedule	गुज्रविनिनि GUVNL	मरविउकं MPPGCL	छगविओ CSEB	मरविउकं MSPGCL	गोवा GOA	दमन दीव DD	दा न ह DNH	एचवीडीएम + एचएचबी / Outside region(NR & SR)	कुल TOTAL
	कोरबा एमटीपीएस	Korba STPS	1040.478	180.780	246.155	98.866	334.761	105.170	24.761	27.089		1040.478
	कोरबा एमटीपीएस -III \$	Korba STPS-III \$	329.145	64.035	52.147	49.338	89.714	3.605	4.009	14.535		329.142
	विन्ध्य एमटीपीएस I	Vindhyachal STPS-I	631.515	85.827	244.641	1.571	236.984	20.616	7.071	24.471	10.335	631.515
	विन्ध्य एमटीपीएस II	Vindhyachal STPS-II	549.601	85.472	210.559	1.490	202.155	8.980	5.961	22.433		549.601
	विन्ध्य एमटीपीएस III	Vindhyachal STPS- III	551.427	156.354	153.371	20.251	174.767	6.952	6.714	21.520		551.427
	विन्ध्य एमटीपीएस IV	Vindhyachal STPS- IV	455.114	83.593	163.139	9.091	162.236	7.428	6.754	20.488		455.114
	कवास गैस	Kawas GPP**	59.028	33.639	3.954	0.000	18.934	0.000	1.861	0.639	0.000	59.028
	गंधार गैस	Gandhar GPP**	49.014	26.077	2.640	0.000	17.958	0.000	1.918	0.422	0.000	49.014
	सीपत	Sipat	1860.964	555.674	366.756	186.456	605.496	23.787	22.363	77.009		1860.971
	काकरापार	Kakrapar APS*	127.512	36.225	32.241	0.000	43.657	4.484	2.404	3.708	4.793	127.512
	तारपुर 3 और 4	Tarapur APS 3&4*	684.129	173.566	146.549	30.405	278.195	7.983	8.089	27.566		684.125
(ब)	समर्पित केंद्रीय विजलीघर	B. Dedicated CG Stations										
	इंदिरा सागर	Indira Sagar*	413.590		413.590							413.590
					11.500	RPPCN(VVNL)	0.000					
						KAWAS(RLNG)	0.000					
						GANDHAR(RLNG)	0.000					
(ग)	संयुक्त निजी स्टेशन	C. Jointly owned Stations										
	तारपुर 1 और 2	Tarapur APS 1&2*	106.038	53.019	0.000	0.000	53.019	0.000	0.000	0.000		106.038
	एसएसपी	SSP*	73.597	11.776	41.950	0.000	19.871	0.000	0.000	0.000		73.597
	पेन्च	Pench*	43.342	0.000	28.895	0.000	14.447	0.000	0.000	0.000		43.342
	कुल (ई सागर को छोड़ कर)	Total (excl. Ind. Sagar)	11425.234	2471.525	2733.712	409.494	2741.907	193.606	147.344	284.359	2393.317	11425.234
		* Actual injection										
Note:- \$ These Scheduled Transactions are done by WRLDG under STOA.												
3 अंतरक्षेत्रीय विनिमयों / द्विपक्षीय विनिमयों की शेड्यूल (मि बुनिट्स)												
3 Schedule for interregional exchanges/bilateral exchanges (MUs)												
क्षेत्र / राज्य	Region/State	शेड्यूल Schedule	गुज्रविनिनि GUVNL	मरविउकं MPPGCL	छगविओ CSEB	मरविउकं MSPGCL	गोवा GOA	दमन दीव DD	दा न ह DNH	एचवीडीएम HVDC	कुल TOTAL	
पूर्वी क्षेत्र के राज्य आयात शेड्यूल	Import SDLS through ER	-214.390										
	Indian Energy Exchange (ER to WR)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		160.270	
	Power Exchange of India (ER to WR)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		-0.670	
	ER (NTPC)	38.180	37.970	9.700	72.620	0.000	1.320	2.040			161.830	
	DVC to MPPGCL (Long Term Open Access)	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000	
	Hirakud to CSEB	0.000	0.000	1.310	0.000	0.000	0.000	0.000			1.310	
	APL2 GUVNL to APPCC (AEL)	-0.810	0.000	0.000	0.000	0.000	0.000	0.000			-0.810	
	EMCO to APPCC (GMRETL)	0.000	0.000	0.000	8.090	0.000	0.000	0.000			8.090	
	JPL-II to APPCC (KISPL)	0.000	0.000	-2.640	0.000	0.000	0.000	0.000			-2.640	
	JNSTPP to APPCC (PTC LTD)	0.000	-1.620	0.000	0.000	0.000	0.000	0.000			-1.620	
	JPL-STG-I to ASEB (TPTCL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000	
	JPL-II to ASEB (TPTCL)	0.000	0.000	-0.480	0.000	0.000	0.000	0.000			-0.480	
	APL1 GUVNL to BSPHCL-ER (AEL)	-70.200	0.000	0.000	0.000	0.000	0.000	0.000			-70.200	
	APL2 GUVNL to BSPHCL-ER (AEL)	-90.190	0.000	0.000	0.000	0.000	0.000	0.000			-90.190	
	BALCO to BSPHCL-ER (IEXL)	0.000	0.000	-0.100	0.000	0.000	0.000	0.000			-0.100	
	DBPOWER to BSPHCL-ER (IEXL)	0.000	0.000	-0.580	0.000	0.000	0.000	0.000			-0.580	
	EMCO to BSPHCL-ER (IEXL)	0.000	0.000	0.000	-0.570	0.000	0.000	0.000			-0.570	
	BALCO to CESC (IEXL)	0.000	0.000	-0.110	0.000	0.000	0.000	0.000			-0.110	
	DBPOWER to CESC (IEXL)	0.000	0.000	-0.170	0.000	0.000	0.000	0.000			-0.170	
	Durgapur to MP (LTOA)	0.000	26.740	0.000	0.000	0.000	0.000	0.000			26.740	
	EMCO to CESC (IEXL)	0.000	0.000	0.000	-0.140	0.000	0.000	0.000			-0.140	
	GRIDCO to ESIL_WR (IEXL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.240	
	GMR KAMALANGA to ESIL_WR (PXIL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.580	

DETAILS OF INTERSTATE/INTER-REGIONAL EXCHANGES FOR THE MONTH OF NOVEMBER 2015

क्रमांक	From/ To	गुजरातगुजरात	मध्यप्रदेश	छत्तागुजरात	मध्यप्रदेश	गुजरात	दमन दीव	दा न ह	इसारा	उ क्षेत्र	द क्षेत्र	पू क्षेत्र	पश्चिम क्षेत्र	कुल
A	Interstate/Inter-regional Schedules included in ISGS	GUVNL	MPPGCL	CSEB	MSPGCL	GOA	DD	DNH	ESIL	NR	SR	ER	WR	TOTAL
1	गुजरातगुजरात GUVNL				1.040									1.040
2	मध्यप्रदेश MPPGCL			0.560										0.560
3	छत्तागुजरात CSEB													0.000
4	मध्यप्रदेश MSPGCL			2.600					4.970					7.570
5	गुजरात GOA													0.000
6	दा न ह DNH													0.000
7	कोरबा KORBA-III													0.000
8	JPL	3.670		17.330	30.270				2.670					53.940
9	अडानी पावर APL				12.370									12.370
10	ESSAR MAHAN													0.000
11	JAYPEE													0.000
12	लेनको Lanco -Pathadi		190.610											190.610
13	ACBIL			9.910										9.910
14	KSK MAHANADI													0.000
15	JNSTPP(NIGRIE)		307.710		44.840				2.820					355.370
16	MB POWER		128.040											128.040
17	DB POWER			10.770	5.780				37.720					54.270
18	KWPCL													0.000
19	VANDANA													0.000
20	EMCO				143.580			99.300	2.930					245.810
21	GCEL								6.600					
22	ESIL													0.000
23	DHARIWAL	0.290												0.290
24	NSPCL						9.240							9.240
25	भारत			7.420										
26	उत्तरी क्षेत्र N.Region (WR end)												0.000	0.000
27	दक्षिणी क्षेत्र S. Region (S. Bus)												0.000	0.000
28	पूर्वी क्षेत्र E. Region (WR end)												273.574	273.574
29	पू क्षेत्र W.Region (WR end)								3591.569	1366.140	82.341			5040.050
30	एनटीपीसी NTPC Injection													5913.596
31	एनपीसी NPC Injection													917.680
32	Total ISGS drawal from the Grid incl. interregional/ bi-lateral	1693.839	3436.697	1099.402	3321.240	352.217	187.642	470.441						
B	Interstate/IR Exchanges not included in ISGS													
20	कर्नाटक Karnataka					51.18								51.180
21	यूपीपीएल UPPCL		0.000											0.000
22	आरवीपीएल RVPNL		-48.63											-48.630
23	UPPCL (Excess Drawn From Rajghat)		2.730											2.730
24	कोटा उज्जैन Kota - Ujjain		0.000											0.000
25	कुल व Total B (13 to 17)	0.000	-45.900	0.000	0.000	51.180	0.000	0.000						5.280
C	निवल विनिमय Net Exchange (12+18)	1693.839	3390.797	1099.402	3321.240	403.397	187.642	470.441						10566.757
D	कुल आयात Total Imp. by WR													278.854
E	कुल निर्यात Total Export by WR													5040.050
F	निवल विनिमय Net Exchange (D-E)													-4761.196
G	प क्षेत्र द्वारा वील्ड ऊर्जा Energy wheeled by WR													
26	पू क्षेत्र से द क्षेत्र को निर्यात ER export to SR										0.000			0.000
27	द क्षेत्र से उ क्षेत्र को निर्यात पूक्षे से होकर SR export to NR via ER/WR									0.000				0.000
28	द क्षेत्र से उ क्षेत्र को निर्यात पूक्षे से होकर SR export to NR via WR									0.000				0.000
29	पू क्षेत्र से उ क्षेत्र को निर्यात पूक्षे से होकर SR export to NR via WR									0.000				0.000
30	उ क्षेत्र से द क्षेत्र को निर्यात पूक्षे से होकर NR export to SR via WR										415.340			415.340
31	पू क्षेत्र से द क्षेत्र को निर्यात पूक्षे से होकर ER export to SR via WR										1.310			1.310
32	पू क्षेत्र से द क्षेत्र को निर्यात उक्षे से होकर ER export to SR via NR/WR									0.000	0.000			0.000
33	उपू क्षेत्र से उ क्षेत्र को निर्यात पूक्षे से होकर NER export to NR via WR									0.000				0.000

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	AECO/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&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-8.4							
OVERHAULING AND MAINTENANCE PROGRAMME OF GENERATING UNITS IN WESTERN REGION							
FOR THE PERIOD APRIL 2016 TO MARCH 2017							
Sl.No.	Power Station	Unit	Capacity	Schedule		No of days	Remarks
				From	To		
1	2	3	4	5	6	7	8
A GUJARAT							
GSECL							
1	UKAI TPS	1	120	NO OUTAGE			
		2	120	NO OUTAGE			
		3	200	Dropped as the R & M is planned during Dec 15 - Mar 16			
		4	200	01.09.16	09.12.16	100	Turbine, ESP & Control System Retrofitting
		5	210	01.07.16	25.07.16	25	AOH
		6	500	30.07.16	28.08.16	30	AOH
2	GANDHINAGAR	1	120	NO OUTAGE			
		2	120	NO OUTAGE			
		3	210	03.04.16	07.05.16	35	COH
		4	210	20.08.16	09.09.16	21	AOH
		5	210	25.02.17	17.03.17	21	AOH
3	WANAKBORI	1	210	01.04.16	30.04.16	30	AOH & C & I - R & M
		2	210	01.12.16	21.12.16	21	AOH
		3	210	01.12.16	28.02.17	90	Turbine Retrofitting
		4	210	01.08.16	21.08.16	21	AOH
		5	210	01.07.16	21.07.16	21	AOH
		6	210	15.06.16	05.07.16	21	AOH
		7	210	NO OUTAGE			
4	SIKKA	1	120	NO OUTAGE			
		2	120	NO OUTAGE			
		3	250	01.08.16	21.08.16	21	AOH
		4	250	NO OUTAGE			
5	KLTPS	1	70	25.05.16	14.06.16	21	AOH
		2	70	10.05.16	30.05.16	21	AOH
		3	75	25.07.16	14.08.16	21	AOH
		4	75	01.09.16	21.09.16	21	AOH
6	DHUVRAN GAS	Stage-I	107	01.07.16	15.07.16	15	HGPI
		Stage-II	112	01.08.16	15.08.16	15	HGPI
7	UTRAN - II	GT & STG	375	08.08.16	13.08.16	6	A INSPECTION
GUJARAT IPP / PVT							
8	AKRIMOTA	1	125	1.11.16	30.11.16	30	AOH
		2	125	01.12.16	30.12.16	30	AOH
9	TORRENT POWER LTD	C	60	23.12.16	01.01.17	10	AOH
		D	120	27.11.16	06.12.16	10	AOH
		E	121	10.12.16	19.12.16	10	AOH
		F	121	30.10.16	23.11.16	25	AOH
10	SUGEN*	10	382.5	05.12.16	15.12.16	11	AOH
		20	382.5	03.10.16	09.12.16	68	AOH
		30	382.5	13.03.17	23.03.17	11	AOH
11	UNO SUGEN	40	382.5	04.07.16	10.07.16	7	AOH
12	CLPIL	GT-11	138	15.08.16	21.08.16	7	AOH
		GT-12	138	15.08.16	21.08.16	7	AOH
		GT-13	138	15.08.16	21.08.16	7	AOH
		STG	241	15.08.16	21.08.16	7	AOH
		STATION OUTAGES	655	15.08.16	21.08.16	7	AOH
13	GSEG - I	GT-11	52	07.03.17	10.03.17	4	AOH
		GT-12	52	05.02.17	18.02.17	14	AOH
		STG	52	01.05.16	28.05.16	28	AOH
14	GSEG - II	GT	222.43	01.02.17	18.02.17	18	AOH
15	GIPCL-I	GT-1	32	29.07.16	04.08.16	7	AOH
		GT-2	32	26.08.16	03.09.16	9	AOH
		GT-3	32	02.09.16	09.09.16	8	AOH
16	GIPCL-II	GT-4	111	17.02.17	25.02.17	9	AOH
		STG-1	49	NO OUTAGE PLAN			
		STG-2	54	NO OUTAGE PLAN			
17	SLPP	1	125	20.07.16	18.08.16	30	AOH
		2	125	25.08.16	14.09.16	21	AOH
		3	125	18.11.16	21.11.16	4	INSPECT.
		4	125	23.06.16	13.07.16	21	AOH
18	APL	1	330	25-Dec-16	29-Dec-16	5	License Renewal
		2	330	25-Jan-17	28-Feb-17	35	Annual Overhaul/ Boiler overhaul
		3	330	15-Jan-17	19-Jan-17	5	License Renewal
		4	330	NO OUTAGE PLAN			
		5	660	20-Jun-16	27-Jul-16	38	Annual Overhaul/ Boiler overhaul

		6	660	NO OUTAGE PLAN			
		7	660	27-Jul-16	2-Sep-16	38	Annual Overhaul/ Boiler overhaul
		8	660	NO OUTAGE PLAN			
		9	660	6-Sep-16	30-Sep-16	25	Annual Overhaul/ Boiler overhaul/Licence renewal
19	EPGL SALAYA	1	600	15.04.16	14.05.16	30	AOH
		2	600	01.08.16	30.08.16	30	AOH
B CHHATISGARH							
1	Korba East-1	1	50	24/Jan/17	08/Feb/17	15	AOH
2	Korba East-2	2	50	02/Jul/16	17/Jul/16	15	AOH
3	Korba East-3	3	50	19/May/16	03/Jun/16	15	AOH
4	Korba East-4	4	50	16/May/16	31/May/16	15	AOH
5	Korba East-5	5	120	01/Sep/16	19/Sep/16	18	AOH
6	Korba East-6	6	120	04/Apr/16	24/Apr/16	20	AOH
7	Korba West-1	1	210	NO OUTAGE PLAN		-	-
8	Korba West-2	2	210	01/Aug/16	24/Aug/16	23	AOH
9	Korba West-3	3	210	19/Feb/17	31/Mar/17	40	COH
10	Korba West-4	4	210	23/Jun/16	16/Jul/16	23	AOH
11	Korba West-5	5	500	20/Sep/16	13/Oct/16	23	will not be done
12	DSPM-1	1	250	NO OUTAGE PLAN		-	-
13	DSPM-2	2	250	14/Dec/16	06/Jan/17	23	AOH
C MADHYA PRADESH							
1	AMARKANTAK	3	120	NO OUTAGE PLAN			
		4	120	NO OUTAGE PLAN			
		5	210	15-Jul-16	28-Aug-16	45	COH
	SATPURA	6	200	1-Jul-16	30-Jul-16	30	AOH
		7	210	1-Aug-16	21-Aug-16	21	AOH
		8	210	NO OUTAGE PLAN			
		9	210	NO OUTAGE PLAN			
		10	250	20-Aug-16	13-Sep-16	25	AOH
		11	250	NO OUTAGE PLAN			
3	SANJAY GANDHI	1	210	1-Sep-16	25-Sep-16	25	AOH
		2	210	15-Jul-16	28-Aug-16	45	COH
		3	210	NO OUTAGE PLAN			
		4	210	15-Aug-16	13-Sep-16	30	AOH
		5	500	NO OUTAGE PLAN			
4	SSTPS	1	500	15-Jul-16	4-Aug-16	21	AOH
		2	500	10-Sep-16	24-Sep-16	15	AOH
5	Indira Sagar Project Station (ISPS)	1	125	1-Apr-16	15-Apr-16	15	AOH
		2	125	16-Apr-16	30-Apr-16	15	AOH
		3	125	1-May-16	15-May-16	15	AOH
		4	125	16-May-16	31-May-16	16	AOH
		5	125	1-Jun-16	15-Jun-16	15	AOH
		6	125	16-Jun-16	30-Jun-16	15	AOH
		7	125	1-Mar-17	15-Mar-17	15	AOH
		8	125	16-Mar-17	31-Mar-17	16	AOH
6	Omkareshwar Project (OSP)	1	54	1-Apr-16	15-Apr-16	15	AOH
		2	54	16-Apr-16	30-Apr-16	15	AOH
		3	54	1-May-16	15-May-16	15	AOH
		4	54	16-May-16	31-May-16	16	AOH
		5	54	1-Jun-16	15-Jun-16	15	AOH
		6	54	16-Jun-16	30-Jun-16	15	AOH
		7	54	1-Mar-17	15-Mar-17	15	AOH
		8	54	16-Mar-17	31-Mar-17	16	AOH
D MAHARASHTRA							
MSPGCL							
1	KORADI	5	200	27-Sep-16	22-Oct-16	26	AOH
		6	210	1-Apr-16	25-Apr-16	300	R & M
		7	210	NO OUTAGE PLAN			
		8	660	NO OUTAGE PLAN			
		9	660	NO OUTAGE PLAN			
2	NASIK	3	210	NO OUTAGE PLAN			
		4	210	1-Jul-16	6-Jul-16	7	AOH
		5	210	NO OUTAGE PLAN			
3	BHUSAWAL	2	210	NO OUTAGE PLAN			
		3	210	1-Jul-16	26-Jul-16	26	AOH
		4	500	1-Aug-16	26-Aug-16	26	AOH
		5	500	NO OUTAGE PLAN			

4	PARLI	3	210	NO OUTAGE PLAN			
		4	210	NO OUTAGE PLAN			
		5	210	NO OUTAGE PLAN			
		6	250	NO OUTAGE PLAN			
		7	250	NO OUTAGE PLAN			
		8	250	NO OUTAGE PLAN			WATER SHORTAGE
5	CHANDRAPUR	1	210	NO OUTAGE PLAN			
		2	210	NO OUTAGE PLAN			
		3	210	1-Jul-16	26-Jul-16	26	AOH
		4	210	NO OUTAGE PLAN			
		5	500	1-Apr-16	6-May-16	36	COH
		6	500	NO OUTAGE PLAN			
		7	500	27-Jul-16	31-Aug-16	35	COH
		8	500	NO OUTAGE PLAN			
		9	500	NO OUTAGE PLAN			
6	KHAPERKHEDA	1	210	NO OUTAGE PLAN			
		2	210	11-Oct-16	25-Oct-16	15	AOH
		3	210	NO OUTAGE PLAN			
		4	210	11-Dec-16	25-Dec-16	15	AOH
		5	500	NO OUTAGE PLAN			
7	PARAS	3	250	1-Apr-16	22-Apr-16	22	AOH
		4	250	1-Sep-16	22-Sep-16	22	AOH
MAHARASHTRA IPP							
1	JSW	1	300	1-Mar-17	31-Mar-17	31	AOH
		2	300	NO OUTAGE PLAN			
		3	300	1-Sep-16	1-Sep-16	1	COH
		4	300	NO OUTAGE PLAN			
2	RELIANCE (DTPS,Dahanu)	1	250	2-Jan-16	7-Jan-16	23	AOH
				2-Feb-16	7-Feb-16	6	Boiler insp.
		2	250	3-Feb-17	25-Feb-17	23	AOH
				3-Feb-17	25-Feb-17	23	Boiler insp.
3	TROMBAY (TPCL)	5	500	8-Jan-17	1-Feb-17	24	Annual Overhaul/Boiler overhaul
		6	500	2-Jan-17	8-Jan-17	7	Boiler recertification
		7	180	22-Jul-16	28-Jul-16	7	Minor inspection
		8	250	26-Nov-16	20-Dec-16	25	Annual Overhaul/Boiler overhaul
4	APML Tiroda	1	660	NO OUTAGE PLAN			
		2	660	1-Jun-16	25-Jun-16	25	Annual Overhaul/Boiler overhaul/License Renewal
		3	660	1-Aug-16	25-Aug-16	25	Annual Overhaul/Boiler overhaul
		4	660	NO OUTAGE PLAN			No Outage
		5	660	1-Sep-16	25-Sep-16	25	Annual Overhaul/Boiler overhaul/License Renewal
5	RATTAN INDIA	1	270	2-May-16	9-May-16	8	AOH
		2	270	19-Sep-16	24-Sep-16	9	AOH
		3	270	27-Oct-16	6-Nov-16	11	AOH
		4	270	15-Nov-16	25-Nov-16	11	AOH
		4	270	7-Jul-16	14-Jul-16	8	PG test
		5	270	7-Feb-17	17-Feb-17	11	AOH
		5	270	7-Aug-16	14-Aug-16	8	PG test
6	WPCL	1	135	16-Jul-16	27-Jul-16	12	AOH
		2	135	03-Aug-16	14-Aug-16	12	AOH
		3	135	03-Jun-16	14-Jun-16	12	AOH
		4	135	24-Jun-16	05-Jul-16	12	AOH
7	Vidarbha Industries Power Ltd	1	300	14/7/2015	13/08/2015	31	AOH
	Vidarbha Industries Power Ltd	2	300	1-Jul-16	30-Jul-16	30	AOH
8	Dhariwal Infrastructure Ltd	1	300	NO OUTAGE PLAN			
	Dhariwal Infrastructure Ltd	2	300	NO OUTAGE PLAN			
9	EMCO	2	300	NO OUTAGE PLAN			
D CENTRAL SECTOR							
1	KORBA (KSTPS)	1	200	NO OUTAGE PLAN			
	KORBA (KSTPS)	2	200	NO OUTAGE PLAN			
	KORBA (KSTPS)	3	200	15-Oct-16	13-Nov-16	30	Boiler +All RH rear panels replacement

	KORBA (KSTPS)	4	500	7-Jul-16	3-Aug-16	28	ESP GD test to be done.
	KORBA (KSTPS)	5	500	NO OUTAGE PLAN			
	KORBA (KSTPS)	6	500	26-Nov-16	23-Dec-16	28	Boiler
	KORBA (KSTPS)	7	500	NO OUTAGE PLAN			
2	VINDHYACHAL	1	210	10-May-16	3-Jun-16	25	BLR+ESP Guillotine Gate Pre R&M work
	VINDHYACHAL	2	210	1-Apr-16	5-May-16	35	Capital+ CW Duct+ ESP Guillotine Gate Pre R&M work
	VINDHYACHAL	3	210	NO OUTAGE PLAN			
	VINDHYACHAL	4	210	NO OUTAGE PLAN			
	VINDHYACHAL	5	210	10-Oct-16	3-Nov-16	25	BLR+ESP R&M REQ. S/D
	VINDHYACHAL	6	210	NO OUTAGE PLAN			
	VINDHYACHAL	7	500	NO OUTAGE PLAN			
	VINDHYACHAL	8	500	6-Jul-16	24-Aug-16	50	Boiler modification- Global Settlement Work in RH<SH BANK PNLs & HDRs including penthouse + CW Duct repair+ ESP R&M REQ. S/D
	VINDHYACHAL	9	500	25-Aug-16	24-Sep-16	31	Boiler RH Pnl GL.SET.WORKS
	VINDHYACHAL	10	500	NO OUTAGE PLAN			
	VINDHYACHAL	11	500	10-Jun-16	5-Jul-16	26	Boiler + LPT + Gen.
	VINDHYACHAL	12	500	NO OUTAGE PLAN			
	VINDHYACHAL	13	500	5-Jan-17	29-Jan-17	25	Boiler + TG Brg inspn.
3	SIPAT	1	660	NO OUTAGE PLAN			
	SIPAT	2	660	8-Aug-16	15-Sep-16	45	BLR+HPT+IPT* +LPT
	SIPAT	3	660	1-Feb-17	17-Mar-17	30	Boiler + LPT (2)
	SIPAT	4	500	4-Jul-16	28-Jul-16	25	MS ISO kinetic probe removal to be done
	SIPAT	5	500	NO OUTAGE PLAN			
4	KAWAS	GT-1A	106	18-Dec-16	21-Dec-16	4	Inlet air filter replacement+Boiler Licence renewal
	KAWAS	GT-1B	106	22-Dec-16	25-Dec-16	4	Inlet air filter replacement
	KAWAS	GT-1B	106	28-Jun-16	30-Jun-16	3	Boiler license renewal
	KAWAS	GT-2A	106	01-Jan-17	10-Jan-17	10	CI+AFR+Brg-3 correction work+WHRB#2A RLA+Hangers replacement/repair/checking
	KAWAS	GT-2A	106	05-Feb-17	07-Feb-17	3	Boiler license renewal
	KAWAS	GT-2B	106	30-Nov-16	09-Dec-16	10	CI+AFR+Brg-3 correction work+WHRB#2A RLA+Hangers replacement/repair/checking
	KAWAS	GT-2B	106	08-Feb-17	10-Feb-17	3	Boiler license renewal
	KAWAS	ST-1C	58.05	18-Dec-16	27-Dec-16	10	Brg Inspection + Hanger replacement of WHRB#1B
	KAWAS	ST-2C	58.05	NO OUTAGE PLAN			
5	JHANOR	GT-1	144.3	07-Jun-16	13-Jun-16	7	A inspection+WHRB-1License renewal
	JHANOR	GT-1	144.3	15-Mar-17	16-Mar-17	2	Air Intake Filter replacement
	JHANOR	GT-2	144.3	24-Dec-16	02-Jan-17	10	A inspection+WHRB-2 RLA
	JHANOR	GT-2	144.3	29-Mar-17	31-Mar-17	3	Boiler license renewal
	JHANOR	GT-3	144.3	12-May-16	26-May-16	15	B-Insp+RLA-Duct Insulation replacement & repair
	JHANOR	GT-3	144.3	30-Aug-16	01-Sep-16	3	Air Intake Filter replacement+WHRB-3 Licnese renewal
	JHANOR	STG	74.83	05-Oct-16	05-Oct-16	0.5	Over speed test
6	MAUDA	1	500	01-Nov-16	05-Dec-16	35	Boiler+Gen- 1st Inspection+LPT
	MAUDA	2	500	NO OUTAGE PLAN			Inspn+TG Brg inspn
7	KAPS	1	220	NO OUTAGE PLAN			
	KAPS	2	220	NO OUTAGE PLAN			
8	TAPS	1	160	NO OUTAGE PLAN			
	TAPS	2	160	NO OUTAGE PLAN			
9	TAPS	3	540	01-Jul-16	15-Aug-16	46	Biennial Shutdown
	TAPS	4	540	01-Jan-17	15-Feb-17	46	Biennial Shutdown
10	RGPPPL						
		CTG1A	220	NO OUTAGE PLAN			
		CTG1B	220	NO OUTAGE PLAN			
		STG 1X	230	NO OUTAGE PLAN			
		CTG2A	240	NO OUTAGE PLAN			
		CTG2B	240	NO OUTAGE PLAN			
		STG 2X	260	NO OUTAGE PLAN			
		CTG3A	240	NO OUTAGE PLAN			
		CTG3B	240	NO OUTAGE PLAN			
		STG 3X	260	NO OUTAGE PLAN			

11	NSPCL	1	250	01-Jan-17	25-Jan-17	25	AOH
		2	250	NO OUTAGE PLAN			
12	CGPL	10	800	15.11.16	25.12.16		COH
	CGPL	20	800	NO OUTAGE PLAN			
	CGPL	30	800	02.01.17	15.02.17		COH
	CGPL	40	800	NO OUTAGE PLAN			
	CGPL	50	800	15.07.16	25.08.16		COH
13	JPL STAGE-I	1	250	21-Jan-17	24-Jan-17	4	Licence renewal
	JPL STAGE-I	2	250	10-Mar-17	26-Mar-17	17	AOH
	JPL STAGE-I	3	250	11-Jan-17	14-Jan-17	4	Licence renewal
	JPL STAGE-I	4	250	30-Jan-17	28-Feb-17	30	COH
	JPL STAGE-II	1	600	01-Jul-16	25-Jul-16	25	AOH
	JPL STAGE-II	2	600	20-Aug-16	13-Sep-16	25	AOH
14	ESSAR MAHAN	1	600	NO OUTAGE PLAN			
		2	600	NO OUTAGE PLAN			
15	ESSAR VADINAR	1	600	NO OUTAGE PLAN			
16	ACBIL KASAIPALI	1	135	NO OUTAGE PLAN			
	ACBIL KASAIPALI	2	135	NO OUTAGE PLAN			
	ACBIL MARUTI	1	300	NO OUTAGE PLAN			
17	RKM POWER GEN	1	360	NO OUTAGE PLAN			
	RKM POWER GEN	2	360	NO OUTAGE PLAN			
	RKM POWER GEN	3	360	NO OUTAGE PLAN			
	RKM POWER GEN	4	360	NO OUTAGE PLAN			
18	JAYPEE NIGRIE	1	660	NO OUTAGE PLAN			
19	SSP RBPH	3	200	09-Mar-17	29-Mar-17	21	AOH
	SSP RBPH	2	200	14-Feb-17	06-Mar-17	21	AOH
	SSP RBPH	4	200	04-Apr-17	24-Apr-17	21	AOH
	SSP RBPH	6	200	26-Dec-16	16-Jan-17	22	AOH
	SSP RBPH	1	200	20-Jan-17	09-Feb-17	21	AOH
	SSP RBPH	5	200	01-Dec-16	21-Dec-16	21	AOH
	SSP CHPH	1	50	16-Jan-17	01-Feb-17	17	AOH
	SSP CHPH	2	50	06-Feb-17	22-Feb-17	17	AOH
	SSP CHPH	3	50	27-Feb-17	15-Mar-17	17	AOH
	SSP CHPH	4	50	20-Mar-17	05-Apr-17	17	AOH
	SSP CHPH	5	50	10-Apr-17	26-Apr-17	17	AOH
20	Sasan Power Ltd	1	660	01.07.16	30.07.16	30	AOH
	Sasan Power Ltd	2	660	02.08.16	31.08.16	30	AOH
	Sasan Power Ltd	3	660	01.09.16	15.09.16	15	AOH
	Sasan Power Ltd	4	660	20.09.16	30.09.16	10	AOH
	Sasan Power Ltd	5	660	01.10.16	15.10.16	15	AOH
	Sasan Power Ltd	6	660	20.10.16	30.10.16	10	AOH
21	KSK MAHANADI	3	600				
22	JPL	1	250	21-Jan-17	24-Jan-17	4	Licence renewal
		2	250	10-Mar-17	26-Mar-17	17	AOH
		3	250	11-Jan-17	14-Jan-17	4	Licence renewal
		4	250	30-Jan-17	28-Feb-17	30	COH
23	MB POWER	1	600	NO OUTAGE PLAN			
24	LANCO(AMERKANTA)	1	300	NO OUTAGE PLAN			
		2	300	NO OUTAGE PLAN			

Note The IPPs shown under central sector are either multistate share project or PPA with entities of other region.

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

- Projections are based on the past 3 years' monthly Peak Demand Met data available on the website of CEA
- The above projections are being done for financial year 2015-2016 (Q4) i.e January 2016 to March 2016
- Projections are being done based on the forecast function available in MS Office Excel
- 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_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_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_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_02.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
	TOTAL		56535					5539					1332	63406			61112

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 p/f for hydro generators
 - (ii) 0.7 p/f for thermal generators.
 - (iii) 0.3 p/f for gas stations

WRPC 178th OCCM

Annexure - 8-9

Agenda point No - 8.9/p.12



SUPERINTENDING ENGINEER (T&C)
MADHYA PRADESH POWER TRANSMISSION COMPANY LIMITED,
SATNA (MP) TELEPHONE NO.; 07672-227056 Email- setnc_sta@yahoo.co.in

No/SE/T&C/STA/ 1705
To,

Satna, dt. 15-10-2015

The Chief Engineer (T&C)
MPPTCL, Jabalpur.

Sub: Regarding Load drop Scheme.
Ref: Your office email letter dated 15.10.2015

With reference to the above, the details of Load dropping Scheme under T&C circle Satna are as under:-

1. 220 KV S/s Satna.

(i) 160 MVA X-mer- AREVA :

- a) Without CB interlock- Current 110 %, Time 1.0 Sec.
D.O.C. 21.08.2015
- b) Feeders connected for load relief - 132 KV Panna, Pawai, Nagod.

(ii) 160 MVA X-mer- BHEL :

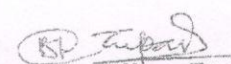
- a) Without CB interlock- Current 110 %, Time 1.0 Sec.
D.O.C. 21.08.2015
- b) Feeders connected for load relief - 132 KV Panna, Pawai, Nagod.

(iii) 220 PGCIL - (I & II) :

- a) Current 800 Amp , Time 0.4 Sec.
- b) CT Ratio - 1200/1 Amp. D.O.C - 21.08.2015
- c) Feeders connected for load relief - 132 KV Panna, Pawai, Nagod

The Load Dropping scheme at balance sub-stations under T&C circle Satna will be installed at the earliest.

Submitted for needful please.


Superintending Engineer (T&C)
M.P. Power Trans. Co. Ltd. Satna

Name of the Station:	
-----------------------------	--

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						
Unit Nos	Unit-1	Unit-2	Unit-3	Unit-4	-----	-----	
Whether RGMO is in service	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
Whether FGMO with manual control is in service	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
Droop Setting in %	-----	-----	-----	-----	-----	-----	
Upper Load Limit setting in MW	-----	-----	-----	-----	-----	-----	
Lower Load Limit setting in MW	-----	-----	-----	-----	-----	-----	
Unit Capacity in MW	-----	-----	-----	-----	-----	-----	
Time	Frequency	Unit-1	Unit-2	Unit-2	Unit-4	-----	-----
hh:mm:ss	Hz	MW	MW	MW	MW	MW	
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						
Unit Nos	Unit-1	Unit-2	Unit-3	Unit-4	-----	-----	

Whether RGMO is in service		Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
Whether FGMO with manual control is in service		Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No	
Droop Setting in %		-----	-----	-----	-----	-----	-----	
Upper Load Limit setting in MW		-----	-----	-----	-----	-----	-----	
Lower Load Limit setting in MW		-----	-----	-----	-----	-----	-----	
Unit Capacity in MW		-----	-----	-----	-----	-----	-----	
Time	Frequency	Unit-1	Unit-2	Unit-2	Unit-4	-----	-----	
hh:mm:ss	Hz	MW	MW	MW	MW	MW		
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 9.2A

Event-1-Load Loss of 1200 MW in NR due to Earthquake on 26th Oct 2015 at 1441 hrs
Frequency change from 50.02 to 50.29 Hz

Particulars		Sipat 2	Siapt 1	VSTPS Stg-2	VSTPS Stg-3	VSTPS Stg-4	Tiroda APML	KSTP1 &2	KSTP Stg 3	Adani Stg-1	Adani -2	Adani -3	CGPL	SASAN	JPL Tamnar
Unit Size		2X 500	3X 660	2x 500	2x 500	2x 500	5x 660	3X200 3x500	1X 500	4X 330	2X 660	3X 660	5x 830	5x 660	3x600
Station Capacity		1000	1980	1000	1000	1000	3300	600	500	1320	1320	1980	4150	3300	1800
Actual Capacity on Bar before the Event at 14:41:35	A	992	1326	995	1022	965	2423	1643	467	1211	1225	1874	3009	3746	572
Actual Capacity on Bar After the Event at 14:46:05	B	948	1286	961	1027	936	2410	1644	461	1212	1217	1873	3009	3746	578
Change in Net Interchange	C = B-A	-45	-41	-34	5	-29	-12	1	-7	1	-8	-1	0	0	6
Change in Frequency	D	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Frequency Response Characteristic	E= C/D	166	151	125	17	107	46	4	24	4	28	4	0	0	-21
Drop Setting		5%	6%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Ideal generator response actual/assuming 5% droop is 40% per Hz	F = 40% of A	397	438	398	409	386	969	657	187	484	490	750	1204	1499	229
Station response as percentage of ideal response	G= E/F	42%	34%	31%	0%	28%	5%	0%	13%	0%	6%	0%	0%	0%	0%

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	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 VINDHYACHAL	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, Mauda	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		

Format for submission of report of Tripping/operating of UFR and/or df/dt relay by SLDC to WRPCC Secretariat
Name of State Control Area:

S.No.	Name of Sub-stn (including Voltage level)	Name of Feeder/Transformer (including Voltage level)	Model and Make of relay	Frequency at the time of tripping	Exact Time of operation of relay (as per relay)	Approved load relief (MW) from the feeder	Actual Load relief (MW) obtained from the feeder	Affected Area whether power flow	Whether power was monitored in SLDC through SCADA	If yes, time of tripping in SCADA SOE	Total impact at state level in SCADA (MW) change in drawal of the state
1											
2						MW	MW		Yes/No	Yes/No	MW
3											
4											
5											
6											
Total relief from the state at same time											