



सत्यमेव जयते

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

Western Regional Power Committee

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आई एस ओ : 9001-2008
ISO: 9001-2008

सं: पक्षेविस/प्रचा. / प्रसस-कार्यवृत्त /2015-16/ 722 दिनांक 20.08.2015

120 अगस्त
AUG 2015

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 474 वीं बैठक का कार्यवृत्त।

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 13.08.2015 को MUMBAI में आयोजित 474 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है।

धन्यवाद।

भवदीय,

संलग्न : उपरोक्तानुसार

विश्वेश्वर गुप्ता
20/8/15

(वी के गुप्ता)

अधीक्षण अभियंता (प्रचालन)

**MINUTES OF 474TH MEETING OF OPERATION & COORDINATION
SUB-COMMITTEE OF WRPC
HELD ON 14TH JULY 2015 AT MUMBAI**

The 474th meeting of Operation & Co-ordination Sub-Committee of WRPC was held on 13th August, 2015 at WRPC Mumbai. The list of participants is enclosed at **Annexure-A**.

Shri S D Taksande, Member Secretary, WRPC extended warm welcome to all the participants of the 474th OCCM. He highlighted the following events which took place since last OCC meeting :

1. He congratulated to PGCIL for commissioning of two important IR lines i.e. 765 kV Gwalior -Jaipur –I & II on 11.08.2015 & 13.08.2015 respectively. These line will help to reduce the congestion between WR & NR.
2. He informed that following important operational decisions were taken during 29th WRPC held on 24.07.2015 at Aurangabad:
 - A sub-committee shall be formed among WR constituents for technical evaluation & recommending the proposal to appraisal committee of PSDF by WRPC.
 - Mahadiscom agreed to lead on filing of joint petition on DSM. The financial burden during the petition shall be borne by WR constituents who join the petition.
 - Availing Pump storage facilities by Maharashtra, (Ghatghar & Paithen), Gujarat (Kadana) & related issues were discussed. Regarding white paper for availing PS facility, Member(P) NCA, informed that the white paper will be framed after next NCS Power Sub-Committee meeting.
3. He informed that SCM of WR was held on 17th July 2015 at CEA New Delhi. The following two decisions is matter of concern:
 - GETCO agreed on lying of cable between DGEN & Vadodara.
 - ICT at Itarsi of 315 MVA capacity is replaced by 500 MVA capacity.
4. Protection audit have been done on 10th & 11th August 2015 at Kakrapar Substation.
5. A meeting with WR constituents was held on 12.08.2015 at WRPC regarding protection audit & follow-up action of Ramakrishna Committee. Schedule have been formed for different WR Utilities for discussions with consultant from Tractebel Engineering Romania from 17th August to 21st August 2015.

6. He informed that Shri M M Dhakate SE(O), WRPC has been transferred to CEA HQ, New Delhi. He has been associated with OCC since last 3 years His immense contribution in organising OCC and discussions is appreciated & on the behalf of OCC, MS WRPC wished him prosperous career at CEA, New Delhi.
7. Shri V K Gupta has joined as Superintending Engineer in WRPC and will look after the charge of Operation circle.

There after he requested Shri M M Dhakate SE(O), WRPC to take up regular agenda items in seriatim for discussion.

ITEM No. 1: CONFIRMATION OF THE MINUTES

Shri M M Dhakate SE(O&S), WRPC stated that minutes of 473rd meeting of Operation & Coordination Sub-Committee of WRPC held on 14th July 2015 at Mumbai were forwarded vide letter No. WRPC/OPN/OCC-Minutes/2015-16/6263 dated 20.07.2015.

Addl CE, SLDC Madhya Pradesh vide email dated 22.07.2015 requested for following amendments in items no 8.11 of MoM of 473rd OCC Meeting of WRPC.

Quote :-

*MP SLDC representative informed the committee that the state DISCOMs are the only beneficiaries of ISP and OSP and hence the issue should have been flagged by NHDC in the state OCCM which was held on 24.06.2015, but they have not done so. He further informed the committee that nodal agency has restricted running of only **five** units at OSP to restrict the water flow in the downstream from 13.02.15 to 18.02.15 to safeguard the temporary sand bridge.*

Unquote

The above para may be amended as given below :-

MP SLDC representative informed the committee that the state DISCOMs are the only beneficiaries of ISP and OSP and hence the issue should have been flagged by NHDC in the state OCCM which was held on 24.06.2015, but they have not done so. He further informed the committee that nodal agency has restricted running of only **three** units at OSP to restrict the water flow in the downstream from 13.02.15 to 18.02.15 to safeguard the temporary sand bridge.

The sub-committee discussed the matter & agreed for above modifications.

No other comments have been received. Therefore minutes were confirmed with above modification.

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

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

CM, WRLDC in the presentation (copy attached at Annexure – 2 in soft copy) concentrated broadly on the performance of the grid for month of July 2015 as below:

2.1 Frequency Particulars

The average frequency during the month of July, 2015 was 49.99 Hz. The maximum instantaneous frequency was 50.33 Hz at 06:02 hrs on 26th July-15 while minimum instantaneous frequency was 49.58 Hz at 14:39 hrs on 13th July-15. The frequency profile during July, 2015 was as under:

01-July-2015 to 31-July-2015	% time
IEGC band (49.9 < f < 50.05 Hz)	70.29
< 49.9 Hz	10.64
> 50.05 Hz	19.07

The Sub-Committee noted.

2.2 Inter-regional Exchanges

There was a net inter-regional export of 3847 MUs by WR against net export schedule of 3666 MUs.

The Sub-Committee noted.

2.3 Voltage Profile

Voltage profile at some of 765/400 kV sub-stations during the month of July 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 July 2015 the system frequency didn't touch 49.2 Hz and no UFR operation has been reported by WRLDC.

GETCO has reported, AUFLS on four occasions in July 2015. GETCO was requested to look into relay settings & recalibrate to avoid unintentional operation of UFR.

The UFR operation status reported by constituents is enclosed at Annexure-2.4.

The Sub-Committee noted as above.

2.5 Power Cuts / Load Restrictions

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

The Sub-Committee noted as above.

2.6 Details of Generating Units under Forced outages

Details of generating units under forced outages during July 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 July 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 August 2015 & September 2015 was discussed. Representative from SLDC Gujarat & SLDC Maharashtra requested to postponement of planned outages of units having capacity of more than 500MW & above due to dry spell type of situation & increase in agriculture demand. V'chal unit -12 was proposed from 20th September 2015. During the OCC, beneficiaries were requested to postpone in the month of November.

The Sub-Committee agreed & planned accordingly.

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

Maintenance programme for transmission lines during the months for August 2015 & September 2015 were discussed.

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

The Sub-Committee agreed/noted for the same.

3.3 ANTICIPATED POWER SUPPLY POSITION FOR THE MONTHS – AUGUST 2015 & SEPTEMBER 2015

Details of anticipated restricted & un-restricted demands for the months of August 2015 & September 2015 are given in Annex 3.3.

The Sub-Committee noted the same.

ITEM NO. 4: OPERATIONAL STATISTICS FOR THE MONTH OF JULY 2015

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

Annex 4.1 - Actual Generation and Requirement for July 2015

Annex 4.2 - Peak Demand: Schedule Vs Actual for July 2015

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

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

Annex 4.6 - Inter System Exchanges for July 2015.

Annex 4.7 – Details of level of Major Reservoirs in Western Region for Month of July 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. 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	04.08.2015
2	PGCIL,WRTS-II	13.08.2015
3	MPPTCL	13.08.2015
4	NTPC	03.08.2015
5	CSPTCL	04.08.2015
6	GETCO	13.08.2015
7	MSETCL	05.08.2015

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	December – 2015
6	Bhopal	80 MVAR	MPPTCL	August – 2015
7	ISP	125 MVAR	NHDC	December 2015
8	Line reactor at Nagda-ISP line at Nagda end	50MVAR	MPPTCL	March 2016
11	Satpura	50 MVAR	MPPGCL	April-2016
12	Sasan Bus reactor	240 MVAR	RELIANCE	Commissioned on 23 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.*

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	Sept -15	ROW 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	Sept-15	
4	765 kV Wardha –Nizamabad-Hyderabad D/C	March-16	
5	765 kV Narendra-Kolhapur D/C	Dec-15	
6	400 kV Aurangabad - Boisar line D/C line	Nov -2015	
7	765 kV Aurangabad (PG) - Padghe (PG) D/C	Sept-2015	
8	800kV Champa – Kurukshetra Bipole	Dec- 2015	
9	765 kV Aurangabad- Solapur D/C line	Oct- 2015	
10	LILO of both circuits of Aurangabad – Pune 400 kV D/c line at Pune 765/400 kV GIS	Oct -15	
11	400 kV Parli-Pune(Sikarapur) LILo at Sikarapur		Commissioned on 24.02.2015
12	765 kV Raipur – Champa 765 kV Raigarh - Champa		Commissioned on 28.05.2015 Commissioned on 29.05.2015
13	765 kV Indore-Vadodara		Commissioned on 05.06.2015
14	400 kV Vadodara-Asoj		Commissioned on 27.06.2015
15	400 kV Vadodara-Pirana		Commissioned on 27.06.2015
16	765kV Dharmjaigad-Rachi-II	Sept-2015	
17	400 KV Solapur(NTPC)-Solapur(PG) ckt-I		Commissioned on 10.07.2015
CHHATTISHGARH			
1	400 kV Korba west- Marwa 400 kV Marwa- Khedamara		Commissioned on 13.06.2015
2	400 kV DCDS Raipur(Raita)-Jagdarpur(DCDS)	Mar- 2015	
3	220 kV DCDS lines Chhuri to Mopka (Bilaspur), (DCDS)	Nov – 2015	
4	LILo of 220 kV Raigarh-Budipadar at	Sep -2015	

	400 kV PGCIL S/s Raigarh		
5	LILO of 220 Korba (E)- Bishrampur line at 220 kV Churri S/s		Commissioned on 01/05/2015.
GUJARAT			
1	400 kV D/C Mundra-Zerda line No. 1	Dec -2015	
2	400 kV D/C Mundra-Zerda line No. 2	Dec -2015	
3	400 kV D/C Vadinar-Amreli line	Dec -2015	
4	400kV APL-Hadala LILO to Halvad	Dec -2015	
5	400 kV D/C Amreli-Kasor line(Part-1)	Dec -2015	
6	400 kV Charanka- Veloda	Dec -2015	
MADHYA PRADESH			
1	Satpura TPH-Ashta 400KV DCDS Line		1 st ckt commissioned on 30 th March 2015. 2 nd ckt – expected by July 2015.
MAHARASHTRA(STU)			
1	400KV D/C line from Koradi-(II) to Wardha S/S(PG) D/C	Dec – 2015	
2	LILO of 400 kV Chandrapur-Parli at Nanded	Dec-15	
3	2x1500 MVA 765/400 kV, ICTs at Ektuni	Dec -15	
4	400 kV Bableshtar-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	August 2015	
GUJARAT (IPTC route) by WR Transmission (Guj) Pvt. Ltd			
1	400 kV Rajgarh(PG)-Karamsad (GETCO) D/C	Dec- 2015	
STERLITE (JTCL)			
1	765 kV Dhramjaygarh - Jabalpur (JTCL) D/C line	Sept -2015	Severe ROW Problem
2	765 kV Jabalpur - Bina (JTCL) S/c		Charged on 30 th June 2015.
3	400 kV Sujalpur-Kota(IR by RTCL)	Dec – 2015	
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.

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	1	250	Sep-15
SIKKA TPS EXT	2	250	Dec-15
CHHATTISGARH			
Marwa	1	500	Dec 2015
	2	500	Dec 2015
MAHARASHTRA			
CHANDRAPUR	9	500	Feb- 2016
KORADI	9	660	Nov- 2015
KORADI	10	660	March -2016
PARLI	8	250	Jan- 2016
MADHYA PRADESH			
M/s Jhabua Power, Seoni	1	600	December – 2015
Moser Bear (Hindustan power)	2	600	December 2015
Essar Power MP Ltd(Mahan)	2	600	Oct -2015
CENTRAL SECTOR/IPP			
VINDYACHAL	13	500	OCT -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	August-2015
RKM	2	360	Sept 2015
RKM	3	360	Dec 2015
RKM	4	360	MARCH 2016
BALCO	1	300	COD on 11.07.2015

Sub-committee noted as above.

ITEM NO. 8: MISCELLANEOUS OPERATIONAL ITEMS

(A) FOLLOW-UP

ITEM NO. 8.1: QUARTERLY REVIEW OF CRISIS MANAGEMENT PLAN

SE(C&P), WRPC requested all the constituents to submit the CMP report for the first quarter (April 2015 to June 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(C&P), WRPC requested all the constituents to submit the status of physical & cyber security in Power Sector for the first quarter (April 2015 to June 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 28th 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. The present status of progress of SLDC's & Back-up SLDC's of WR constituents /WRLDC attached at **Annexure – 8.3**.

During the discussions, the constituents updated the status of progress of backup SLDC in attached format. The Sub-Committee noted as above

ITEM NO 8.4: FIRST QUARTER REVIEW OF LGBR

First quarterly review of annual LGBR for the year 2015-16 was conducted on 15.07.2015. On the basis of data furnished by constituents 152nd LGB report was issued on 31.07.2015 & uploaded at WRPC website.

The Sub-committee noted the same.

ITEM NO 8.5: INSTALLATION OF 765 KV, 240 MVAR BUS REACTOR AT 765 KV VADODARA (PGCIL) S/S.

CE, SLDC Gujarat vide letter dated 30.07.2015 informed that since last few days, the Gujarat system demand drastically dropped down to around 7500 MW due to onset of monsoon of full-fledged. The system voltage at all important nodes is remaining on higher side. Also, the loading on 765 KV interstate lines i.e. 765 KV Vadodara - Indore and 765 KV Vadodara - Dhule line remains very less in order of @ 250 to 300 MW. Also, numbers of generating units are out due to low demand. Hence VAR absorption by the generators is limited to manage the system voltage. Despite taking all measures, the system voltage remains on higher side.

In 473rd OCC meeting held on 14.07.15 at Mumbai, utmost necessity of early commissioning of bus reactor at 765 KV Vadodara S/S was discussed in detail. In meeting, PGCIL informed that the commissioning of 765 KV, 240 MVAR bus reactor at Vadodara is under progress and it will be completed by the end of Aug-15.

Looking to paramount requirement of the system, it is utmost required that the work of commissioning of bus reactor at 765 KV Vadodara S/S is to be expedited and to be completed at the earliest.

DGM, WRTS-II, PGCIL Vadodara informed that the bus reactor will be commissioned by 31.08.2015.

OCC sub-Committee noted as above.

ITEM NO 8.6: SEPARATION OF GUJARAT GRID FROM MP GRID IN JULY-15 REGARDING TO FRAME CONTINGENCY PLAN IN CASE OF LESS AVAILABILITY OF INTERSTATE LINES.

CE, SLDC Gujarat vide letter dated 30.07.2015 informed that the Gujarat power system is having following inter connection with neighboring States:

With MP grid:

1. 765 KV S/C Vadodara – Indore line
2. 400 KV D/C SSP - Rajgarh line
3. 400 KV D/C Dehgam – Nagda line
4. 400 KV D/C Asoj – Indore line

With Maharashtra grid:

1. 765 KV S/C Vadodara – Dhule line
2. 400 KV D/C SSP – Dhule line
3. 400 KV S/C Vapi (PG) – Boiser line
4. 220 KV D/C Navsari – Nasik line

With Rajasthan Grid:

1. 400 KV S/C Kansari – Kankroli line
2. 400 KV S/C Kansari – Bhinmal line

With Haryana Grid:

1. \pm 500 KV, 2500 MW HVDC Mundra – Mohindergarh bipolar line.

On 19th July 2015 at 02:37 A.M, Gujarat grid had separated from MP grid and remained separated for about one and half hours. Also, at the same time, Gujarat grid remained inter connected with Maharashtra grid through 765 KV S/C Vadodara -

Dhule line, 400 KV S/C Vapi (PG) - Boisar and 220 KV Navsari - Nasik line No. 2 only. 400 KV D/C SSP - Dhule line (220 KV Navsari - Nasik line No. 1 (Interconnection with Maharashtra grid) was out on account of permanent fault).

From 20:31 Hrs. of 18th July 2015 to 02:37 Hrs. of 19th July 2015, Gujarat grid remained connected with MP grid on single 400 KV Asoj – Indore line No. 1 prior to separation from MP grid.

From 04:04 Hrs. of 19th July 2015 to 13:26 Hrs. of 19th July 2015, Gujarat grid remained connected with MP grid on single 400 KV Asoj – Indore line No. 1 (After establishing interconnection with MP).

In such depleted condition, many proactive actions had been taken by WRLDC and SLDC-Gujarat in order to maintain load - generation balance of the Gujarat power system.

WRLDC had restricted surrender of power of other constituent from CGPL & APL. Kawas and Jhanor units (embedded Gujarat power system) had been taken on bar and enforced all constituents for compulsory scheduling of power. At the same time, intake of Gujarat from NTPC stations i.e. from Vindhyachal and Korba was reduced. The power order on \pm 500 KV Mundra – Mohindergarh had been reviewed and revised according to need of real time. The matter of network restoration was consistently perused with PGCIL.

SLDC-Gujarat had made fabulous efforts to maintain the drawl as per schedule by taking few costly gas based state generation on bar thereby maintaining and ensuring load – generation balance within the State, strictly adhering instructions of WRLDC and updating about network conditions to the appropriate authorities.

SSP had appreciated the concern and brought SSP unit on bar even though there was deficit of water level in order to restrict loading on 400 KV S/C Asoj - Indore line No. 1 & 765 KV S/C Vadodara – Dhule line. PGCIL had also made their best efforts for restoration of the network.

SLDC-Gujarat requested WRLDC to examine the whole condition once again and explore other initiatives, if any, and frame necessary guideline to mitigate such conditions in future so that it would be helpful to all constituent of WR.

OCC Discussion:

GM, WRDC stated that the reasons for tripping of multiple lines needs to be thoroughly examined by the respective transmission utilities. Areas vulnerable to insulator failure

due to pollution/salt deposits could be identified in association with CPRI. Replacement of porcelain insulators with polymer could be an option in those areas.

Member Secretary, WRPC informed that replacement of insulators with Polymer type was discussed in 29th WRPC meeting. PGCIL agreed to bear the cost of replacement of insulators with polymer as a O&M cost. However there was unsolved dispute about giving availability certificates of these line during outages period. He suggested PGCIL to expedite the work of replacements to prevent any repetition of such incidences without waiting for issue of availability certification during outages.

PGCIL agreed on the same.

Sub-Committee may like to discuss.

ITEM NO 8.7: FREQUENT PROBLEMS REGARDING WRLDC WEBSITE SCHEDULE DATA ERROR AND WRONG UPDATES OF SCHEDULED DATA ON SCADA.

CE, SLDC Gujarat vide letter dated 30.07.2015 informed that SLDC Gujarat wrote a letter addressed to GM, WRLDC regarding display of schedule data in WRLDC. In this regard, it is to convey that since few days lots of issues are observed in preparation/computation of drawl schedule of Gujarat by WRLDC. Mostly, substantial data errors are observed. Also there is frequent error in the scheduled data displayed on SCADA. Such data error misleads the system operator and SLDC Gujarat is facing lots of difficulties in making operational decision in real time operation.

Scheduling/scheduled data is the benchmark for real time grid operation. Major of the operational decision is taken based on the scheduled data displayed on the WRLDC website as well as updates on SCADA. Hence, it is utmost necessary to ensure the correctness of the data displayed/published on website and SCADA. Wrong data not only affect the real time grid operation, it also adversely affect commercially as well.

In view of the above, SLDC, Gujarat requested to pass on necessary instruction to WRLDC so that above problems can be resolved at the earliest. WRLDC may also update/upgrade their software/hardware and adopt latest technology, if required.

GM, WRLDC stated that the scheduling existing software program at WRLDC had been modified to accommodate the changed requirement of displaying the On-Bar/Off-Bar DC as well as to implement the amendment in PoC regulations. During the above transition, some issues related with display of information on website were reported on few days. These issues were later resolved.

The Sub Committee noted as above.

ITEM NO 8.8: EARLY RESTORATION OF 400 KV D/C VADAVI (RANCHODPURA) - KANSARI (ZERDA) LINE

The 400 KV D/C Vadavi (Ranchodpura) - Kansari (Zerda) line is under permanent fault due to tower collapse at location No. 224 & 328. As this line is trunk line for transfer of power from APL & CGPL Power stations to Northern Region and for system reliability point of view, early restoration is utmost necessary.

CE,SLDC Gujarat stated that ERS should be implemented at the location. GM Reliance Transmission Gujarat told that it is not feasible to bring the ERS set up to the location as the towers are located near the River bed. Further he ensured that the lines will be restored by the end of August 2015.

Member Secretary, WRPC suggested the Reliance transmission to restore the system as early as possible. Representative from Reliance transmission Gujarat agreed on the same.

The Sub Committee noted as above.

ITEM NO 8.9: READYNESS OF 400 KV SHUJALPUR – KOTA D/C OF RTCL

Head(Asset Management) Sterlite Grid Ltd. informed vide email dated 03.08.2015 that the 400 kV Shujalpur – Kota D/Cline of RTCL will be ready for charging by November 2015. This is an important inter-regional line between WR and NR. It is requested that the construction of 400 kV bays at the terminal substations may be expedited.

DGM, WRTS-II, PGCIL Vadodara informed that even though the lines are ready by November 2015, however bays will be ready as per schedule and will not be delayed further.

The Sub Committee noted as above.

ITEM NO 8.10: AVAILABILITY CERTIFICATION FOR 400KV SOLAPUR(NTPC)-SOLAPUR(POWERGRID) D/C LINE

DGM(Coml.), WRTS-I, PGCIL Nagpur vide email dated 04.07.2015 informed that the Transmission Line “400kV D/C Solapur(NTPC)-Solapur(POWERGRID)” was successfully commissioned on 03.04.2015(copy enclosed at Annexure 8.10A). Since date of commissioning the line is being considered for Availability calculation of Regional Pool Transmission System of Western Region. As per the MoU entered between POWERGRID and NTPC(copy enclosed at Annexure 8.10B), the transmission charges for the above assets shall be initially borne by M/s NTPC Solapur till the commissioning of their 1st Generating unit and thereafter charges shall be billed in accordance to CERC “Sharing of Inter-State Transmission Charges and Losses 2010”.In accordance to the Agreement, POWERGRID has raised the Bilateral Bills to M/s NTPC Solapur towards Transmission Charges(incl. incentive) for the above line. For the incentive calculation, Regional Availability was considered. M/s NTPC, Solapur through various correspondences has opined that the Regional availability cannot be considered for the incentive calculation and requested us to provide the separately certified availability for the subjected line. In view of the above mentioned facts, it is hereby requested that from Apr-15 the availability of “400kV D/c Solapur(NTPC)-Solapur(POWERGRID) Transmission Line” may be certified separately. And upon commissioning of NTPC 1st Generating Unit the Line may be considered under Regional Pool Transmission System of Western Region from April to July. WRPC requested to PGCIL for submitting the data for calculation of availability. PGCIL agreed to submit the same.

The sub-committee agreed on the same.

ITEM NO. 9 : WRLDC ITEMS

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

The need for UVLS for system security was recognized and discussed during 469th OCCM, 471st OCCM and 473rd OCCM. As per the available information UVLS is presently implemented in Indore and Nagda stations of MPPTCL. In 473th OCCM, it was decided that each SLDC would identify the areas where UVLS could be envisaged.

Representatives from SLDC's were informed that in Gujarat Sabarkundla, Vapi, Bhilad, Vertej & Navsari, in MP Nagda & Indore, in Maharashtra Lonikhand, Bableshtar, Padgha, Jejuri are the LV pocket. Chhattishgarh representative informed that there is no LV pocket in the state.

Member Secretary suggested that SLDCs shall study there LV pockets and submit detailed scheme for further consideration in OCC forum.

The sub-committee noted as above.

2. Frequent tripping of 765 kV Solapur-Raichur ckts and operation of SPS-7

765 kV Solapur-Raichur ckt-1 and ckt-2 provide the synchronous connection between SR and NEW grid. The tripping of any one ckt of 765 kV Solapur-Raichur cause rise in flow on the other ckt and increases chance of SPS operation leading to backing down of generation in WR and load shedding in SR. In case of tripping of both the ckts, SR gets desynchronized resulting in frequency dip and operation of df/dt and AUFL relays in SR. The events between May-July 2015 when one or both ckts of 765 kV Solapur-Raichur tripped are as under:

S No	Element	Date and Time	Triggering Cause	Outage duration	Remarks
1	Solapur-Raichur-1	24-May-15 19:18	Incorrect operation of SPS-7 at Raichur	1:31	Line tripped from Raichur end. Separation of SR grid
2	Solapur-Raichur-2	24-May-15 19:18	Incorrect operation of SPS-7 at Raichur	1:59	
3	Solapur-Raichur-2	27-May-15 14:45	B-Ph fault	6:01	Separation of SR grid
4	Solapur-Raichur-2	29-May-15 14:44	Y-Ph fault	0:24	
5	Solapur-Raichur-2	31-May-15 16:59	B ph fault	2:26	
6	Solapur-Raichur-1	31-May-15 17:00	Y ph fault	2:00	Separation of SR grid
7	Solapur-Raichur-2	22-Jun-15 14:13	CVT problem at Solapur end	7:47	
8	Solapur-Raichur-2	28-Jul-15 11:51	CVT problem at Solapur and Incorrect operation of SPS-7	1:17	Tripping details awaited
9	Solapur-Raichur-1	28-Jul-15 11:51	Incorrect operation of	1:01	

S No	Element	Date and Time	Triggering Cause	Outage duration	Remarks
			SPS-7 at Raichur		
10	Solapur-Raichur-1	2-Aug-15 09:18	CMR relay mal operation at Solapur	1:39	

ISSUES THAT NEEDS DELIBERATION ARE GIVEN BELOW:

a) Reliability of distance protection at 765 kV Solapur

Out of the 10 cases 765 kV Solapur-Raichur ckt-2 tripped on two occasions due to CVT problem at Solapur end while one occasion the ckt-1 tripped due to CMR relay at Solapur end. The redundancy of CVTs at the important station like Solapur (PG) needs to be ensured. This was emphasized during the previous tripping on 24th and 31st May-15.

Prior to the event, OCC approved shutdown of 765kV Solapur BUS-1 was availed by PGCIL at 11:43 hrs. On analyzing the DR of 765kV Solapur-Raichur-2 tripping of 28-July 2015 it was seen that voltage was not available in Main 2 protection relay and CVT fuse fail alarm was ON at Solapur. The provision of CVT selector scheme for automatic changeover from one Bus to other Bus, in case of bus shutdown need to be in operation to avoid such event in future.

b) Correctness of SPS setting at Raichur end

Three out of 10 tripping listed above were due to incorrect operation of SPS-7 at Raichur end. The SPS-7 is designed to operate when the power flow on remaining single line exceeds 1000 MW or 800 amps for 10 sec. On 28th July 2015 it was observed that neither the power flow exceeded 1000 MW for 10 sec nor the line ampere exceeded 800amp for 10 sec. However the SPS-7 has acted at Raichur end. The same SPS-7 has not operated at Solapur end. The logic and algorithm adopted for SPS-7 need to be examined at Raichur end.

Member Secretary, WRPC expressed serious concern above the repetition of Incidence of de synchronization of SR with NEW grid. He requested all the concerns to check their SPS setting. He further suggested to discuss the matter in detail in PCM meeting.

The Sub-Committee noted as above.

3. Frequency Response Characteristics

SR grid separated from NEW grid on 28th July 2015 at 11:51 hrs. The FRC computed at WRLDC is as under:

Particulars	Hz	Drawl from Grid				WR (Export)
		GUJ (MW)	MAH (MW)	MP (MW)	Chhattisgarh (MW)	
1. Before the Event	49.97	-202	4194	2698	1251	-6970
2. After the Event	50.17	-236	4597	2741	1361	-6671
Change in Net Interchange (2 - 1)	+ 0.2	-34	403	43	110	299

Generators response

	Before the Event	After the Event	Change
	A	B	C = B-A
Frequency	49.97	50.17	0.20
KSTPS	1866	1854	-12
VSTPS	2025	2017	-8
SIPAT	1337	1322	-15
NSPCL	443	445	2
JPL TAMNAR (JPL+JPL Ext)	435	431	4
LANCO PATHADI	177	165	-12
KAWAS	101	101	0
SSP	1171	1160	-11
CGPL	1208	1212	4
EMCO	442	440	2
SASAN	3682	3682	0
APL	2776	2783	7
APML	1741	1735	-6
KSK	433	431	-2

It is evident that there is poor response from generating stations in Western Region. Representative from WRLDC stated that the governor response from generating stations is negligible. A separate meeting with generating stations may be called to ensure compliance of the CERC provisions regarding.

As mandatory CERC provision Member Secretary WRPC suggested to call a separate meeting between WR generators, SLDC's, WRLDC & WRPC where following items are needs to be discuss:

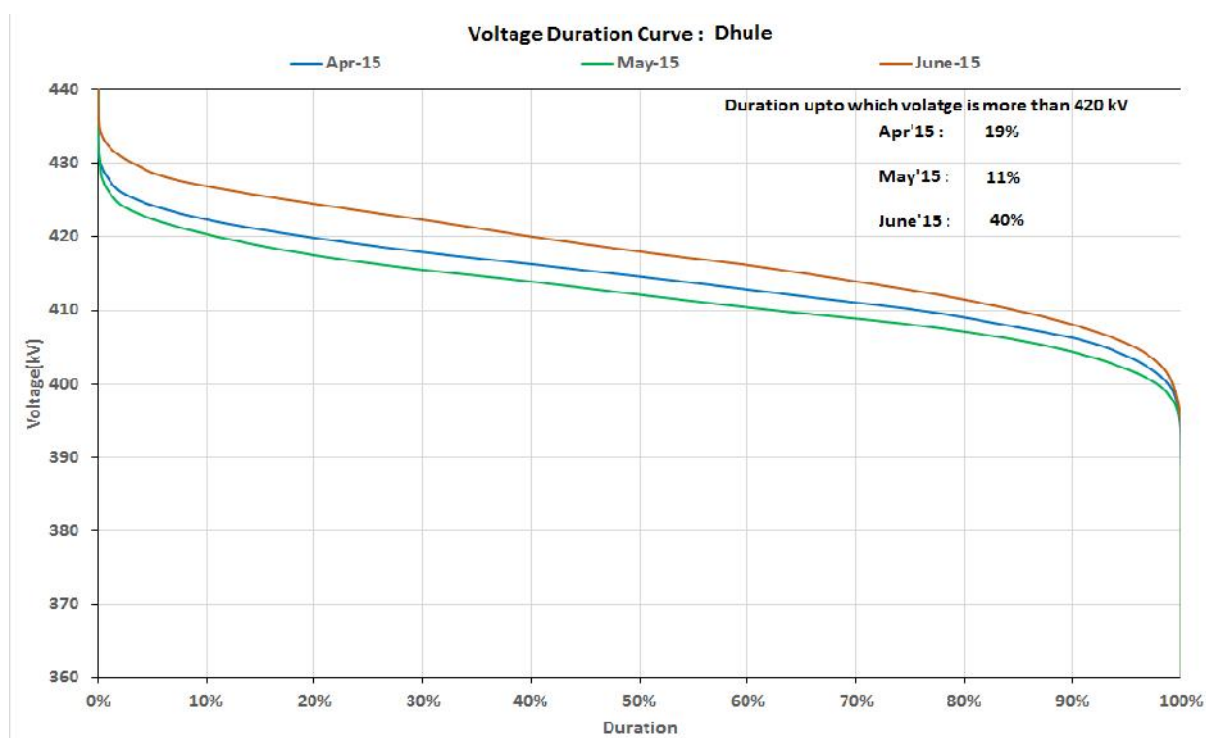
- FRC of generators

- RGMO/FGMO status of generators.
- Reactive power absorption by generators

The sub-committee noted as above.

4. Status of Controlled Shunt Reactor at Dhule Sub-station.

400 kV Dhule substation experiences chronic high voltage problem. The voltage at Dhule is above 420kV for 19%, 11% and 40% respectively in the months of April, May and June-15. Voltage duration curve of 400 kV Dhule substation is shown below.



The 2 x 50 MVar Controlled Shunt Reactors at Dhule are out of service since long. The need for revival of CSR at Dhule was discussed in detail during the 24th WRPC meeting, wherein MSETCL has committed that the reactors would be revived by October 2013. However the reactors are still out of service. As a result, one of the ckt of 400 kV Dhule-SSP has to be opened for voltage regulation. In the last four months the ckt has remained out of service for 632 hrs out of 2880 hrs. Often there are CB issues leading to difficulty in closing the line when required urgently. Non-availability of the Dhule line increases powerflow towards Gujarat on the Asoj/Kasor lines whenever en SSP is generating full in monsoon. WRLDC vide its letter ref No: WRLDC/MO-III/1737/2015/795 dt 27th July 2015 requested MSETCL to expedite restoration of reactors at Dhule.

Representative from SLDC Maharashtra informed that one of the 2 x 50 MVar Controlled Shunt Reactors at Dhule is under charged conditions & the second is not

charged. He further informed that it is not possible to charged the second reactor immediately.

Member Secretary, WRPC requested SLDC Maharashtra to furnish the detailed status report of the second reactor at Dhule S/s. CE, SLDC Maharashtra agreed on same.

The sub-Committee noted as above.

5. Frequent tripping of HVDC Bhadrawati Due to Failure of Auxiliary Supply

Frequent tripping's of HVDC Bhadrawati poles has occurred in July-August'15 due to failure of auxiliary supply. The details of tripping's are given below

Element Name	Date and Time	Reason for Tripping	Remarks
Bhadrawati Pole 1	14-07-15, 11:00 Hrs	Failure of Aux Supply	Resulted in SPS operation of 400 kV Wardha-Parli
Bhadrawati Pole 2	14-07-15, 11:00 Hrs	Failure of Aux Supply	
Bhadrawati Pole 1	05-08-15, 10:53 Hrs	Failure of Aux Supply	One circuit of 765 kV Solapur-Raichur was under outage

From the details received from HVDC Bhadrawati, it is understood that the above tripping have occurred due to failure of 33 kV auxiliary supply feeders and changeover issue to diesel generators sets. Even in past HVDC poles have tripped on several occasions due to failure of auxiliary supply. This issue of auxiliary supply failure from 33 kV feeders was discussed in 453rd OCC, 18th WRPC Meeting and 33rd Standing committee meeting. Accordingly one 400/220/33 kV ICT for reliable auxiliary supply was approved at HVDC Bhadrawati and it was commissioned on 19th February 2015. However, it has been informed that auxiliary supply to HVDC from the ICT is not yet started

The reliability of auxiliary supply would enhance if the 33 kV supply from 400/220 kV ICT at Bhadravati is extended to HVDC. In view of the above, it is requested that the auxiliary supply arrangement for HVDC from ICT at Bhadrawati may be completed on a priority basis so that reliable auxiliary supply to HVDC can be ensured and availability of HVDC Bhadrawati Bipole is enhanced.

SE(O), SLDC Maharashtra informed that this is the issue pertaining to Local Discom(EE MSEDCL, Warora). It will be sorted out within a fortnight time.

Member Secretary, WRPC stated that even though one ICT 400/220/33 KV is available since 19th Feb 2015, auxiliary supply is not made available and therefore requested PGCIL to sort out the issue with local MSEDCL at the earliest as redundant auxiliary supply is very essential for HVDC operation.

The sub-committee noted as above.

6. Details of the tripping of 400 kV Aurangabad BUS-2 on 12th June 2015

The operation of Bus bar protection on 400kV Aurangabad BUS-2 at 9:29 hrs on 12th June-2015 has resulted in following multiple tripping's at 765/400kV Aurangabad Sub Station.

1. 765/400 kV ICT -2
2. 400 kV Bus reactor
3. 400 kV Aurangabad-Boisar ckt's Line reactor 1 & 2 (Used as Bus reactor)
4. 400 kV Aurangabad-Wardha ckt's Line reactor 1 & 2 (Used as Bus reactor)

Issues:

- a) The reason for operation of Bus bar protection without fault is yet to be received from PGCIL.
- b) 765/400 kV Aurangabad ICT-2 tripped due to non-commissioning of tie CBs. This has resulted in severe contingency in Maharashtra System.

Similar event occurred on 12.03.15 where non-commissioning of TIE CBs at 400kV and 765kV had caused multiple tripping at Aurangabad S/s.

Member Secretary, WRPC suggested the matter shall be discussed in PCM.

Sub -Committee noted as above.

7. Operating procedure for Western Regional Grid 2015

As discussed in 473th OCCM of WRPC, the operating procedure for Western Regional Grid 2015 has been updated on 31.07.2015 and the same could be downloaded from WRLDC web site, at the given link

http://www.wrldc.com/docs/WR_OPERATING_PROCEDURE_2015.pdf
http://www.wrldc.in/docs/WR_OPERATING_PROCEDURE_2015.pdf

Sub -Committee noted.

ITEM No. SA1:SPLIT BUS ARRANGEMENT AT SSP

CE SLDC Gujarat intimated that a meeting on 22.05.14 at Kevadia Colony, SSP regarding split bus arrangement at SSP and subsequent discussions during 55th meeting of PSC of NCA held in Vadodara on 14.07.14, the guidelines for the same had been prepared in consultation with GETCO protection wing.

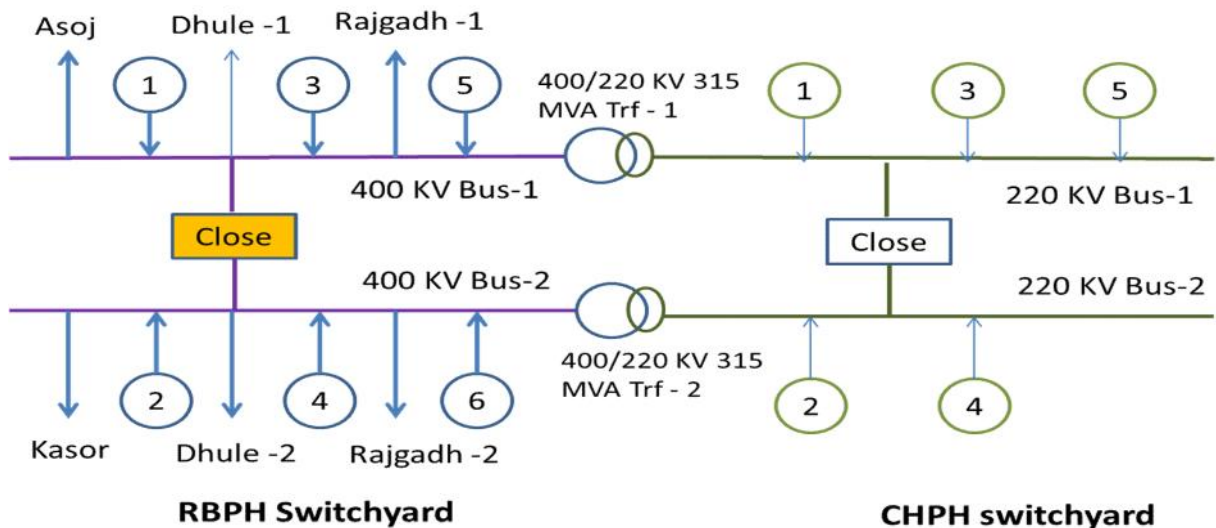
It was decided that the bus split arrangement at SSP shall be carried out when all the following conditions satisfy simultaneously:

- I. When SSP (RBPH + CHPH) generation is more than 1000 MW.
- II. When flow on 400 KV S/C SSP-Asoj line exceeds 550 MW.
- III. When the loading on 400/220 KV, 2 x 500 MVA ICTs at Asoj S/S exceeds 350 MW.

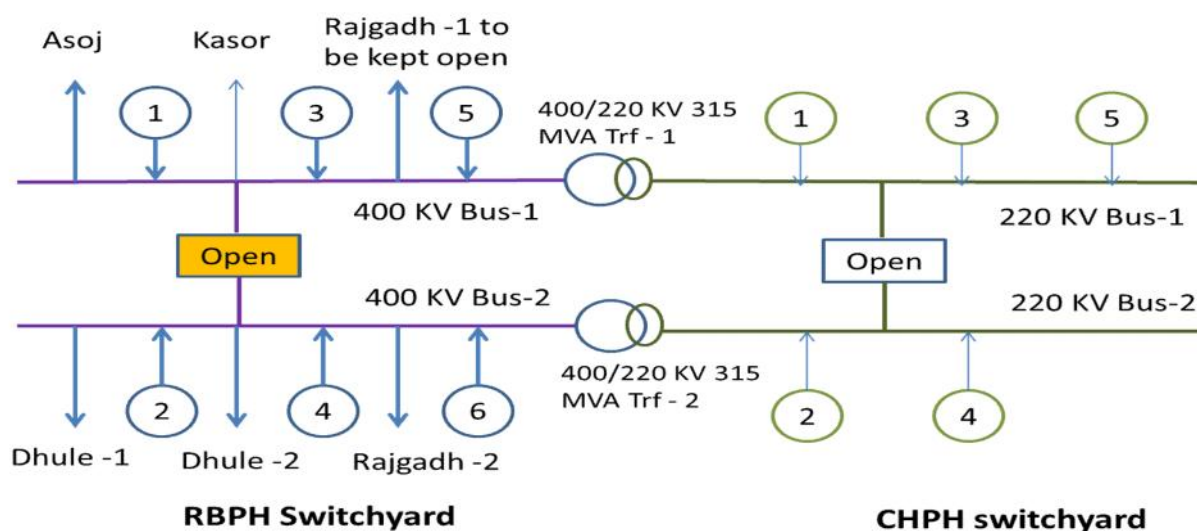
It was also requested to ensure that this arrangement is implemented especially during the spill over conditions at SSP. Spill over condition had commenced from 08.09.14 and hence, all the six units of RBPH were in service thereby satisfying all the above three specified conditions necessitating split bus arrangement at SSP.

Despite repeated insistence by SLDC-Gujarat for split bus arrangement at SSP ever since spill over conditions had commenced, the same could be done on 22.09.14 with the kind cooperation of WRLDC, NCA and SSP.

Prior to bus split arrangement, the bus bar arrangement at SSP was as under:



After split bus arrangement, the busbar arrangement at SSP is as under:



It is needless to mention here that this arrangement has indeed helped a lot in relieving the loading of 400 KV S/C SSP–Asoj and 400 KV S/C SSP–Kasor lines to a great extent. The corresponding increase in the loading of other outlet lines of SSP viz. 400 KV D/C SSP–Dhule & 400 KV S/C SSP–Rajgadh line No. 2 was also well within the permissible limits. Thus, it is proved that the split bus arrangement is the most inevitable and justified need of the system especially when there is spill over condition prevailing at SSP and all the above three specified conditions are satisfied.

The change in power flow scenario in peak load condition in Gujarat Power System observed before and after the split bus arrangement at SSP is depicted for important lines in the table below:

400 KV SSNNL BUS SPLIT @ 15:18 HRS ON DT:-22/09/2014.				
Sr. No.	Name of Element	Flow Direction	15:15 Hrs.	15:21 Hrs.
			Before	After
1	Gujarat System catered		12260	12204
2	RBPH Generation		1137	1132
3	400 KV SSP-Asoj		608	265
4	400 KV SSP-Kasor		510	339
5	400 KV SSP-Dhule - 1		137	274
6	400 KV SSP-Dhule - 2		139	277
7	400 KV SSP-Rajgadh - 1		L/C	L/C
8	400 KV SSP-Rajgadh - 2		149	-78
9	400/220KV 500 MVA ICT - 1 Asoj		361	348
10	400/220KV 500 MVA ICT - 2 Asoj		361	348
11	400 KV Asoj- Indore - 1		344	407
12	400 KV Asoj- Indore - 2		323	378

13	400 KV Asoj- Indore - 3		320	373
14	400 KV Asoj- Kosamba		124	103
15	400 KV Asoj- Pirana(PG)		564	501
16	400 KV Chorania-Kasor		133	173
17	400 KV Dehgam- Wanakbori		286	245
18	400 KV Dehgam- Nagda - 1		329	381
19	400 KV Dehgam- Nagda - 2		321	376
20	400 KV Dehgam- Pirana(PG) - 1		197	217
21	400 KV Dehgam- Pirana(PG) - 2		200	220
22	400 KV Kansari-Kankroli		155	186
23	400 KV Kansari-Bhinmal		155	192
24	400 KV Wanakbori-Soja		256	231
25	400/220 KV 315 MVA ICT - 1 Kosamba		224	212
26	400/220 KV 315 MVA ICT - 2 Kosamba		232	212
27	220 KV Kosamba-Vav		149	132
28	220 KV Kosamba-Kim		208	198
29	200 KV Ukai-Mota - 1		204	193
30	200 KV Ukai-Mota - 2		202	192
31	220 KV Asoj-Jambuva		151	134
32	400 KV Boisar - Vapi		114	204

From the change in power flows after the split bus arrangement, it is clear that there was appreciable relief in many of the 220 KV lines in South Gujarat which otherwise were critically loaded lines.

OCC Discussion:

Representative from WRLDC stated that

1. The trial operation of bus split at SSP was carried out twice on request of SLDC Gujarat. First time between 15:18 hrs of 22nd Sep 2014 to 13:46 hrs of 29th Sep 2014 and second time from 11:36 hrs of 09th Aug 2015 to 15:35 hrs of 10th Aug 2015. On both occasions, with split bus at SSP, the loading of 400 kV SSP-Asoj and 400 kV SSP-Kasor reduced but there was hardly any reduction on the loading of 400/220 kV ICTs at Asoj.
2. The backing down of generation at SSP even without bus split was NIL this year. Thus, there was no increase in utilization of water at SSP during split bus operation.
3. Operation of split bus at SSP should be the last resort because of the following risks:

- Reliability of SSP power station is reduced as it would be insecure for N-1 of a bus fault as well as for any other contingency such as tripping of Rajgarh lines.
 - Interconnection of Gujarat with MP/WR grid is weakened which makes the system vulnerable to contingencies like those that occurred between 19th – 22nd July 2015.
 - Fault level at Rajgarh/Nagda/Dhule is reduced leading to high voltage at these stations.
 - Power is forced to take a high impedance path from SSP towards South Gujarat via Maharashtra system which overloads the already congested 400 kV Bableshtar-Padghe.
 - Available margins for transient Stability is reduced after bus split due to increase in angular separation between VSTPS (generation complex) and Asoj (load centre)
 - Operational flexibility is reduced particularly for facilitating planned/emergency shut downs on lines emanating from 400 kV SSP / Asoj / Kasor / Rajgarh
 - Transmission losses will increase
4. In view of the associated risks, SLDC Gujarat may reconsider its insistence of operating SSP with split bus particularly after availability of 765 kV Indore-Vadodara-Dhule and other lines.
 5. Following measures could be taken for controlling the loading of SSP-Asoj/Kasor and Asoj ICTs:
 - a. Increase generation at power stations in South Gujarat. Expedite revival of LR of 400 kV
 - b. Possibility of LILO of 400 kV SSP-Dhule D/C at 400 kV Kosamba/Ukai (T) may be SSP-Dhule and Khadwa-Dhule lines at Dhule end so that both ckts of SSP-Dhule can be kept in service Expedite 400 kV Rajgarh-Kasor D/C (IPTC) and explore feasibility of installing series compensation on 400 kV SSP-Dhule D/C.

Member Secretary, WRPC stated that keeping in view of security of Grid as suggested by WRLDC, it is advisable not to split the bus at SSP until and unless spill over and wastage of zero cost energy is not there. The WRLDC who are aware of total grid scenario are the best judge for deciding spill bus operation even though three conditions stipulated in meeting are met.

The Sub-Committee noted as above.

ITEM No. SA2: OPTIMIZATION OF POWER ORDER ON \pm 500 KV HVDC MUNDRA – MOHINDERGARH BIPOLE.

CE SLDC, Gujarat vide E-mail dated 11.08.2015 intimated that power order of \pm 500 KV HVDC Mundra - Mohindergarh Bipole is not being optimized by WRLDC.

Whenever there is a higher power order on HVDC, it leads to around 350 MW inflow of power from Rajasthan system to Gujarat system. Also due to availability of all machines of RBPH on bar, the loadings on 400 KV S/C SSP - Asoj & 400 S/C KV SSP - Kasor line remains more than 550 MW on each circuit. In this regard, copy of system snapshots dated 10.08.15 of 17:13 Hrs. is attached herewith.

The above point was also discussed in 469th OCC meeting of WRPC held on 10th/11th March' 2015. Also, SLDC-Gujarat vide its letter dated 13.03.15 (copy attached) requested WRLDC to review power order on \pm 500 KV HVDC Mundra – Mohindergarh Bipole according to generation available at APL, Mundra

Even though continuous follow up of SLDC control room, no actions either regulating power order on HVDC or split bus operation at SSP are being taken by WRLDC.

Representative from WRLDC stated that power order on HVDC Mundra-Mahendragarh Bipole is advised by NLDC in consultation with WRLDC and NRLDC from the national perspective. From 15th July 2015 to 09th August 2015, HVDC power order was changed more than 112 times including the recent events of 18-22 July 2015 when tie lines between M.P. and Gujarat had tripped as well as on 09th Aug 2015 to facilitate the outage of one ICT at Asoj in Gujarat.

The sub-Committee noted as above,

ITEM No. SA 3: MOUDA UNIT#1 PG TEST FOR TURBINE & BOILER FROM 02.09.15 TO 03.09.15. & FROM 21.09.15 TO 24.09.15.

GM, WRHQ-II NTPC vide letter dated 10.08.2015 intimated that Mouda Unit#1 PG test for Turbine & Boiler is pending due to non availability of stable injection Schedule for Mouda units. It was suggested by constituents member in 471 OCCM that the PG test at Mouda can be planned in the month of September.

Accordingly as discussed with GM (TSX) of M/S BHEL-WR, the requirement of unit load along with duration for conducting PG test in Unit#1 in the month of Sept'15 are as under:

1. First week of Sept'15 : 500 MW load is required for two days, tentatively on 2nd & 3rd Sept'15 (Essentially from 08:00 hrs to 20:00 hrs and preferably for 48 hrs continuously) for Pre PG test assessment.

2. After conducting Pre PG test assessment 10 to 15 days are required for final preparation of PG test.

3. In last week of Sept'15 :Three days (tentatively from 21st to 23rd Sept'15, from 08:00 hrs to 20:00 hrs) 500 MW and one day (tentatively on 24th Sept'15 from 08:00 hrs to 20:00 hrs):525 MW unit loads are required.

Therefore, it is requested to arrange and ensure the required Schedule for Mouda STPP as per above time schedule and load condition for conducting PG test in Unit#1:

The sub-Committee discussed the matter & requested NTPC to postpone till October. GM NTPC agreed on the same.

ITEM NO. SA 4. LOAD FORECASTING IN WESTERN REGION

AGM, WRLDC intimated that committee was constituted with members of all states of Western Region and WRLDC/WRPC to implement the load forecasting in WR. Gujarat was identified as Lead coordinator for the same. Accordingly, two meetings were conducted on 03.04.14 and 11.06.14. As per the minutes of the 2nd meeting. Forecasting service provider (FSP) were identified for all states who have shown their willingness to provide service on Non Commercial basis (Free) for 3 months considered for load forecasting pilot project. The latest status of load forecasting submitted by SLDC Gujarat is attached at Aneexure-SA-4

The Sub-Committee noted as above.

Any Other Item

1. Replacement of porcelain insulators with composite polymer insulators in all Inter State lines:

POWERGRID, WRTS-II had informed vide letter ref: WRTS-II/VDR/O&M/DB/253/ dated 12.08.2015 that frequent tripping of following interstate lines due to flashover of porcelain disc insulator strings were observed as these lines are passing through highly chemical/industrial polluted areas which affects the stability of system and may lead partial system disturbance.

In view of above, it has been decided to upgrade the system by replacing all porcelain disc insulator strings with composite longrod (polymer) insulator strings in the following lines during August to October 2015 to avoid such undesirable line trippings on account of insulator failure

- a. 400kV Indore- Asoj ckt 1 &2
- b. 400kV Nagda- Dehgam ckt 1 &2.

All the constituents, WRPC and WRLDC may kindly allow for availing shutdown required for replacement of porcelain disc insulator strings with polymer composite insulators in above mentioned lines.

The subcommittee noted the above and in principle approved the shutdown on the above lines. Actual outage date will be confirmed in outages planning.

2. Switching of 400kV, 50Mvar Line Reactors of Rajgarh-1 and Rajgarh-2 at Kasor 400/220kV Substation(GETCO)

POWERGRID informed that switching ON/OFF of line reactors of 400kV Kasor (Karamsad)-Rajgarh-1 and 400kV Kasor(Karamsad)- Rajgarh-2 lines at 400/220kV Kasor(GETCO) substation were done several times in the past without consent of WRLDC and done only by taking Area load dispatch centre code on account of system constraint. It was further informed that 50MVar Rajgarh-2 line reactor was auto tripped on 27.07.2015 and there is possibility that due to frequent switching , internal fault may be developed. During the meeting, It was agreed by the subcommittee that for the outages of above line reactors consented/code shall be obtained from WRLDC.

3. Provision of SPS on 220kV Vapi-KharadpadaD/C line

POWERGRID informed that provision of SPS on 220kV Vapi-Kharadpada line is needed as each line is carrying 210-240MW and on tripping of one line causes overloading of another line. This is resulting in overheating of jumper bolts and subsequently snapping of jumpers and tripping of line. GETCO informed that SPS has been installed at Kharadpada feeders however the field wiring is to be extended by DNH. The likely date of completion of the scheme is third week of August'2015.

Subcommittee noted and advise DNH to expedite the work.

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

474th OCC reviewed the meeting roaster and finalized sheet is enclosed at Annexure-10. As per roster 475th OCC meeting will be hosted by TAPS-3 & 4 in the month of September 2015. Due to unavoidable circumstances they couldn't host in the month of September, therefore the 475th OCC meeting will be held on 10.09.2015 at WRPC Mumbai.

LIST OF PARTICIPANTS OF 473rd OCC MEETING OF WRPC HELD ON 14.07.2015 AT MUMBAI

Sl.No.	Organisation, Name & Designation	E-mail	Mobile No.
I WRPC			
1	Shri S.D. Taksande, M.S.	ms-wrpc@nic.in	9820878384
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3	Shri V.K. Gupta, S.E.	vkg_j@rediffmail.com	9960792316
4	Shri L.K.S. Rathore, E.E.	as-wrpc@nic.in	9833371844
5	Shri Ratnesh Kumar Yadav, A.D.		9969948089
II MSETCL / MSEDCL/MahaGenco/MSPGCL			
6	Shri Sanjay S. Kulkarni, C.E.	cesldc@mahasldc.in	9819363329
7	Shri D.K. Rokade, S.E.		9167831551
8	Shri D.J. Kolhe, E.E.		9820981115
9	Shri Ajit Pachori, E.E.		9619461420
10	Shri A.D. Kedar, E.E.	anildkedar@gmail.com	
III MPPTCL / MPPGCL			
11	Shri Mohan Sahu, E.E.		9425805027
IV CSPTCL / CSPGCL			
12	Shri Balram Soni, Addl. C.E.		9425188807
13	Shri H.K. Deota, S.E.		9893150920
V GETCO / GSLDC/ GSECL			
14	Shri B.B. Mehta, C.E.		9879200736
15	Shri B.M. Shah, D.E.	demissldc.getco@gebmail.com	
VI GOA ELEC. DEPT.			
16	Shri T.V.K. Govindan, E.E.		8380015003
17	Shri Ravi Kumar Bhat, A.E.		9423057940
VII NPCIL			
18	Shri Yash Pal Singh, ASCE	ypmahida@npcil.co.in	
VIII WRLDC / POWERGRID			
19	Shri P.Mukhopadhyay, G.M.	prithwish.pmukh@gmail.com	
20	Shri Abhinav Verma, D.G.M.	averma@powergridindia.com	
21	Shri S.S. Velayutham, D.G.M.	ssvelsa@yahoo.com	
22	Shri Kuleshwar Sahu, A.G.M.	kuleshwars@gmail.com	
23	Smt. Pushpa S., C.M.	pushpa_seshadri@hotmail.com	
24	Shri Vivek Pandey, C.M.	vivek.panday@posoco.in	
25	Shri G. Anil Kumar, Sr. Engr.	anilkumar@powergridindia.com	
26	Shri Ravi Wadyalkar, Mgr.	wravi@powergridindia.com	
27	Shri Aditya P. Das, Mgr.	aditya19227@gmail.com	
28	Shri Abhishek Kr. Gupta		9869404650
XI NTPC			
29	Shri P.B. Behere, G.M.	pbbehere@ntpc.co.in	
30	Shri S.K. Shrivastava, A.G.M.	sksrivastava09@ntpc.co.in	
31	Shri Saroj Kumar Jha, A.G.M.	skjha02@ntpc.co.in	
32	Shri A.K. Chandeliya, D.G.M.	akchandeliya@ntpc.co.in	
X APL			
33	Shri Akkshay Mathur, G.M.	akshayv.mathur@adani.com	
34	Shri Manoj Taunk, A.G.M.	manoj.taunk@adani.com	

XI	TATA POWER		
35	Shri P.R. Gadave, H.Opn.	prgadave@tatapower.com	9223553341
36	Shri Parshuram Mishra, G-Head		9227595439
XII	RINFRA		
37	Shri S.G. Zirpe, G.M.		9322607630
38	Shri Vinay Sorte, G.M.		9322424591
39	Shri Deepak Sankhe, D.G.M.		9325119791
40	Shri Vijay S. Chavan, Mgr.		9320167746
XIII	KSK Mahanadi		
41	Shri Ramakant Upadhyay, Dy. Mgr.		7869916080
XIV	ESSAR		
42	Shri O.J. Saxena, Sr. Mgr.	osaxena@essar.com	
XV	TORRENT POWER		
43	Shri M.H. Kshatriya, G.M.	mhkshatriya@torrentpower.com	
44	Shri Kamlesh Trivedi, A.G.M.		9227246950
45	Shri Chirag Bhavsar, Mgr.		7096049531
46	Shri Pramod G. Patel, G.M.		9824370005
XVI	SASAN POWER		
47	Shri Sunil Kumar Mishra, D.G.M.		9770133570
48	Shri Malay Biswas, D.G.M.		8817899133
XVII	BALCO KORBA		
49	Shri Devendra Patel, G.M.		9893122359
50	Shri Sangeet Kosale, Mgr.		9893592588
XVIII	GMR RAIPUR		
51	Shri S.S. Dubey, A.G.M.	satishankar.dubey@gmrgroup.in	
52	Shri Yoqesh Motiramani, A.M.	yoqesh.motiramani@gmrgroup.in	8390901853
XIX	RKM PPL		
53	T. Rajesh Kumar, Mgr.		8435000779
XX	STERLITE LTD.		
54	Shri Allwyn Jaison, Asso.Mgr.	allwyn.jaison@sterlite.com	9893283889
55	Shri N.K. Shukla, G.M.		9650020664
XXI	NCA		
56	Shri M.A.K.P. Singh, Member(P)	makpsingh@yahoo.com	

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

1. INTEGRATED OVER AN-HOUR
एक घंटे में समाकलित

1.1 MAXIMUM FREQUENCY अधिकतम आवृत्ति	50.20	Hz. BETWEEN 1700 Hrs & 1800 Hrs	Hrs. ON 26.07.2015
1.2 MINIMUM FREQUENCY न्यूनतम आवृत्ति	49.77	Hz. BETWEEN 1400 Hrs & 1500 Hrs	Hrs. ON 13.07.2015
1.3 AVERAGE FREQUENCY औसत आवृत्ति	49.99	Hz.	

2. INSTANTANEOUS तात्कालिक

2.1 MAXIMUM FREQUENCY अधिकतम आवृत्ति	50.33	Hz. AT 06:02:00 Hrs.	ON 26.07.2015
2.2 MINIMUM FREQUENCY न्यूनतम आवृत्ति	49.58	Hz. AT 14:39:00 hrs	Hrs. ON 13.07.2015

3. %AGE OF TIME WHEN FREQUENCY WAS आवृत्ति का समय प्रतिशत में	JULY 2015	JUNE 2015	MAY 2015
3.1 BELOW 48.5 Hz. 48.5 हर्ट्ज के नीचे	0.00	0.00	0.00
3.2 BETWEEN 48.5 Hz. AND 48.8 Hz. 48.5 हर्ट्ज और 48.8 हर्ट्ज के बीच	0.00	0.00	0.00
3.3 BETWEEN 48.8 Hz. AND 49.2 Hz. 48.8 हर्ट्ज और 49.2 हर्ट्ज के बीच	0.00	0.00	0.00
3.4 BETWEEN 49.2 Hz. AND 49.5 Hz. 49.2 हर्ट्ज और 49.5 हर्ट्ज के बीच	0.00	0.00	0.00
3.5 BETWEEN 49.5 Hz. AND 49.7 Hz. 49.5 हर्ट्ज और 49.7 हर्ट्ज के बीच	0.21	0.20	0.72
3.6 BETWEEN 49.7 Hz. AND 49.9 Hz. 49.7 हर्ट्ज और 50.2 हर्ट्ज के बीच	10.43	9.09	15.10
3.7 BETWEEN 49.9 Hz. AND 50.05 Hz. 49.9 हर्ट्ज और 50.05 हर्ट्ज के बीच	70.29	65.01	64.74
3.8 BETWEEN 50.05 Hz. AND 51.5 Hz. 50.05 हर्ट्ज और 51.5 हर्ट्ज के बीच	19.07	25.70	19.44
3.9 ABOVE 51.5 Hz. 51.5 हर्ट्ज के ऊपर	0.00	0.00	0.00
4.1 NO. OF TIMES FREQUENCY TOUCHED 48.80 Hz. आवृत्ति 48.80 हर्ट्ज को छूई	0	0	0
4.2 NO. OF TIMES FREQUENCY TOUCHED 48.60 Hz. आवृत्ति 48.60 हर्ट्ज को छूई	0	0	0
4.3 NO. OF TIMES FREQUENCY TOUCHED 51.00 Hz. आवृत्ति 51.00 हर्ट्ज को छूई	0	0	0

ANNEXURE 2.3

विद्युतगणनात्मक रूपरेखा २०१५

2015

Voltage Profile during the month of July 2015

दिनांक	इंदोर		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	420	404	417	403	434	409	430	402	417	403	418	404	423	413	411	399
2	419	402	416	400	434	407	432	399	417	402	416	404	420	413	410	398
3	417	406	416	403	430	410	431	402	414	403	413	404	422	414	412	397
4	419	403	416	401	430	409	429	399	417	399	415	401	419	411	411	393
5	423	408	420	406	435	410	435	400	419	404	415	405	425	412	409	399
6	421	404	418	402	431	410	436	402	417	402	415	403	420	409	412	399
7	417	401	414	399	433	406	435	394	415	401	416	404	418	407	409	398
8	418	401	417	401	432	405	435	398	416	400	417	404	421	408	412	396
9	418	401	417	401	432	405	435	398	416	400	417	404	421	408	412	396
10	418	404	417	402	435	411	435	401	417	403	416	404	423	415	410	397
11	418	402	414	400	433	406	430	401	416	400	415	402	423	413	409	397
12	418	405	415	402	414	414	432	398	416	403	414	404	422	412	406	396
13	417	398	413	396	436	402	427	384	416	394	414	398	419	407	407	384
14	415	396	412	393	432	404	432	391	413	393	416	405	418	407	408	403
15	420	400	416	399	433	404	429	389	416	398	416	402	417	407	406	392
16	418	402	414	400	433	407	428	395	414	398	416	405	418	407	407	388
17	417	403	416	402	432	410	429	396	414	399	415	404	419	407	407	385
18	419	404	416	400	432	411	430	396	416	402	414	404	419	410	409	389
19	421	407	420	406	435	413	430	409	414	402	414	404	422	413	406	389
20	422	404	419	404	434	409	433	405	417	402	415	404	420	413	410	393
21	418	404	417	403	439	413	434	400	413	402	416	405	422	412	408	393
22	421	406	417	403	436	410	432	391	417	400	420	403	421	412	413	392
23	421	407	417	404	436	410	431	398	418	403	416	405	422	414	413	398
24	421	407	417	404	436	410	431	398	418	403	416	405	422	414	413	398
25	423	409	420	404	436	411	435	409	421	407	418	408	425	416	415	400
26	423	411	420	404	436	415	436	407	421	411	419	411	425	417	418	406
27	423	407	420	404	438	412	438	405	423	406	419	407	424	413	419	399
28	423	408	419	404	437	415	438	408	426	410	421	412	422	412	414	399
29	423	405	416	401	434	412	437	407	422	404	420	407	419	411	414	395
30	421	404	416	401	435	413	436	406	421	404	420	406	420	411	415	399
31	420	409	417	406	437	416	439	408	421	405	419	408	422	412	417	403
	423	396	420	393	439	402	439	408	421	405	421	398	425	407	419	384

पाश्चिम मध्य प्रदेश विद्युत निगम, इंदूर क्षेत्र, इंदूर WRLD6, Mumbai

प्रबंधन प्रणाली MIS

दिनांक	बिना		प्रतापगढ़		नागदा		खडवा		सिपत		सेनि		प्रतापगढ़		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	417	405	409	391	422	406	428	413	774	758	787	766	784	759	788	762
2	417	405	409	391	421	403	427	409	770	758	787	766	784	759	788	762
3	416	404	400	395	419	406	427	413	770	758	786	767	781	752	787	761
4	415	405	402	391	421	405	427	409	770	758	780	771	772	762	782	761
5	421	409	407	393	425	410	433	416	770	758	796	772	785	758	793	768
6	415	404	411	401	424	407	430	411	770	758	779	758	778	751	779	750
7	415	404	403	393	422	407	427	406	770	758	783	757	777	757	782	759
8	416	405	405	393	421	408	427	407	773	758	788	763	777	755	784	763
9	418	407	406	396	421	407	427	407	773	758	786	767	770	761	785	768
10	419	405	408	394	423	406	428	413	761	761	790	770	783	760	787	762
11	415	407	404	395	420	403	426	409	761	761	786	766	781	761	782	764
12	416	404	406	391	419	406	427	410	761	761	790	770	783	757	786	764
13	414	402	403	389	419	399	424	400	761	761	785	758	778	748	781	758
14	412	398	400	385	419	398	425	403	761	761	783	765	774	744	777	747
15	414	403	403	390	424	402	427	405	767	756	781	759	779	757	784	766
16	415	403	404	390	420	403	425	409	770	756	786	760	781	752	785	764
17	415	405	405	392	420	405	427	409	772	753	784	763	782	762	784	767
18	413	404	402	389	423	406	426	411	768	756	780	764	778	753	785	763
19	420	407	409	389	426	407	419	419	774	761	792	774	790	754	794	766
20	417	406	404	389	423	402	424	414	772	764	789	772	780	752	787	764
21	417	403	401	383	420	406	427	410	772	760	788	768	774	743	783	767
22	416	408	403	393	421	404	427	410	771	760	786	770	778	761	787	770
23	417	409	403	391	424	406	427	410	773	761	790	772	779	758	789	772
24	418	408	404	392	424	406	427	410	773	761	787	773	779	755	788	770
25	419	408	406	393	424	409	431	414	776	761	793	769	781	762	792	770
26	423	409	408	390	427	411	431	417	774	762	793	774	789	758	795	768
27	420	406	402	388	426	408	431	413	772	758	794	765	784	752	791	766
28	419	406	405	388	426	410	431	417	772	759	791	772	782	753	790	764
29	417	404	404	388	423	408	430	414	769	758	788	771	782	751	785	761
30	415	403	402	388	423	406	430	412	766	755	788	766	781	752	782	759
31	417	407	408	391	423	410	431	416	769	756	789	776	788	758	782	759
	423	398	411	383	427	398	433	400	776	753	796	757	790	743	795	747

ANNEX -2.4

Under Frequency Operation in various Constituent System of Western Region during the month JULY - 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-Jul-15	0	0	0	0	0	0	0	0
2	02-Jul-15	0	0	0	0	0	0	0	0
3	03-Jul-15	0	0	0	0	0	0	0	0
4	04-Jul-15	0	0	0	0	0	0	0	0
5	05-Jul-15	0	0	0	0	0	0	0	0
6	06-Jul-15	2	49.4	0	0	0	0	0	0
7	07-Jul-15	1	100	0	0	0	0	0	0
8	08-Jul-15	0	0	0	0	0	0	0	0
9	09-Jul-15	0	0	0	0	0	0	0	0
10	10-Jul-15	0	0	0	0	0	0	0	0
11	11-Jul-15	0	0	0	0	0	0	0	0
12	12-Jul-15	0	0	0	0	0	0	0	0
13	13-Jul-15	0	0	0	0	0	0	0	0
14	14-Jul-15	1	1.6	0	0	0	0	0	0
15	15-Jul-15	0	0	0	0	0	0	0	0
16	16-Jul-15	0	0	0	0	0	0		0
17	17-Jul-15	0	0	NIL		NIL		NIL	0
18	18-Jul-15	0	0	0	0	0	0	0	0
19	19-Jul-15	0	0	0	0	0	0	0	0
20	20-Jul-15	0	0	0	0	0	0	0	0
21	21-Jul-15	0	0	0	0	0	0	0	0
22	22-Jul-15	0	0	0	0	0	0	0	0
23	23-Jul-15	0	0	0	0	0	0	0	0
24	24-Jul-15	0	0	0	0	0	0	0	0
25	25-Jul-15	0	0	0	0	0	0	0	0
26	26-Jul-15	0	0	0	0	0	0	0	0
27	27-Jul-15	0	0	0	0	0	0	0	0
28	28-Jul-15	0	0	0	0	0	0	0	0
29	29-Jul-15	1	0.2	0	0	0	0	0	0
30	30-Jul-15	0	0	0	0	0	0	0	0
31	31-Jul-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

Power Cut/Restrictions in Western Region for the month of July-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 staggered 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 10 Hrs. Power supply in staggered form in rotation of day & night is given to Ag. Single Phase supply during rest of 14 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	शून्य Nil
2.Staggering of power supply	शून्य Nil	शून्य Nil	शून्य Nil	शून्य Nil

2 कृषि क्षेत्र को विद्युत आपूर्ति

2. Power supply to Agricultural Sector: -

विवरण Details	से From दिनांक Date	तक To दिनांक Date	प्रति दिन आपूर्ति घंटे Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
2.1 Three-Phase Supply(DLF)	01.07.2015	31.07.2015	23:38	22:16	23:11
2.1 Three-Phase Supply(Irrigation)	01.07.2015	31.07.2015	09:54	09:06	09:40
2.1 Three-Phase Supply(Mixed)	01.07.2015	31.07.2015	23:30	22:14	23:02

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	ओसत प्रतिदिन आपूर्ति घंटे		
			Max. (Hrs)	Min. (Hrs)	Average Supply Hours per day Average (Hrs)
3.1 Commissionerary H. Qtrs.	01.07.2015	31.07.2015	23:50	23:23	23:43
3.2 District Head Qtrs.	01.07.2015	31.07.2015	23:57	23:42	23:50
3.3 Tehsil Head Qtrs.	01.07.2015	31.07.2015	23:44	23:00	23:33

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 01.07.15 to 31.07.15	@ 0-1476 MW	00.00	24.00	@ 1.9 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	01.07.2015	31.07.2015	10:00	08:00	09:00
2.2 Single-Phase Supply	01.07.2015	31.07.2015	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 83.48 MW(Av) For 107.11 Hrs. 2.Town Feeders (C-1to C-6 & X) : 0.00(Av)	-	-	0.290
			-	-
	3. HT Industries 95 (Av) For 135.54 Hrs.			0.347
Total Energy Cut/day				0.637
(b) Any other information 1.Weekly Off/staggering of power supply	1day (In a week as per consumer's option) 50MW(Av.)	-	-	0.039

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	01.07.2015 to 31.07.2015, 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 जुलाई 2015 का विस्तारित ब्यौरा

Details of forced unit outages during the month of July 2015

अनु क्रमांक Sl.No	युनिट Unit	संघटक Constituent/ PP	क्ष Cap.MW	From		From		Reason
				दिनांक Time	दिनांक Date	दिनांक Date	दिनांक	
1.	ESSAR-2	GSECL	172	12:12	22-02-2013	Still out	Still out	Shortage of gas
2.	GTPS-2	GSECL	120	20:20	22-10-2014	Still out	Still out	RSD
3.	GTPS-1	GSECL	120	5:36	22-10-2014	Still out	Still out	RSD
4.	UKAI-2	GSECL	120	15:02	10-11-2014	Still out	Still out	RSD
5.	SUGEN-2	GSECL	382	11:46	31-01-2015	Still out	Still out	RSD
6.	HAZIRA Ext-1	GSECL	351	0:37	25-03-2015	Still out	Still out	Restoration time long uncertain
7.	GPEC-1	GSECL	218	01:22	10.04.2015	08:54	13.07.2015	RSD
8.	UKAI -1	GSECL	120	20:41	24.04.2015	00:27	16.07.2015	RSD
9.	STPS-1	GSECL	120	09:25	14.05.2015	Still out	Still out	RSD
10.	GIPCL-2	GSECL	165	19:19	29.05.2015	05:39	12.07.2015	RSD
11.	WANAKBORI-5	GSECL	210	09:20	01-06-15	07:46	13.07.2015	RSD
12.	WANAKBORI-4	GSECL	210	16:47	01-06-15	15:08	13.07.2015	RSD
13.	WANAKBORI 6	GSECL	210	13:00:00	20-06-2015	01:52	14.07.2015	RSD
14.	STPS 2	GSECL	120	20:25:00	20-06-2015	20:20	13.07.2015	RSD
15.	GTPS-3	GSECL	210	23:40	22-06-2015	04:45	11.07.2015	RSD
16.	WANAKBORI 7	GSECL	210	07:52	24-06-2015	16:10	16.07.2015	RSD
17.	UKAI 3	GSECL	200	13:13:00	24-06-2015	06:56	10.07.2015	RSD
18.	UKAI 6	GSECL	500	17:15:00	24-06-2015	10:34:00	24-06-2015	RSD
19.	DGBP 1	GSECL	107	13:00:00	28-06-2015	06:10:00	11-07-2015	RSD
20.	GPEC 3	GSECL	218	17:03	30-06-2015	00:31	08-07-2015	RSD
21.	GPEC 2	GSECL	218	23:54	30-06-2015	22:47	07-07-2015	RSD
22.	UTRAN STG II 1	GSECL	375	05:48	05-07-2015	06:49	08-07-2015	RSD
23.	UKAI 6	GSECL	500	11:56:00	07-07-2015	16:33:00	12-07-2015	Low demand
24.	GPEC 2	GSECL	218	02:17:00	08-07-2015	08:26:00	11-07-2015	RSD
25.	GPEC 3	GSECL	218	02:38:00	08-07-2015	07:35:00	12-07-2015	RSD
26.	UKAI 4	GSECL	200	00:27:00	11-07-2015	10:07	05.08.2015	RSD
27.	DGBP 1	GSECL	107	16:50	11-07-2015	05:41	20.07.2015	RSD
28.	OPGS 1	GSECL	150	03:33	13-07-2015	23:54	19-07-2015	Turbine protection operated

29.	UKAI 5	GSECL	210	07:36	13-07-2015	00:27	16-07-2015	BTL
30.	GPEC 1	GSECL	218	23:16	13-07-2015	Still out	Still out	RSD
31.	GIPCL STG 2	GSECL	165	23:20	13-07-2015	07:56	05.08.2015	RSD
32.	GTPS- 4	GSECL	120	23:50	14-07-2015	02:30	20-07-2015	BTL/on RSD SINCE 00:30HRS/18-07-2015
33.	GPEC 3	GSECL	218	09:55	15-07-2015	05:39	21-07-2015	RSD
34.	DGBP 2	GSECL	112	14:36	15-07-2015	Still out	Still out	Low demand
35.	GPPC 2	GSECL	351	02:50	18-07-2015	Still out	Still out	Gas valve problem
36.	PIPAVAV 2	GSECL	350	02:50	18-07-2015	Still out	Still out	Gas purge valve problem
37.	UTRAN STG II 1	GETCO	375	05:43	20-07-2015	07:21	23-07-2015	RSD
38.	GPEC-2	GETCO	218	15:23	21-07-2015	Still out	Still out	RSD
39.	GTPS- 3	GETCO	210	04:05	22-07-2015	Still out	Still out	RSD
40.	WANAKBORI 5	GETCO	210	10:15	23-07-2015	Still out	Still out	RSD
41.	UTRAN STG II 1	GETCO	375	12:37	23-07-2015	12:05	27-07-2015	RSD
42.	WANAKBORI 6	GETCO	210	16:03	23-07-2015	Still out	Still out	Low demand.
43.	WANAKBORI 4	GETCO	210	06:22	25-07-2015	Still out	Still out	RSD
44.	GPEC 3	GETCO	218	12:34	25-07-2015	Still out	Still out	RSD
45.	STPS 2	GETCO	120	21:55	25-07-2015	Still out	Still out	Low demand.
46.	UKAI 6	GETCO	500	01:02	26-07-2015	Still out	Still out	RSD
47.	WANAKBORI 7	GETCO	210	23:30	26-07-2015	07:32	03.08.2015	RSD
48.	UKAI 1	GETCO	120	19:30	27-07-2015	Still out	Still out	RSD
49.	WANAKBORI 1	GETCO	210	22:45	27-07-2015	07:32	03-08-2015	RSD
50.	DGBP 1	GETCO	107	12:00	28-07-2015	Still out	Still out	RSD
51.	ALTPS 2	GETCO	125	22:48	28-07-2015	07:19	31-07-2015	Lignite problem
52.	UTRAN STG II 1	GETCO	375	05:59	29-07-2015	09:06	03-08-2015	RSD
53.	CHANDRAPUR-1	MAHAGENCO	210	7:15	28-08-2014	Still out	Still out	BTL/ Economic Shutdown.
54.	PARLI 6	MAHAGENCO	250	15:07	25-06-2015	Still out	Still out	Furnace pressure high/Water Shortage
55.	BHUSAWAL-2	MAHAGENCO	210	12:43	07-09-2014	Still out	Still out	Flame failure/economy shutdown
56.	URAN-6	MAHAGENCO	108	16:35	01-04-2015	Still out	Still out	Clean drain tank level high
57.	URAN-7	MAHAGENCO	108	00:07	17.04.2015	Still out	Still out	Gas turbine problem
58.	BHUSAWAL-3	MAHAGENCO	210	00:00	20.04.2015	18:26	12.06.2015	Low schedule
59.	TROMBAY-6	MAHAGENCO	500	05:59	05-06-15	11:50	13.07.2015	Economy S/D
60.	CHANDRAPUR 6	MAHAGENCO	500	23:58	09-06-2015	03:13	22.07.2015	CTL
61.	PARLI-3	MAHAGENCO	210	12:52	14.06.2015	Still out	Still out	Coal shortage
62.	JAIGAD 1	MAHAGENCO	300	13:37	29-06-2015	20:08	28.07.2015	Turbine vibration high
63.	KORADI 5	MAHAGENCO	200	02:25	01-07-2015	14:53:00	04-07-2015	ID fan problem
64.	KORADI 7	MAHAGENCO	210	23:20	01-07-2015	00:58:00	05-07-2015	BTL
65.	WPCL 3	MAHAGENCO	135	17:45	04-07-2015	12:11	12.07.2015	ID fan problem
66.	PARLI 4	MAHAGENCO	210	19:47	05-07-2015	Still out	Still out	Water shortage
67.	PARLI 5	MAHAGENCO	510	14:55:00	06-07-2015	Still out	Still out	Water shortage.
68.	PARLI 7	MAHAGENCO	250	12:07:00	08-07-2015	Still out	Still out	Water Shortage
69.	BHUSAWAL 4	MAHAGENCO	500	15:15	08-07-2015	07:23	11-07-2015	BTL
70.	KORADI 5	MAHAGENCO	200	19:19	09-07-2015	04:53	17.07.2015	ID fan problem

71.	DAHANU I	MAHAGENCO	250	04:57	10-07-2015	02:08	15.07.2015	BTL
72.	CHANDRAPUR 5	MAHAGENCO	500	04:43	11-07-2015	12:51	14.07.2015	BTL
73.	URAN A0 1	MAHAGENCO		14:34	15-07-2015	11:51	21-07-2015	RSD
74.	WPCL 1	MAHAGENCO	135	00:00	18-07-2015	00:44	29.07.2015	FD fan problem.
75.	KORADI 5	MAHAGENCO	200	20:57	18-07-2015	13:32	24.07.2015	ID fan problem
76.	WPCL 3	MSETCL	135	08:07	28-07-2015	03:49	03-08-2015	Filter problem
77.	NASIK1	MSETCL	210	14:55	28-07-2015	05:20	01-08-2015	BTL
78.	BHUSAWAL 5	MSETCL	500	06:29	29-07-2015	Still out	Still out	BTL
79.	TROMBAY 6	TPC	500	17:08	15-07-2015	Still out	Still out	Economy shutdown.
80.	TROMBAY 7A	TPC	120	20:38	17-07-2015	11:21	27-07-2015	GAS path inspection and rotor replacement.
81.	AMRAVATI TPP(Indiabull)-5	RATTAN POWER INDIA LTD	270	14:22	03-04-2015	Still out	Still out	Turbine shaft vibrations
82.	AMRAVATI TPP(Indiabull)-1	RATTAN POWER INDIA LTD	270	00:36	06-07-2015	17:59	19.07.2015	Furnace pressure high
83.	AMRAVATI TPP(Indiabull)-3	RATTAN POWER INDIA LTD	270	03:56	14-07-2015	13:21	14-07-2015	Furnace pressure low
84.	AMRAVATI TPP(Indiabull)-3	RATTAN POWER INDIA LTD	270	18:26	16-07-2015	13:44	25-07-2015	PA fan problem
85.	AMRAVATI TPP(Indiabull)-4	RATTAN POWER INDIA LTD	270	18:15	18-07-2015	18:36	22.07.2015	Turbine vibration high
86.	AMRAVATI TPP(Indiabull)-2	RATTAN POWER INDIA LTD	270	07:00	21-07-2015	01:21	29-07-2015	Abnormal sound in generator
87.	APL Mundra 4	ATIL	330	00:01	21-06-2015	06:19	09.07.2015	Drain line steam leakage
88.	APL MUNDRA 9	ATIL	660	17:43	01-07-2015	17:01	09.07.2015	CTL
89.	APML Tiroda 3	ATIL	660	15:03:00	04-07-2015	06:23	02.08.2015	Super heater valve leakage
90.	APML Tiroda 4	ATIL	660	17:14	13-07-2015	19:15	20-07-2015	Boiler valve problem
91.	APL MUNDRA 8	ATIL	660	01:53	21-07-2015	10:27	25-07-2015	Condenser tube leakage
92.	APL Mundra 1	ATIL	330	11:30	27-07-2015	Still out	Still out	RSD
93.	APL Mundra 3	ATIL	330	17:06	27-07-2015	Still out	Still out	RSD
94.	CGPL 40	CGPL,UMPP	830	03:57	30-06-2015	14:55	11.07.2015	Leakage in feed water system
95.	CGPL 10	CGPL,UMPP	830	01:18	12-07-2015	Still out	Still out	Differential protection of alternator and generating transformer operated
96.	CGPL 40	CGPL	830	11:43	27-07-2015	02:14	05-08-2015	RSD
97.	DGEN-52	TORRENT POWER	400	21:40	06-07-2015	06:01	05.08.2015	Low schedule
98.	DGEN-53	TORRENT POWER	400	21:40	24-07-2015	07:45	25-07-2015	Low schedule
99.	DGEN-53	TORRENT POWER	400	21:42	29-07-2015	07:45	31-07-2015	Less schedule
100.	UNOSUGEN 1	TORRENT POWER	382	23:54	31-07-2015	Still out	Still out	RSD
101.	ESSAR MAHAN-1	ESSAR	660	17:16	17.10.14	Still out	Still out	Less schedule
102.	ESSAR GT-1	ESSAR	172	01:47	12.03.2015	Still out	Still out	RSD
103.	EPGL 2	ESSAR	600	19:07	12-07-2015	00:25	24.07.2015	Water shortage
104.	EPGL 2	ESSAR	600	00:52	26-07-2015	Still out	Still out	RSD
105.	KSK 1	KSK	600	14:14	09-07-2015	04:00:00	11-07-2015	Turbine problem
106.	RGPPL-1B	RGPPL	320	23:00	31-03-2014	Still out	Still out	Dry preservation

107.	RGPPL-1A	RGPPL	320	13:30	8-07-2014	Ready	Ready	Less requisition
108.	RGPPL-2A	RGPPL	332	12:00	21-07-2014	Still out	Still out	CW pump problem
109.	RGPPL-2B	RGPPL	332	13:30	1-09-2014	Ready	Ready	Less requisition
110.	RGPPL-3B	RGPPL	332	18:09	30.05.2015	Still out	Still out	No schedule
111.	RGPPL-3A	RGPPL	332	19:50	01-06-2015	Still out	Still out	Take out after testing
112.	AMARKANTAK-4	MPGCL	120	11:13	30-04-2014	Still out	Still out	Turbine vibration
113.	AMARKANTAK-3	MPGCL	120	0:25	12-01-2015	Still out	Still out	Fire caught in turbine floor
114.	JPBINA-1	MPPGCL	250	09:21	14.04.2015	Still out	Still out	RSD
115.	JPBINA-2	MPPGCL	250	12:48	28.04.2015	Still out	Still out	RSD
116.	SGTPS-2	MPPGCL	210	10:47	23.05.2015	Still out	Still out	RSD
117.	SGTPS-3	MPPGCL	210	11:30	23.05.2015	Still out	Still out	RSD
118.	SGTPS-4	MPPGCL	210	12:00	23.05.2015	22:15	21.07.2015	RSD
119.	SATPURA-III-9	MPPGCL	210	13:30	23.05.2015	Still out	Still out	Fire in GT
120.	SGTPS-1	MPPGCL	210	11:44	29.05.2015	13:38	23.07.2015	Furnace pressure high
121.	SATPURA III 8	MPPGCL	210	00:07	16-06-2015	Still out	Still out	RSD
122.	SATPURA II 6	MPPGCL	200	10:20	22-06-2015	19:40	20.07.2015	RSD
123.	SATPURA II 7	MPPGCL	210	11:00	23-06-2015	05:50	19.07.2015	RSD
124.	SINGAJI 1	MPPGCL	600	10:01	25-06-2015	23:14	08.07.2015	RSD
125.	SATPURA IV 2	MPPGCL	250	11:34	11-07-2015	13:30	15.07.2015	ETL
126.	MB Power 1	MBPOWER	600	11:20	08.07.2015	Still out	Still out	Drum level high
127.	SINGAJI 1	MPPTCL	600	14:44	20-07-2015	Still out	Still out	Turbine vibration high
128.	SGTPS 5	MPPTCL	500	23:21	21-07-2015	19:11	24-07-2015	Water wall tube leakage
129.	SATPURA IV 11	MPPTCL	250	01:20	25-07-2015	Still out	Still out	Fire in GT
130.	SATPURA IV 10	MPPTCL	250	02:00	25-07-2015	Still out	Still out	Flame failure
131.	SGTPS-1	MPPTCL	210	20:47	29-07-2015	15:20	02-08-2015	RSD
132.	SGTPS-4	MPPTCL	210	21:49	29-07-2015	16:35	02-08-2015	RSD
133.	KORBA(E) 4	CSPGCL	210	13:20	27-06-2015	10:30	13.07.2015	Aux. Supply fail.
134.	KORBA(E) 5	CSPGCL	120	12:30	10-07-2015	16:10	20.07.2015	Wet coal
135.	KORBA(E) 6	CSPTCL	120	10:25	24-07-2015	07:40	27-07-2015	BTL
136.	KORBA(W) CSETCL 4	CSPTCL	210	14:05	25-07-2015	09:51	28-07-2015	BTL
137.	KWPCL 1	KWPCL	600	00:02	22-07-2015	18:04	05.08.2015	Less schedule
138.	BALCO- 1	BALCO	300	00:43	22-07-2015	15:55	27-07-2015	BTL
139.	VANDANA -1	VANDANA	135	15:00	9-01-2015	Still out	Still out	BTL
140.	DHARIWAL-2	DHARIWAL	300	0:00	22-12-2014	Still out	Still out	RSD

141.	DHARIWAL-1	DHARIWAL	300	02:27	28.05.2015	Still out	Still out	High vibration problem
142.	LANCO-2	LANCO	300	12:20	21-08-2013	Still out	Still out	Coal shortage
143.	JPL-4	JINDAL POWER	250	23:59	31-03-2015	16:10	10.07.2015	Low export schedule
144.	JPL Stg-II 2	JINDAL POWER	600	06:00	05-07-2015	04:40	10.07.2015	Less schedule
145.	JPL Stg-I 2	JINDAL POWER	600	17:29	10-07-2015	Still out	Still out	RSD
146.	JPL Stg-II 2	JPL	600	23:58	31-07-2015	Still out	Still out	low schedule
147.	JP Nigrie 1	JAYPEE	660	16:56	29-07-2015	Still out	Still out	Elective shut down
148.	SASAN 3	SASAN_UM PP	660	23:27	21-07-2015	17:16	26-07-2015	PA header leakage
149.	KAWAS GT 1A	NTPC	106	14:55	01-06-2015	Still out	Still out	Less schedule
150.	MOUDA-1	NTPC	500	10:14	01-06-15	09:42	12.07.2015	RSD
151.	GANDHAR-3	NTPC	219	01:07	04-06-15	14:58	13.07.2015	Less requisition.
152.	MOUDA-2	NTPC	500	19:00	05-06-15	18:34	13.07.2015	RSD
153.	GANDHAR GT 2	NTPC	219	18:27	08-06-2015	11:40	13.07.2015	Less schedule
154.	VSTPS 7	NTPC	500	00:08	12-06-2015	09:02	05.08.2015	Turbine seal failure
155.	GANDHAR GT 1	NTPC	219	06:05	12-06-2015	10:55	13.07.2015	Less schedule
156.	VSTPS 6	NTPC	210	14:36	23-06-2015	05:48	09.07.2015	Low Schedule
157.	KAWAS GT 1C	NTPC	106	17:27	23-06-2015	Still out	Still out	Low schedule
158.	KAWAS GT 1B	NTPC	106	17:54	23-06-2015	Still out	Still out	Low schedule
159.	KAPS 2	NPCL	220	14:09	01-07-2015	Still out	Still out	Feed water side problem
160.	VSTPS 12	NTPC	500	07:01	09-07-2015	04:57:00	13-07-2015	BTL
161.	GANDHAR GT 1	NTPC	219	12:38	17-07-2015	08:20	21-07-2015	Less schedule
162.	MOUDA 1	NTPC	500	19:39	20-07-2015	Still out	Still out	RSD
163.	GANDHAR GT 1	NTPC	219	00:37	22-07-2015	Still out	Still out	Less schedule
164.	MOUDA 2	NTPC	500	12:18	23-07-2015	Still out	Still out	RSD
165.	KAWAS GT 2B	NTPC	106	13:54	25-07-2015	05:52	30-07-2015	Less schedule
166.	SIPAT I 1	NTPC	660	14:12	27-07-2015	19:03	02-08-2015	RSD
167.	VSTPS 5	NTPC	210	10:43	28-07-2015	Still out	Still out	RSD
168.	VSTPS 2	NTPC	210	17:01	28-07-2015	Still out	Still out	RSD
169.	VSTPS 8	NTPC	500	09:55	29-07-2015	04:30	03-08-2015	RSD
170.	VSTPS 6	NTPC	210	13:59	31-07-2015	18:33	03-08-2015	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 आऊटेज का जुलाई 2015 का विस्तारित ब्यौरा

Details of planned unit outages during the month of July 2015

क्रमांक Sl.No	युनिट Unit	Constituent/IPP	क्ष Cap.MW	From		From		Reason
				दिनांक	दिनांक	दिनांक	दिनांक	
				Time	Date	Time	Date	
1.	SLPP 4	GSECL	125	16:45	21-06-2015	05:26	16.07.2015	AOH
2.	WANAKBORI 3	GSECL	210	00:06	02-07-2015	21:29	02.08.2015	AOH
3.	GTPS- 3	GSECL	219	04:05	22-07-2015	Still out	Still out	AOH
4.	GTPS- 5	GSECL	219	00:00	12-07-2015	Still out	Still out	AOH
5.	SLPP 3	GSECL	125	01:23	19-07-2015	Still out	Still out	AOH
6.	KHAPARKHEDA 4	MAHAGENCO	210	23:57	19-06-2015	01:34	17.07.2015	AOH
7.	NASIK 5	MAHAGENCO	210	23:50	30-06-2015	14:10	30.07.2015	AOH
8.	TAPS - 1	NPCIL	160	22:39	12-10-2014	Still out	Still out	Refueling works
9.	KORBASTPS-7	NTPC	500	00:44	10.06.2015	20:54	13.07.2015	AOH
10.	SIPAT II 5	NTPC	500	23:14	11-07-2015	Still out	Still out	AOH
11.	KSTPS 2	NTPC	200	21:05	18-07-2015	Still out	Still out	BTL/AOH

Annexure- 3.1

DETAILS OF MAINTENANCE PROGRAM OF GENERATING UNITS PROPOSED DURING AUGUST 2015 AND SEPTEMBER 2015

S. No.	Unit	No.	Capacity (MW)	Outage as per Annual Maintenance Plan		Reason
				From	To	
1	GUVNL					
1.1	SLPP	2	125	16-Aug-15	5-Sep-15	AOH
1.2	APL	8	660	14-Sep-15	9-Oct-15	AOH
1.3	UNO SUGEN	40	382.5	2-Sep-15	9-Sep-15	AOH
1.4	UKAI	6	500	1-Aug-15	15-Sep-15	ESP REPLACEMENT WORK
1.5	WTPS	7	210	5-Aug-15	26-Aug-15	AOH
2	MPPGCL					
2.1	SANJAY GANDHI	3	210	15.08.15	13.09.15	AOH
3	CSPGCL					
3.1	KEB#3	3	50	26.08.15	05.10.15	COH
3.2	KWBTPS #1	1	210	01.09.15	24.09.15	AOH
4	MSPGCL					
4.1	CHANDRAPUR	4	500	08/08/2015	02/09/2015	AOH
5	Central Sector					
5.1	KORBA	5	500	23-Sep-15	27-Oct-15	Blr,LPT,GEN ,C&I DDCMIS, ESP
5.2	Vindhyachal	5	200	22-Aug-15	10-Sep-15	AOH-BLR
5.3	Vindhyachal	4	200	12-Sep-15	21-Oct-15	CAP+GEN+BLR+ESP R&M
5.4	Vindhyachal	12	500	01-Nov-15	25-Sep-15	BLR+GEN+ TG BRGS INSP.
5.5	CGPL	20	800	1-Sep-15	25-Sep-15	AOH
5.6	NSPCL BHILAI	2	250	21-Aug-15	30-Sep-15	AOH

NOTE : V,CHAL UNIT -12 WAS PROPOSED FROM 20TH SEPTEMBER 2015. DURING THE OCC, BENEFITIARIES WERE REQUESTED IT TO POSTPONE IN THE MONTH OF NOVEMEBR. ACCORDINGLY OCC AGREED ON THE SAME.

ANNEXURE 3.2

Outage Planning of Transmission elements during the Duration 20.08.2015 to 19.09.2015												
SN	KV	Line	From		To		Basis	Reason	System	Agency	Type	
			Date	Time	Date	Time						
1	500kV	Mundra - Mohindargarh, HVDC Pole-1	16-Aug-15	8:00	16-Aug-15	18:00	Daily	Tower Restoration through ERS , Sifting of Conductor of Pole-1 from damaged Tower No.879 to ERS	ATIL /NRP	ATIL / NRFC		
2	500kV	Mundra - Mohindargarh, HVDC Pole-2	17-Aug-15	8:00	17-Aug-15	18:00	Daily	Tower Restoration through ERS, Sifting of Conductor of Pole-1 from damaged Tower No.879 to ERS	ATIL /NRP	ATIL / NRFC		
3	400	WTPS - Dehgam (PG) line	17-Aug-15	7:00	20-Sep-15	18:00	Daily	hot line stringing of OPGW laying work	GETCO	GETCO		
4	400	400 kV Ramagundam-Chandarpur-I	19-Aug-15	7:00	20-Aug-15	19:00	Daily	Replacement of Insulators with CLR	SRPC	POWERGRID SR1		
5	400	Annupur-Jabalpur-D/c	19-Aug-15	7:00	20-Aug-15	19:00	conti	crossing of 765kV D/c Dharamjaygarh-Jabalpur	WRTS-2	WRTS-2		
6	400	400 Kv D/C Parli Pune Line	20-Aug-15	8:00	20-Aug-15	18:00	Daily	For crossing of 765 KV Solapur Aurangabad line	WRTML	WRTS-I	C	
7	HVDC	HVDC Pole-1 at Bhadrawati	20-Aug-15	9:00	20-Aug-15	18:00	Daily	Half yearly Amp works	WRTS-I	WRTS-I	R	
8	400	Pune(GIS)-Pune # 1& 2	20-Aug-15	6:00	19-Sep-15	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTML	WRTS-I	C	
9	400	Solapur-Parli # 1& 2	20-Aug-15	6:00	19-Sep-15	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTML	WRTS-I	C	
10	765	Seoni-Wardha # 1	20-Aug-15	6:00	19-Sep-15	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTS-I	WRTS-I	C	
11	400	Solapur-Kolhapur-1&2	20-Aug-15	6:00	19-Sep-15	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTML	WRTS-I	C	
12	765/400	765/400 KV ICT # 3 at Wardha	20-Aug-15	9:00	21-Aug-15	18:00	Cont.	400 KV Side LA replacement work	WRTS-I	WRTS-I	C	
13	765	765 KV Wardha Aurangabad # 1 Line	20-Aug-15	9:00	20-Aug-15	18:00	Daily	NGR replacement work	WRTS-I	WRTS-I	C	
14	400	Boisar-1 L/ Reactor at Aurangabad	20-Aug-15	9:00	20-Aug-15	18:00	Daily	for AMP works	WRTS_I	WRTS_I	R	
15	400	125 MVAR Bus reactor at Seoni	20-Aug-15	8:00	20-Aug-15	18:00	Daily	Bushing tan delta measurement as per instruction of RHQ (AM).	WRTS-I	WRTS-I	R	
16	765 /400	ICT# 1 at Pune GIS	20-Aug-15	10:00	20-Aug-15	13:00	Daily	Bushing oil sample collection	WRTS-I	WRTS-I	R	
17	400	63 MVAR Bus Reactor # 1 at Jabalpur SS	20-Aug-15	10:00	20-Aug-15	14:00	Daily	For annual maintenace work	PGCIL	WR-II	R	
18	400	Vchal-Satna Line # 3	20-Aug-15	9:00	20-Aug-15	18:00	Daily	For CSD Commissioning at Satna	PGCIL	WR-II	C	
19	400	125MVAR Bus Reactor -I at Khandwa	20-Aug-15	9:00	20-Aug-15	18:00	Daily	For CSD Commissioning work.	PGCIL	WR-II	C	
20	765	SEONI MAIN BAY at Bina	20-Aug-15	9:00	20-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C	
21	220	Gwalior-Mahalgaon#1 line	20-Aug-15	10:00	20-Aug-15	18:00	Daily	To attain ratio Problem in CVT at Gwalior	MPPTCL	WR-II	R	
22	400	Rajgarh-SSP#1	20-Aug-15	10:00	20-Aug-15	15:00	Daily	For Terminal Equipment annual maintenace work at Rajgarh.	PGCIL	WR-II	R	
23	400	Bus # 1 at Bhachau SS	20-Aug-15	10:00	20-Aug-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R	
24	765	765kV ICT # 2 at Jabalpur Pooling Station	20-Aug-15	9:00	20-Aug-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 2 for Swapping.	PGCIL	WR-II	C	
25	400	Sugen-Vapi	20-Aug-15	9:00	3-Sep-15	18:00	Daily	Online Additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
26	400	Mundra-Jetpur Circuit# 1	20-Aug-15	07:00	20-Sep-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
27	765	Sasan - Satna Ckt-I	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
28	765	Gwalior - Agra Ckt-II	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
29	765	Satna - Gwalior Ckt-I	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
30	400	Vapi - Kala ckt-1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
31	400	Navsari - magarwada # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	
32	220	Kawas - Haladarwa # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C	

33	220	Gandhar - Haldarwa # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
34	220	Kawas - Navsari GIS # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
35	220	Kawas-Vav # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
36	220	Bhopal 400 - Bhopal 220 # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
37	400	Vindhyachal Pooling - SASAN UMPP # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
38	400	Navsari - Boiser # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
39	220	Bina(PG)-Bina(MPPTCL) # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
40	220	Damoh -Damoh (MPPTCL) # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
41	220	Haldarwa-Kakrapar (NPC) # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
42	220	Kawas-Dastan # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
43	220	Dastan-Navsari # 1	20-Aug-15	7:00	19-Sep-15	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	PGCIL	WR-II	C
44	765	765 KV Bus Reactor at Kotra PS	20-Aug-15	9:00	21-Aug-15	18:00	Daily	AMP / Verification of Spare Switching Scheme	WRTS-I	WRTS-I-CG	R
45	765	765 kV S/C Sipat-Bilaspur Ckt-I	20-Aug-15	8:00	21-Aug-15	18:00	Continuous	Non A/R mode for installation of additional earthing	WRTS-I	WRTS-I-CG	
46	400	Thapitanda-Akola ckt-2	20-Aug-15	11:00	20-Aug-15	18:00	Daily	Bay maintenance work	MSETCL	MSETCL	
47	220	Kawas-Vav 1	20-Aug-15	9:00	20-Aug-15	18:00	Continuous	Prementive Maintenance & Relay testing	NTPC	NTPC	
48	400	Sequential outage of Switchyard Breakers at JPL - stage - 2	20-Aug-15	9:00	19-Sep-15	18:00	Daily	Sequential outage, one breaker at a time for replacement of 400kV Defective CB interrupter	JPL	JPL	
49	400	SUGEN PIRANA Line Bay with Transfer Bus.	20-Aug-15	9:30	20-Aug-15	14:30	Daily	Attend Hotspot on Transfer Bus isolator	TPL-SUGEN	TPL-SUGEN	R
50	400	400/220KV 315MVA ICT II AT 400KV PARLY	20-Aug-15	7:00	20-Aug-15	17:00	Daily	Quarterly Maintenance.	MSETCL	MSETCL	
51	400	400KV CHANDRAPUR II-WARORA CKT II	20-Aug-15	9:00	21-Aug-15	18:00	DAILY	LINE MAINTENANCE WORK	MSETCL	MSETCL	
52	400	Vchal (NTPC) - Sasan # 2	20-Aug-15	7:00	21-Aug-15	18:00	continuous	Removing contingency arrangement and connecting the line at Vchal Pooling SS. Finally line will be charged as Vchal (NTPC) - Vchal (Pooling) Ckt.2 and Vchal (Pooling) - Sasan Ckt.2 as per the original approved scheme.	PGCIL	WR-II	C
53	400	ICT # 2 & 400 KV Bus 2 at Vadodara	20-Aug-15	9:00	21-Aug-15	18:00	Daily	CSD Relay Commissioning Works.	PGCIL	WR-II	C
54	400	Nagda - Dehgam # 1	20-Aug-15	7:00	20-Sep-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
55	765	765kV ICT # 2 at Jabalpur Pooling Station	20-Aug-15	9:00	20-Aug-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 2 for Swapping with ICT # 2 B Phase.	PGCIL	WR-II	C
56	400	Gandhar - Navsari Ckt.1	20-Aug-15	8:00	19-Sep-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
57	765	Dharamjaygarh- Jharsugda -I	20-Aug-15	8:00	21-Aug-15	18:00	Daily	For protection audit	WRTS-I-CG	POWERGH	C
58	765	Indore- Vadodara	21-Aug-15	9:00	21-Aug-15	18:00	Conti.	CSD commissioning in switchable reactor at Indore end.	PGCIL	WR-II	C
59	400	Bhadrawati-Parli-1 & Bhadrawati - Dhariwal-Parli	21-Aug-15	6:00	19-Sep-15	18:00	Daily	Onlien OPGW work (Auto reclose to be kept in Non auto mode on Parli # 01.(400 Kv Bhadrawati Chandrapur 3 & 4 is crossing underneath the 400 Kv Bhadrawati Parli line between span 4-5. Auto reclose in non auto mode is required on 400 Kv Bhadrawati Chandrapur # 3 and 4).	WRTS-I	WRTS-I	C
60	765	765kV Bus-1 at Solapur s/s	21-Aug-15	9:00	22-Aug-15	18:00	Daily	Isolator Erection of 710 Bay For Solapur-Aurangabad Line-2 & Bus stability test for commissioning of Aurangabad Reactors	WRMML	WRTS-I	C
61	765/400	ICT-1 at Aurangabad	21-Aug-15	8:00	22-Aug-15	18:00	Daily	Commissioning of OLTC, pending works, FFS works and normalisation of R-ph unit after repairs	WRTS-I	WRTS-I	C

62	400	Bhachau - Ranchodpura # 1	21-Aug-15	8:00	9-Sep-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
63	400	Sipat-Korba line	21-Aug-15	7:30	22-Aug-15	19:00	Continuous	Annual Preventive maintenance	NTPC	NTPC	
64	400Kv	Dhule BUS bar testing	21-Aug-15	7:00	21-Aug-15	18:00	daily	Online Bus bar testing	MSETCL	MSETCL	
65	765 /400	ICT# 2 at Pune GIS	21-Aug-15	10:00	21-Aug-15	13:00	Daily	Bushing oil sample collection	WRTS-I	WRTS-I	R
66	400 /220	ICT-1 (315 MVA) at Seoni	21-Aug-15	8:00	21-Aug-15	18:00	Daily	AMP works	WRTS-1	WRTS-1	R
67	400	HVDC -1 main bay (403bay) at Bhadrawati	21-Aug-15	9:00	21-Aug-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
68	220	Pune- Talegaon MSETCL Line # 1	21-Aug-15	16:00	21-Aug-15	18:00	Daily	Fixing of conductor on Wavetrap, NTMC operation check	MSETCL	WRTS-I	C
69	400	Jabalpur-Itarsi Line # 1	21-Aug-15	10:00	21-Aug-15	14:00	Daily	For Terminal Equipment annual maintenance work at Jabalpur.	PGCIL	WR-II	R
70	400	Pirana - Dehgam # 1	21-Aug-15	7:00	25-Aug-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
71	400	V'chal-Satna Line # 4	21-Aug-15	9:00	21-Aug-15	11:00	Daily	For CSD Commissioning at Satna	PGCIL	WR-II	C
72	765	SEONI & ICT-1 TIE BAY at Bina	21-Aug-15	9:00	21-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
73	400	Bus Reactor -1 at Gwalior	21-Aug-15	10:00	21-Aug-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
74	400	Rajgarh-Nagda#1	21-Aug-15	10:00	21-Aug-15	15:00	Daily	For Terminal Equipment annual maintenance work at Rajgarh.	PGCIL	WR-II	R
75	400	Dehgam-Sami-1 Main Bay- 424 at Dehgam s/s	21-Aug-15	10:00	21-Aug-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
76	400	Bus # 2 at Bhachau SS	21-Aug-15	10:00	21-Aug-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
77	400	Indore(Powergrid)-Indore(MPPTCL) line - II	21-Aug-15	9:00	25-Aug-15	18:00	Conti.	To erect gantry tower at Indore Powergrid sub-station for, New 400KV Indore-Khandawa tr. Line in view of low electrical clearance.	PGCIL	WR-II	C
78	765	765kV Main & Tie Bay of Dharmjagarh # 1 at Jabalpur Pooling Station	21-Aug-15	9:00	22-Aug-15	18:00	Cont.	Jack Bus Jumpering with Line Isolators to enable the commissioning of 765kV JBP - Dharmjagarh # 1 Transmission Line.	PGCIL	WR-II	C
79	400	400kV ACBIL Line Bay-413L at Bilaspur S/s.	21-Aug-15	8:00	21-Aug-15	17:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
80	400	Jindal # 4 & AT#1 (408) Tie Bay at Tamnar PS	21-Aug-15	8:00	21-Aug-15	20:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
81	765	Main Bay 803 of ICT # 1 at Durg PS	21-Aug-15	10:00	21-Aug-15	12:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
82	765	Tie Bay 802 of ICT#1 at Durg PS	21-Aug-15	12:00	21-Aug-15	14:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
83	765	Main Bay 812 of B/R#1 at Durg PS	21-Aug-15	14:00	21-Aug-15	16:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
84	765	Tie Bay 811 at Durg PS	21-Aug-15	16:00	21-Aug-15	18:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
85	400	400/220/33 kV, 315 MVA ICT-III	21-Aug-15	09:00	21-Aug-15	17:00	Daily	Quarterly maintenance			
86	400	Akola -Yelwan - II Line Bay no. 417 & 418 at AKOLA SS	21-Aug-15	09:00	21-Aug-15	18:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
87	400	400 KV PADGHE - NAGOTHANE 1	21-Aug-15	9:00	21-Aug-15	18:00	Daily	Faulty disc replacement ,Fixing of spacers ,damper .and other line maintence work	MSETCL	MSETCL	
88	220	Kawas-Vav 2	21-Aug-15	9:00	21-Aug-15	18:00	Continuous	Prementive Maintenance & Relay testing	NTPC	NTPC	
89	400	DGEN - TRANSFER BUS	21-Aug-15	9:00	21-Aug-15	18:00	Continuous	Attending of Corona Disc of Isolators	TEL	TEL	R
90	400	400KV S/S BINA - 50 MVAR BUS REACTOR	21-Aug-15	9:00	21-Aug-15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
91	220	220 KV DAMOH PG - SAGAR CKT	21-Aug-15	9:00	21-Aug-15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
92	400	400KV Bus-1 at Sugen	21-Aug-15	9:30	21-Aug-15	17:30	Daily	Attend 'Bus Coupler Isolator 409-89A 'R' Phase	TPL-SUGE	TPL-SUGER	
93	500	HVDC CHANDRAPUR POLE I	21-Aug-15	8:00	26-Aug-15	20:00	CONT	ANNUAL MAINTENANCE WORK	MSETCL	MSETCL	
94	400	400 KV Deepnagar-Khadka-I	21-Aug-15	9:00	21-Aug-15	17:00	Dailly	Tightening of nut bolts of Suspension Locations of Tension plate, Arcing Horn, corona ring, H/W,& 'D' cycles etc of newly erected line.LOC No.4.6.14.16.17	MSETCL	MSETCL	
95	400	Raipur-1 Tie bay at Bhadrawati	21-Aug-15	8:00	28-Aug-15	18:00	Conti.	NGEF breaker replacement by new CGL breaker	WRTS-I	WRTS-I	R
96	400	400kV Jbp-Vindhyachal ckt3	21-Aug-15	8:00	21-Aug-15	18:00	Daily	CSD commissioning	WRTS-II	POWERGR	C
97	400	Nagda - Dehgam Ckt. 1 & 2	22-Aug-15	8:00	20-Sep-15	18:00	Daily	Online PID testing of insulator strings. Auto reclosure to be kept in non auto mode during testing in both circuits	PGCIL	WR-II	R

98	765	765 kV V'chal-Satna line # 1	22-Aug-15	9:00	24-Aug-15	18:00	Continuous	For Attending PLCC Problem, Line & Reactor Isolator & Earth Switch Alignment work at Satna	PGCIL	WR-II	C
99	400	Parli-Pune(GIS) # 2 & Talegaon-Pune(GIS) # 1	22-Aug-15	8:00	22-Aug-15	18:00	Daily	Rectification/fixing of balance spacers	WRTS-I	WRTS-I	C
100	132	132 KV S/C BEED-GEVRAI	22-Aug-15	6:00	23-Aug-15	19:00	Cont.	For overhead stringing work	MSETCL	WRTS-I	C
101	400 /220	ICT-2 (315 MVA) at Seoni	22-Aug-15	8:00	22-Aug-15	18:00	Daily	AMP works	WRTS-1	WRTS-I	R
102	765	765 KV Wardha Raipur # 1 Line	22-Aug-15	9:00	22-Aug-15	18:00	Daily	Balance Rectification works on line	WRTS-I	WRTS-I	C
103	765	Aurangabad # 1 Main (716) Bay at Wardha	22-Aug-15	9:00	22-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
104	400	Talegaon -Padghe Line	22-Aug-15	9:00	22-Aug-15	18:00	Daily	Placing of Conductor on LA's & NTMC operation check Work,	MSETCL	WRTS-I	C
105	765	Padghe-1 L/R with Main & Tie bays at Aurangabad	22-Aug-15	9:00	22-Aug-15	18:00	Daily	for connecting strung bus jumper to Line Isolator & Bay AMP works	WRTS-I	WRTS-I	C
106	400	Jabalpur-Itarsi Line # 2	22-Aug-15	10:00	22-Aug-15	14:00	Daily	For Terminal Equipment annual maintenace work at Jabalpur.	PGCIL	WR-II	R
107	765	ICT-1 MAIN BAY at Bina	22-Aug-15	9:00	22-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
108	400	404 Bay (400KV B/R-1 Main Bay) at Gwalior	22-Aug-15	10:00	22-Aug-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
109	400	Dehgam-Sami-1 Tie Bay- 425 at Dehgam s/s	22-Aug-15	10:00	22-Aug-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
110	400	AT#1 (409) Main Bay at Tamnar PS	22-Aug-15	8:00	22-Aug-15	20:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
111	765	765 KV Line Reactor of Kotra - Durg Ckt # 1 at Kotra PS	22-Aug-15	10:00	22-Aug-15	18:00	Daily	Bushing Oil Sampling / Tan Delta of Bushing at variable frequency	WRTS-I	WRTS-I-CG	R
112	765	765 kV S/C Sipat-Bilaspur Ckt-II	22-Aug-15	8:00	23-Aug-15	18:00	Continuou s	Non A/R mode for installation of additional earthing	WRTS-I	WRTS-I-CG	
113	765	Main Bay 810 of Kotra#1 at Durg PS	22-Aug-15	10:00	22-Aug-15	12:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
114	765	Main Bay 813 Kotra# 2 at Durg PS	22-Aug-15	12:00	22-Aug-15	14:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
115	765	Tie Bay 814 at Durg Ps at Durg PS	22-Aug-15	14:00	22-Aug-15	16:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
116	765	Main Bay 815 of Wardha # 1 at Durg PS	22-Aug-15	16:00	22-Aug-15	18:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
117	400	Bableshwar - Dhule 2	22-Aug-15	09:00	22-Aug-15	17:00	Daily	Quarterly maintenance and Relay / CB Testing	MSETCL	MSETCL	
118	400	DEEPNAGAR WALLUJ	22-Aug-15	10:00	22-Aug-15	09:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
119	400	400/132 KV,200 MVA ICT-II AT 400KV BHUSAWAL	22-Aug-15	9:00	22-Aug-15	17:00	Daily	Routine testing work & routine bay Maintenance.	MSETCL	MSETCL	
120	400	400KV Bus Coupler AT 400KV DHULE	22-Aug-15	9:00	22-Aug-15	17:00	Daily	Quarterly Maintenance , ROUTINE TESTING WORK	MSETCL	MSETCL	
121	400	Satna-Bina Line # 4	22-Aug-15	9:00	22-Aug-15	18:00	Daily	For CSD Commissioning work at Satna.	PGCIL	WR-II	C
122	765	Dharamjaygarh- Jharsugda -II	22-Aug-15	8:00	23-Aug-15	18:00	Daily	For protection audit	WRTS-I-CG	POWERGR	C
123	765	765kV ICT -I at Kotra PS	22-Aug-15	8:00	22-Aug-15	18:00	Daily	For rotation of spare ICT	WRTS-I-CG	POWERGR	C
124	400	400kV Jbp-Vindhyachal ckt4	22-Aug-15	8:00	22-Aug-15	18:00	Daily	CSD commissioning	WRTS-II	POWERGR	C
125	765	765 KV Vadodara - Dhule line	22-Aug-15	9:00	22-Aug-15	18:00	Daily	Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara	PGCIL	WR-II	C
126	765	Dhule-Vadodara-S/c	22-Aug-15	9:00	23-Aug-15	19:00	daily	Insulator replacement and jumper tightening . Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara	BDTCL /	BDTCL / WRTS-2	
127	400	Kolhapur-Mapusa # 1 & 2	23-Aug-15	8:00	23-Aug-15	16:00	Daily	Stringing of 765 KV Kudgi-Kolhapur D/C line over 400 KV Kolhapur - Mapusa D/C line	WRTS-I	WRTS-I	C
128	400	400 KV Deepnagar-Khadka-I	23-Aug-15	9:00	23-Aug-15	17:00	Daily	Tightening of nut bolts of Suspension Locations of Tension plate, Arcing Horn, corona ring, H/W, & 'D' cycles etc of newly erected line.LOC No.18,19,20,21,23	MSETCL	MSETCL	
129	765	Solapur (PG)-Pune GIS	23-Aug-15	6:00	23-Aug-15	18:00	Daily	for crossing of 765KV D/C Solapur Aurangabad Line	WRTS-I	WRTS-I	C
130	400	400KV Talegaon Kalwa Line	23-Aug-15	9:00	23-Aug-15	18:00	Daily	Changing of OPGW Wire, work will be carried out by POWERGRID Telecom department . Line Outage required	MSETCL	WRTS-Tele	C

131	400	Parli-Pune(GIS) # 1 & Talegaon-Pune(GIS) # 2	23-Aug-15	9:00	23-Aug-15	18:00	Daily	Rectification/fixing of balance spacers	WRTS-I	WRTS-I	C
132	765	765kV Main & Tie Bay of Dharmjagarh # 2 at Jabalpur Pooling Station	23-Aug-15	9:00	24-Aug-15	18:00	Cont.	Jack Bus Jumpering with Line Isolators to enable the commissioning of 765kV JBP - Dharmjagarh # 1 Transmission Line.	PGCIL	WR-II	C
133	400	DGEN – NAVASARI Line 1	23-Aug-15	9:00	23-Aug-15	13:00	Continuous	For cloth cleaning of Insulators at 140M Transmission Tower at Narmada River Crossing.	TEL	TEL	R
134	400	DGEN – NAVASARI Line 2	23-Aug-15	14:00	23-Aug-15	18:00	Continuous	For cloth cleaning of Insulators at 140M Transmission Tower at Narmada River Crossing	TEL	TEL	R
135	220	220kV D/C Line (Osmanabad - Solapur)	24-Aug-15	8:00	24-Aug-15	18:00	Daily	For crossing of 765 KV Solapur Aurangabad line	MSETCL	WRTS-I	C
136	765	765 Kv Bus reactor at Seoni	24-Aug-15	8:00	26-Aug-15	18:00	Cont.	Spare reactor shall taken in service	WRTS-I	WRTS-I	C
137	765	765kV Wardha - Aurangabad # 4 line	24-Aug-15	9:00	24-Aug-15	18:00	Daily	For attending CSD work	WRTS-I	WRTS-I	C
138	400	400 KV Wardha- Mauda # 2	24-Aug-15	9:00	24-Aug-15	18:00	Daily	To check earth wire clearance	WRTS-I	WRTS-I	R
139	765	765 KV Wardha Raipur # 2 Line	24-Aug-15	9:00	25-Aug-15	18:00	Daily	Balance Rectification works on line / Ss	WRTS-I	WRTS-I	C
140	400	Mauda # 1 Main (434) Bay at Wardha	24-Aug-15	9:00	24-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
141	400	400 KV Bhadravati -Dhariwal - Parli # 02.	24-Aug-15	8:00	25-Aug-15	18:00	Daily	Replacement of Porcelain insulators (Outage is required on 400 Kv Bhadravati-Dhariwal-Parli # 2 and on CKT # 01 auto reclose in Non auto mode is required.400 Kv Bhadravati Chandrapur # 3 & 4 is crossing underneath BVT-Parli 1 & 2 Hence 400 KV Bhadravati Chandrapur # 3 & 4 auto reclose in non mode is required)	WRTS-I	WRTS-I	C
142	400	Boisar-2 L/ Reactor at Aurangabad	24-Aug-15	9:00	24-Aug-15	18:00	Daily	for commissioning of 426 Tie bay and AMP works	WRTS_I	WRTS_I	C
143	765	765kV Bus-2 at Solapur s/s	24-Aug-15	9:00	25-Aug-15	18:00	Daily	Isolator Erection of & 709 Bay For Aurangabad Line & Bus stability test for Aurangabad Line Reactor commissioning.	WRTS-I	WRTS-I	C
144	220	Bus # 2 at Pune (Talegaon)	24-Aug-15	9:30	24-Aug-15	17:00	Daily	Fixing of 202 Line Isolator dropper from Bus and for attending 204 89B Isolator closing problem.	WRTS-I	WRTS-I	C
145	400	Chandrapur-4 main bay (416 bay) at Bhadravati	24-Aug-15	9:00	24-Aug-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
146	400	125 MVAR BR & V-J # 1 Tie bay (402) at Jabalpur	24-Aug-15	10:00	24-Aug-15	17:00	Daily	Checking of Isolator Remote Operation.	PGCIL	WR-II	R
147	765	1000 MVA ICT#1 at Satna	24-Aug-15	9:00	24-Aug-15	12:00	Daily	For taking out Spare Unit of ICT & attending Plain gauge problem of ICT#1 at Satna.	PGCIL	WR-II	C
148	765	SATNA-2 MAIN BAY at Bina	24-Aug-15	9:00	24-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
149	400	Rajgarh-SSP#2	24-Aug-15	10:00	24-Aug-15	15:00	Daily	For Terminal Equipment annual maintenace work at Rajgarh.	PGCIL	WR-II	R
150	765	765kV Bus # 2 at Jabalpur Pooling Station	24-Aug-15	9:00	24-Aug-15	18:00	Daily	Bus Stability for Commissioning of 765kV Dharmjagarh # 1 Trnansmission Line.	PGCIL	WR-II	C
151	765	Seoni#1 Line Reactor at Bilaspur S/s	24-Aug-15	8:00	24-Aug-15	18:00	Daily	For HV bushing/Turret gasket replacement in Y-Ph	WRTS-I	WRTS-I-CG	R
152	400	Jindal # 2 (413) Main Bay at Tamnar PS	24-Aug-15	8:00	24-Aug-15	20:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
153	765	765 KV Line Reactor of Kotra - Durg Ckt # 2 at Kotra PS	24-Aug-15	10:00	24-Aug-15	18:00	Daily	Bushing Oil Sampling / Tan Delta of Bushing at variable frequency	WRTS-I	WRTS-I-CG	R
154	400	400 kV Korba-Bhatapara	24-Aug-15	8:00	25-Aug-15	18:00	Continuous	Non A/R mode for installation of additional earthing	WRTS-I	WRTS-I-CG	
155	765	Main Bay 816 Champa # 1 at Durg PS	24-Aug-15	10:00	24-Aug-15	12:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
156	765	Champa # 1 Tie Bay 817 at Durg PS	24-Aug-15	12:00	24-Aug-15	14:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
157	765	Main Bay 818 of Wardha # 2 at Durg PS	24-Aug-15	14:00	24-Aug-15	16:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
158	765	Tie Bay 819 of Champa # 2 at Durg PS	24-Aug-15	16:00	24-Aug-15	18:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
159	400	400 KV PADGHE - NAGOTHANE 2	24-Aug-15	9:00	24-Aug-15	18:00	Daily	Faulty disc replacement , Fixing of spacers ,damper and other line maintence work	MSETCL	MSETCL	
160	765 kV	765 kV V'chal Pooling-Satna line # 2	24-Aug-15	9:00	25-Aug-15	18:00	Continuous	For Shifting of Wave Trap at V'chal End and PLCC testing works.	PGCIL	WR-II	C
161	220	220kV D/C Line (Osmanabad - Barshi)	25-Aug-15	8:00	25-Aug-15	18:00	Daily	For crossing of 765 KV Solapur Aurangabad line	MSETCL	WRTS-I	C
162	400	Raipur-2 Tie Bay (417) at Bhadravati	25-Aug-15	9:00	25-Aug-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R

163	400	ICT-3 Main Bay(418) at Pune (Talegaon)	25-Aug-15	10:00	25-Aug-15	17:00	Daily	AMP	WRTS-I	WRTS-I	R
164	400	Mauda # 2 Main (430) Bay at Wardha	25-Aug-15	9:00	25-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
165	765	765kV Wardha - Aurangabd # 3 line	25-Aug-15	9:00	25-Aug-15	18:00	Daily	For CT oil sampling	WRTS-I	WRTS-I	R
166	765	Vchal-Satna-1 Tie Bay (714) at Satna	25-Aug-15	9:00	25-Aug-15	18:00	Daily	For Bay Isolator & Earth Switch Aligment work at Satna	PGCIL	WR-II	C
167	765	SATNA-2 & ICT-2 TIE BAY at Bina	25-Aug-15	9:00	25-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
168	400	405 Bay (400KV B/R-1 and 400/220KV ICT-1 Tie Bay) at Gwalior	25-Aug-15	10:00	25-Aug-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
169	400	Rajgarh-Nagda#2	25-Aug-15	10:00	25-Aug-15	15:00	Daily	For Terminal Equipment annual maintenace work at Rajgarh.	PGCIL	WR-II	R
170	220	Kawas- Haldarwa Ckt I	25-Aug-15	11:00	25-Aug-15	13:00	Daily	Oil Sampling from CT for DGA Test at Haldarwa SS	PGCIL	WR-II	R
171	220	Kawas- Haldarwa Ckt II	25-Aug-15	14:00	25-Aug-15	16:00	Daily	Oil Sampling from CT for DGA Test at Haldarwa SS	PGCIL	WR-II	R
172	765	765kV ICT # 2 at Jabalpur Pooling Station	25-Aug-15	9:00	25-Aug-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 2 for Swapping with ICT # 2 Y Phase.	PGCIL	WR-II	C
173	400	315 MVA ICT-I at Kala	25-Aug-15	10:00	25-Aug-15	15:00	Daily	AMP of ICT-I and associated bays	PGCIL	WR-II	R
174	765	765/400KV ICT#1 at Bilaspur S/s	25-Aug-15	9:00	25-Aug-15	11:00	Daily	For Tand Delta measurement of bushing at variable frequency as per CC guidelines.	WRTS-I	WRTS-I-CG	R
175	400	Jindal # 2 & AT#3 (414) Tie Bay at Tamnar PS	25-Aug-15	8:00	25-Aug-15	20:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
176	400	400 KV BAY 425 (Bus Sectionaliser) at Kotra PS	25-Aug-15	8:00	25-Aug-15	20:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
177	400	Main Bay 402 of ICT#1 at Durg PS	25-Aug-15	12:00	25-Aug-15	14:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
178	400	Tie Bay 403 of ICT#1 at Durg PS	25-Aug-15	14:00	25-Aug-15	16:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
179	400	Tie Bay 414 of Raipur # 2 at Durg PS	25-Aug-15	16:00	25-Aug-15	18:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
180	400	Main Bay ICT (400/220/33 kV,315 MVA) Bay no 402 at AKOLA Ss	25-Aug-15	9:00	25-Aug-15	18:00	Daily	Routine testing and Maintenance work	MSETCL	MSETCL	
181	400	CGPL Jetpur-2 Line Reactor	25-Aug-15	6:00 AM	25-Aug-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
182	400	400 kv RAJGARH (PGCIL)- NAGDACKT I	25-Aug-15	6:00	25-Aug-15	18:00	daily	MAINTENANCE WORK	PGCIL/MPPTCL	WR - II	R
183	220	220 KV DAMOH PG - TIKAMGARH CKT	25-Aug-15	9:00	25-Aug-15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
184	220	220 KV MALANPUR - GWL(PG) CKT - I	25-Aug-15	9:00	25-Aug-15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
185	400/220	400kV Wardha(PG) -Warora-1	25-Aug-15	8:00	25-Aug-15	17:00	Daily	To carry out Signature test & Tree cutting work	MSETCL	MSETCL	
186	400	400 kV Bus Reactor # 2 at Dehgam	25-Aug-15	9:00	25-Aug-15	18:00	Daily	For CSD Commissioning at Dehgam	PGCIL	WR-II	C
187	765	765kV Bina#3 Main Bay at Gwalior	25-Aug-15	9:00	25-Aug-15	18:00	Daily	For replacement of Support latch assembly of CB	PGCIL	WR-II	R
188	400	400 kV Bus Reactor # 2 at Dehgam	25-Aug-15	9:00	25-Aug-15	18:00	Daily	For CSD Commissioning at Dehgam	PGCIL	WR-II	C
189	400	Korba Korba West Line	26-Aug-15	08:30 hrs	28-Aug-15	17:30 Hrs.	Continuous	For annual maintenance of bay equipments, Breaker Replacement.	NTPC		
190	400	S/C Parli (MSETCL)-Solapur(MSETCL)	26-Aug-15	6:00	26-Aug-15	18:00	Daily	for crossing of 765KV D/C Solapur Aurangabad Line	MSETCL	WRTS-I / M	C
191	400	400 KV Mauda # 2 Tie (431) Bay at Wardha	26-Aug-15	9:00	26-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
192	400	400KV Bus-2 at Solapur	26-Aug-15	9:00	27-Aug-15	18:00	Daily	For Isolator Erection of 406 Bay	WRTS-I	WRTS-I	C
193	765	Wardha - Aurangabad - I	26-Aug-15	9:00	26-Aug-15	18:00	Daily	Commissioning of Spare Reactor at Aurangabad & Bay AMP works	WRTS-I	WRTS-I	C
194	400	BUS # 2 at Pune (Talegaon)	26-Aug-15	9:00	26-Aug-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
195	400	Parli-1 Main bay (419) at Bhadrawati	26-Aug-15	9:00	26-Aug-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
196	400	400 KV Bhadrawati - Chandrapur # 01.	26-Aug-15	8:00	26-Aug-15	18:00	Daily	Replacement of Porcelain insulators (Outage is required on CKT # 01 and 400 Kv Bhadrawati - Chandrapur # 2 auto reclose in Non auto mode is required.)	WRTS-I	WRTS-I	C
197	400	Vadodara - Pirana # 1	26-Aug-15	7:00	31-Aug-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
198	765	Satna-Gwalior-2 Main Bay (715) at Satna	26-Aug-15	9:00	26-Aug-15	18:00	Daily	For Bay Isolator & Earth Switch Aligment work at Satna	PGCIL	WR-II	C
199	765	ICT-2 MAIN BAY at Bina	26-Aug-15	9:00	26-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
200	400	406 Bay (400/220KV ICT-1 Main Bay) at Gwalior	26-Aug-15	10:00	26-Aug-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R

201	220	Kakrapar- Haldarwa Ckt I	26-Aug-15	11:00	26-Aug-15	13:00	Daily	Oil Sampling from CT for DGA Test at Haldarwa SS	PGCIL	WR-II	R
202	220	Kakrapar- Haldarwa Ckt II	26-Aug-15	14:00	26-Aug-15	16:00	Daily	Oil Sampling from CT for DGA Test at Haldarwa SS	PGCIL	WR-II	R
203	765	BAY 705(TIE BAY OF ICT-II & BINA INDORE CKT) at Indore PS	26-Aug-15	9:00	27-Aug-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
204	400	MTPH - Pithampur (MPPTCL)	26-Aug-15	8:00	27-Aug-15	18:00	Cont.	Stringing work for 400 kV Indore -Khandwa line (Section 45-46)	MPPTCL	WR-II	C
205	765	765kV Bus # 1 at Jabalpur Pooling Station	26-Aug-15	9:00	26-Aug-15	18:00	Daily	765kV Bus Isolators Earth Switch Erection / Alignment problem	PGCIL	WR-II	C
206	400	315MVA ICT-II at Kala	26-Aug-15	10:00	26-Aug-15	15:00	Daily	AMP of ICT-II and associated bays	PGCIL	WR-II	R
207	400	Indore - Asoj Ckt.1	26-Aug-15	8:00	31-Aug-15	18:00	Daily	Replacement of defective porcelain disc insulator strings with longrod polymer insulators in entire line to avoid undesirable tripping due to pollution	PGCIL	WR-II	C
208	400	Jindal # 1 & Future (417) Tie Bay at Tamnar PS	26-Aug-15	8:00	26-Aug-15	20:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
209	400	400 KV BAY 426 (Bus Sectionaliser) at Kotra PS	26-Aug-15	8:00	26-Aug-15	20:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
210	400	Main Bay 415 of Raipur # 2 at Durg PS	26-Aug-15	10:00	26-Aug-15	12:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
211	400	Tie Bay 417 of Raipur # 1 at Durg PS	26-Aug-15	12:00	26-Aug-15	14:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
212	400	Main Bay 418 of Raipur # 1 at Durg PS	26-Aug-15	14:00	26-Aug-15	16:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
213	400	Main Bay 419 of GMR # 1 at Durg PS	26-Aug-15	16:00	26-Aug-15	18:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
214	400	400 KV KARAD JAIGAD CKT 1	26-Aug-15	09:00	26-Aug-15	17:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
215	400	400 KV PADGHE - NAGOTHANE 1	26-Aug-15	9.00	26-Aug-15	18:00	Daily	Faulty disc replacement ,fixing of spacers ,damper and other line maintenance work	MSETCL	MSETCL	
216	400	Sipat-Ranchi-2 line	26-Aug-15	7:30	27-Aug-15	19:00	Continuous	Annual Preventive maintenance	NTPC	NTPC	
217	220	Kawas-Halharwa#1	26-Aug-15	9:00	26-Aug-15	18:00	Continuous	Required for attending Hot Spot	NTPC	NTPC	
218	400	CGPL Jetpur-2 Line Reactor	26-Aug-15	6:00 AM	26-Aug-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
219	400	400 kv RAJGARH (PGCIL)- NAGDACT II	26/Aug/15	6:00	26/Aug/15	18:00	daily	MAINTENANCE WORK	PGCIL/MPPTCL	WR - II	R
220	220	220 KV MALANPUR - GWL(PG) CKT - II	26/Aug/15	9:00	26/Aug/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
221	400	315 MVA,400/220 KV KV ICT-III AT 400KV BHUSAWAL	26-Aug-15	9:00	28-Aug-15	17:00	continuours	R-Ph 33 KV Tertiary Bushing Replacement work,RVT Repalcement & bay testing work etc.	MSETCL	MSETCL	
222	400	Station Transformer - 2 at NSPCL	26-Aug-15	9:00	30-Aug-15	17:00	Contiuuous	Annual Maintenance	NSPCL	NSPCL	R
223	400	400 KV Bhadravati - Chandrapur # 02.	27-Aug-15	8:00	27-Aug-15	18:00	Daily	Replacement of Porcelain insulators (Outage is required on CKT # 2 and 400 Kv Bhadravati - Chandrapur # 1 auto reclose in Non auto mode is required.)	WRTS-I	WRTS-I	C
224	400	Parli-1 Tie bay (420) at Bhadravati	27-Aug-15	9:00	27-Aug-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
225	400	Bus Reactor Main Bay(415) at Pune (Talegaon)	27-Aug-15	10:00	27-Aug-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
226	765	Padghe-2 L/R with Main & Tie bays at Aurangabad	27-Aug-15	9:00	28-Aug-15	18:00	Daily	for connecting strung bus jumpers to Line Isolator & Bay AMP works	WRTS-I	WRTS-I	C
227	765	Seoni # 1 Main (704) Bay at Wardha	27-Aug-15	9:00	27-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
228	765	Solapur Pune S/C Line	27-Aug-15	8:00	19-Sep-15	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTS-I	WRTS-I	C
229	400	400 Kv Parli Pune - I Line	27-Aug-15	10:00	27-Aug-15	18:00	Daily	For commissioning of CSD	WRTS-1	WRTS-I	C
230	400	50 MVAR Bus reactor -II at Seoni	27-Aug-15	8:00	27-Aug-15	18:00	Daily	AMP works	WRTS-I	WRTS-I	R
231	765	1000 MVA ICT#2 at Satna	27-Aug-15	15:00	27-Aug-15	17:00	Daily	For CSD Commissioning at Satna & attending Plain gauge problem of ICT#2 at Satna	PGCIL	WR-II	C
232	765	Satna-Gwalior-2 Reactor Bay (715R) at Satna	27-Aug-15	9:00	28-Aug-15	18:00	Daily	For Bay Isolator & Earth Switch Ailgnment work at Satna	PGCIL	WR-II	C
233	765	SATNA-1 MAIN BAY at Bina	27-Aug-15	9:00	27-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
234	400	Main Bay (415) of Bus Reactor at Rajgarh	27-Aug-15	10:00	27-Aug-15	14:00	Daily	For Tan delta Measurement of CB Grading capacitors	PGCIL	WR-II	R
235	220	Jhanor- Haldarwa Ckt I	27-Aug-15	11:00	27-Aug-15	13:00	Daily	Oil Sampling from CT for DGA Test at Haldarwa SS	PGCIL	WR-II	R

236	220	Jhanor - Haldarwa Ckt II	27-Aug-15	14:00	27-Aug-15	16:00	Daily	Oil Sampling from CT for DGA Test at Haldarwa SS	PGCIL	WR-II	R
237	765	765kV Bus # 2 at Jabalpur Pooling Station	27-Aug-15	9:00	27-Aug-15	18:00	Daily	Bus Stability for Commissioning of 765kV Dharmjaygarh # 1 Transmission Line.	PGCIL	WR-II	C
238	400	400 BUS I at Boisar	27-Aug-15	9:00	27-Aug-15	17:00	Daily	For Jumpering of Navsari Bays Construction work	PGCIL	WR-II	C
239	400	400kV MCCPL Line Bay-416L at Bilaspur S/s.	27-Aug-15	8:00	27-Aug-15	17:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
240	400	400 KV BUS-I at Tamnar PS	27-Aug-15	8:00	27-Aug-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
241	765	765 kV Autotransformer # 1 at Kotra PS	27-Aug-15	10:00	27-Aug-15	14:00	Daily	Tan Delta of Bushing at variable frequency	WRTS-I	WRTS-I-CG	R
242	400	Tie Bay 420 of GMR # 1 at Durg PS	27-Aug-15	10:00	27-Aug-15	12:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
243	400	Main Bay 422 of GMR # 2 at Durg PS	27-Aug-15	12:00	27-Aug-15	14:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
244	400	Tie Bay 423 of GMR # 2 at Durg PS	27-Aug-15	14:00	27-Aug-15	16:00	Daily	For NTAMC Validation work	WRTS-I	WRTS-I-CG	C
245	400	400 kv Aurangabad Main bus II	27-Aug-15	9:00	27-Aug-15	17:00	Daily	Half Yearly Maintenance	MSETCL	MSETCL	
246	400	Akola -Wardha-I Line Bay No. 408 & 409 at Akola SS	27-Aug-15	9:00	27-Aug-15	18:00	Daily	Routine testing and Maintenance work.Isolator servicing by M/S BIMCO Isolators ltd.	MSETCL	MSETCL	
247	220	Kawas-Haldhrwa#2	27-Aug-15	9:00	27-Aug-15	18:00	Continuous	Required for attending Hot Spot	NTPC	NTPC	
248	400	DGEN BUS A	27-Aug-15	9:00	27-Aug-15	18:00	Continuous	Attending of Corona Disc of Isolators	TEL	TEL	R
249	400	DGEN – TRANSFER BUS	27-Aug-15	9:00	27-Aug-15	18:00	Continuous	Attending of Corona Disc of Isolators	TEL	TEL	R
250	500	HVDC CHANDRAPUR POLE I AND II	27-Aug-15	8:00	28-Aug-15	20:00	Daily	ANNUAL MAINTENANCE WORK, Over head stringing work of 765kV Solapur-Aurangabad line	MSETCL	MSETCL/ WRTS-1	
251	400	400 KV Deepnagar-Khadka-II	27-Aug-15	9:00	27-Aug-15	17:00	Daily	Tightening of nut bolts of Suspension Locations of Tension plate, Arcing Horn, corona ring, H/W, & 'D' cycles etc of newly erected line.LOC No.4,6,14,16,17	MSETCL	MSETCL	
252	765	Bilaspur-Seoni Ckt-II	28-Aug-15	8:00	28-Aug-15	18:00	Daily	Fixing of open Quad- Spacer Damper S/D Required	WRTS-I	WRTS-I-CG	R
253	765	Bus reactor (Tie bay 714) at Seoni	28-Aug-15	8:00	29-Aug-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
254	400	765/400 KV ICT # 2 (407) Main Bay at Wardha	28-Aug-15	9:00	28-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
255	220	Talangde - Hamidwad & Mudshingi - Mumewadi (D/C) line	28-Aug-15	8:00	28-Aug-15	18:00	Daily	Stringing of LOOP OUT of 400 KV Kolhapur-Mapusa D/C line	MSETCL	WRTS-I	C
256	400	400 KV Bhadravati - Chandrapur # 03	28-Aug-15	8:00	28-Aug-15	18:00	Daily	Replacement of Porcelain insulators (Outage is required on CKT # 3 and 400 Kv Bhadravati - Chandrapur # 4 auto reclose in Non auto mode is required.)	WRTS-I	WRTS-I	C
257	400	Chandrapur-3 (421 Bay) main bay at Bhadravati	28-Aug-15	9:00	28-Aug-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
258	400	400KV Bus-1 at Solapur	28-Aug-15	9:00	29-Aug-15	18:00	Daily	For Isolator erection of 404 Bay	WRTS-I	WRTS-I	C
259	765	INDORE MAIN BAY at Bina	28-Aug-15	9:00	28-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
260	220	Bus-02 at Rajgarh substation with transfer of Rajgarh-Pithampur#01 Line on Transfer Bus	28-Aug-15	10:00	26-Aug-15	17:00	Daily	To Replace Moving Arm of 20689B Isolator B-Phase	PGCIL	WR-II	R
261	400	Itarsi - Indore Ckt.2	28-Aug-15	8:00	2-Sep-15	18:00	Conti.	Shifting of tower at location no. 509 to new location due to buckling.	PGCIL	WR-II	C
262	400	400kV Bus Reactor # 1 (Main & Tie Bay) at Jabalpur Pooling Station	28-Aug-15	9:00	28-Aug-15	18:00	Daily	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
263	400	Magarwada - Navsari Ckt#1	28-Aug-15	9:00	28-Aug-15	15:00	Daily	Annual Maintenance of Associated bay equipment at both ends	PGCIL	WR-II	R
264	400	400 KV BUS-I at Tamnar PS	28-Aug-15	8:00	28-Aug-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
265	765	Bilaspur-Seoni Ckt-I	28-Aug-15	8:00	05-Sep-15	18:00	Continuous	Non A/R mode for installation of additional earthing	WRTS-I	WRTS-I-CG	
266	400	Akola -Wardha-II Line Bay NO 411 & 412 at AKOLA SS	28-Aug-15	9:00	28-Aug-15	18:00	Daily	Routine testing and Maintenance work.Isolator servicing by M/S BIMCO Isolators ltd.	MSETCL	MSETCL	
267	400	Korba Bhatapara line	28-Aug-15	08:30 hrs	28-Aug-15	17:30 Hrs.	Continuous	Hot spot attending in Bus-4 gantry	NTPC		
268	400	Korba Bus-4 shutdown	28-Aug-15	08:30 hrs	28-Aug-15	17:30 Hrs.	Continuous	Hot spot attending in Bus-4 gantry	NTPC		
269	400	400 KV BINA - BPSCL CKT Ckt	28-Aug-15	9:00	28-Aug-15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R

270	400	400 KV Deepnagar-Khadka-II	28-Aug-15	9:00	28-Aug-15	17:00	Daily	Tightening of nut bolts of Suspension Locations of Tension plate, Arcing Horn, corona ring, H/W, & 'D' cycles etc of newly erected line.LOC No.18,19,20,21,23	MSETCL	MSETCL	
271	400	Gandhar - Navsari Ckt.1&2	28-Aug-15	8:00	28-Aug-15	18:00	Daily	To lower the Earthwire of 220kV Gavasad - Mangrol line below the existing Gandhar - Navsari line between loc.no. 92-93, to maintain electrical clearance at the crossing point .	PGCIL	WR-II	C
272	220	Gavasad - Mangrol Ckt. 1&2	28-Aug-15	8:00	28-Aug-15	18:00	Daily	To lower the Earthwire of 220kV Gavasad - Mangrol line below the existing Gandhar - Navsari line between loc.no. 92-93, to maintain electrical clearance at the crossing point .	GETCO	WR-II	C
273	400	400 Kv Parli Wardha-I Line	29-Aug-15	10:00	29-Aug-15	18:00	Daily	For commissioning of CSD	WRTS-1	WRTS-I	C
274	400	400 Kv Parli Pune - II Line	29-Aug-15	10:00	29-Aug-15	18:00	Daily	For commissioning of CSD	WRTS-1	WRTS-I	C
275	765	Durg # 1 Main Bay (715) at Wardha	29-Aug-15	9:00	29-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
276	400	Pune GIS Line # 2 (407) Main Bay of at Pune (Talegaon)	29-Aug-15	10:00	29-Aug-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
277	400	Kolhapur-Mapusa # 1 & 2	29-Aug-15	8:00	31-Aug-15	17:00	Conti.	Commissioning of LOOP IN and LOOP OUT arrangement of	WRTS-I	WRTS-I	C
278	400	Dhule-Khandwa-2	29-Aug-15	9:00	29-Aug-15	18:00	Daily	for commissioning of L/Reactor at MSETCL Dhule SS	POWERGR	WRTS-I	C
279	765	Vchal-Satna-2 Main Bay (716) at Satna	29-Aug-15	9:00	29-Aug-15	18:00	Daily	For Bay Isolator & Earth Switch Alignment work at Satna	PGCIL	WR-II	C
280	765	BUSREACTOR-1 MAIN BAY at Bina	29-Aug-15	9:00	29-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
281	400	400kV Bus Reactor # 2 (Main & Tie Bay) at Jabalpur Pooling Station	29-Aug-15	9:00	29-Aug-15	18:00	Daily	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
282	400	400 BUS 2 at Boisar	29-Aug-15	9:00	29-Aug-15	17:00	Daily	For Jumpering of Navsari Bays Construction work	PGCIL	WR-II	C
283	400	400 KV BUS-II at Tamnar PS	29-Aug-15	8:00	29-Aug-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
284	765	765 kV Autotransformer # 2 at Kotra PS	29-Aug-15	10:00	29-Aug-15	14:00	Daily	Tan Delta of Bushing at variable frequency	WRTS-I	WRTS-I-CG	R
285	400	Akola -Nandgaon Ckt Bay No. 412 & 413 at AKOLA SS	29-Aug-15	9:00	29-Aug-15	17:00	Daily	Routine testing and Maintenance work.Isolator servicing by M/S BIMCO Isolators ltd.	MSETCL	MSETCL	
286	400	400 KV PADGHE - NAGOTHANE 2	29-Aug-15	9:00	29-Aug-15	18:00	Daily	Faulty disc replacement ,fixing of spacers ,damper .and other line maintenance work	MSETCL	MSETCL	
287	400	400KV TBC AT 400KV DHULE	29-Aug-15	9:00	29-Aug-15	17:00	Daily	Quarterly Maintenance , ROUTINE TESTING WORK	MSETCL	MSETCL	
288	400	Kolhapur-Mapusa # 1 & 2	30-Aug-15	8:00	30-Aug-15	16:00	Daily	Stringing of 765 KV Kudgi-Kolhapur D/C line over 400 KV Kolhapur - Mapusa D/C line	WRTS-I	WRTS-I	C
289	400	400 KV Bhadrawati - Parli # 1	30-Aug-15	8:00	31-Aug-15	18:00	Daily	Replacement of Porcelain insulators (Outage is required on CKT # 01. and 400 Kv Bhadrawati - Dhariwal -Parli 2 auto reclose in Non auto mode is required.)	WRTS-I	WRTS-I	C
290	400	400KV Talegaon Chakan Line	30-Aug-15	10:00	30-Aug-15	18:00	Daily	Placing of Conductor on LA's & NTMC operation check Work,	MSTCL	WRTS-I	C
291	765	Wardha-I Tie bay (720) at Seoni	31-Aug-15	8:00	1-Sep-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
292	400	400 KV Bhadrawati - Chandrapur # 04.	31-Aug-15	8:00	31-Aug-15	18:00	Daily	Replacement of Porcelain insulators (Outage is required on CKT # 4 and 400 Kv Bhadrawati - Chandrapur # 3 auto reclose in Non auto mode is required.)	MSTCL	WRTS-I	C
293	400	Akola-Aurangabad # 2	31-Aug-15	9:00	31-Aug-15	18:00	Daily	Commissioning of L/Reactor at Aurangabad and Bays AMP works	WRTS-I	WRTS-I	C
294	400	400 KV Talegaon Aurangabad Line # 1	31-Aug-15	10:00	31-Aug-15	18:00	Daily	Placing of Conductor on LA's & NTMC operation check Work,	WRTML	WRTS-I	C
295	765	Durg # 2 Main Bay (718) at Wardha	31-Aug-15	9:00	31-Aug-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
296	400	V-J # III Main bay (406) at Jabalpur	31-Aug-15	10:00	31-Aug-15	17:00	Daily	Checking of Isolator Remote Operation.	PGCIL	WR-II	R
297	765	Vchal-Satna-2 Tie Bay (717) at Satna	31-Aug-15	9:00	31-Aug-15	18:00	Daily	For Bay Isolator & Earth Switch Alignment work at Satna	PGCIL	WR-II	C

298	765	BUSREACTOR-1 & GWALIOR-1 TIE BAY at Bina	31-Aug-15	9:00	31-Aug-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
299	765	765kV ICT # 1 at Jabalpur Pooling Station	31-Aug-15	9:00	31-Aug-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 1 for Swapping with ICT # 1 B Phase.	PGCIL	WR-II	C
300	400	Navsari-Magarwada CKT-1	31-Aug-15	9:00	12-Sep-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
301	400	Magarwada - Navsari Ckt#2	31-Aug-15	8:00	31-Aug-15	15:00	Daily	Annual Maintenance of Associated bay equipment at both ends	PGCIL	WR-II	R
302	400	400 KV BUS-II at Tamnar PS	31-Aug-15	8:00	31-Aug-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
303	765	765 kV Autotransformer # 3 at Kotra PS	31-Aug-15	10:00	31-Aug-15	14:00	Daily	Tan Delta of Bushing at variable frequency	WRTS-I	WRTS-I-CG	R
304	400	400 kv GIRWALI CHANDRAPUR III	1-Sep-15	09:00	3-Sep-15	17:00	Daily	Routine testing and Maintenance work	MSETCL	MSETCL	
305	400/220	400 /220 KV ICT # 1 at Wardha	1-Sep-15	9:00	1-Sep-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
306	765	Bus Reactor # 2 Tie Bay (711) 330 Mvar at Wardha	1-Sep-15	8:00	1-Sep-15	20:00	Daily	AMP	WRTS-I	WRTS-I	R
307	400	Raipur Bhadrawati # 1	1-Sep-15	10:00	1-Sep-15	14:00	Daily	AMP	WRTS-I	WRTS-I	R
308	400	Akola-Aurangabad # 1	1-Sep-15	9:00	1-Sep-15	18:00	Daily	Commissioning of L/Reactor at Aurangabad and Bays AMP works	WRTS-I	WRTS-I	C
309	220	220KV Mapusa Bus -I	1-Sep-15	9:00	5-Sep-15	17:30	Daily	AMP Works	WRTS-I	WRTS-I	R
310	400/220	ICT # 3 at Mapusa	1-Sep-15	9:00	1-Sep-15	13:00	Daily	AMP Works	WRTS-I	WRTS-I	R
311	400	Dhariwal & EMCO-1 Tie bay (423) at Bhadrawati	1-Sep-15	9:00	1-Sep-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
312	400	Jabalpur -Itarsi Line # 3	1-Sep-15	10:00	1-Sep-15	14:00	Daily	For Terminal Equipment annual maintenace work at Jabalpur.	PGCIL	WR-II	R
313	400	Gandhar - Dehgam # 1	1-Sep-15	7:00	10-Sep-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
314	765	Bus#2 at Satna	1-Sep-15	9:00	1-Sep-15	18:00	Daily	For 765KV Bus Reactor#2 Main Bay (718Bay) Isolator & Earth Switch Alignment work at Satna.	PGCIL	WR-II	C
315	765	1000 MVA ICT-1 at Bina	1-Sep-15	9:00	1-Sep-15	18:00	Daily	FOR SAPRE ICT SWITCHINTG	PGCIL	WR-II	R
316	765	765KV Guwalior-Bina#1 L/R (Switchable) at Gwalior	1-Sep-15	10:00	1-Sep-15	18:00	Daily	For Bushing Oil Collection. Line will be in service without LR at Gwalior	PGCIL	WR-II	R
317	400	Rajgarh-Khandwa#1	1-Sep-15	10:00	1-Sep-15	15:00	Daily	For Terminal Equipment annual maintenace work at Rajgarh.	PGCIL	WR-II	R
318	400	Dehgam-Soja main Bay -413 at dehgam s/s	1-Sep-15	10:00	1-Sep-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
319	400	Bina-Shujalpur Ckt-I	1-Sep-15	10:00	1-Sep-15	14:00	Daily	For Commissioning of CSD Relay at Shujalpur.The Line will not in service as the Reactor is not Switchable Reactor.	PGCIL	WR-II	C
320	765	Durg-Kotra Ckt-2	01-Sep-15	8:00	04-Sep-15	18:00	Continuous	Modification of Jumpers with IPS tubes.	WRTS-I	WRTS-I-CG	C
321	400	Tie Bay of ICT & 400 kv Aurangabad -I Bay no. 403 at Akola SS	1-Sep-15	09:00	1-Sep-15	17:00	Daily	Routine testing and Maintenance work	MSETCL	MSETCL	
322	400	Korba Tie Transformer-2	01/Sep/15	08:30 hrs	03/Sep/15	17:30 Hrs.	Continuous	For annual maintenance of bay equipments	NTPC		
323	400	Vindhyachal-jabalpur-4	01/Sep/15	9:00	01/Sep/15	18:00	Continuous	Annual Maintenance	NTPC	NTPC	
324	400	Vindhyachal BUS#2	01/Sep/15	9:00	02/Sep/15	18:00	Continuous	BUS CVT REPLACEMENT	NTPC	NTPC	
325	400	CGPL Jetpur-1 Line Reactor	1-Sep-15	6:00 AM	1-Sep-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
326	400	400KV S/S INDORE -315 MVA X-MER - IV	1/Sep/15	8:00	2/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
327	765	ICT # 1 main bay at Jabalpur Pooling Station	1-Sep-15	10:00	1-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C
328	400	Jabalpur -Itarsi Line # 3	1-Sep-15	10:00	1-Sep-15	14:00	Daily	For Terminal Equipment annual maintenace work at Jabalpur.	PGCIL	WR-II	R
329	765/400	765/400 KV AT-1 at Seoni	2-Sep-15	8:00	5-Sep-15	18:00	Cont.	Replacement of 390 KV LA with 336 KV LA	WRTS-I	WRTS-I	C
330	400	Wardha-I & Pune-I Tie Bay (402) at Parli	2-Sep-15	10:00	2-Sep-15	18:00	Daily	For AMP of Bay	WRTS-1	WRTS-I	R
331	400	400 KV Raipur -Bhadrawati # 02	2-Sep-15	8:00	2-Sep-15	18:00	Daily	Replacement of Porcelain insulators (Outage is required on CKT # 02. and 400 Kv Raipur Bhadrawati # 3 auto reclose in Non auto mode is required. 400 kv Bhilai +Raipur-Bhadrawati is crossing underneath this line . Hence auto reclose in non auto mode is required on 400 kv Bhilai +Raipur-Bhadrawati.	WRTS-I	WRTS-I	C
332	400	Dhariwal Main bay (424) at Bhadrawati	2-Sep-15	9:00	2-Sep-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
333	400	400KV Mapusa Bus -I	2-Sep-15	9:00	12-Sep-15	17:30	Daily	AMP Works	WRTS-I	WRTS-I	R
334	765	Bus Reactor # 2 (330 Mvar) Main bay(712) at Wardha	2-Sep-15	8:00	2-Sep-15	20:00	Daily	AMP	WRTS-I	WRTS-I	R

335	220	Pune (Talegaon) -Talegaon(Ambi)SEB Line # 6	2-Sep-15	9:00	2-Sep-15	15:00	daily	AMP	MSETCL	WR-1	R
336	400/220	ICT-1 at Aurangabad	2-Sep-15	9:00	2-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
337	400	Aurangabad # 1 (409) Main Bay at Pune(Talegaon)	2-Sep-15	10:00	2-Sep-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
338	400/220	400 /220 KV ICT # 2 at Wardha	2-Sep-15	9:00	2-Sep-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
339	400	Jabalpur-Itarsi Line # 4	2-Sep-15	10:00	2-Sep-15	14:00	Daily	For Terminal Equipment annual maintenance work at Jabalpur.	PGCIL	WR-II	R
340	765	GWALIOR-1 MAIN BAY at Bina	2-Sep-15	9:00	2-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
341	765	Gwalior-Satna#2 Line	2-Sep-15	8:00	4-Sep-15	18:00	Daily	For attending punch point (Tower Member fixing) at Gwalior	PGCIL	WR-II	R
342	400	407 Bay (400/220KV ICT-2 Main Bay) at Gwalior	2-Sep-15	10:00	2-Sep-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
343	400	Rajgarh-Khandwa#2	2-Sep-15	10:00	2-Sep-15	15:00	Daily	For Terminal Equipment annual maintenance work at Rajgarh.	PGCIL	WR-II	R
344	400	Dehgam-Soja Tie Bay -414 at dehgam s/s	2-Sep-15	10:00	2-Sep-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
345	400	Bina-Shujalpur Ckt-II	2-Sep-15	10:00	2-Sep-15	14:00	Daily	For Commissioning of CSD Relay at Shujalpur.The Line will not in service as the Reactor is not Switchable Reactor.	PGCIL	WR-II	C
346	765	765kV ICT # 2 (Main & Tie Bay) at Jabalpur Pooling Station	2-Sep-15	9:00	3-Sep-15	18:00	Cont.	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
347	765	ICT #01 at Korba P/S	02-Sep-15	8:00	03-Sep-15	18:00	Continuou s	For AMP work	WRTS-I	WRTS-I-CG	R
348	400	400 kV Raipur-Durg Ckt-1	02-Sep-15	8:00	02-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
349	765	765 kV Autotransformer # 4 at Kotra PS	02-Sep-15	10:00	02-Sep-15	14:00	Daily	Tan Delta of Bushing at variable frequency	WRTS-I	WRTS-I-CG	R
350	400	Thapitanda-Babhaleshwar ckt-1	2-Sep-15	11:00	2-Sep-15	18:00	Daily	Quaretrly maintenance work	MSETCL	MSETCL	
351	220	220kV Mudshingi Chikodi	2-Sep-15	09:00	2-Sep-15	18:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
352	765	Sipat-Raipur-3 line	2-Sep-15	7:30	3-Sep-15	19:00	Continuous	Annual Preventive maintenance	NTPC	NTPC	
353	400	CGPL Jetpur-1 Line Reactor	2-Sep-15	6:00 AM	2-Sep-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
354	400	400KV S/S BHOPAL -315MVA X-MER- I	2/Sep/15	9:00	3/Sep/15	17:00	daily	POST MAINTENANCE WORK &TESTING WORK	MPPTCL	MPPTCL	R
355	400	400 kv SEONI - SARNI - CKT	2/Sep/15	9:00	2/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
356	765	ICT # 1 Tie bay at Jabalpur Pooling Station	2-Sep-15	10:00	2-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C
357	765	ICT # 1 & 400 KV Bus 1 at Vadodara	2-Sep-15	9:00	2-Sep-15	18:00	Daily	CSD Relay Commissioning Works	PGCIL	WR-II	C
358	400	Jabalpur-Itarsi Line # 4	2-Sep-15	10:00	2-Sep-15	14:00	Daily	For Terminal Equipment annual maintenance work at Jabalpur.	PGCIL	WR-II	R
359	400	400 KV LAMBOTI-SOLAPUR (PGCIL)	2-Sep-15	10:00	2-Sep-15	18:00	Daily	Replacement of normal insulator string to antifrog insulator in D/C line, Crpss arm rusted replacement work	MSETCL	MSETCL	
360	400	400 Kv D/C Parli Solapur Line	3-Sep-15	8:00	3-Sep-15	18:00	Daily	For crossing of 765 KV Solapur Aurangabad line	WRTML	WRTS-I	C
361	220	Pune (Talegaon) -Talegaon(Ambi) SEB Line # 5	3-Sep-15	9:00	3-Sep-15	15:00	daily	AMP	MSETCL	WR-1	R
362	765/400	765 /400 KV ICT # 1 at Wardha	3-Sep-15	9:00	3-Sep-15	18:00	Daily	Bushing tan delta measurement	WRTS-I	WRTS-I	R
363	HVDC	HVDC POLE-1 West side filter 13 at Bhadravati	3-Sep-15	9:00	4-Sep-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
364	400	Raipur Bhadravati # 3 line	3-Sep-15	10:00	3-Sep-15	14:00	Daily	AMP	WRTS-I	WRTS-I	R
365	400	408 Bay Tie Bay of Pune GIS Line # 2 & Aurangabad Line # 1 at Pune (Talegaon)	3-Sep-15	10:00	3-Sep-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
366	400/220	ICT-2 at Aurangabad	3-Sep-15	9:00	3-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
367	765	NHPTL & GWALIOR-2 TIE BAY at Bina	3-Sep-15	9:00	3-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
368	400	63MVAR Bus Reactor-I at Shujalpur	3-Sep-15	10:00	3-Sep-15	14:00	Daily	For Commissioning of CSD Relay	PGCIL	WR-II	C
369	765	BAY 709,ICT#1 ,MAIN BAY at Indore PS	3-Sep-15	9:00	4-Sep-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
370	400	400 kV Raipur-Durg Ckt-2	03-Sep-15	8:00	03-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
371	220	220kV Talandge Chikodi	3-Sep-15	10:00	3-Sep-15	18:00	Daily	Half Yearly Maintenance	MSETCL	MSETCL	
372	400	Chakan Talegaon(PG)	3-Sep-15	10:00	3-Sep-15	18:00	Daily	Bay Maint. Work	MSETCL	MSETCL	
373	400	Tie Bay of 400 Yelwan Bay No.415 at 400 KV Akola Ss	3-Sep-15	09:00	3-Sep-15	17:00	Daily	Routine testing and Maintenance work	MSETCL	MSETCL	
374	400	CHANDRAPUR-PARALI 3	3-Sep-15	10:00	3-Sep-15	18:00	Daily	Bay Maint. Work	MSETCL	MSETCL	
375	400	400 kv DAMOH (PGCIL)- KATNI CKT	3/Sep/15	6:00	3/Sep/15	18:00	daily	MAINTENANCE WORK	PGCIL/MPPTCL	WR - II	R
376	400	400 KV INDORE- NAGDA CkT	3/Sep/15	6:00	3/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
377	220	220 KV BADOD - KOTA CKT	3/Sep/15	6:00	3/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
378	400	Itarsi - Indore Ckt.2	3-Sep-15	8:00	8-Sep-15	18:00	Conti.	Shifting of tower at location no. 509 to new location due to buckling.	PGCIL	WR-II	C
379	765	BR # 1 main bay at Jabalpur Pooling Station	3-Sep-15	10:00	3-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C

380	400	400 KV Vadodara - Asoj # 1 & Bus 1	3-Sep-15	9:00	3-Aug-15	18:00	Daily	Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara	PGCIL	WR-II	C
381	765/400	ICT-2 at Aurangabad	4-Sep-15	8:00	4-Sep-15	18:00	Daily	Commissioning of OLTC, pending works, FFS works	WRTS-I	WRTS-I	C
382	765/400	765 / 400 KV ICT # 2 at Wardha	4-Sep-15	9:00	4-Sep-15	18:00	0	Bushing tan delta measurement	WRTS-I	WRTS-I	R
383	400	413 Bay Main Bay of Lonikand Line at Pune(Talegaon)	4-Sep-15	10:00	4-Sep-15	18:00	Daily	AMP	WRTS-I	WRTS-I	R
384	400	Wardha-1 L/Reactor at Aurangabad	4-Sep-15	9:00	4-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
385	765	765 kV Sasan-Satna Line # 2	4-Sep-15	9:00	4-Sep-15	18:00	Daily	For Replacement of Communication card of Diff Relay & Taking Spare Reactor Unit in place of one Unit at Satna	PGCIL	WR-II	C
386	765	GWALIOR-2 MAIN BAY at Bina	4-Sep-15	9:00	4-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
387	400	408 Bay (400/200KV ICT-2 and 400KV B/R-2 Tie Bay) at Gwalior	4-Sep-15	10:00	4-Sep-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
388	400	Vadodara-Pirana -2 Main Bay -407 at Pirana s/s	4-Sep-15	10:00	4-Sep-15	18:00	Daily	For replacement of Grading capacitor of Y&B phase CB at Pirana.	PGCIL	WR-II	R
389	400	ISP - Indore Ckt.1 (MPPTCL)	4-Sep-15	8:00	5-Sep-15	18:00	Cont.	Stringing work for 400 kv Indore -Khandwa line (Section 85-86)	MPPTCL	WR-II	C
390	765	765kV Bus Reactor # 2 (Main & Tie Bay) at Jabalpur Pooling Station	4-Sep-15	9:00	5-Sep-15	18:00	Cont.	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
391	765	Seoni#1 Line Reactor at Bilaspur S/s	04-Sep-15	8:00	04-Sep-15	18:00	Daily	For HV bushing/Turret gasket replacement in B-Ph	WRTS-I	WRTS-I-CG	R
392	765	765 kV Bay 704 (Main bay of Tamnar # 2) at Kotra PS	04-Sep-15	10:00	05-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
393	400	Waluj Aurangabad(PG) II	4-Sep-15	10:00	4-Sep-15	18:00	Daily	Line and bay maintenance with tree cutting etc.	MSETCL	MSETCL	
394	400	DGEN – NAVASARI Line 2	4/Sep/15	9:00	4/Sep/15	18:00	Continuous	Attending of Corona Disc of Isolators	TEL	TEL	R
395	400	DGEN – TRANSFER BUS	4/Sep/15	9:00	4/Sep/15	18:00	Continuous	Attending of Corona Disc of Isolators	TEL	TEL	R
396	400	Bus sectionilizer bay at 400 kv JPL stage-1 switchyard.	4-Sep-15	9:00	4-Sep-15	18:00	Daily	AMC of bay equipment & protection testing of Bus sectionilizer-2 at 400 KV stage-1 switchyard	JPL	JPL	
397	400	400KV S/S BHOPAL -315MVA X-MER- I &BDTCL- I TIE	4/Sep/15	9:00	4/Sep/15	17:00	daily	POST MAINTENANCE WORK &TESTING WORK	MPPTCL	MPPTCL	R
398	220	220 KV BADOD - MODAK CKT	4/Sep/15	6:00	4/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
399	220	220 KV ANOOPUR - KOTMIKALA CKT - I	4/Sep/15	10:00	4/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
400	400	400 KV Khadka-BBLR Line Bay	4-Sep-15	9:00	4-Sep-15	17:00	Daily	Routine bay Maintenance & attending high tempature point /Testing work	MSETCL	MSETCL	
401	400	400 KV Deepnagar-Waluj Ckt	4-Sep-15	7:00	5-Sep-15	17:00	Daily	Tightening of nut bolts of all cut point Locations of Tension plate, Arcing Horn, Yoke Plate, corona ring, jumpers, jumper spacers & 'D' cycles etc of newly erected line.	MSETCL	MSETCL	
402	765	ICT # 2 main bay at Jabalpur Pooling Station	4-Sep-15	10:00	4-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C
403	400	400 KV Vadodara - Pirana # 1 & Bus 1	4-Sep-15	9:00	4-Sep-15	18:00	Daily	Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara	PGCIL	WR-II	C
404	400	400 Kv Parli Wardha-II Line	5-Sep-15	10:00	5-Sep-15	18:00	Daily	For commissioning of CSD	WRTS-1	WRTS-1	C
405	400	Wardha-2 L/Reactor at Aurangabad	5-Sep-15	9:00	5-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
406	400	Nigri-Satna#1 Main Bay (401 Bay) at Satna	5-Sep-15	9:00	5-Sep-15	18:00	Daily	For annual maintenance work at Satna.	PGCIL	WR-II	C
407	765	JABALPUR-2 MAIN BAY at Bina	5-Sep-15	9:00	5-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
408	400	Vadodara-Pirana -2 Tie Bay -408 at Pirana s/s	5-Sep-15	10:00	5-Sep-15	13:00	Daily	For replacement of Grading capacitor of Y phase CB at Pirana.	PGCIL	WR-II	R
409	400	Vadodara-Pirana -1 MainBay -410 at Pirana s/s	5-Sep-15	14:00	5-Sep-15	18:00	Daily	For replacement of Grading capacitor of B phase CB at Pirana.	PGCIL	WR-II	R
410	220	Kawas - Vav Ckt.1	5-Sep-15	8:00	6-Sep-15	18:00	Daily	Replacement of defective porcelain disc insulator strings with longrod polymer insulators in balanced line sections to avoid undesirable tripping of line	PGCIL	WR-II	C
411	400	AKOLA - AURANGABAD MAIN BAY NO.404	5-Sep-15	09:00	5-Sep-15	17:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
412	400	AKOLA - BHUSAWAL	5-Sep-15	10:00	5-Sep-15	18:00	Daily	Half Yearly maintenance work	MSETCL	MSETCL	
413	765	ICT # 2 Tie bay at Jabalpur Pooling Station	5-Sep-15	10:00	5-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C
414	400	400 KV Vadodara - Asoj #2 & Bus 2	5-Sep-15	9:00	5-Sep-15	18:00	Daily	Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara	PGCIL	WR-II	C
415	765	Sasan line & Bus # 1 at V'chal PS	5-Sep-15	9:00	5-Sep-15	18:00	Daily	Spacers fixing for jack bus.	PGCIL	WR-II	C

416	765	Bus-2 at Aurangabad	6-Sep-15	9:00	6-Sep-15	18:00	Daily	for providing of spacers	WRTS-I	WRTS-I	C
417	765	Bilaspur-Seoni Ckt-II	06-Sep-15	8:00	13-Sep-15	18:00	Continuou s	Non A/R mode for installation of additional earthing	WRTS-I	WRTS-I- CG	
418	400	Bus # 1 at V'chal PS	6-Sep-15	9:00	9-Sep-15	18:00	Daily	For pending construction works at V'chal PS.	PGCIL	WR-II	C
419	400	Mundra - Jetpur CKT # 1	6-Sep-15	10:00	7-Sep-15	18:00	Daily	Replacement of Isolator Copper contact at Jetpur End	PGCIL	WR-II	R
420	765 /400	765/400 KV AT-2 at Seoni	7-Sep-15	8:00	9-Sep-15	18:00	Cont.	Replacement of 390 KV LA with 336 KV LA	WRTS-I	WRTS-I	C
421	400	400 Kv Raipur I main bay at Wardha	7-Sep-15	9:00	8-Sep-15	18:00	Daily	For CSD commissioning	WRTS-I	WRTS-I	C
422	765	765 KV Abad # 1 Tie 717 Bay at Wardha	7-Sep-15	9:00	7-Sep-15	18:00	Daily	AMP work	WRTS-I	WRTS-I	R
423	765	ICT-1 Main bay (703) at Aurangabad	7-Sep-15	9:00	7-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
424	220	220KV Bus-1 at Solapur s/s	7-Sep-15	9:00	8-Sep-15	18:00	Daily	Extension of 220kv Bus-1 for ICT-3 Bay	WRTS-I	WRTS-I	C
425	HVDC	HVDC POLE-1 West side filter 14 at Bhadravati	7-Sep-15	9:00	8-Sep-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
426	400	Nigri-Satna#2 Tie Bay (405 Bay) at Satna	7-Sep-15	9:00	7-Sep-15	18:00	Daily	For annual maintenace work at Satna.	PGCIL	WR-II	C
427	765	JABALPUR-2 & GWALIOR-3 TIE BAY at Bina	7-Sep-15	9:00	7-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
428	400	409 Bay (400KV B/R-2 Main Bay) at Gwalior	7-Sep-15	10:00	7-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
429	400	Dehgam-Gandhar-1 Tie Bay- 402 at Dehgam s/s	7-Sep-15	10:00	12-Sep-15	18:00	Daily	For complete overhauling of the BHEL Make CB and subject to availability of BHEL Engineer and weather condition at Dehgam.	PGCIL	WR-II	R
430	765	BINA INDORE LINE	7-Sep-15	9:00	8-Sep-15	18:00	Daily	ALUMINIUM TUBE ERECTION FOR AUXILIARY BUS FOR SPARE REACTOR AND INTEGRATION OF SPARE REACTOR WITH BINA LINE REACTOR at Indore PS	PGCIL	WR-II	C
431	400	ISP - Indore Ckt.2 (MPPTCL)	7-Sep-15	8:00	8-Sep-15	18:00	Cont.	Stringing work for 400 kV Indore -Khandwa line (Section 87-88)	MPPTCL	WR-II	C
432	765	765kV ICT # 1 at Jabalpur Pooling Station	7-Sep-15	9:00	7-Sep-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 1 for Swapping with ICT # 1 B Phase.	PGCIL	WR-II	C
433	765	765kV Bus Reactor # 1 (Main & Tie Bay) at Jabalpur Pooling Station	7-Sep-15	9:00	8-Sep-15	18:00	Cont.	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
434	220	Kawas - Vav Ckt.2	7-Sep-15	8:00	8-Sep-15	18:00	Daily	Replacement of defective porcelain disc insulator strings with longrod polymer insulators in balanced line sections to avoid undesirable tripping of line	PGCIL	WR-II	C
435	765	Bus Reactor at Bilaspur S/s	07-Sep-15	8:00	07-Sep-15	18:00	Daily	For HV bushing/Turret gasket replacement in R-Ph	WRTS-I	WRTS-I- CG	R
436	765	765 kV Bay 705 (Main bay of Tamnar # 2) at Kotra PS	07-Sep-15	10:00	08-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I- CG	R
437	400	400 KV KARAD - TALANDGE CKT 1	7-Sep-15	10:00	7-Sep-15	18:00	Daily	Bay maintenance & Testing work	MSETCL	MSETCL	
438	400	NEW KOYNA - DABHOL-I	7-Sep-15	10:00	7-Sep-15	18:00	Daily	Bay maintenance & Testing work	MSETCL	MSETCL	
439	400	400KV S/S BHOPAL -315MVA X-MER- II	7/Sep/15	9:00	8/Sep/15	17:00	daily	POST MAINTENANCE WORK &TESTING WORK	MPPTCL	MPPTCL	R
440	400	400KV S/S INDORE -3X 105 MVA X-MER - I	7/Sep/15	8:00	8/Sep/15	17:00	daily	POST MAINTENANCE WORK &TESTING WORK	MPPTCL	MPPTCL	R
441	400	400KV S/S BINA - 50 MVAR LINE REACTOR- I	7/Sep/15	9:00	7/Sep/15	17:00	daily	POST MAINTENANCE WORK &TESTING WORK	MPPTCL	MPPTCL	R
442	400	400 KV ISP- NAGDA CKT	7/Sep/15	6:00	7/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
443	220	220 KV ANOOPUR - KOTMIKALA CKT - II	7/Sep/15	10:00	7/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
444	400	400 KV Deepnagar-Waluj Ckt	7-Sep-15	7:00	9-Sep-15	17:00	Daily	Tightening of nut bolts of all cut point Locations of Tension plate, Arcing Horn, Yoke Plate, corona ring, jumpers, jumper spacers & 'D' cycles etc of newly erected line.	MSETCL	MSETCL	
445	765	BR # 2 main bay at Jabalpur Pooling Station	7-Sep-15	10:00	7-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C
446	400	400 KV Vadodara - Pirana # 2 & Bus 2	7-Sep-15	9:00	7-Sep-15	18:00	Daily	Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara	PGCIL	WR-II	C
447	765	Pune(GIS) line switchable Reactor at Solapur	7-Sep-15	10:00	7-Sep-15	14:00	Daily	Measurement of C & Tan delta of Yph bushing	WRTS-I	WRTS-I	R
448	765	765kV Bus Reactor # 2 at Wardha	8-Sep-15	9:00	8-Sep-15	18:00	Daily	Balance construction works	WRTS-I	WRTS-I	C
449	765	706 ICT-2 Main bay at Aurangabad	8-Sep-15	9:00	8-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
450	765	Solapur-Raichur # 1	8-Sep-15	8:00	8-Sep-15	18:00	Daily	For Protection audit	WRTS-I	WRTS-I	C
451	400	50MVAR Bus Reactor Main Bay (407 Bay) at Satna	8-Sep-15	9:00	8-Sep-15	12:00	Daily	For Tan Delat Measurement of Grading Capacitor at Satna	PGCIL	WR-II	C
452	765	GWALIOR-3 MAIN BAY at Bina	8-Sep-15	9:00	8-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C

453	400	Gandhar-Sugen	8-Sep-15	9:00	19-Sep-15	18:00	Daily	Online additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
454	765	ICT #02 at Korba P/S	08-Sep-15	8:00	09-Sep-15	18:00	Continuou s	For AMP work	WRTS-I	WRTS-I- CG	R
455	400	400 kV Raipur-KSK Ckt-3	08-Sep-15	8:00	08-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I- CG	R
456	400	Main Bay 400 kV Wardha-I Bay No. 408 at 400 kv Akola SS	8-Sep-15	10:00	8-Sep-15	18:00	Daily	Routine testing and Maintenance work	MSETCL	MSETCL	
457	400	Korba Tie Transformer-4	08/Sep/15	08:30 hrs	10/Sep/15	17:30 Hrs.	Continuous	For annual maintenance of bay equipments	NTPC		
458	765	Sipat 765KV Bus reactor	8-Sep-15	7:30	10-Sep-15	19:00	Continuous	Annual Preventive maintenance	NTPC	NTPC	
459	400	Vadavi - Dehgam (PG) - 1	08-Sep-15	8:00	09-Sep-15	18:00	Daily	PMM work	GETCO	GETCO	Maintenan ce work
460	400	Kasor - SSP	08-Sep-15	8:00	09-Sep-15	18:00	Daily	PMM work	GETCO	GETCO	Maintenan ce work
461	400	CGPL Limdi-1 Line Reactor	8-Sep-15	6:00 AM	8-Sep-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
462	400	400KV S/S PITHAMPUR -315MVA X-MER- I	8/Sep/15	10:00	9/Sep/15	17:00	CONTINU S	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
463	400	400KV S/S BINA - 50 MVAR LINE REACTOR- II	8/Sep/15	9:00	8/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
464	765	Dharamjaygarh # 1 main bay at Jabalpur Pooling Station	8-Sep-15	10:00	8-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C
465	400	Mundra - Jetpur CKT # 2	8-Sep-15	10:00	9-Sep-15	18:00	Daily	Replacement of Isolator Copper contact at Jetpur End	PGCIL	WR-II	R
466	400	400 Kv Raipur II main bay at Wardha	9-Sep-15	9:00	10-Sep-15	18:00	Daily	For CSD commissioning	WRTS-I	WRTS-I	C
467	765	705 ICT-2 Tie bay at Aurangabad	9-Sep-15	9:00	9-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
468	220	220KV Bus-2 at Solapur s/s	9-Sep-15	9:00	10-Sep-15	18:00	Daily	Extension of 220kV Bus-2 for ICT-3 Bay	WRTS-I	WRTS-I	C
469	HVDC	HVDC POLE-2 West side filter 24 at Bhadrawati	9-Sep-15	9:00	10-Sep-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
470	400	Satna-Bina Line#2 Main Bay (410 Bay) at Satna	9-Sep-15	9:00	9-Sep-15	12:00	Daily	For Tan Delat Measurement of Grading Capacitor at Satna	PGCIL	WR-II	C
471	765	JABALPUR-1 MAIN BAY at Bina	9-Sep-15	9:00	9-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
472	765	712 Bay (Gwalior-Bina#1 Main Bay) at Gwalior	9-Sep-15	10:00	10-Sep-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
473	765	BAY 711 ,TIE BAY, BHOPAL LINE at Indore PS	9-Sep-15	9:00	10-Sep-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
474	765	765kV ICT # 1 (Main & Tie Bay) at Jabalpur Pooling Station	9-Sep-15	9:00	10-Sep-15	18:00	Cont.	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
475	400	400 kV Raipur-KSK Ckt-4	09-Sep-15	8:00	09-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I- CG	R
476	765	765 kV Bay 706 (Main bay of Tamnar # 2) at Kotra PS	09-Sep-15	10:00	10-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I- CG	R
477	400	400 KV CHANDRAPUR - KHAPERKHEDA	9-Sep-15	10:00	9-Sep-15	18:00	Daily	Line and bay mainenance with tree cutting etc.	MSETCL	MSETCL	
478	400	CGPL Limdi-1 Line Reactor	9-Sep-15	6:00 AM	9-Sep-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
479	400	Main bay of Sami - Dehgam 1	9-Sep-15	9:00	9-Sep-15	18:00	Daily	Annual Maintenance of bays equipment	ATIL	ATIL	R
480	400	400KV S/S BHOPAL-315MVA X-MER- II &BDTCL- II TIE	9/Sep/15	9:00	9/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
481	400	400 kv RAJGARH (PGCIL)- SSPCKT I	9/Sep/15	6:00	9/Sep/15	18:00	daily	MAINTENANCE WORK	PGCIL/MP PTCL	WR - II	R
482	400	400 kv SEONI - SARNI - CKT	9/Sep/15	9:00	9/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
483	220	220 KV MALANPUR - AURAIYA CKT	9/Sep/15	9:00	9/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
484	400	400KV CHANDRAPUR II -WARORA CKT II	9-Sep-15	8:00	10-Sep-15	18:00	DAILY	LINE MAINTENANCE WORK	MSETCL	MSETCL	
485	400	400KV 125Mvar BUS REACTOR AT 400KV WARORA	9-Sep-15	8:00	9-Sep-15	17:00	DAILY	To Carry out CRM of main & Tie CB, IR Values, supervisory trials of bucholz, PRV, & C & tan Delta of line CVT	MSETCL	MSETCL	
486	400	400KV WARORA- Wardha(PG) CKT-2	9-Sep-15	8:00	9-Sep-15	17:00	DAILY	To carry out Signature test & Tree cutting work	MSETCL	MSETCL	
487	765	Dharamjaygarh # 2 main bay at Jabalpur Pooling Station	9-Sep-15	10:00	9-Sep-15	18:00	Daily	Replacement of closing and tripping coil of Alstom make CB.	PGCIL	WR-II	C
488	400	400 KV Bus Coupler at Vadodara	9-Sep-15	9:00	9-Sep-15	18:00	Daily	Firmware Upgradation Works of SIPROTEC5 Relay at Vadodara	PGCIL	WR-II	C
489	765	Bus # 2 at V'chal PS	9-Sep-15	9:00	10-Sep-15	18:00	Daily	Jumpering work of 712 bay at V'chal PS.	PGCIL	WR-II	C
490	765 / 400	765/400 KV AT-3 at Seoni	10-Sep-15	8:00	12-Sep-15	18:00	Cont.	Replacement of 390 KV LA with 336 KV LA	WRTS-I	WRTS-I	C
491	765	Dhule Main bay (704 jat Aurangabad	10-Sep-15	9:00	10-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
492	765	Solapur-Raichur # 2	10-Sep-15	8:00	11-Sep-15	18:00	Daily	For Protection audit	WRTS-I	WRTS-I	C
493	400	V'chal-Satna Line #1 Main Bay (415 Bay) at Satna	10-Sep-15	9:00	10-Sep-15	12:00	Daily	For Tan Delat Measurement of Grading Capacitor at Satna	PGCIL	WR-II	C
494	765	JABALPUR-1 & JABALPUR-3 TIE BAY at Bina	10-Sep-15	9:00	10-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C

495	400	SJP -Nagda Ckt-II Tie Bay(402) at Nagda S/s.	10-Sep-15	10:00	10-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
496	400	Bhachau - Ranchodpura # 1 & 2	10-Sep-15	8:00	11-Sep-15	18:00	Cont	To make Diamond formation of Earthwire at the Essar - Bhachau Power line crossing of existing Bhachau - Ranchodpura line between - Tower no. 15 & 16 due to insufficient clearance at the crossing point	PGCIL	WR-II	C
497	220	Kawas- Vav Ckt II	10-Sep-15	09:00	11-Sep-15	18:00	Daily	Replacement of 2 Nos CVT in Y and B phase at 220 KV VAV GETCO SS.	PGCIL	WR-II	R
498	220	Kawas - Haldarwa Ckt.1	10-Sep-15	8:00	11-Sep-15	18:00	Daily	Replacement of defective porcelain disc insulator strings with longrod polymer insulators in balanced line sections to avoid undesirable tripping of line	PGCIL	WR-II	C
499	400	400kv LANCO-1 Main Bay-419 at Bilaspur S/s.	10-Sep-15	8:00	10-Sep-15	17:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
500	400	Tie Bay of 400 kV Bhusawal & 400 kV Wardha - I Bay no.409 at Akola SS	10-Sep-15	09:00	10-Sep-15	17:00	Daily	Routine testing and Maintenance work	MSETCL	MSETCL	
501	400	400 kV Babhleshwar - Aurangabad	10-Sep-15	09:00	10-Sep-15	17:00	Daily	Quarterly Maintenance.	MSETCL	MSETCL	
502	400	Parli(MS) Parli (PG) I	10-Sep-15	09:00	10-Sep-15	18:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
503	400	Kasor - SSP	10-Sep-15	8:00	11-Sep-15	18:00	Daily	PMM work	GETCO	GETCO	Maintenance work
504	400	Main bay of Sami - Dehgam 2	10-Sep-15	9:00	10-Sep-15	18:00	Daily	Annual Maintenance of bays equipment	ATIL	ATIL	R
505	400	400KV S/S INDORE -315 MVA X-MER - II	10/Sep/15	8:00	11/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
506	400	400KV S/S NAGDA - 50 MVAR BUS REACTOR- I	10/Sep/15	8:00	10/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
507	400	400KV S/S BINA - 400KV BUS- I	10/Sep/15	9:00	10/Sep/15	17:00	daily	POST MAINTENANCE WORK	MPPTCL	MPPTCL	R
508	400	400KV S/S JULWANIYA - 400KV BUS TIE	10/Sep/15	9:00	10/Sep/15	18:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
509	220	220 KV ANOOPUR - KOTMIKALA CKT - I	10/Sep/15	10:00	10/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
510	220	220 KV DAMOH PG - DAMOH - I/C- I	10/Sep/15	9:00	10/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
511	220	220 KV MEHGAON - AJRAIYA CKT	10/Sep/15	9:00	10/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
512	400	400kv GIRAWALI-CHANDRAPUR II CKT I	10-Sep-15	7:00	10-Sep-15	17:00	daily	Quarterly Maintenance.	MSETCL	MSETCL	
513	400	400 kV Itarsi-Jabalpur # 3	10-Sep-15	9:00	10-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
514	400	400 kV Bus Reactor # 1 at Bhachau	10-Sep-15	9:00	10-Sep-15	18:00	Daily	For CSD Commissioning at Bhachau	PGCIL	WR-II	C
515	400	Bus # 2 at V'chal PS	10-Sep-15	9:00	11-Sep-15	18:00	Daily	For pending construction works at V'chal PS.	PGCIL	WR-II	C
516	400	400 kV Itarsi-Jabalpur # 3	10-Sep-15	9:00	10-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
517	400	400 kV Bus Reactor # 1 at Bhachau	10-Sep-15	9:00	10-Sep-15	18:00	Daily	For CSD Commissioning at Bhachau	PGCIL	WR-II	C
518	765	Indore - Vadodara	10-Sep-15	7:00	12-Sep-15	18:00	Daily	Replacement of disc insulator strings with composite polymer longrod insulator strings . CSD commissioning in switchable reactor at Indore end.	PGCIL	WR-II	C
519	400	400KV Bina-Bina ckt1	10-Sep-15	8:00	10-Sep-15	18:00	Daily	Obsolete Relay replacement at MPPTCL	WRTS-II	POWERGR	C
520	400	Parli # 1 main bay at Wardha	11-Sep-15	9:00	12-Sep-15	18:00	Daily	For CSD commissioning	WRTS-I	WRTS-I	C
521	HVDC	HVDC POLE-2 west side filter 23 at Bhadravati	11-Sep-15	9:00	12-Sep-15	18:00	Daily	Yearly Amp works	WRTS-I	WRTS-I	R
522	765	Satna-Bina Line#1 Main Bay (703 Bay) at Satna	11-Sep-15	9:00	11-Sep-15	18:00	Daily	For annual maintenace work at Satna.	PGCIL	WR-II	C
523	765	INDORE LINE REACTOR BAY at Bina	11-Sep-15	9:00	11-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
524	765	710 Bay (Gwalior-Agra#2 Main Bay) at Gwalior	11-Sep-15	10:00	12-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
525	400	Nagda - Dehgam Ckt-II Main Bay(401) at Nagda S/s.	11-Sep-15	10:00	11-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
526	400	Indore - Asoj Ckt.2	11-Sep-15	9:00	16-Sep-15	18:00	Conti.	Shifting of tower at location no. 153 to new location due to buckling.	PGCIL	WR-II	C
527	765	BINA INDORE LINE	11-Sep-15	10:00	11-Sep-15	12:00	Daily	FOR TAKING SPARE REACTOR OUT OF SERVICE at Indore PS	PGCIL	WR-II	R
528	765	765kV JBP - BINA # 3 Line Reactor at Jabalpur Pooling Station	11-Sep-15	9:00	12-Sep-15	18:00	Cont.	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
529	765	765kV ICT # 2 at Jabalpur Pooling Station	11-Sep-15	9:00	11-Sep-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 2 for Swapping with ICT # 2 Y Phase.	PGCIL	WR-II	C
530	400	Thapitanda-Akola ckt-1	11-Sep-15	8:00	11-Sep-15	18:00	Daily	bay maintenance work & line work	MSETCL	MSETCL	
531	400	Korba Korba West Line	11/Sep/15	8:30	14/Sep/15	17:30	Continuous	Charging of line After Replacement of new Breaker, CT & LBB relay	NTPC		
532	400	Vadavi - Chorania - 1	11-Sep-15	8:00	11-Sep-15	18:00	Daily	PMM work	WRTGPL	GETCO	Maintenance work
533	400	CGPL 400KV bus Reactor	11-Sep-15	6:00 AM	11-Sep-15	18:00	Daily	Preventive Maintenance	PGCIL	CGPL	
534	400	400KV S/S BINA - 400KV BUS- II	11/Sep/15	9:00	11/Sep/15	17:00	daily	POST MAINTENANCE WORK	MPPTCL	MPPTCL	R
535	400	400/220/33KV 315MVA ICT-II AT 400KV AURANGABAD	11-Sep-15	9:00	11-Sep-15	17:00	Daily	Quarterly Maintenance.	MSETCL	MSETCL	

536	400	400 kV Itarsi-Jabalpur # 4 (CSR)	11-Sep-15	9:00	11-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
537	400	400 kV Itarsi-Jabalpur # 4 (CSR)	11-Sep-15	9:00	11-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
538	400	400kV Bina-Bina ckt2	11-Sep-15	8:00	11-Sep-15	18:00	Daily	Obsolete Relay replacement at MPPTCL	WRTS-II	POWERGR	C
539	765	Bus-1 at Aurangabad	12-Sep-15	9:00	12-Sep-15	18:00	Daily	for providing of spacers	WRTS-I	WRTS-I	C
540	400	Mundra - Bhachau # 1	12-Sep-15	8:00	19-Sep-15	18:00	Daily	Online Additional earthing work in transmission line. A/R shall be kept in non auto mode	PGCIL	WR-II	C
541	400	V'chal-Satna Line#4 Main Bay (418 Bay) at Satna	12-Sep-15	9:00	12-Sep-15	18:00	Daily	For annual maintenance work at Satna.	PGCIL	WR-II	C
542	765	240 MVAr BUSREACTOR-2 at Bina	12-Sep-15	9:00	12-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
543	400	Nagda-Dehgam Ckt-I Main Bay (406) at Nagda S/s	12-Sep-15	10:00	12-Sep-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
544	400	401 BAY, MAIN BAY FOR PITHAMPUR CKT - I at Indore PS	12-Sep-15	8:00	12-Sep-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
545	220	Kawas - Haldarwa Ckt.2	12-Sep-15	8:00	13-Sep-15	18:00	Daily	Replacement of defective porcelain disc insulator strings with longrod polymer insulators in balanced line sections to avoid undesirable tripping of line	PGCIL	WR-II	C
546	400	BABLESHWAR- AURANGABAD (WALUJ)	12-Sep-15	09:00	12-Sep-15	18:00	Daily	Bay Maint. Work	MSETCL	MSETCL	
547	400	CGPL 400KV bus Reactor	12-Sep-15	6:00 AM	12-Sep-15	18:00	Daily	Preventive Maintenance	PGCIL	CGPL	
548	400	400 kV Itarsi-Khandwa#1 Reactor	12-Sep-15	9:00	12-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
549	765	ICT # 1 V'chal PS	12-Sep-15	9:00	13-Sep-15	18:00	Daily	For pending fire fighting & construction works at V'chal PS.	PGCIL	WR-II	C
550	400	400 kV Itarsi-Khandwa#1 Reactor	12-Sep-15	9:00	12-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
551	765	765 KV Bus 2 at Wardha	13-Sep-15	9:00	14-Sep-15	18:00	Daily	Bus Extension Work for Raipur Ckt 3&4	WRTS-I	WRTS-I	C
552	400	DHULE- - BABLESHWAR - II	13-Sep-15	10:00	13-Sep-15	18:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
553	400	409 bay (400 KV side main bay) of 400/200 Kv ICT # 2 at Mapusa	13-Sep-15	8:00	13-Sep-15	20:00	Daily	AMP	WRTS-I	WRTS-I	R
554	400	DGEN – NAVASARI Line 1	13-Sep-15	9:00	13-Sep-15	13:00	Continuous	For cloth cleaning of Insulators at 140M Transmission Tower at Narmada River Crossing.	TEL	TEL	R
555	400	DGEN – NAVASARI Line 2	13-Sep-15	14:00	13-Sep-15	18:00	Continuous	For cloth cleaning of Insulators at 140M Transmission Tower at Narmada River Crossing.	TEL	TEL	R
556	765	240MVAr Bus Reactor 1 at Satna	13-Sep-15	8:00	13-Sep-15	18:00	Daily	For attendign major oil leakage problem at Satna	PGCIL	WR-II	R
557	765	240MVAr Bus Reactor 2 at Satna	13-Sep-15	8:00	13-Sep-15	8:15	Daily	Reactor will be restored within 15 min. as both Bus reactor 1 & 2 are conteolled from same main & tie bays	PGCIL	WR-II	R
558	400	KORADI-BHUSAWAL	14-Sep-15	10:00	14-Sep-15	18:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
559	765	765/400 KV AT-1 (Main bay 712) at Seoni	14-Sep-15	8:00	15-Sep-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
560	400	400kV Bus # 1 at Wardha	14-Sep-15	9:00	15-Sep-15	18:00	Daily	Constn works in 400kV urangabad bay Extn.	WRTS-I	WRTS-I	C
561	765	Wardha-2 Main bay (712)at Aurangabad	14-Sep-15	9:00	14-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
562	765	765 KV Raichur-1 Line Reactor at Solapur	14-Sep-15	9:00	15-Sep-15	18:00	Daily	MOG Gasket replacement	WRTS-I	WRTS-I	R
563	400	V'chal-Satna Line#4 Tie Bay (417 Bay) at Satna	14-Sep-15	9:00	14-Sep-15	18:00	Daily	For annual maintenance work at Satna.	PGCIL	WR-II	C
564	765	GWALIOR-3 LINE REACTOR BAY at Bina	14-Sep-15	9:00	14-Sep-15	18:00	Daily	ALSTOM CB COIL REPLACMNET WORK	PGCIL	WR-II	C
565	765	701 Bay (Gwalior-Jaipur#1 Main Bay) at Gwalior	14-Sep-15	10:00	15-Sep-15	18:00	Daily	For annual maintenance work	PGCIL	WR-II	R
566	400	Dehgam-Gandhar-1 Main Bay- 403 at Dehgam s/s	14-Sep-15	10:00	19-Sep-15	18:00	Daily	For complete overhauling of the BHEL Make CB and subject to availability of BHEL Engineer and weather condition at Dehgam.	PGCIL	WR-II	R
567	765	BAY 710 ,MAIN BAY, BHOPAL LINE at Indore PS	14-Sep-15	9:00	15-Sep-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
568	400	402 BAY, TIE BAY FOR PITHAMPUR CKT - I at Indore PS	14-Sep-15	9:00	14-Sep-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
569	765	BHOPAL INDORE LINE	14-Sep-15	9:00	15-Sep-15	18:00	Daily	SPARE REACTOR INTEGRATION WITH BHOPAL LINE REACTOR AND AMP OF BHOPAL LINE REACTOR AND LINE TERMINAL EQUIPMENT at Indore PS	Sterlite	WR-II	C
570	765	765kV JBP - BHOPAL # 1 Line Reactor at Jabalpur Pooling Station	14-Sep-15	9:00	15-Sep-15	18:00	Cont.	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
571	400	Nadga - Dehgam Ckt.1	14-Sep-15	8:00	16-Aug-15	18:00	Daily	Replacement of defective porcelain disc insulator strings with longrod polymer insulators in all polluted line sections to avoid undesirable tripping of line	PGCIL	WR-II	C
572	765	Seoni#1 Line Reactor at Bilaspur S/s	14-Sep-15	9:00	14-Sep-15	13:00	Daily	For Changeover of Spare Line Reactor	WRTS-I	WRTS-I-CG	R

573	400	Korba Bus-1/2 shutdown	14/Sep/15	08:30 hrs	14/Sep/15	17:30 Hrs.	Continuous	Charging of line with new Breaker & CT Replacement	NTPC		
574	400	400KV S/S INDORE -3X 105 MVA X-MER - III	14/Sep/15	8:00	15/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
575	400	400KV S/S NAGDA - 50 MVAR BUS REACTOR- II	14/Sep/15	8:00	14/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
576	400	400KV S/S JULWANIYA- 50 MVAR BUS REACTOR	14/Sep/15	9:00	14/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
577	400	400KV S/S ASTHA - 50 MVAR LINE REACTOR - I	14/Sep/15	9:00	14/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
578	400	400 KV ASTHA - SATPURA CKT - I	14/Sep/15	9:00	14/Sep/15	17:00	daily	MAINTENANCE WORK	KSTPL/M PPTCL	KSTPL/M PPTCL	R
579	400	400 kV Bus Reactor # 2 at Itarsi	14-Sep-15	9:00	14-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
580	400	400 kV Bus Reactor # 2 at Itarsi	14-Sep-15	9:00	14-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
581	765	Wardha-2 Tie bay (711) at Aurangabad	15-Sep-15	9:00	15-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
582	400	V'chal-Satna Line#3 Main Bay (421 Bay) at Satna	15-Sep-15	9:00	15-Sep-15	18:00	Daily	For annual maintenace work at Satna.	PGCIL	WR-II	C
583	400	315 MVA ICT-II at Khandwa SS	15-Sep-15	9:00	17-Sep-15	18:00	Cont.	Off line oil filtration work at khandwa ss.	PGCIL	WR-II	R
584	765	JABALPUR - BINA -2 LINE	15-Sep-15	9:00	15-Sep-15	18:00	Daily	NGR REPLACMNET WORK AT BINA	PGCIL	WR-II	C
585	400	315 MVA ICT-I at Shujalpur	15-Sep-15	10:00	15-Sep-15	15:00	Daily	For annual maintenace work	PGCIL	WR-II	R
586	400	400 kV D/C Sipat-Ranchi	15-Sep-15	8:00	17-Sep-15	18:00	Continuous	Non A/R mode for installation of additional earthing	WRTS-I	WRTS-I-CG	
587	400	Main Bay of 400 kV Bhusawal Bay No.410 at Akola Ss	15-Sep-15	09:00	15-Sep-15	17:00	Daily	Routine testing and Maintenance work	MSETCL	MSETCL	
588	400	400 KV WARORA-ADANI(TIRODA)1	15-Sep-15	09:00	15-Sep-15	17:00	Daily	Bay Maint. Work	MSETCL	MSETCL	
589	400	Vadavi - Chorania - 2	15-Sep-15	8:00	15-Sep-15	18:00	Daily	PMM work	WRTGPL	GETCO	Maintenance work
590	400	CGPL Mansar Line Reactor	15-Sep-15	6:00 AM	15-Sep-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
591	400	400KV S/S ASTHA - 315MVA X-MER - I	15/Sep/15	9:00	15/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
592	400	400KV S/S PITHAMPUR -315MVA X-MER- II	15/Sep/15	10:00	16/Sep/15	17:00	CONTINUOUS	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
593	220	220 KV ANOOPUR - KOTMIKALA CKT - II	15/Sep/15	10:00	15/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
594	400	400 kV Bus Reactor # 3 at Itarsi	15-Sep-15	9:00	15-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
595	765	765 kV Gwalior-Satna Line # 2	15-Sep-15	9:00	15-Sep-15	18:00	Daily	For CSD Commissioning at Gwalior	PGCIL	WR-II	C
596	400	400 kV Bus Reactor # 3 at Itarsi	15-Sep-15	9:00	15-Sep-15	18:00	Daily	For CSD Commissioning at itarsi	PGCIL	WR-II	C
597	765	Wardha-1 (Main bay 721) at Seoni	16-Sep-15	8:00	16-Sep-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-I	WRTS-I	R
598	400	400kV Bus # 2 at Wardha	16-Sep-15	9:00	17-Sep-15	18:00	Daily	Constn works in 400kV A'bad bay Extn.	WRTS-I	WRTS-I	C
599	765	Wardha-1 Main bay (715) at Aurangabad	16-Sep-15	9:00	16-Sep-15	18:00	Daily	for AMP works	WRTS-I	WRTS-I	R
600	765	765 KV Bus Reactor at Solapur	16-Sep-15	9:00	16-Sep-15	18:00	Daily	MOG Gasket replacement	WRTS-I	WRTS-I	R
601	400	SATNA-1 TIE BAY at Bina	16-Sep-15	9:00	16-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
602	765	240 MVA B/R at Gwalior	16-Sep-15	10:00	17-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
603	400	Bina - Shujalpur Ckt-I Main Bay (401) at Shujalpur S/s.	16-Sep-15	10:00	16-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
604	400	404 BAY, MAIN BAY FOR PITHAMPUR CKT - II at Indore PS	16-Sep-15	9:00	16-Sep-15	18:00	Daily	AMP OF BAY EQUIPMENT at Indore PS	PGCIL	WR-II	R
605	765	765kV JBP - Dharmjaygarh # 1 Line Reactor at Jabalpur Pooling Station	16-Sep-15	9:00	16-Sep-15	18:00	Daily	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
606	400	400kv LANCO-2 Main Bay-422 at Bilaspur S/s.	16-Sep-15	8:00	16-Sep-15	17:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
607	400	400 KV KORADI-KHAPERKHEDA- I	16-Sep-15	09:00	16-Sep-15	17:00	Daily	Routine Maintenance and testing work along with Dignostic testing activities	MSETCL	MSETCL	
608	400	CGPL Mansar Line Reactor	16-Sep-15	6:00 AM	16-Sep-15	6:00 PM	Daily	Preventive Maintenance	PGCIL	CGPL	
609	400	400KV S/S ASTHA - 315MVA X-MER - II	16/Sep/15	9:00	16/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
610	400	400 KV BHOPAL- ITARSI Ckt - I	16/Sep/15	9:00	16/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
611	220	220 KV SEONI (PG)- CHHINDWARA CKT- I	16/Sep/15	9:00	16/Sep/15	18:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
612	400	V'chal-Satna Line#3 Tie Bay (420 Bay) at Satna	16-Sep-15	9:00	16-Sep-15	18:00	Daily	For annual maintenace work at Satna.	PGCIL	WR-II	C
613	400	400KV Side Main Bay of 765KV ICT#1 (403Bay) at Satna	17-Sep-15	9:00	17-Sep-15	18:00	Daily	For annual maintenace work at Satna.	PGCIL	WR-II	C
614	400	SATNA-2 TIE BAY at Bina	17-Sep-15	9:00	17-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
615	400	Bina - Shujalpur Ckt-I Tie Bay (402) at Shujalpur S/s.	17-Sep-15	10:00	17-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
616	765	765kV JBP - Dharmjaygarh # 2 Line Reactor at Jabalpur Pooling Station	17-Sep-15	9:00	17-Sep-15	18:00	Daily	Installation, Testing & Commissioning of CSD Relay	PGCIL	WR-II	C
617	400	400KV S/S ASTHA - 50 MVAR BUS REACTOR	17/Sep/15	9:00	17/Sep/15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
618	220	220 KV BINA (PG)- SHIVNPURI CKT	17/Sep/15	9:00	17/Sep/15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
619	400	400/220KV 500MVA ICT III AT 400KV PARLY	17-Sep-15	7:00	17-Sep-15	17:00	Daily	Quarterly Maintenance.	MSETCL	MSETCL	
620	400	Indore-Itarsi # 1	17-Sep-15	8:00	18-Sep-15	18:00	Conti.	Stringing work for 400 kV Indore -Khandwa line	PGCIL	WR-II	C

621	400	Aurangabad(PG)- Aurangabad(MSETCL) # 1	18-Sep-15	8:00	18-Sep-15	18:00	Conti.	Replacement of HCB isolator, Clamps, connectors, Al.Pipe and jumpers under up gradation work at MSETCL Waluj S/S.	WRTS-I	WRTS-I	C
622	400	Aurangabad-Pune # 1	18-Sep-15	8:00	18-Sep-15	18:00	Conti.	Attending problem of TBC isolator, changing of clamps & connectors and AMP works at MSETCL Waluj S/S.	WRTML / M	WRTS-I	C
623	765	765kV Wardha - Aurangabad # 2 line	18-Sep-15	9:00	19-Sep-15	18:00	Daily	For commissoing of LVCC & CSD	WRTS-I	WRTS-I	C
624	765	Bina Main bay (727) at Seoni	18-Sep-15	8:00	19-Sep-15	18:00	Daily	AMP works (DCRM & Timing test of CB)	WRTS-II	WRTS-I	R
625	765	Seoni - Bilaspur-I Line	18-Sep-15	8:00	18-Sep-15	18:00	Daily	Line AMP works	WRTS-I	WRTS-I	R
626	400	400KV Side Tie Bay of 765KV ICT#1 (402Bay) at Satna	18-Sep-15	9:00	18-Sep-15	18:00	Daily	For annual maintenace work at Satna.	PGCIL	WR-II	C
627	400	80MVAR Sioni-I Line Reactor at Khandwa	18-Sep-15	10:00	18-Sep-15	18:00	Daily	For connecting oil regeration machine setup. (Respective Line can be taken in service without line reactor after removing line reactor)	PGCIL	WR-II	R
628	400	BPSCL MAIN BAY at Bina	18-Sep-15	9:00	18-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
629	765	765KV Gwalior-Bina#2 L/R (Switchable) at Gwalior	18-Sep-15	10:00	18-Sep-15	18:00	Daily	For Bushing Oil Collection. Line will be in service without LR at Gwalior	PGCIL	WR-II	R
630	400	Shujalpur - Nagda Ckt-I Main Bay (412) at Shujalpur S/s.	18-Sep-15	10:00	18-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
631	765	765kV Bus # 2 at Jabalpur Pooling Station	18-Sep-15	9:00	18-Sep-15	18:00	Daily	765kV Bus Isolators Earth Switch Erection / Alignment problem	PGCIL	WR-II	C
632	400	Nadga - Dehgam Ckt.2	18-Sep-15	8:00	20-Aug-15	18:00	Daily	Replacement of defective porcelain disc insulator strings with longrod polymer insulators in all polluted line sections to avoid undesirable tripping of line	PGCIL	WR-II	C
633	765	Bus Reactor at Bilaspur S/s	18-Sep-15	8:00	18-Sep-15	18:00	Daily	For HV bushing/Turret gasket replacement in Y-Ph	WRTS-I	WRTS-I-CG	R
634	765	765 kV Bay 720 (Main bay of AT#2) at Kotra PS	18-Sep-15	10:00	19-Sep-15	18:00	Daily	For AMP work	WRTS-I	WRTS-I-CG	R
635	400	Vadavi - Kansari - 1	18-Sep-15	8:00	18-Sep-15	18:00	Daily	PMM work	WRTGPL	GETCO	Maintenace work
636	400	400KV S/S ASTHA - 50 MVAR LINE REACTOR- II	18-Sep-15	9:00	18-Sep-15	17:00	daily	POST MAINTENANCE WORK & TESTING WORK	MPPTCL	MPPTCL	R
637	400	400 KV BHOPAL- ITARSI Ckt - II	18-Sep-15	9:00	18-Sep-15	17:00	daily	MAINTENANCE WORK	MPPTCL	MPPTCL	R
638	400	Aurangabad(PG)- Aurangabad(MSETCL) # 2	19-Sep-15	8:00	19-Sep-15	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	C
639	400	Aurangabad-Pune # 2	19-Sep-15	8:00	19-Sep-15	18:00	Conti.	Attending problem of TBC isolator, changing of clamps & connectors and AMP works at MSETCL Waluj S/S.	WRTML / M	WRTS-I	C
640	765	Seoni- Bilaspur -II Line	19-Sep-15	8:00	19-Sep-15	18:00	Daily	Line AMP works	WRTS-I	WRTS-I	R
641	400	765/400KV ICT-1 MAIN BAY at Bina	19-Sep-15	9:00	19-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
642	220	220KV Bus-1 at Gwalior	19-Sep-15	10:00	19-Sep-15	18:00	DAILY	For annual maintenace work	PGCIL	WR-II	R
643	400	Shujalpur - Nagda Ckt-I Main Bay (411) at Shujalpur S/s.	19-Sep-15	10:00	19-Sep-15	18:00	Daily	For annual maintenace work	PGCIL	WR-II	R
644	765	765kV ICT # 2 at Jabalpur Pooling Station	19-Sep-15	9:00	19-Sep-15	18:00	Daily	ICT Spare Phase Commissioning with ICT # 2 for Swapping with ICT # 2 B Phase.	PGCIL	WR-II	C
645	400	Vadavi - Kansari - 2	19-Sep-15	8:00	19-Sep-15	18:00	Daily	PMM work	WRTGPL	GETCO	Maintenace work
646	400	400KV S/S ASTHA - 315MVA X-MER - I	19/Sep/15	9:00	19/Sep/15	17:00	daily	POST MAINTENANCE WORK & BAYS	MPPTCL	MPPTCL	R
647	400	400KV DHULE-SSP CKT I	19-Sep-15	10:00	19-Sep-15	18:00	Daily	Replacement of broken earth wire.Q.M. work, routing testing	MSETCL	MSETCL	
648	765	Satna - V'chal PS line	20-Sep-15	9:00	21-Sep-15	18:00	Daily	For pending construction works at V'chal PS.	PGCIL	WR-II	C

अगस्त 2015 और सितम्बर 2015 माह के लिये अपेक्षित मांग एवं ऊर्जा की आवश्यकता

ANTICIPATED DEMAND AND ENERGY REQUIREMENT FOR AUGUST 2015 AND SEPTEMBER 2015

राज्य	State	मांग DEMAND मेगावाट (MW)		ऊर्जा की आवश्यकता ENERGY REQUIREMENT मिलियन युनिट्स (MUs)	
		अगस्त 2015 AUGUST 2015	सितम्बर 2015 SEPTEMBER 2015	अगस्त 2015 AUGUST 2015	सितम्बर 2015 SEPTEMBER 2015
1 गुजरात	GUJARAT				
सीमित	RESTRICTED	11500	14750	7740	8500
असीमित	UNRESTRICTED	11550	14800	7750	8510
2 मध्य प्रदेश	MADHYA PRADESH				
सीमित	RESTRICTED	7190	7200	4745	4800
असीमित	UNRESTRICTED	7190	7200	4745	4800
3 छत्तीसगढ़	CHHATISGARH				
सीमित	RESTRICTED	2950	2950	1896	1859
असीमित	UNRESTRICTED	3000	3000	1904	1867
4 महाराष्ट्र	MAHARASHTRA				
सीमित	RESTRICTED	18500	19500	11800	12000
असीमित	UNRESTRICTED	18550	19550	11850	12050
5 गोवा	GOA				
सीमित	RESTRICTED	460	465	295	290
असीमित	UNRESTRICTED	460	465	295	290
6 दमन दीव	DD				
सीमित	RESTRICTED	315	295	195	200
असीमित	UNRESTRICTED	315	295	195	200
7 डी एन एच	DNH				
सीमित	RESTRICTED	660	640	455	460
असीमित	UNRESTRICTED	660	640	460	465
8 पश्चिम क्षेत्र	WESTERN REGION				
सीमित	RESTRICTED	45500	47500	28000	28450
असीमित	UNRESTRICTED	45650	47500	28300	28500

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

अनुलग्नक 4.2
ANNEX-4.2

राज्य	State	Anticipated अपेक्षित (MW)	वास्तविक Actual (MW)				दिनांक Date	समय Time	आवृत्ति Frequency	
			आपूर्ति Catered							
				UNSCH LS	FC	SCH LS				कुल Total
गुजरात	<u>GUJARAT</u>									
पंजीकृत	Registered		14886	-	-	-	14886	17.07.15	1500	49.95
सीमित	Restricted	14500								
असीमित	Unrestricted	14550	14886	0	26	0	14912	17.07.15	1500	49.95
न्यूनतम पंजीकृत मांग	Min. Registered Demand		6280				6280	29.07.15	0400	50.01
मध्य प्रदेश	<u>MADHYA PRADESH</u>									
पंजीकृत	Registered		7494	-	-	-	7494	16.07.15	2030	50.04
सीमित	Restricted	6535								
असीमित	Unrestricted	6535	7494	0	-9	0	7485	16.07.15	2030	50.04
न्यूनतम पंजीकृत मांग	Min. Registered Demand		4225				4225	26.07.15	1300	
छत्तीसगढ़	<u>CHHATTISGARH</u>									
पंजीकृत	Registered		3558				3558	31.07.15	1900	49.99
सीमित	Restricted	3367								
असीमित	Unrestricted	3417	3002	870.4	17	0	3889	30.07.15	2000	49.84
न्यूनतम पंजीकृत मांग	Min. Registered Demand		2141				2141	10.07.15	1500	50.04
महाराष्ट्र	<u>MAHARASHTRA</u>									
पंजीकृत	Registered		19792	-	-	-	19792	15.07.15	1200	49.98
सीमित	Restricted	19600								
असीमित	Unrestricted	19650	18891	1250	119	0	20260	14.07.15	1200	49.82
न्यूनतम पंजीकृत मांग	Min. Registered Demand		13050				13050	24.07.15	0400	49.98
गोवा	<u>*GOA</u>									
पंजीकृत	Registered	425	405		-	-	405	07.07.15	2200	49.75
असीमित	Unrestricted	425	405	0	3.54	-	409	07.07.15	2200	49.75
न्यूनतम पंजीकृत मांग	Min. Registered Demand		250				250			
एस्सार	<u>ESSAR(ESIL)</u>									
पंजीकृत	Registered		494		-	-	494	31.07.15	1700	49.97
असीमित	Unrestricted		494	0	0	-	494	31.07.15	1700	49.97
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
दमन एवं दीव	<u>DD</u>									
पंजीकृत	Registered		302		-	-	302	20.07.15	1000	49.97
असीमित	Unrestricted		302	0	0	-	302	20.07.15	1000	49.97
न्यूनतम पंजीकृत मांग	Min. Registered Demand		198				198			
दादरा व न हवेली	<u>DNH</u>									
पंजीकृत	Registered		734		-	-	734	06.07.15	1200	49.95
असीमित	Unrestricted		734	2	1	-	738	06.07.15	1200	49.95
न्यूनतम पंजीकृत मांग	Min. Registered Demand		498				498	27.07.15		
पश्चिम क्षेत्र	<u>WESTERN REGION</u>									
पंजीकृत	Registered		44803	-	-	-	44803	15.07.15	1500	49.90
सीमित	Restricted	45300								
असीमित	Unrestricted	45500	43605	1476	366	0	45447	17.07.15	1500	49.76
न्यूनतम पंजीकृत मांग	Min. Registered Demand		29939				29939	28.07.15	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 जुलाई 2015

Jul-15

अनु.क्र.	वर्गीकृत नाम	PARALLEL / RADIAL OPERATION	TOTAL OPERATING HOURS
1	एचवीडीसी बैक टू बैक लिंक	HVDC back-to back link(WR-NR)	711:36:00
2	एचवीडीसी बैक टू बैक लिंक	HVDC back-to back link(WR-SR)	741:10:00
		TIE LINE	
1	765 केवी सिवनी से वर्धा-I	765kV Soni to Wardha	722:39:00
2	765 केवी सिवनी से वर्धा-II	765kV Seoni to Wardha	707:11:00
3	765 केवी सिवनी से बिलासपुर-I	765kV Seoni to Bilaspur-I	744:00:00
4	765 केवी सिवनी से बिलासपुर-II	765kV Seoni to Bilaspur-II	744:00:00
5	765 केवी दुर्ग से वर्धा -I	765kV Durg to Wardha	744:00:00
6	765 केवी दुर्ग से वर्धा -II	765kV Durg to Wardha	732:11:00
7	400 केवी भिलाई से कोराडी	400kV Bhilai to Koradi	744:00:00
8	400 केवी भिलाई से भद्रावती	400kV Bhilai to Bhadravati	700:57:00
9	400 केवी रायपुर से भद्रावती -I	400kV Raipur to Bhadravati-I	700:28:00
10	400 केवी रायपुर से भद्रावती -II	400kV Raipur to Bhadravati-II	744:00:00
11	400 केवी रायपुर से भद्रावती -III	400kV Raipur to Bhadravati-III	732:49:00
12	400	400kV Satpura to Koradi	744:00:00
13	400 -I	400kV Khandwa-Dhule-I	731:43:00
14	400 -II	400kV Khandwa-Dhule-II	719:51:00
15	400 -I	400kV Indore to Asoj-I	718:00:00
16	400 -II	400kV Indore to Asoj-II	610:46:00
17	400 -III	400kV Indore to Asoj-III	744:00:00
18	400 केवी कोल्हापुर से मापसा-I	400kV Kolhapur-Mapusa-I	513:08:00
19	400 केवी कोल्हापुर से मापसा-II	400kV Kolhapur-Mapusa-II	519:23:00
20	400	400kV Vapi-Boisar	744:00:00
21	400 केवी रायगढ़ से स्टरलाइट-I	400kV Raigarh to Sterlight-I	744:00:00
22	400 केवी रायगढ़ से स्टरलाइट-II	400kV Raigarh to Sterlight -II	737:58:00
23	400 -I	400kV Raigarh to Jharsuguda-I	707:30:00
24	400 -II	400kV Raigarh to Jharsuguda-II	657:31:00
25	400 -I	400kV Nagda to Dehgam	660:42:00
26	400 -II	400kV Nagda to Dehgam	643:04:00
27	400 केवी रायपुर से वर्धा-I	400kV Raipur to Wardha-I	740:18:00
28	400 केवी रायपुर से वर्धा-II	400kV Raipur to Wardha-II	719:30:00
29	400 केवी वर्धा से मौदा-I	400kV Wardha to Mouda-II	744:00:00
30	400 केवी वर्धा से मौदा-II	400kV Wardha to Mouda-II	744:00:00
31	220 केवी कोरबा पूर्व से बुद्धिपादर-III	220kV K(E) to Budhipadar-III	741:56:00

माह जुलाई 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 JULY 2015
AND EXCHANGES FOR THE

(पक्षेयित्व द्वारा जारी क्षेत्रीय ऊर्जा लेखा के आधार पर)

1												
1 केंद्रीय स्टेशनों / समर्पित केंद्रीय स्टेशनों / संयुक्त निजी स्टेशनों की घोषित क्षमता (वस पर) और लाभार्थियों की पावता												
Declared Capacity (ex-bus) of Central Gen. Stns/Dedicated CG Stns/Jointly owned Stns & entitlement of beneficiaries (MUs)												
(अ)	केंद्रीय विजलीघर	घोषित क्षमता		गुज्रविनिनि	मर्चिउरक	छराविो	मराविउरक	गोवा	दमन दीव	दा न ह	एचवीडीएम + एचडब्ल्यू	कुल
		A. Central Gen. Stns.	Dec. Cap.									
	कोरबा एमटीपीएस	Korba STPS	1315.031	225.460	306.917	134.507	418.396	134.077	30.876	32.957		1315.031
	कोरबा एमटीपीएस -III	Korba STPS-III	193.882	37.235	30.248	58.628	52.272	2.495	2.326	8.687		193.882
	विन्ध्यचल एमटीपीएस I	Vindhyaachal STPS-I	816.911	149.207	290.427	1.777	298.921	25.074	8.635	27.968	14.903	816.911
	विन्ध्य एमटीपीएस II	Vindhyaachal STPS-II	332.335	79.511	106.868	0.704	118.918	4.910	3.087	10.910		332.335
	विन्ध्य एमटीपीएस III	Vindhyaachal STPS-III	709.352	188.688	176.683	76.122	210.291	9.051	8.002	24.681		709.352
	विन्ध्य एमटीपीएस IV	Vindhyaachal STPS-IV	635.992	152.613	182.872	41.258	205.850	9.587	8.080	29.201		635.992
	कवास गैस	Kawas GPP	482.096	137.398	102.982	0.000	150.115	9.106	22.809	59.686		482.096
	गंधार गैस	Gandhar GPP	479.148	172.760	85.422	0.000	146.051	9.226	22.868	42.821		479.148
	सीपत	Sipat	1827.959	498.917	325.807	293.150	560.630	24.909	22.124	75.724		1827.959
	काकरापार	Kakrapar APS*	145.773	41.413	36.824	0.000	49.810	5.304	2.750	4.147	5.525	145.773
	तारपुर 3 और 4	Tarapur APS 3&4*	729.805	185.154	156.088	32.435	296.085	9.740	8.628	28.796		729.805
(ब)	समर्पित केंद्रीय विजलीघर	B. Dedicated CG Stations				* Actual injection		* वायविक इन्जेक्शन				
	इंदिरा सागर	Indira Sagar*	471.070		471.070							471.070
(ग)	संयुक्त निजी स्टेशन	C. Jointly owned Stations										
	तारपुर 1 और 2	Tarapur APS 1&2*	84.090	42.045	0.000	0.000	42.045	0.000	0.000	0.000		84.090
	एसएसपी	SSP*	185.276	29.644	105.608	0.000	50.025	0.000	0.000	0.000		185.276
	पेन्च	Pench*	14.870		9.913	0.000	4.957	0.000	0.000	0.000		14.870
	कुल (ई सागर को छोड़ कर)	Total (excl. Indira Sagar)	13755.379	3142.257	3018.350	716.751	3332.017	253.823	197.601	446.692	2647.887	13755.379
		* Actual injection										
2												
2 केंद्रीय स्टेशनों / समर्पित केंद्रीय स्टेशनों / संयुक्त निजी स्टेशनों की उत्पादन शेड्यूल और लाभार्थियों की डावल शेड्यूल												
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	गुज्रविनिनि	मर्चिउरक	छराविो	मराविउरक	गोवा	दमन दीव	दा न ह	एचवीडीएम + एचडब्ल्यू / Outside region(NR & SR)	कुल
			Schedule	GUVNL	MPPGCL	CSEB	MSPGCL	GOA	DD	DNH	HVDC+HNB / Outside region(NR & SR)	TOTAL
	कोरबा एमटीपीएस	Korba STPS	1302.409	210.176	306.653	140.129	415.937	133.960	30.873	32.925		1302.409
	कोरबा एमटीपीएस -III \$	Korba STPS-III \$	190.102	32.705	30.248	59.393	52.272	2.495	2.326	8.705		190.102
	विन्ध्य एमटीपीएस I	Vindhyaachal STPS-I	612.333	60.987	208.492	1.777	269.104	22.103	8.676	27.571	13.623	612.333
	विन्ध्य एमटीपीएस II	Vindhyaachal STPS-II	276.494	58.017	87.776	0.704	105.968	4.496	2.830	10.024		276.494
	विन्ध्य एमटीपीएस III	Vindhyaachal STPS- III	638.541	139.025	156.147	76.620	209.135	9.083	8.002	25.063		638.541
	विन्ध्य एमटीपीएस IV	Vindhyaachal STPS- IV	562.909	109.716	165.064	32.951	201.253	10.072	8.079	29.543		562.909
	कवास गैस	Kawas GPP**	167.129	72.876	2.060	0.000	52.549	0.000	9.108	30.536	0.000	167.129
	गंधार गैस	Gandhar GPP**	19.664	11.536	0.471	0.000	4.642	0.051	0.426	2.538	0.000	19.664
	सीपत	Sipat	1649.993	384.487	303.498	283.613	535.287	23.991	21.285	72.693		1649.993
	काकरापार	Kakrapar APS*	145.773	41.413	36.824	0.000	49.810	5.304	2.750	4.147	5.525	145.773
	तारपुर 3 और 4	Tarapur APS 3&4*	729.805	185.154	156.088	32.435	296.085	9.740	8.628	28.796		729.805
(ब)	समर्पित केंद्रीय विजलीघर	B. Dedicated CG Stations										
	इंदिरा सागर	Indira Sagar*	471.070		471.070							471.070
					15.466	RPPC(NVNL)	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*	84.090	42.045	0.000	0.000	42.045	0.000	0.000	0.000		84.090
	एसएसपी	SSP*	185.276	29.644	105.608	0.000	50.025	0.000	0.000	0.000		185.276
	पेन्च	Pench*	14.870	0.000	9.913	0.000	4.957	0.000	0.000	0.000		14.870
	कुल ई सागर को छोड़ कर	Total (excl. Ind. Sagar)	11304.958	2228.465	2545.087	662.511	2760.152	221.295	152.650	343.186	2391.614	11304.958
		* Actual injection										
Note:- \$ These Scheduled Transactions are done by WRLDCL under STOA.												
3												
3 अंतरक्षेत्रीय विनिमयों / द्विपक्षीय विनिमयों की शेड्यूल (मि बुनिनि)												
Schedule for interregional exchanges/bilateral exchanges (MUs)												
क	क्षेत्र / राज्य	Region/State	शेड्यूल	गुज्रविनिनि	मर्चिउरक	छराविो	मराविउरक	गोवा	दमन दीव	दा न ह	एचवीडीएम	कुल
			Schedule	GUVNL	MPPGCL	CSEB	MSPGCL	GOA	DD	DNH	HVDC	TOTAL
क	पूरी क्षेत्र के माते आयत शेड्यूल	Import SDLS through ER	219.233									
		Indian Energy Exchange (ER to WR)		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	441.964
		Power Exchange of India (ER to WR)		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.631
		ER (NTPC)		33.513	40.702	15.811	82.178	0.000	1.363	2.097		175.663
		DVC to MPPPTCL (Long Term Open Access)		0.000	177.160	0.000	0.000	0.000	0.000	0.000		177.160
		Hirakud to CSEB		0.000	0.000	1.354	0.000	0.000	0.000	0.000		1.354
		APL1 GUVNL to APPCC (AEL)		-0.586	0.000	0.000	0.000	0.000	0.000	0.000		-0.586
		EPGL GUVNL to APPCC (INSTINCT)		-0.302	0.000	0.000	0.000	0.000	0.000	0.000		-0.302
		JPL-II to APPCC (KISPL)		0.000	0.000	-68.109	0.000	0.000	0.000	0.000		-68.109
		MPPMCL MPSEB to APPCC (MANIKARAN)		0.000	-3.784	0.000	0.000	0.000	0.000	0.000		-3.784
		APL1 GUVNL to BIHAR (AEL)		-9.312	0.000	0.000	0.000	0.000	0.000	0.000		-9.312
		APL2 GUVNL to BIHAR (AEL)		-68.989	0.000	0.000	0.000	0.000	0.000	0.000		-68.989
		KWPCL to BIHAR (IEXL)		0.000	0.000	-0.430	0.000	0.000	0.000	0.000		-0.430
		MPPMCL MPSEB to BIHAR (IEXL)		0.000	-1.000	0.000	0.000	0.000	0.000	0.000		-1.000
		JITPL to BALCO (BALCO)		0.000	0.000	6.000	0.000	0.000	0.000	0.000		6.000
		JPL-STG-I to CESC (NVVNL)		0.000	0.000	-0.393	0.000	0.000	0.000	0.000		-0.393
		JPL-II to CESC (NVVNL)		0.000	0.000	-0.887	0.000	0.000	0.000	0.000		-0.887
		JPL-II to JSEB(ER) (IEXL)		0.000	0.000	-0.300	0.000	0.000	0.000	0.000		-0.300
		Durgapur to MP (LTOA)		0.000	26.681	0.000	0.000	0.000	0.000	0.000		26.681
		CSEB to KSEB (NVVNL)		0.000	0.000	-42.628	0.000	0.000	0.000	0.000		-42.628
		JPL-STG-I to KSEB (NVVNL)		0.000	0.000	-0.105	0.000	0.000	0.000	0.000		-0.105
GMR KAMALANGA to MSEB (PXIL)		0.000	0.000	0.000	8.755	0.000	0.000	0.000		8.755		
JITPL to MSEB (IEXL)		0.000	0.000	0.000	3.100	0.000	0.000	0.000		3.100		

		JITPL to MSEP (PXIL)	0.000	0.000	0.000	11.770	0.000	0.000	0.000		11.770
		APL1 GUVNL to MANIPUR (MPPL)	-12.236	0.000	0.000	0.000	0.000	0.000	0.000		-12.236
		STERLITE to STL MSEP (STL MSEP)	0.000	0.000	0.000	9.254	0.000	0.000	0.000		9.254
		STERLITE to SHENDRA MSEP (SHENDRA MSEP)	0.000	0.000	0.000	1.348	0.000	0.000	0.000		1.348
		JPL-II to TNEB (JPL-STG-I)	0.000	0.000	-0.100	0.000	0.000	0.000	0.000		-0.100
		APL2 GUVNL to TGPC (NVVNL)	-9.995	0.000	0.000	0.000	0.000	0.000	0.000		-9.995
		JPL-II to TGPC (NVVNL)	0.000	0.000	-116.929	0.000	0.000	0.000	0.000		-116.929
		EMCO to TSSPDCL (GMRETL)	0.000	0.000	0.000	-7.458	0.000	0.000	0.000		-7.458
		STERLITE to TELD GUVNL (NVVNL)	17.304	0.000	0.000	0.000	0.000	0.000	0.000		17.304
		STERLITE to VFL MPSEB (TPTCL)	0.000	0.249	0.000	0.000	0.000	0.000	0.000		0.249
		JPL-II to WBSEB (PTC LTD)	0.000	0.000	-3.693	0.000	0.000	0.000	0.000		-3.693
		JNSTPP to WBSEB (PTC LTD)	0.000	-26.743	0.000	0.000	0.000	0.000	0.000		-26.743
		MPSEB to WBSEB (IEXL)	0.000	-0.200	0.000	0.000	0.000	0.000	0.000		-0.200
		MPPMCL MPSEB to WBSEB (IEXL)	0.000	-0.200	0.000	0.000	0.000	0.000	0.000		-0.200
		MPPMCL MPSEB to WBSEB (PTC LTD)	0.000	-294.623	0.000	0.000	0.000	0.000	0.000		-294.623

		शेड्यूल	गुजरात	मप्रविउके	छत्ता	मराठविउके	गोवा	दमन दीव	दा न ह	एचवीडीसी	कुल	
क्षेत्र / राज्य		Region/State	Schedule	GUUVNL	MPPGCL	CSEB	MSPGCL	GOA	DD	DNH	HVDC	TOTAL
ख	दक्षिण क्षेत्र के राज्य	Import SDLs through SR	-336.495									
	आयात शेड्यूल	Indian Energy Exchange (SR to WR)		0.000	0.000	0.000	0.000	0.000	0.000	0.000		24.734
		Power Exchange of India (SR to WR)		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
		APL1 GUVNL to APPCC (AEL)		-3.789	0.000	0.000	0.000	0.000	0.000	0.000		-3.789
		EPGL GUVNL to APPCC (INSTINCT)		-1.951	0.000	0.000	0.000	0.000	0.000	0.000		-1.951
		JPL-II to APPCC (KISPL)		0.000	0.000	-19.509	0.000	0.000	0.000	0.000		-19.509
		MPPMCL MPSEB to APPCC (MANIKARAN)		0.000	-24.388	0.000	0.000	0.000	0.000	0.000		-24.388
		RSTPS-SR to GOA (WHEELING)		0.000	0.000	0.000	0.000	0.141	0.000	0.000		0.141
		CSEB to KSEB (NVVNL)		0.000	0.000	-1.364	0.000	0.000	0.000	0.000		-1.364
		JPL-II to TNEB (JPL-STG-I)		0.000	0.000	0.000	-1.160	0.000	0.000	0.000		-1.160
		JPL-II to TGPC (NVVNL)		0.000	0.000	-17.690	0.000	0.000	0.000	0.000		-17.690
		EMCO to TSSPDCL (GMRETL)		0.000	0.000	0.000	-3.896	0.000	0.000	0.000		-3.896
		KSK TO TGPC		0.000	0.000	-139.453	0.000	0.000	0.000	0.000		-139.453
		LANCO TO TNEB		0.000	0.000	-36.570	0.000	0.000	0.000	0.000		-36.570
		JPL-II to TNEB		0.000	0.000	-111.600	0.000	0.000	0.000	0.000		-111.600

ग	उत्तरी क्षेत्र के राज्य	Import SDLs through NR	-170.376									
	आयात शेड्यूल	Indian Energy Exchange (NR to WR)		0.000	0.000	0.000	0.000	0.000	0.000	0.000		22.690
		Power Exchange of India (NR to WR)		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.003
		Rihand (Hydro) to MPPTCL (Long Term Open Access)		0.000	8.649	0.000	0.000	0.000	0.000	0.000		8.649
		Matathilla (Hydro) to MPPTCL (Long Term Open Access)		0.000	0.633	0.000	0.000	0.000	0.000	0.000		0.633
		MPPMCL MPSEB to BSES_RAJ (MPPL)		0.000	-10.729	0.000	0.000	0.000	0.000	0.000		-10.729
		MPPMCL MPSEB to BSES_YM (DTL)-NR (MPPL)		0.000	-9.174	0.000	0.000	0.000	0.000	0.000		-9.174
		TPPTCL_DHPPB to ESPF MSEP (TPTCL)		0.000	0.000	0.000	0.264	0.000	0.000	0.000		0.264
		JITPL to ESIL_WR (PXIL)		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
		TPPTCL_DHPPB to ESIL_WR (TPTCL)		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
		JITPL to ESIL MSEP (TPTCL)		0.000	0.000	0.000	0.088	0.000	0.000	0.000		0.088
		TPPTCL_DHPPB to ESIL MSEP (TPTCL)		0.000	0.000	0.000	7.203	0.000	0.000	0.000		7.203
		MPPMCL MPSEB to HARIYANA (HARIYANA)		0.000	0.000	0.000	-62.670	0.000	0.000	0.000		-62.670
		GMR KAMALANGA to MSEP (PXIL)		0.000	0.000	0.000	12.884	0.000	0.000	0.000		12.884
		JITPL to MSEP (PXIL)		0.000	0.000	0.000	32.563	0.000	0.000	0.000		32.563
		JPL-II to NPCL (NPCL)		0.000	0.000	-0.179	0.000	0.000	0.000	0.000		-0.179
		JPL-II to NPCL (SCL)		0.000	0.000	-0.900	0.000	0.000	0.000	0.000		-0.900
		MPPMCL MPSEB to PSEB-NR (PSEB-NR)		0.000	-124.233	0.000	0.000	0.000	0.000	0.000		-124.233
		MPPMCL MPSEB to TPDL_DTL (MPPL)		0.000	-20.946	0.000	0.000	0.000	0.000	0.000		-20.946
		MPPMCL MPSEB to TPDL_DTL (PTC LTD)		0.000	-5.283	0.000	0.000	0.000	0.000	0.000		-5.283
		TISCO to TSLB MSEP (TSLB MSEP)		0.000	0.000	0.000	6.696	0.000	0.000	0.000		6.696
		JNSTPP to UPCL-NR (PTC LTD)		0.000	-27.935	0.000	0.000	0.000	0.000	0.000		-27.935

घ	द्विपक्षीय शेड्यूल	Exchanges within WR										
		Mundra APL to Gujarat (LTOA)		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
		JPL-II to ARVIND GUVNL (MPPL)		4.464	0.000	0.000	0.000	0.000	0.000	0.000		4.464
		APL1 GUVNL to ATLAS MSEP (MANIKARAN)		0.000	0.000	0.000	1.183	0.000	0.000	0.000		1.183
		APL1 GUVNL to ALICON MSEP (MANIKARAN)		0.000	0.000	0.000	1.523	0.000	0.000	0.000		1.523
		APL1 GUVNL to ADLABS MSEP (MANIKARAN)		0.000	0.000	0.000	1.057	0.000	0.000	0.000		1.057
		JNSTPP to BEST MSEP (PTC LTD)		0.000	0.000	0.000	31.499	0.000	0.000	0.000		31.499
		JNSTPP to BEST MSEP (SCL)		0.000	0.000	0.000	31.499	0.000	0.000	0.000		31.499
		JPL-II to BLVL MSEP (MPPL)		0.000	0.000	0.000	0.870	0.000	0.000	0.000		0.870
		ACBIL to CSEB (CSPTDCL CSEB)		0.000	0.000	8.247	0.000	0.000	0.000	0.000		8.247
		JPL-II to CSEB (CSPTDCL CSEB)		0.000	0.000	20.757	0.000	0.000	0.000	0.000		20.757
		KWPCL to CSEB (CSPTDCL CSEB)		0.000	0.000	1.944	0.000	0.000	0.000	0.000		1.944
		JPL-II to CEAT MSEP (MPPL)		0.000	0.000	0.000	3.622	0.000	0.000	0.000		3.622
		APL1 GUVNL to CHLM GUVNL (AEL)		2.266	0.000	0.000	0.000	0.000	0.000	0.000		2.266
		JPL-II to CSL MSEP (MPPL)		0.000	0.000	0.000	1.224	0.000	0.000	0.000		1.224
		JPL-STG-I to CCIPL MSEP (MPPL)		0.000	0.000	0.000	1.378	0.000	0.000	0.000		1.378
		JPL-II to DIPL MSEP (MPPL)		0.000	0.000	0.000	0.719	0.000	0.000	0.000		0.719
		JPL-II to EILR MSEP (MPPL)		0.000	0.000	0.000	1.187	0.000	0.000	0.000		1.187
		JPL-II to ETCO MSEP (MPPL)		0.000	0.000	0.000	1.347	0.000	0.000	0.000		1.347
		JPL-STG-I to EPL MSEP (MPPL)		0.000	0.000	0.000	1.176	0.000	0.000	0.000		1.176
		JCFPL GUVNL to SOLAR GOA (NVVNL)		-0.889	0.000	0.000	0.000	0.889	0.000	0.000		0.000
		JPL-II to GIPL MSEP (MPPL)		0.000	0.000	0.000	5.483	0.000	0.000	0.000		5.483
		JPL-II to GPII MSEP (MPPL)		0.000	0.000	0.000	0.730	0.000	0.000	0.000		0.730
		JPL-II to GWRLHP MSEP (MPPL)		0.000	0.000	0.000	0.870	0.000	0.000	0.000		0.870
		JPL-II to GWRLHW MSEP (MPPL)		0.000	0.000	0.000	1.428	0.000	0.000	0.000		1.428
		JPL-II to GIPL2 MSEP (MPPL)		0.000	0.000	0.000	2.024	0.000	0.000	0.000		2.024
		JPL-II to GTNIL MSEP (MPPL)		0.000	0.000	0.000	2.358	0.000	0.000	0.000		2.358
		JPL-II to GTNEL MSEP (MPPL)		0.000	0.000	0.000	2.098	0.000	0.000	0.000		2.098
		JPL-II to INDOFIL MSEP (MPPL)		0.000	0.000	0.000	1.123	0.000	0.000	0.000		1.123
		JPL-II to JSSSGL_C MSEP (MPPL)		0.000	0.000	0.000	1.265	0.000	0.000	0.000		1.265

	JPL-II to JSSGL MSEB (MPPL)	0.000	0.000	0.000	1.614	0.000	0.000	0.000	1.614			
	JPL-II to KOIPL MSEB (MPPL)	0.000	0.000	0.000	0.842	0.000	0.000	0.000	0.842			
	JPL-STG-1 to KHLL MSEB (MPPL)	0.000	0.000	0.000	0.799	0.000	0.000	0.000	0.799			
	APL1 GUVNL to MSEB (AEL)	0.000	0.000	0.000	7.100	0.000	0.000	0.000	7.100			
	APL2 GUVNL to MSEB (AEL)	0.000	0.000	0.000	8.657	0.000	0.000	0.000	8.657			
	APL3 GUVNL to MSEB (AEL)	0.000	0.000	0.000	7.285	0.000	0.000	0.000	7.285			
	JSPL_DCPP to MSEB (PXIL)	0.000	0.000	0.000	1.200	0.000	0.000	0.000	1.200			
	JPL-II to MSEB (PXIL)	0.000	0.000	0.000	14.400	0.000	0.000	0.000	14.400			
	KWPCL to MSEB (IEXL)	0.000	0.000	0.000	4.275	0.000	0.000	0.000	4.275			
	KWPCL to MSEB (PXIL)	0.000	0.000	0.000	7.200	0.000	0.000	0.000	7.200			
	MPSEB to MSEB (MPSEB)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
	MB_POWER to MSEB (IEXL)	0.000	0.000	0.000	0.900	0.000	0.000	0.000	0.900			
	JPL-II to MML MSEB (MPPL)	0.000	0.000	0.000	1.681	0.000	0.000	0.000	1.681			
	APL1 GUVNL to MDICPL GUVNL (AEL)	7.188	0.000	0.000	0.000	0.000	0.000	0.000	7.188			
	JPL-II to MHIL MSEB (MPPL)	0.000	0.000	0.000	1.733	0.000	0.000	0.000	1.733			
	JPL-II to MKAIPL MSEB (MPPL)	0.000	0.000	0.000	1.026	0.000	0.000	0.000	1.026			
	JPL-II to NITCO MSEB (MPPL)	0.000	0.000	0.000	1.733	0.000	0.000	0.000	1.733			
	JPL-II to NOCIL MSEB (MPPL)	0.000	0.000	0.000	1.912	0.000	0.000	0.000	1.912			
	JPL-STG-1 to NELK MSEB (MPPL)	0.000	0.000	0.000	2.654	0.000	0.000	0.000	2.654			
	EMCO TO DNH	0.000	0.000	0.000	0.000	0.000	0.000	135.380	135.380			
	TORRENT TO MP	0.000	10.374	0.000	0.000	0.000	0.000	0.000	10.374			
	EMCO TO MSEB	0.000	0.000	0.000	111.072	0.000	0.000	0.000	111.072			
	LANCO TO MP	0.000	182.398	0.000	0.000	0.000	0.000	0.000	182.398			
	JNSTPP to MP	0.000	175.094	0.000	0.000	0.000	0.000	0.000	175.094			
	MP TO TORRENT	7.756	0.000	0.000	0.000	0.000	0.000	0.000	7.756			
	NSPCL to DD (DD)	0.000	0.000	0.000	0.000	0.000	14.711	0.000	14.711			
	MSEB SOLAR TO CSEB SOLAR	0.000	0.000	2.583	-2.583	0.000	0.000	0.000	0.000			
	RAJ MP SOLAR TO CSEB SOLAR	0.000	-0.570	0.570	0.000	0.000	0.000	0.000	0.000			
	IEE	106.293	18.319	-157.296	353.475	10.537	32.485	42.632	597.505			
	PEI	10.763	0.000	3.386	0.000	0.000	0.000	0.000	14.149			
च	कुल आयात	Total Import	1166.120	189.548	640.258	60.652	801.328	11.567	48.558	180.109	1166.120	
	कुल निर्यात	Total Export	1453.759	108.049	549.808	718.134	77.767	0.000	0.000	0.000	1453.759	
	नेट आयात / निर्यात	Net Imp. (+)/Exp. (-)	-287.638	81.499	90.450	-657.482	723.561	11.567	48.558	180.109	-287.638	
4	अंतरक्षेत्रीय और द्विपक्षीय विनमयों को निहयुल मिलाकर कुल पावना	Total Entitlement incl. IR and bi-lateral exchange schedule	कुल	गुडविलिनि	मरविउक	छगविउ	मरविउक	गुग	दमन दीव	दा न ह	एचवीडीएम	कुल
			Total	GUVNL	MPPGCL	CSEB	MSPGCL	GOA	DD	DNH	HVDC	TOTAL
			13467.741	3223.756	3108.801	59.269	4055.578	265.390	246.160	626.800	14.903	13467.741
5	को कुल निहयुल	Total Sdl. incl. IR/ bi-lateral exch. Sdl.	9417.500	1638.540	2530.500	733.350	3503.980	313.650	194.410	503.070	13.623	9417.500
6	बिना क्षति के कुल ड्रावल	Total Drl excl. Tr. Loss	9262.910	1534.160	2468.040	776.960	3470.370	312.504	201.760	497.680	1.436	9262.910
7	क्षति मिलाकर कुल ड्रावल	Total Drl incl. Tr. Loss	10080.190	1595.526	2566.762	808.038	3609.185	325.004	209.830	517.587	1.436	9633.369
8	प पणालों में कुल पूल क्षति	Pooled loss in WR System										817.280
9	वास्तविक इन्जेक्शन (मि युनिट्स)	Actual Inj. - WR Stns. (MUs)	कोरवा	विन्ध 1 और 2	विन्ध 3	कवाय	गंधार	काकरापार	तागपुर	एएएमपी	पंच	कुल
			KSTPS	VSTPS-1& 2	VSTPS-3	KGPS	GGPS	KAPS	TAPS	SSP	PENCH	TOTAL
			1501.480	898.972	1197.528	158.133	14.955	145.773	813.894	185.276	14.870	13186.979
10	वास्तविक अंतरक्षेत्रीय विनिमय (मि युनिट्स)	Actual IR Exchanges (MUs)	उ क्षेत्र आ	उ क्षेत्र को नि	उ क्षेत्र नेट	द क्षेत्र आ	द क्षेत्र निर्यात	द क्षेत्र नेट	पू क्षेत्र आ	पू क्षेत्र निर्यात	पू क्षेत्र नेट	कुल नेट
			NR Imp	NR Exp	NR Net	SR Imp	SR Exp	SR Net	ER Imp	ER Exp	ER Net	Total Net
			0.127	2479.600	-2479.473	0.123	865.783	-865.660	252.571	14.227	238.344	-3106.789
11	अंतरक्षेत्रीय विनिमय निहयुल (मि युनिट्स)	IR Exchange Schedule (MUs)	NRI sdl	NRE sdl	Net NR sdl	SRI sdl	SREsdl	Net SR sdl	ERI sdl	ERE sdl	Net ER sdl	Net WR sdl
			12.378	2763.814	-2751.436	270.615	1341.505	-1070.890	219.233	61.556	157.677	-3664.648

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

क्रमांक	From/ To	गुऊविनिनि	मप्रविउकलि	छगविवो	मगविउकलि	गोवा	दमन दीव	दा न ह	इस्सार	उ क्षेत्र	द क्षेत्र	पू क्षेत्र	पश्चिम क्षेत्र	कुल
A	Interstate/Inter-regional Schedules included in ISGS	GUVN	MPPGCL	CSEB	MSPGCL	GOA	DD	DNH	ESIL	NR	SR	ER	WR	TOTAL
1	गुऊविनिनि GUVNL		10.374			0.889								11.263
2	मप्रविउकलि MPPGCL	7.756		0.570										8.326
3	छगविवो CSEB													0.000
4	मगविउक लि MSPGCL			2.583										2.583
5	गोवा GOA													0.000
6	दा न ह DNH													0.000
7	कोरवा KORBA-III													0.000
8	JPL	4.464		20.757	58.501									83.722
9	अडानी पावर APL	2.265			26.804									29.069
10	ESSAR MAHAN													0.000
11	JAYPEE													0.000
12	लेनको Lanco -Pathadi		182.398											182.398
13	ACBIL			8.247										8.247
14	KSK MAHANADI													0.000
15	JNSTPP(NIGRIE)		175.094		62.996									238.090
16	MB POWER				0.900									0.900
17	DB POWER													0.000
18	KWPCL			1.944	11.475									13.419
19	VANDANA													0.000
20	EMCO				111.072			135.380						246.452
21	ESIL													0.000
22	NSPCL						14.711							14.711
23	उत्तरी क्षेत्र N.Region (WR end)												0.127	0.127
24	दक्षिणी क्षेत्र S. Region (S. Bus)												0.123	0.123
25	पूर्वी क्षेत्र E. Region (WR end)												252.571	252.571
26	प क्षेत्र W.Region (WR end)								#####	865.783	14.227			3359.610
27	एनटीपीसी NTPC Injection													5419.168
28	एनपीसी NPC Injection													959.668
29	Total ISGS drawal from the Grid incl. interregional/ bi-lateral	1595.526	2566.762	808.038	3609.185	325.004	209.830	517.587						
B	Interstate/IR Exchanges not included in ISGS													
20	कर्नाटक Karnataka					53.152								53.152
21	यूपीपीसीएल UPPCL		0.000											0.000
22	आरवीपीएनएल RVPNL		-9.83											-9.830
23	UPPCL (Excess Drawn From Rajghat		0.250											0.250
24	कोटा उज्जैन Kota - Ujjain		0.000											0.000
25	कुल व Total B (13 to 17)	0.000	-9.580	0.000	0.000	53.152	0.000	0.000						43.572
C	निवल विनिमय Net Exchange (12+18)	1595.526	2557.182	808.038	3609.185	378.156	209.830	517.587						9675.505
D	कुल आयात Total Imp. by WR													296.393
E	कुल निर्यात Total Export by WR													3359.610
F	निवल विनिमय Net Exchange (D-E)													-3063.217
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										232.438			232.438
31	पू क्षेत्र से द क्षेत्र को निर्यात पूक्षे से होकर ER export to SR via WR										38.178			38.178
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 जुलाई 2015 के अंत में पश्चिम क्षेत्र के मुख्य जलाशयों के स्तर
LEVEL OF MAJOR RESERVOIRS IN WESTERN REGION AT THE END OF MONTH OF JULY 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	93.60	399.00	253.50	649.07
1.2	पिछले वर्ष इस माह के अनुरूप आंकड़ें Corresponding Figure of the month Last Year	99.64	395.21	255.01	644.32

ANNEXURE-5

List of Grid Disturbances and Grid incidents (GD/GI) in July-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	Blackout at 220 kV Akrimota	GETCO	6-Jul-15	11:16	Load Loss :100 MW, Gen Loss: 250 MW	GD-1
2	Blackout at 220 kV Rajgarh-MP	MPPTCL	18-Jul-15	18:55	Load Loss :10 MW, Gen Loss: NIL MW	GD-1
3	Multiple line trippings between Gujarat & MP	GETCO/MPPTCL/P OWERGRID	18-Jul-15	15:14	Load Loss :NIL, Gen Loss: NIL	GI-2
4	Bus fault at 400kV Amerli	GETCO	22-Jul-15	6:21	Load Loss :NIL, Gen Loss: NIL	GI-2
5	Bus fault at 400 kV Itarsi	POWERGRID	25-Jul-15	11:05	Load Loss :NIL, Gen Loss: NIL	GI-1
6	HVDC Mundra-Mahendargarh Pole 1 & 2 Tripping	APL	26-Jul-15	22:26	Load Loss :NIL, Gen Loss: 1010 MW	GD-1
7	Bus fault at 220kV Vav	GETCO	27-Jul-15	21:25	Load Loss :NIL, Gen Loss: NIL	GI-1
8	NEW-SR Grid Desynchronisation	POWERGRID/RSTCL	28-Jul-15	11:51	Load Loss :NIL, Gen Loss: NIL	GI-2

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

S No	Utility	CC Location	Site ready for installation	Hardware supplied	Hardware installation	Commissioning Dates	SA T	Remark
1	WR-LDC	BCC Delhi	Yes	Yes	Start by 25th June 2015	Expected in July'15		DGM WRLDC informed that back up control centre for WRLDC New Delhi building would be ready by May 2015.
2	MPPTCL	BCC Bhopal	No	Yes	Pending	Expected in August'15		Representative from PGCIL informed that building construction is under progress and building would be ready by June end and installation can start in July 2015
3	GETCO	BCC Gandhi Nagar	Yes	Yes	Done	Done		CE (LD) informed that building is ready for installation
4	CSPTCL	BCC Bhilai	Within Few Days	Yes	Start by July 2015	Expected in July'15		CSPTCL informed that Backup SLDC Bhilai would be ready by 30th June 2015
5	GSED	BCC Cuncolim	Yes	Yes	In Progress	Expected in July'15		building ready , server panel installed, ups installation pending due to trench work, goa to update the status. Goa main control centre - minor civil work pending , goa to update ready ness
6	DDED	MCC Daman	Yes	Yes	Done	Done		DD main control centre- installation completed , communication link yet to be provided by POWERGRID.
7	DNHED	MCC Silvasa	Yes	Yes	Pending	Expected in Sep'15		DNH main control centre - building under construction , expected to be completed by July 2015

Note: Contract Valid Till 30-September 2015



पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड

(भारत सरकार का उद्यम)

POWER GRID CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)

आई.एस.ओ. 9001:2000 प्रमाणित • ISO 9001:2000 Certified



संप्रीति नगर, नारी रिंग रोड, डाकघर-उप्पलवाडी, नागपुर-440 026.

Sampriti Nagar, Nari Ring Road, P.O. Uppalwadi, NAGPUR-440 026.

दूरभाष / Phone : 0712-2641478-79, फॅक्स / Fax : 0712-2641366

E-mail : pgcil@nagpur.dotnet.in

पश्चिम क्षेत्र पारेषण प्रणाली-I क्षेत्रीय मुख्यालय / Western Region Transmission System - I, Regional Hqrs.

Ref.: POWERGRID/COMML/NGP/NTPC-SOL/1223

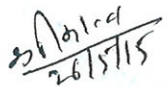
Dated: 26 May, 2015

NOTIFICATION OF DOCO

This is further to our Notification of Trial Operation Ref: WRTS-I/SOL/KPTL dated April 1, 2015. Consequent to the successful Trial Operation(WRLDC Letter dated 25.05.2015), following assets under "Transmission System for Solapur STPP(2x660MW)" have been put under Commercial Operation w.e.f 00.00 Hrs of Apr 3, 2015 in terms of clause 4 of CERC (Terms and Conditions of Tariff) Regulations, 2014

- Solapur (NTPC) - Solapur(PG) 400kV D/C (Quad) Line along with associated Bays at Solapur(PG)


In line with the agreed schedule for the purpose of indemnification entered between NTPC and POWERGRID, transmission charges for the above assets shall be initially borne by M/s NTPC Solapur till the commissioning of their 1st Generating unit and thereafter charges shall be billed in accordance to CERC "Sharing of Inter-State Transmission Charges and Losses 2010".


(S K GUPTA)

Executive Director, WR-I.

Distribution:

1. Member Secretary, WRPC
2. General Manager, WRLDC
3. All Beneficiaries in Western Region.
4. ED(Commercial),NTPC Ltd



AMENDEMENT-I TO ANNEXURE-XV TO INDEMNIFICATION AGREEMENT DTD. 15.03.2002

BETWEEN

NTPC LTD. AND POWERGRID

Agreed Schedule for the purpose of Indemnification

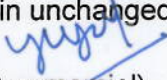
PROJECT: SOLAPUR (2X660MW)

- 1.0 Unit wise Commissioning Schedule of SOLAPUR Power Project (2x660MW):
Unit No.1 (660MW) - December, 2015
Unit No.2 (660MW) - June 2016
- 2.0 Components of Associated Transmission System (ATS) for Solapur Project (U# I)
i) Solapur STPP-Solapur (PG) 400kV D/c Line and associated bays
ii) Augmentation of 400/220kV ICT by 1x315 MVA(3rd) transformer at Solapur(PG)
- 3.0 Components of Associated Transmission System (ATS) for Solapur Project (U# II)
i) Solapur STPP - Solapur (PG) 400kV(Quad) 2nd D/c Line
- 4.0 Commissioning Schedule of ATS- Matching with commissioning schedule of respective generating units.
- 5.0 ZERO DATE
5.1 The Zero Date for the purpose of Indemnification for the system at 2.0 above shall be: 01.01.2016.
5.2 The Zero Date for the purpose of Indemnification for the system at 3.0 above shall be: 01.04.2017

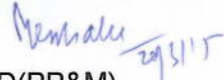
NOTE-

1. NTPC has informed that start-up power shall be required through 400kV D/c Solapur STPP-Solapur(PG) line by Aug.'14. In this regard, POWERGRID has agreed to expedite the implementation of this line and its associated bays to enable NTPC to draw start up power for the project. NTPC agrees to bear the transmission charges for 400kV D/c Solapur STPP- Solapur (PG) line and its associated bays, as determined by CERC from the date of actual Commercial Operation of the line till commissioning of 1st generating unit i.e. December, 2015 or actual, whichever is later.

2.This amendment in the Annexure - XV signed on 03/03/2013 to the IA dated 15/03/2002 has been agreed in view of revised ATS in the 36th Western Region Standing Committee Meeting held on 29/08/2013.The other terms and conditions shall remain unchanged.


ED(Commercial)
Powergrid
Date of Signing


ED(Commercial)
NTPC Ltd.


ED(PP&M)
NTPC Ltd.

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 13.05.2015AT 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	TO BE HELD ON 10.09.2015 AT WRPC MUMBAI	
23	ADANI POWER(TIRODA)	476	Oct-15		
24	NTPC SIPAT, CG	477	Nov-15		
25	TAPS-3&4	478	Dec-15		
26	CGPL	479	Jan-16		
27	NTPC Mouda	480	Feb-16		
28	KSK	481	Mar-16		
29	RELIANCE TRANSMISSION	482	Apr-16		
30	APL	483	May-16		
31	DNH	484	Jun-16		
32	NCA	485	Jul-16		
33	RATTAN INDIA POWER LTD	486	Aug-16		
34	KAPS	487	Sep-16		
35	RKM POWER GEN	488	Oct-16		
36	NHDC	489	Nov-16		
37	NTPC, Mumbai	490	Dec-16		
38	ADANI TRANSMISSION	491	Jan-17		
39	WRTS-II	492	Feb-17		
40	SUGEN (TPL)	493	Mar-17		
41	NTPC KORBA	494	Apr-17		
42	GOA	495	May-17		
43	JPL	496	Jun-17		

Status of Pilot Load Forecasting project for WR Utility as on July 15.

Latest status of WR states, as per telephonic with concern, are as under:

State	FSP allotted	Status
Gujarat	M/S TESLA	<p>Pilot Load Forecasting has initiated by M/S Tesla from 10.10.14 through online web based application and from 6/11/2014, revision through ftp access to Gujarat /Discom. However, again, some issues are addressed to the M/S TESLA. i.e. inappropriate sequence of Revision, improper Timing of revision etc. M/S TESLA is resolving the issue at their end. Meanwhile, accuracy are also ascertained on whatever available forecast data of M/S Tesla which found unsatisfactory especially during the festival of Diwali, cyclone threat, major gap are observed.</p> <p>Pilot project has completed on February 15. However, accuracy was not so satisfactory. now Gujarat is move forward for Pilot Load Forecasting with IIT B.</p>
Maharashtra	IIT, MUMBAI	<p>All details / data pertaining to the Pilot Load Forecasting have been provided by MH to IIT Mumbai. In response, IIT Mumbai is providing the forecast service to MH. The accuracy observed by Maharashtra are varies from 0.7 min to 14.18 & 15.44 max w.r.t inclusive load shedding & Without Load shedding subsequently.</p> <p>IIT Bombay has already submitted report of pilot project to Maharashtra SLDC.</p> <p>Reply from TATA-D:-Tata Power has already developed Load Forecasting software with the help of IIT Mumbai. It is use at Tata Power.</p> <p>Reply from R-INFRA-D: -R-INFRA-D have already implemented the Day ahead demand forecast System for RInfra System demand. System Demand data is taken from AMR system whereas SCADA data is also available as backup. We have tied up with Vendor for supply of forecast & actual weather parameters. The Accuracy level achieved is 97.3% on annual</p>

		<p>basis (i.e. MAPE= 2.7%).</p> <p>Reply from BEST:- BEST is not using the Pilot Load Forecasting Project. Till date, BEST's Day Ahead Load Forecasting is being done Manually.</p>
MP	M/S METEOLOGICA	<p>As informed earlier, Madhya Pradesh has already awarded the Load Forecasting project to M/S L&T InfoTech. Hence, M/S Meteologica FSP, allotted to MP, are not providing Pilot Load Forecasting service to Madhya Pradesh.</p>
Chhattisgarh	M/S METEOLOGICA	<p>As suggested by Gujarat SLDC, M/S Meteologica is agreed for the Pilot Load forecasting for Chhattisgarh. Mr. Rishi Tiwari, a representative of M/s Meteologica has contacted SLDC, Chhattisgarh for historical data. M/s Meteologica also ensure to start the work soon.</p> <p>After, deliberate discussion with M/s Meteologica and M/S L & T, Chhattisgarh has moved with M/S L & T for Load Forecasting.</p> <p>No further movement by Chhattisgarh.</p>
GOA	M/S MARCADOS	<p>Till today, Goa has not declared their coordinator for Pilot Load Forecasting Project. Even after so many times various officers of GOA are contacted but not responded. Hence it is requested to pl take up matter with higher officers of GOA from WRPC end. Further Marcodos has now closed and so they have to be provided new forecasting company.</p>
DD	IIT, GANDHINAGAR	<p>All details / data pertaining to the Pilot Load Forecasting have been provided by DD to IIT Gandhinagar. Recently, preliminary report from from IIT, Gandhinagar is received on 20 Dec 14.</p> <p>Only preliminary presentation is submitted by IIT Gandhinagar.</p>
DNH	IIT, GANDHINAGAR	<p>All details / data pertaining to the Pilot Load Forecasting have been provided by DD to IIT Gandhinagar. The reply from IIT Gandhinagar is awaited.</p>

Pilot load forecasting project by Gujarat and Maharashtra has completed. Madhya Pradesh has awarded to M/S L & T Info Tech. whereas, other WR state has no further change.



Power System Operation Corporation Ltd.

(A wholly owned subsidiary of Power Grid Corporation of India Ltd.)

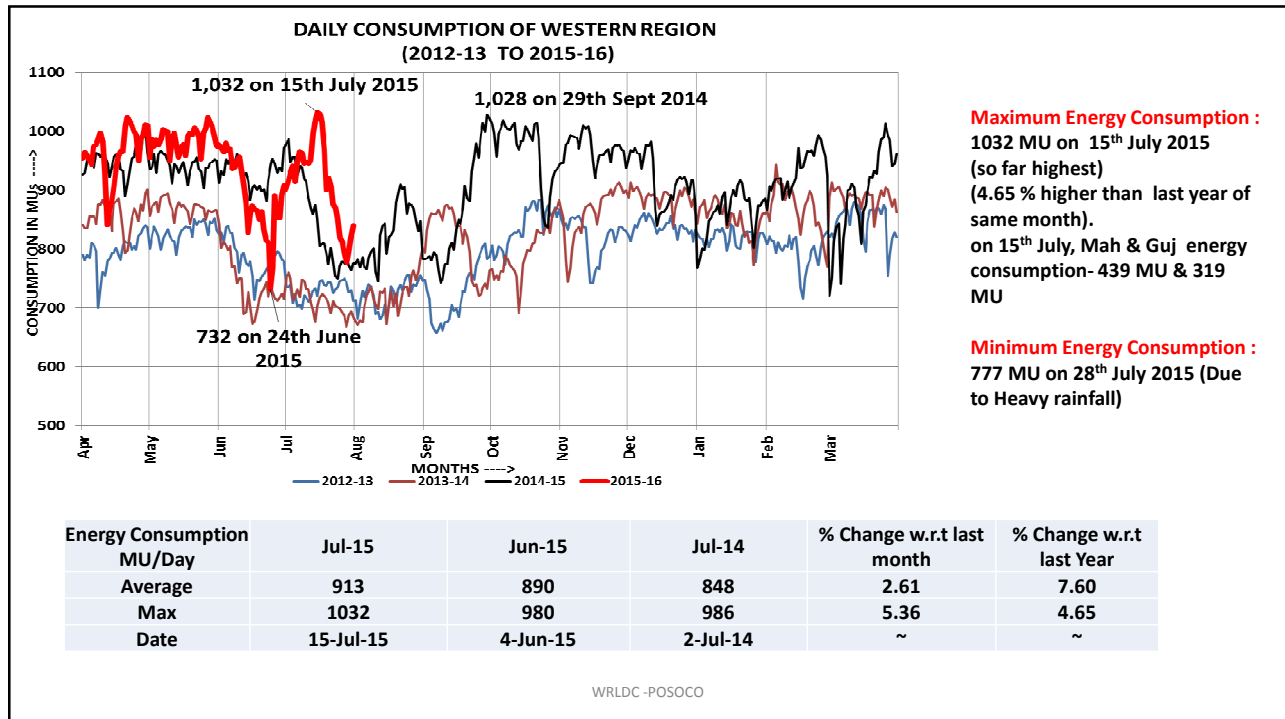
474th OCC Meeting

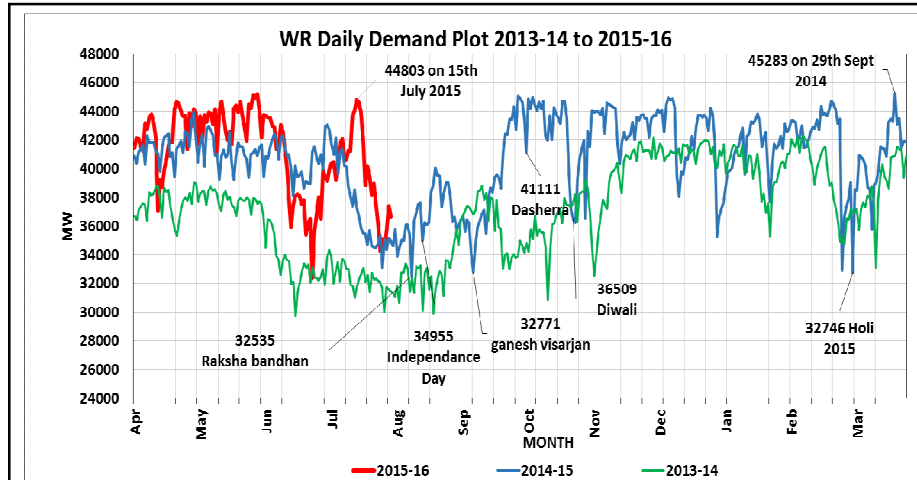


13th August, 2015

Grid Operation Highlights

WRLDC POSOCO





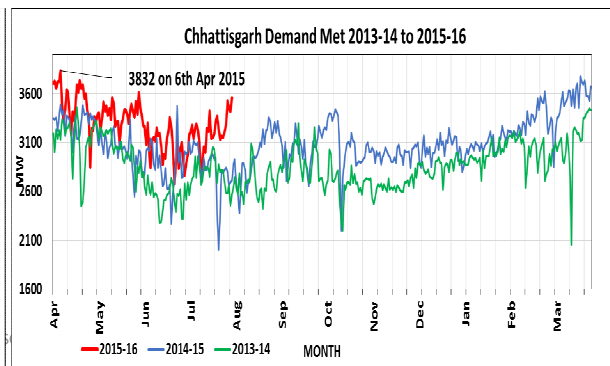
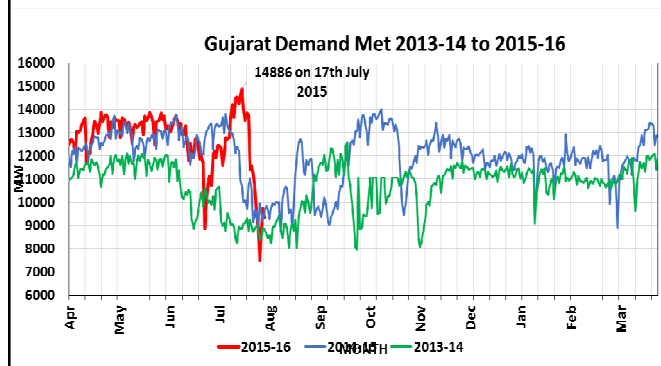
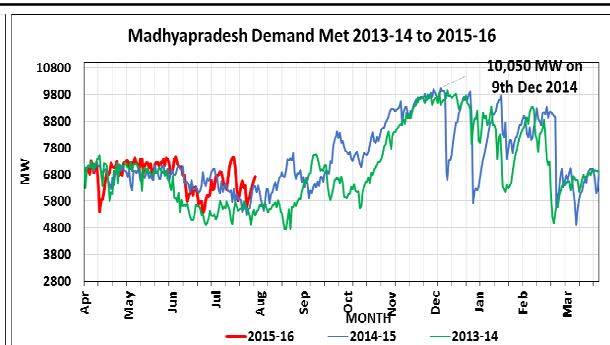
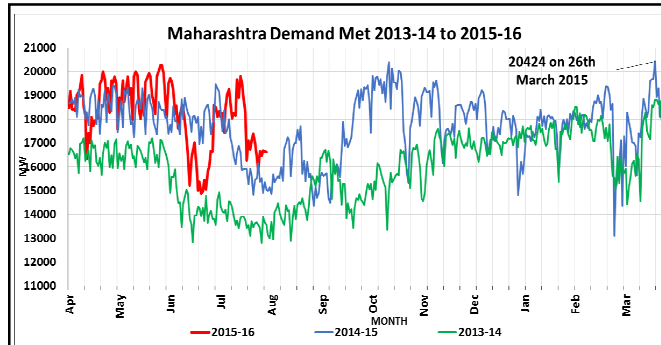
- Max Demand Met in July '15 was 44803 MW on 15th July 2015 increased by 4.11% compared to last year.
- Average demand met (hourly) in July '15 decreased by 7.06% compared to last year.

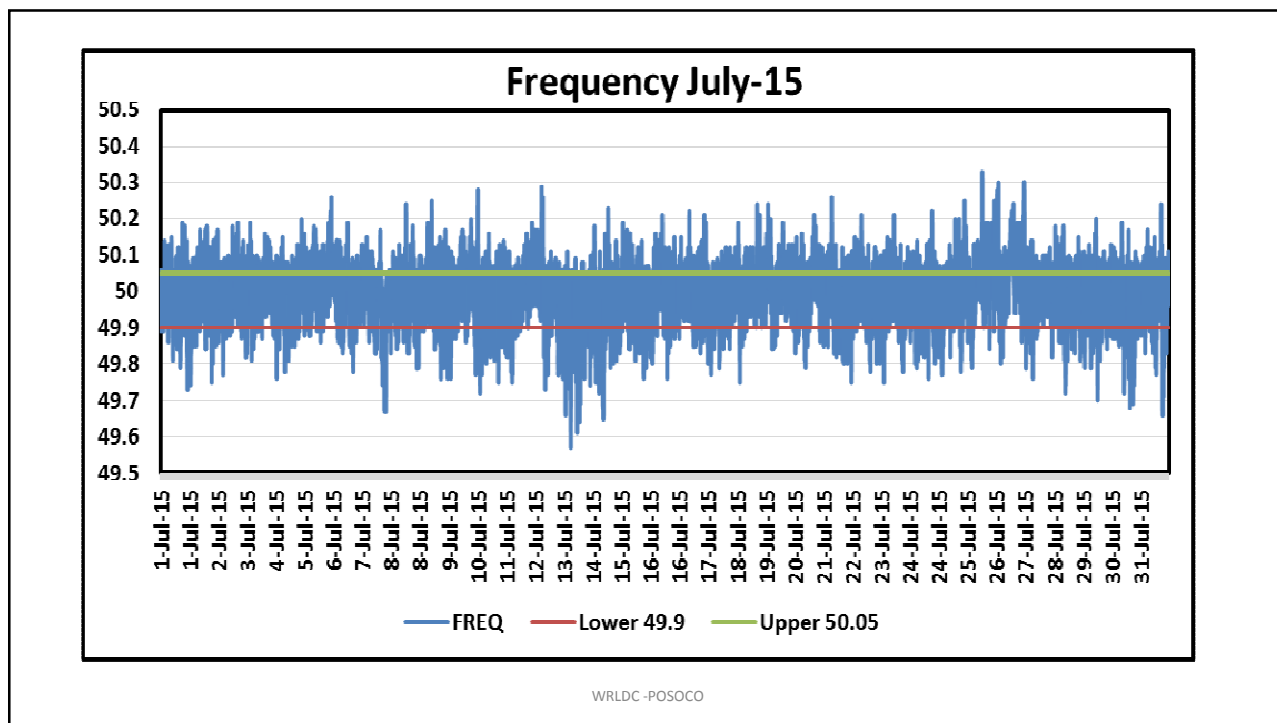
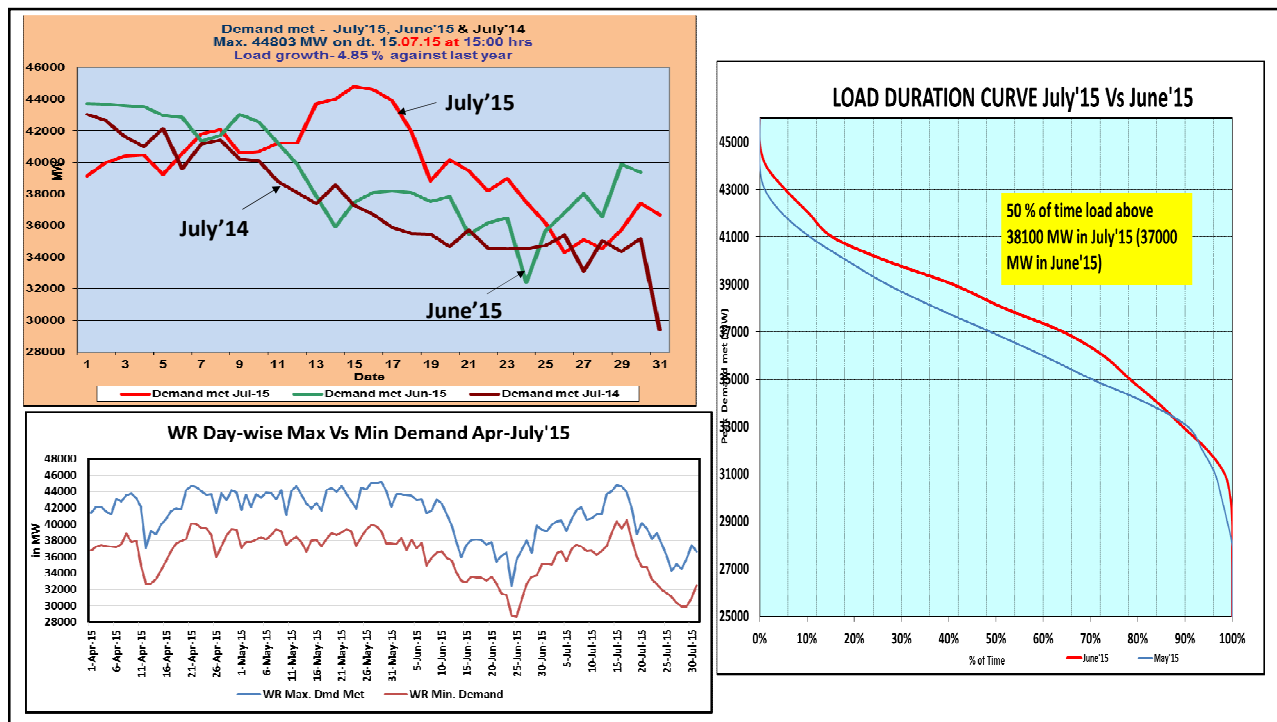
Demand Met	Jul-15	Jun-15	Jul-14	% Change w.r.t last month	% Change w.r.t last Year
Average	35352	37070	38037	-4.64	-7.06
Max	44803	43735	43034	2.44	4.11
Date when Max.	15-Jul-15	1-Jun-15	1-Jul-14	~	~

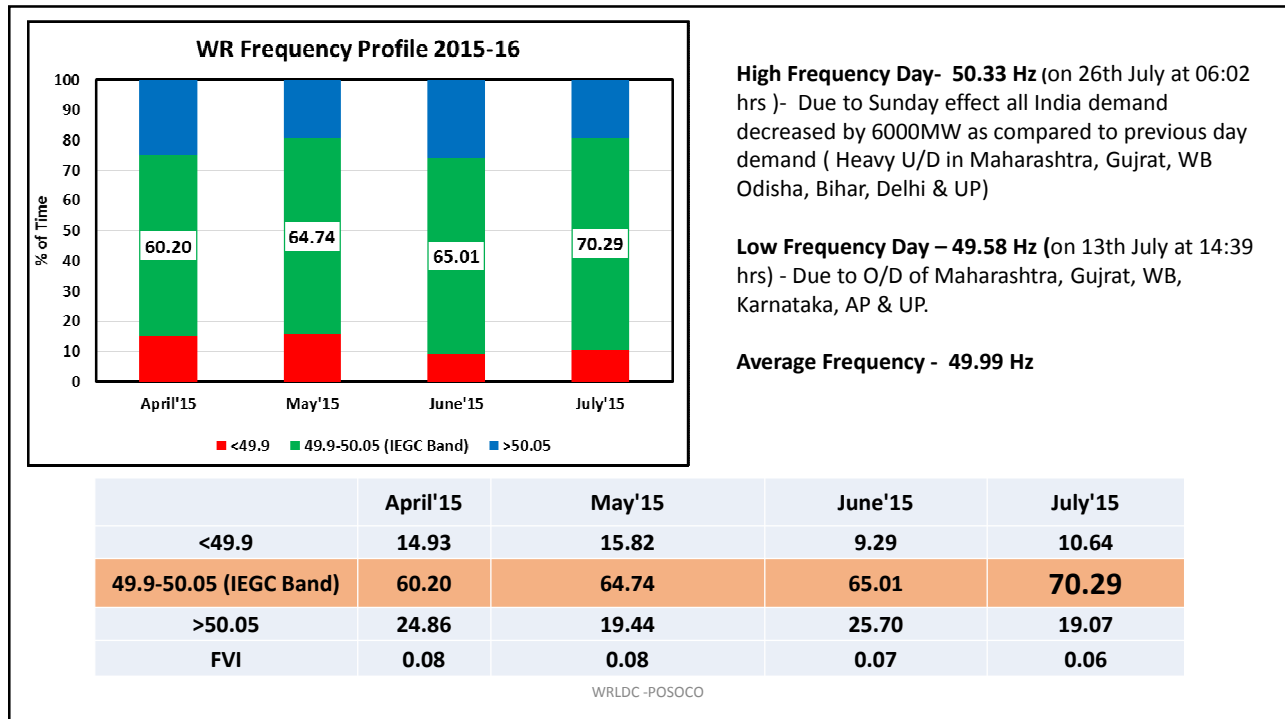
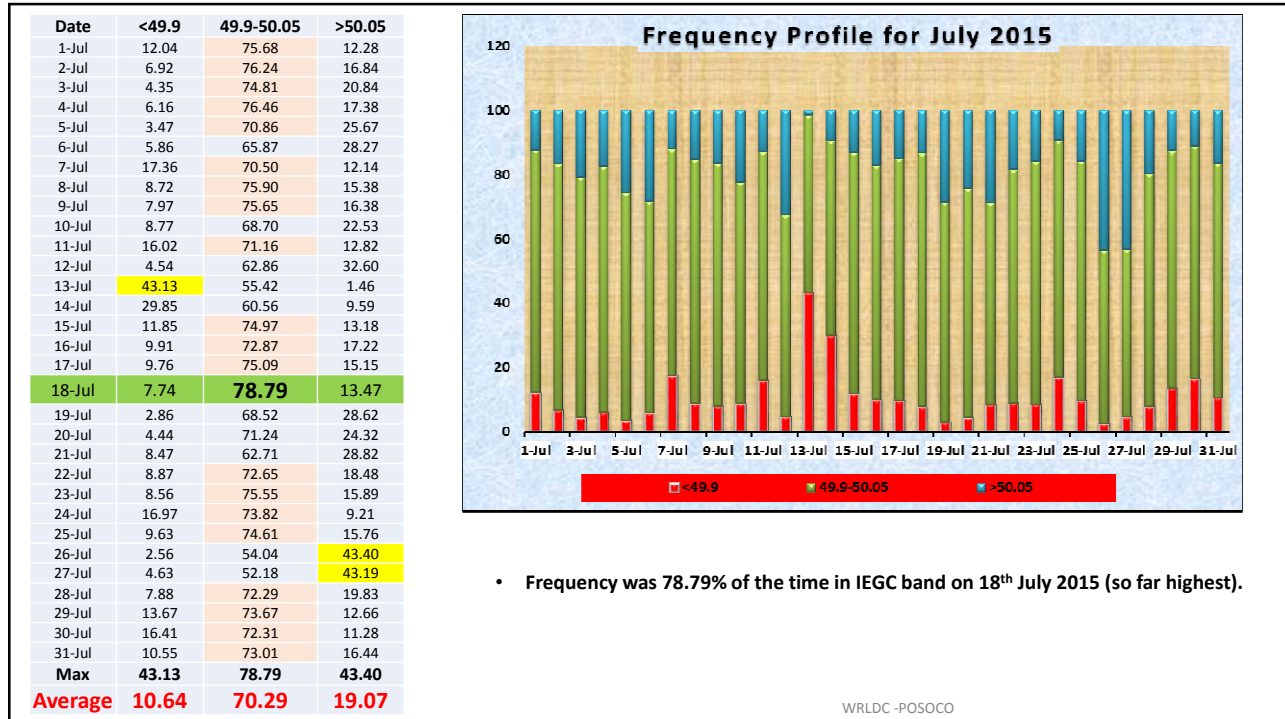
Regional Demand met

Max: 44803 MW on 15th July'15 at 15:00 hrs
Min: 29939 MW (28th July'15, 04:00 hrs)

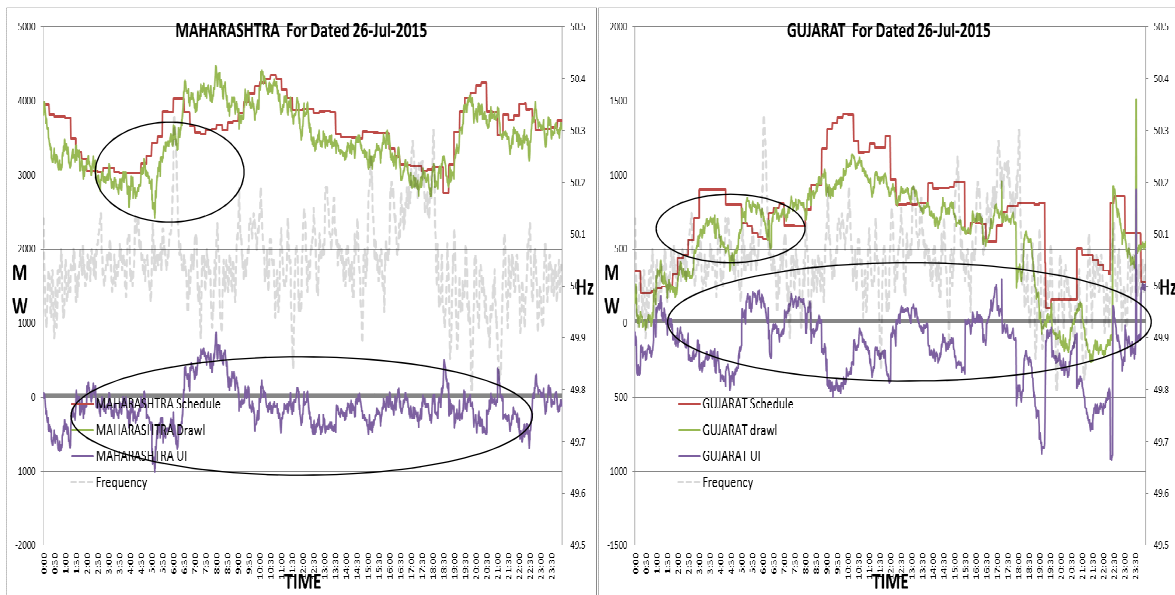
WRLDC -POSOCO



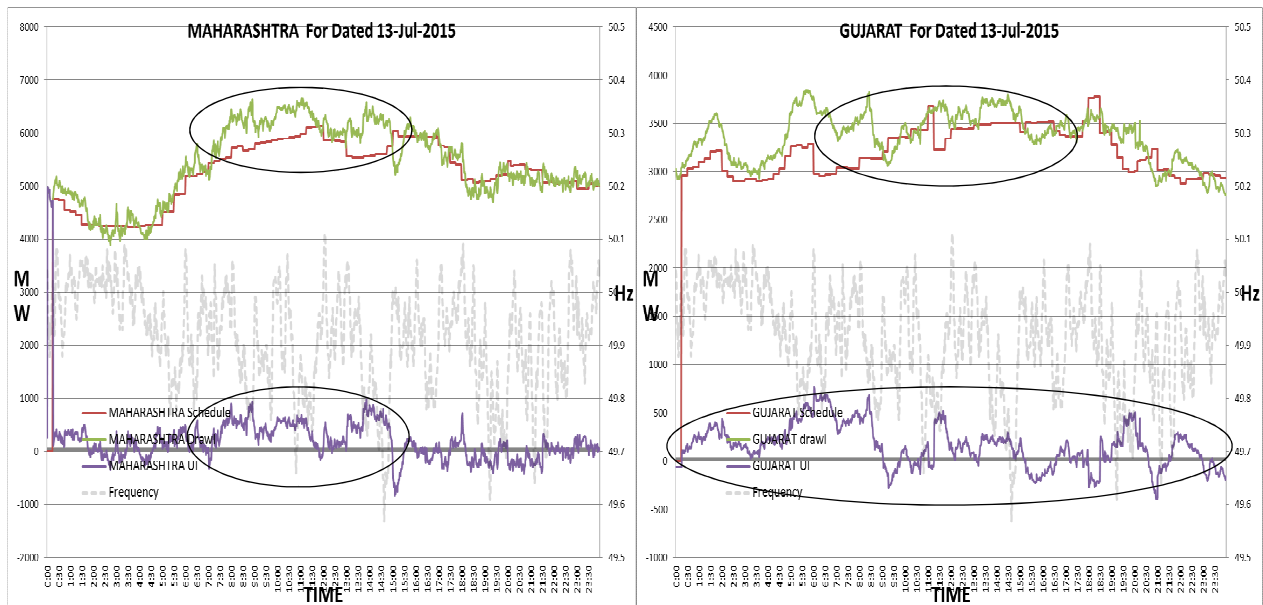




U/D by Maharashtra and Gujarat on High Frequency day-26th July 2015



O/D by Maharashtra and Gujarat on low Frequency day-13th July 2015



Renewable Installed Capacity in WR as on July-15

PLF For wind Gen

Constituent	Installed Capacity (MW)	Max Gen(MW)	Date/ Time of Max Gen	Energy Generation(MU)	PLF(%)
Gujarat	3581	2726	5 th July 2015 at 19:00	1188	46.08
Maharashtra	4369	2320	29 th July 2015 at 14:00	1156	36.75
Madhya Pradesh	901	569	4 th July 2015 at 09:00	212	32.7
WR	8851			2556	40.11

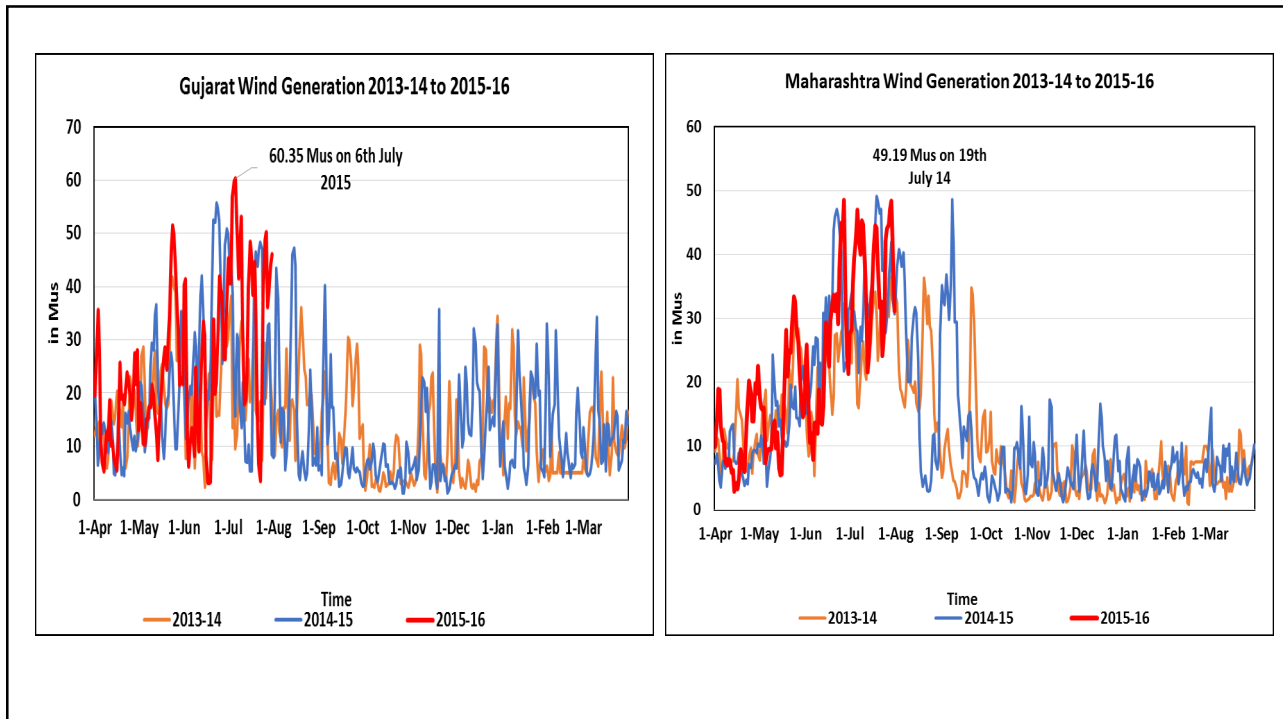
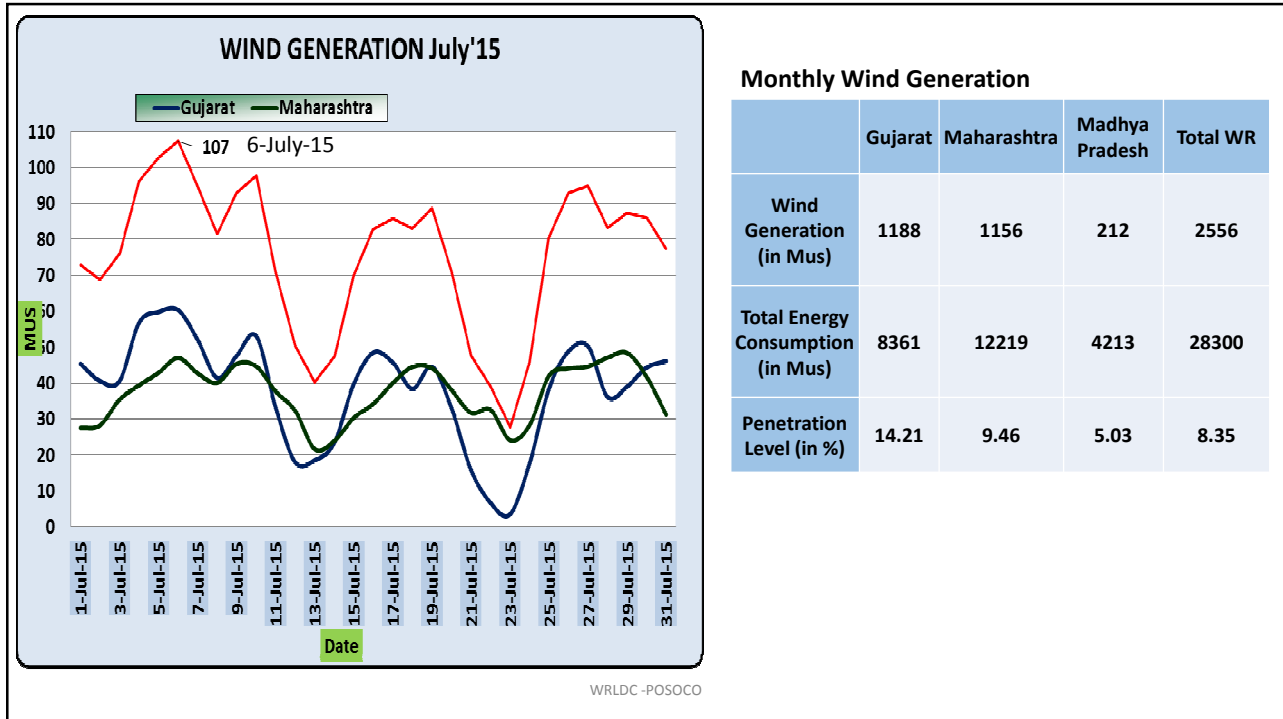
PLF For Solar Gen

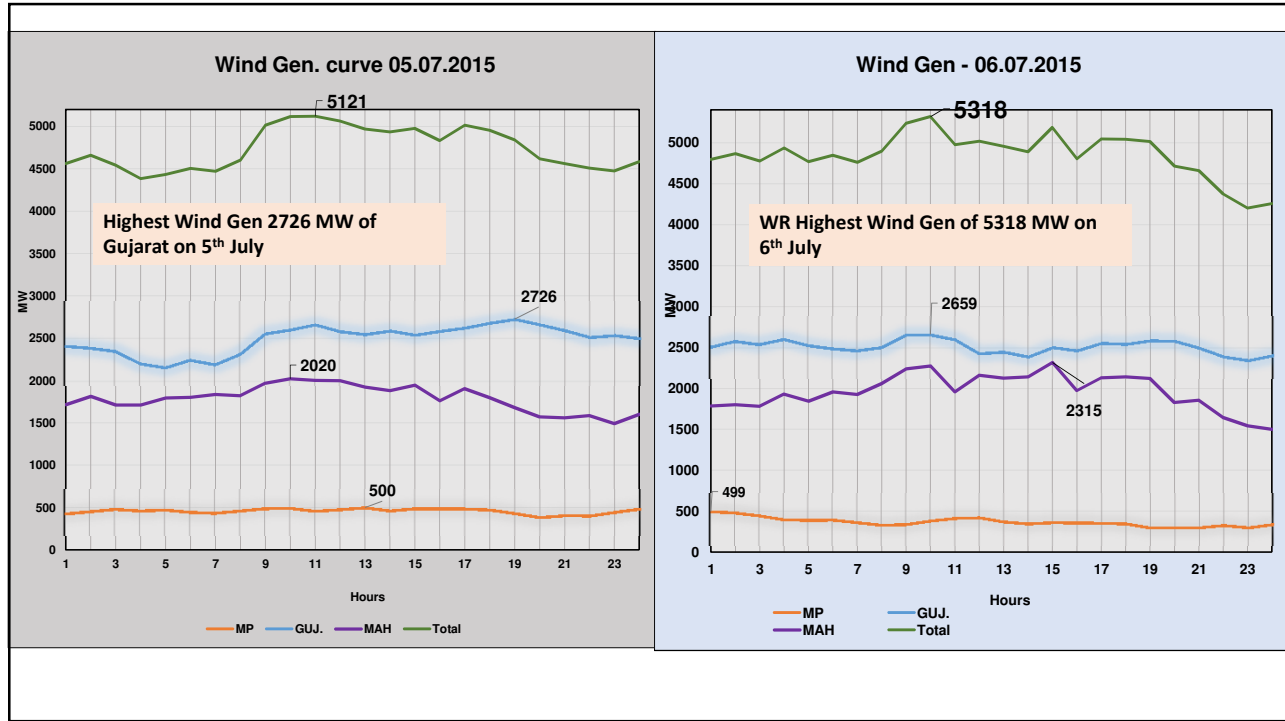
Constituent	Installed Capacity(MW)	Max Gen(MW)	Date/ Time of Max Gen	Energy Generation(MU)	PLF(%)
Gujarat	974	606	3 rd July 2015 at 14:00	95	13.55
Maharashtra	341	179	2 nd July 2015 at 13:00	29	11.95
Madhya Pradesh	572	452	4 th July 2015 at 13:00	59	14.23
WR	1887			183	13.46

Gujarat , Maharashtra and Madhya Pradesh RE Penetrations

RE Penetration in Gujarat (July-15)		RE Penetration in Maharashtra (July-15)		RE Penetration in Madhya Pradesh (July-15)	
Wind Generation (in MUs)	1188	Wind Generation (in MUs)	1156	Wind Generation (in MUs)	212
Solar Generation (in MU)	95	Solar Generation (in MUs)	29	Solar Generation (in MUs)	59
Total Energy Consumption (in MUs)	8361	Total Energy Consumption (in MUs)	11219	Total Energy Consumption (in MUs)	4213
Wind Penetration Level (in %)	14.21	Wind Penetration Level (in %)	9.46	Wind Penetration Level (in %)	5.03
Solar Penetration Level (in %)	1.14	Solar Penetration Level (in %)	0.31	Solar Penetration Level (in %)	1.39
Total Wind & Solar Penetration %	15.34	Total Wind & Solar Penetration %	9.77	Total Wind & Solar Penetration %	6.42

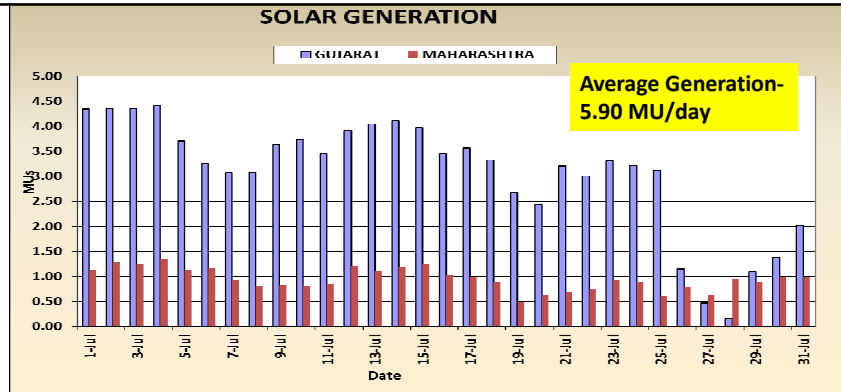
Regional RES Penetration- 9.70%





Day-wise Solar Generation(Mus)

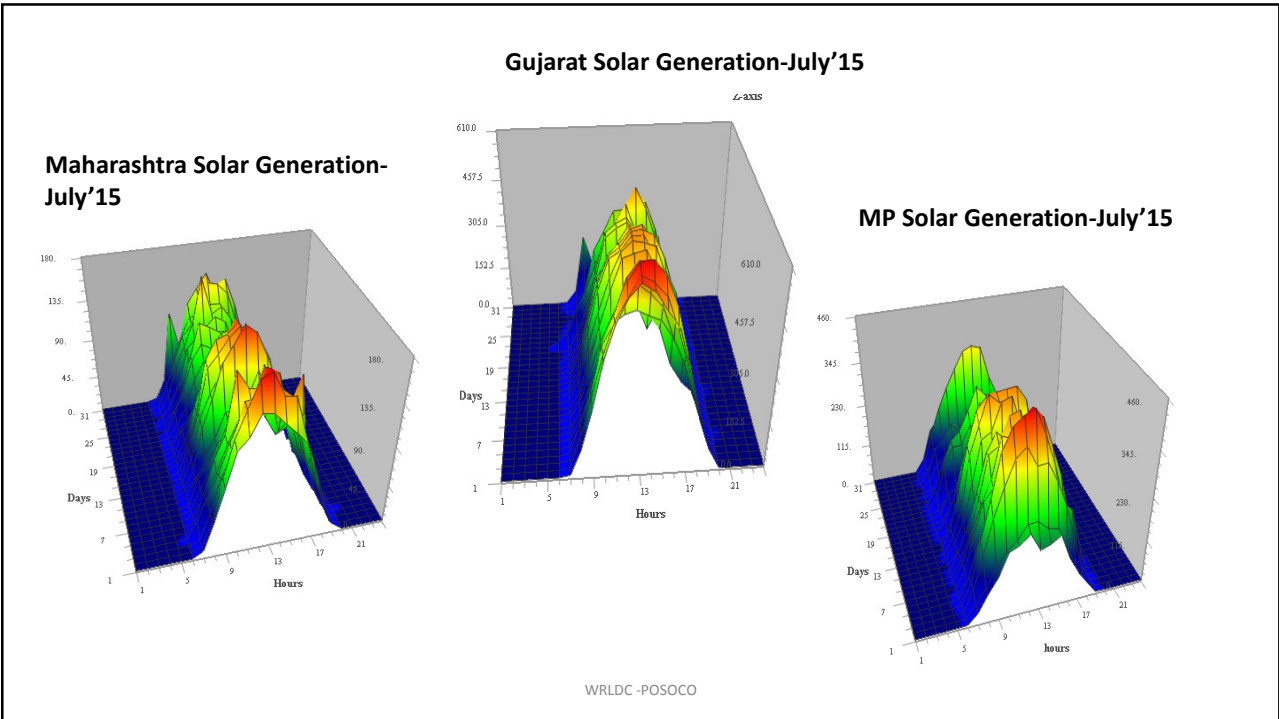
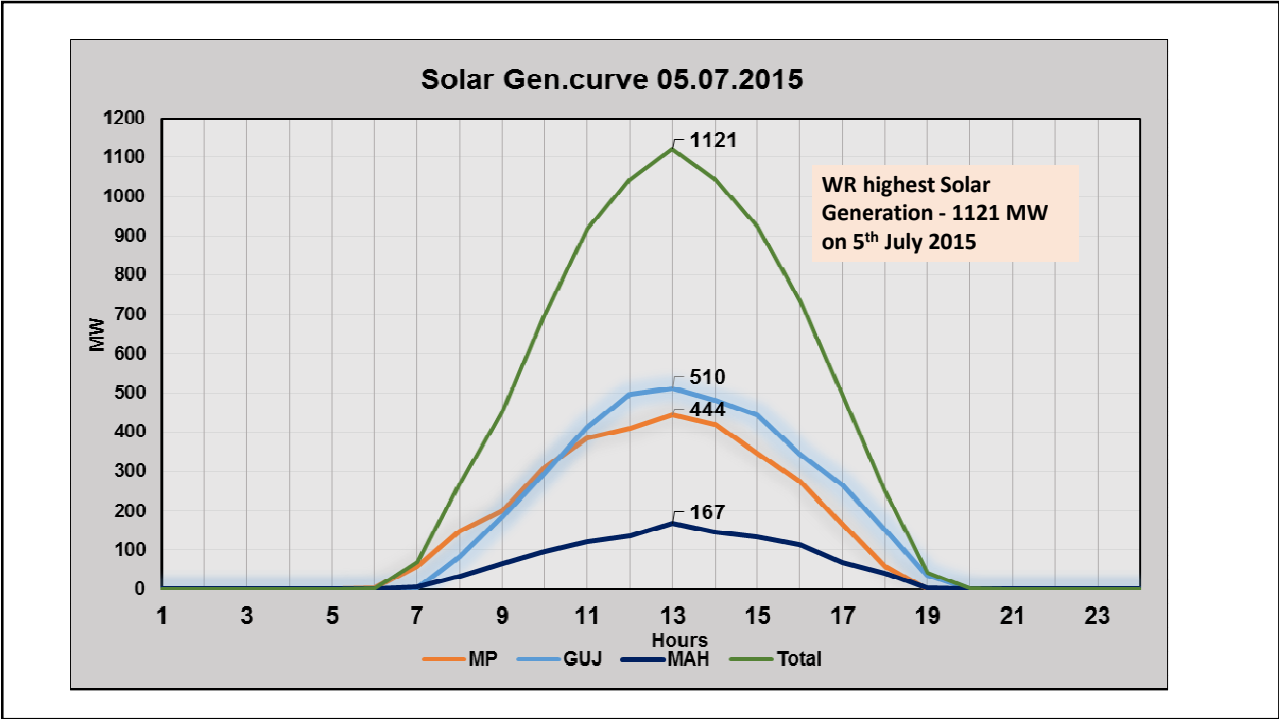
DATE	GUJARAT	MAHARASHTRA
7/1/2015	4.35	1.13
7/2/2015	4.36	1.29
7/3/2015	4.36	1.23
7/4/2015	4.41	1.34
7/5/2015	3.71	1.13
7/6/2015	3.26	1.16
7/7/2015	3.07	0.93
7/8/2015	3.08	0.82
7/9/2015	3.64	0.83
7/10/2015	3.74	0.81
7/11/2015	3.45	0.85
7/12/2015	3.91	1.21
7/13/2015	4.05	1.10
7/14/2015	4.10	1.19
7/15/2015	3.98	1.23
7/16/2015	3.44	1.02
7/17/2015	3.56	0.99
7/18/2015	3.33	0.90
7/19/2015	2.67	0.50
7/20/2015	2.44	0.62
7/21/2015	3.21	0.68
7/22/2015	3.01	0.74
7/23/2015	3.31	0.92
7/24/2015	3.22	0.89
7/25/2015	3.11	0.62
7/26/2015	1.14	0.79
7/27/2015	0.47	0.62
7/28/2015	0.16	0.96
7/29/2015	1.09	0.89
7/30/2015	1.37	0.98
7/31/2015	2.01	0.98
Total	95.01	29.35



Monthly Solar Generation

	Gujarat	Maharashtra	Madhya Pradesh	Total WR
Solar Generation (in Mus)	95	29	59	183
Total Energy Consumption (in Mus)	8361	12219	4213	28300
Penetration Level (in %)	1.14	0.31	1.39	0.43

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Addition of New Elements – July'15 and till date

GENERATING UNITS

SL.NO.	STATE/ISGS/IPP	STATION NAME	CAPACITY (MW)	UNIT	Date of Synchronization	Date of CoD
1	IPP,Chhattisgarh	Balco	300	I	22/02/2015	11/7/2015
2	IPP,Chhattisgarh	Maruti Clean Coal Power Ltd	300	I	17/04/2015	30/07/2015

Total Capacity added in 2015-16 (upto June'15) – 900 MW

TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE	Line Length (in Km)	Status
1	POWERGRID	Sholapur NTPC-Sholapur PG	1	400	10/7/2015	11	CoD
2	POWERGRID	Gwalior-Jaipur-2	1	765	11/8/2015	311	First Time Syn

Total ckt Km added in 2015-16 (upto June'15) – 2239 Ckt Km

WRLDC -POSOCO

ICTs

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	POWERGRID	Vindhyachal PS ICT -I	765/400	1500	2/7/2015
2	NTPC	Sholapur ICT-I	400/132	200	11/7/2015
Total				1700	

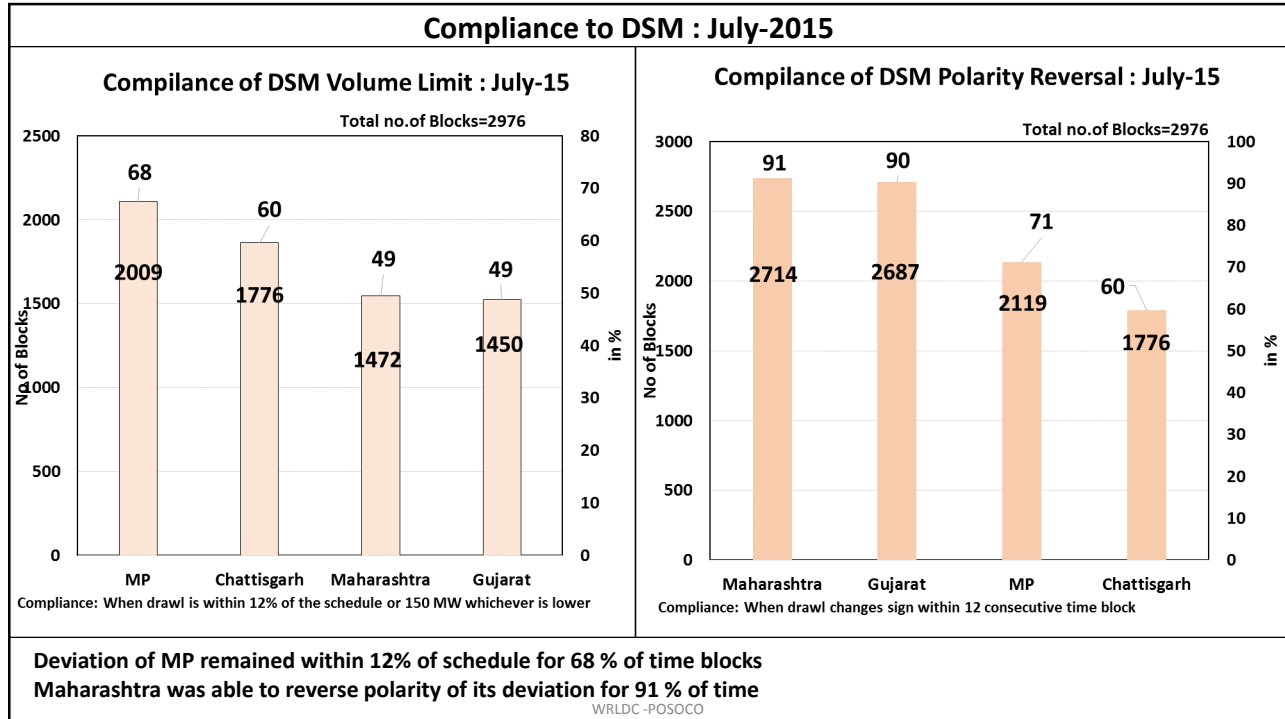
LINE REACTORS

SL.NO.	CONSTITUENT	STATION NAME	Line Name	KV	CAPACITY (MVAR)	DATE
NIL						

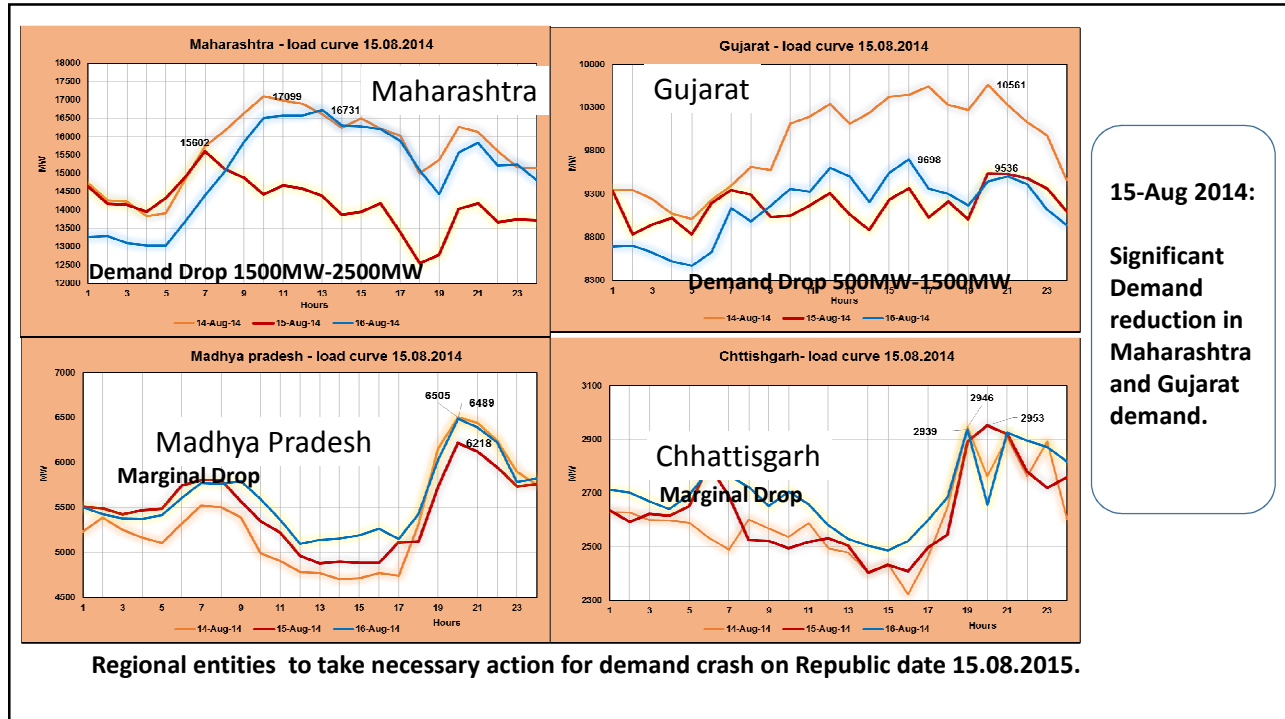
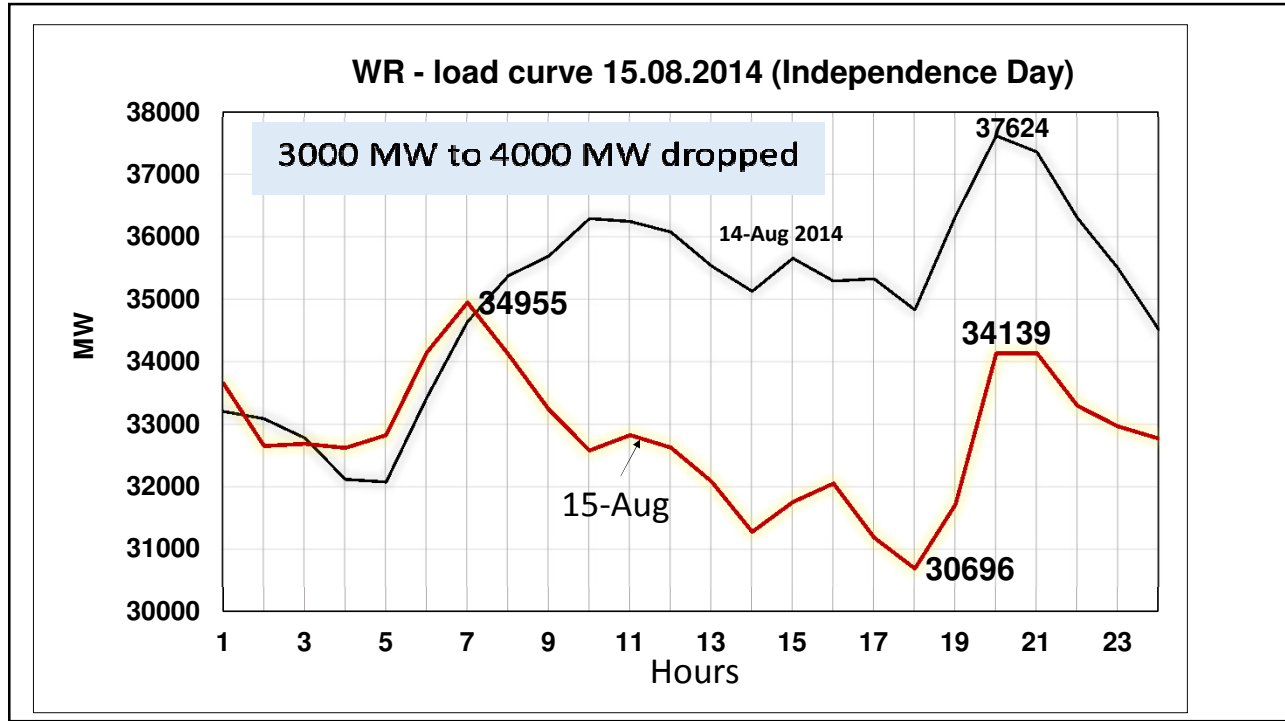
BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MVAR)	DATE
NIL					

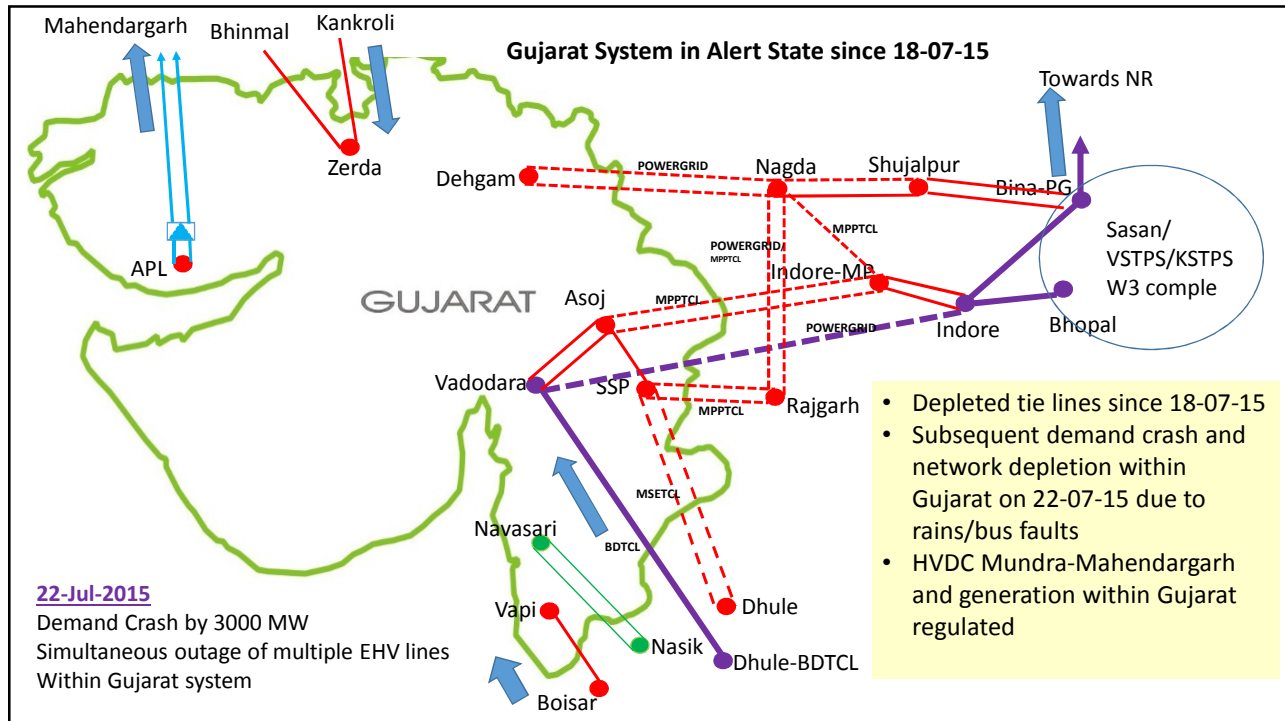
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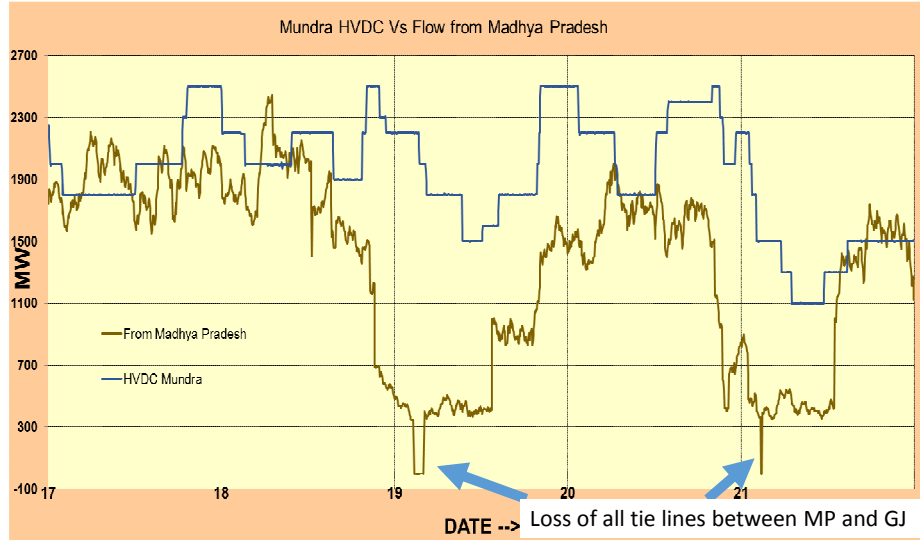
INDEPENDENCE DAY- 15th Aug 2015



Agenda 8.6



Network depletion between Gujarat and M.P. and Regulation of HVDC Mundra-Mahendragarh on 18-21 July 2015



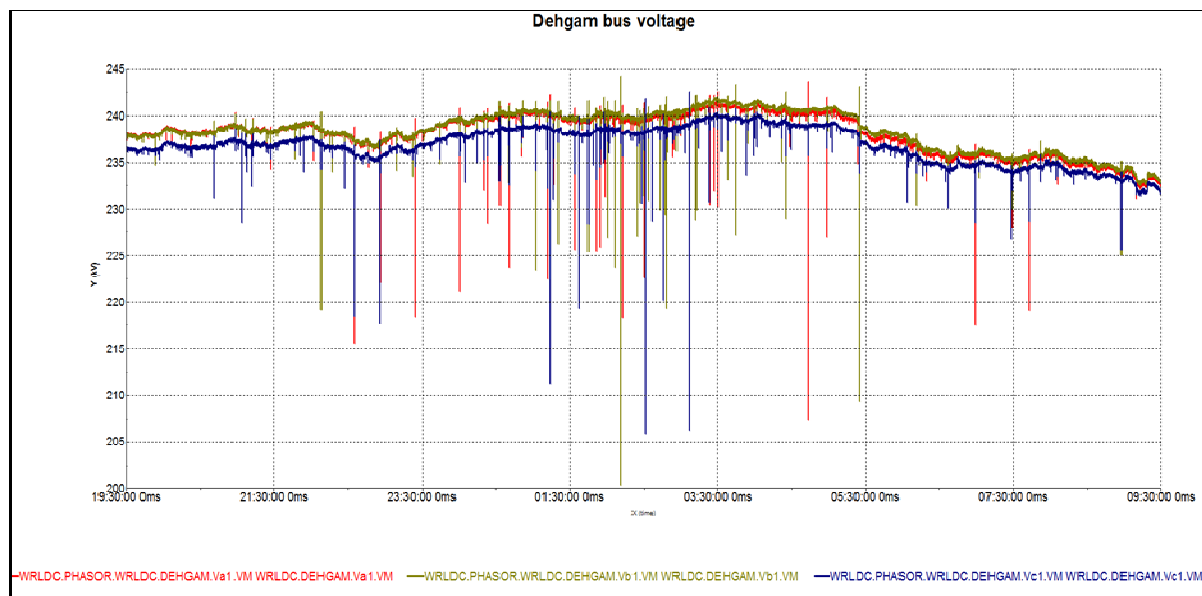
Sequence of Tripping on 18/19 July

S.No	Line	Line Owner	Outage		Restoration		Reason
			Date	Time	Date	Time	
1	400 kV INDORENAGDA-I	MPPTCL	18-07-15	7:29	18-07-15	13:55	Y PH FAULT
2	400 kV NAGDA-DEHGAM-I	PGCIL	18-07-15	7:31	21-07-15	18:49	R PH FAULT
3	765 kV Indore(PG)-Vadodara PS-S/C	PGCIL	18-07-15	12:28	19-07-15	13:27	3 PH FAULT
4	400 kV RAJGARH-NAGDA-I	MPPTCL	18-07-15	12:55	19-07-15	21:56	Y PH FAULT
5	400 kV RAJGARH-NAGDA-II	MPPTCL	18-07-15	12:55	19-07-15	17:18	B PH FAULT
6	400 kV NAGDA-DEHGAM-II	PGCIL	18-07-15	15:14	23-07-15	20:21	B PH FAULT
7	400 kV INDORE(MP)-ASOJ-II	PGCIL	18-07-15	20:31	19-07-15	19:24	Y PH FAULT
8	400 kV SSP-RAJGARH-I	MPPTCL	18-07-15	21:11	21-07-15	17:07	Y PH FAULT
9	400 kV SSP-RAJGARH-II	MPPTCL	18-07-15	21:11	22-07-15	13:46	3 PH FAULT
10	400 kV INDORE(MP)-ASOJ-I	PGCIL	19-07-15	2:37	19-07-15	4:04	R Y PH FAULT
11	400 kV SSP-DHULE-I	SSP	19-07-15	17:17	20-07-15	7:21	Voltage Regulation
12	765 kV Vadodara(PG)-Dhule(BDTCL)-S/C	Sterlite	20-07-15	20:19	20-07-15	21:34	High Voltage
13	765 kV Indore(PG)-Vadodara PS-S/C	PGCIL	20-07-15	20:19	21-07-15	12:59	R-PH FAULT
14	400 kV SSP-DHULE-II	MSETCL	21-07-15	0:07	22-07-15	20:04	R PH FAULT
15	400 kV SSP-DHULE-I	MSETCL	21-07-15	0:07	24-07-15	10:03	Y PH FAULT
16	400 kV INDORE(MP)-ASOJ-II	PGCIL	21-07-15	0:57	21-07-15	16:12	Y PH FAULT
17	400 kV INDORE(MP)-ASOJ-I	PGCIL	21-07-15	2:41	21-07-15	2:55	R PH FAULT
18	400 kV SSP-RAJGARH-I	MPPTCL	22-07-15	1:16	25-07-15	15:43	B PH FAULT

Contingency Measures

- Power surrender of procurers from CGPL and APL restricted
- Kawas and Gandhar scheduled suo motu by WRLDC
- Gujarat Schedule from VSTPS and KSTPS reduced
- Mundra HVDC power order regulated

Multiple Tripping in Gujarat System from 19:30/21-July to 9:30/22-July

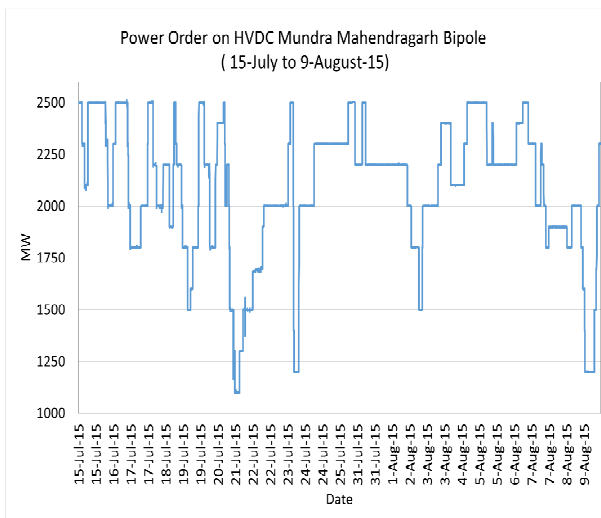


Multiple Bus Bar Operation in Gujarat on 22-July

Substation	Time on 22-July-15	Reason
400 kV Essar Vadinar	02:28 Hrs	Bus Bar Protection Operated
220 kV Dahej	03:15 Hrs	Bus Bar Protection Operated
220 kV Mokha	04:12 Hrs	Bus Bar Protection Operated
400 kV Amerli	06:11 Hrs	Bus Bar Protection Operated

- Non- Operation of Auto-Recloser relay lead to tripping of more lines than expected
- **Gujarat Report and DR/EL are still awaited for above event.**

SA2: OPTIMIZATION OF POWER ORDER ON \pm 500 KV HVDC MUNDRA – MOHINDERGARH BIPOLE.



HVDC used for Optimization

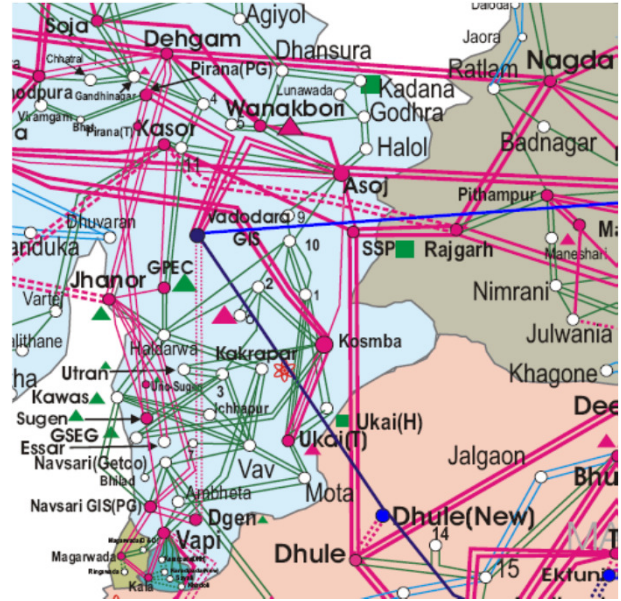
> 112 times in last 25 days

Major events when Power Order changed to address constrained in Gujarat

- To facilitate the outage of 400/220kV Asoj ICT-2 on 10-Aug-15.
- Gujarat interconnection with M.P. disconnected on 19th and 21st July 2015
- APL closing down on 27 August 2014
- CGPL blackout on 12 March 2014
- Conveyer belt fire in CGPL on 14-November-2013

SA1: Split bus arrangement at SSP

- 2014
 - 15:18 hrs of 22nd Sep 2014 to
 - 13:46 hrs of 29th Sep 2014
- 2015
 - 11:36 hrs of 09th Aug-15 to
 - 15:35 hrs of 10th Aug-15



2014: Outages on 400 kV feeders emanating from SSP

Line	Date requested	Reason
SSP-Dhule-2	23-Sep-14	CVT Testing
SSP-Kasor	24-Sep-14	CVT Testing

← **Outage that could not be facilitated due to bus split**

Tripping of lines from SSP during Bus Split Operation

Line	Time	Date	Reason
SSP- DHULE-2	12:04	25-Sep-14	R PHASE TO EARTH FAULT
SSP-RAJGARH-2	13:33	26-Sep-14	R PH TO EARTH FAULT
SSP- RAJGRH-2	14:16	29-Sep-14	TRIPPED ON Y-PH TO E/F
SSP- RAJGRH-2	15:38	29-Sep-14	TRIPPED ON R-PH TO E/F

← **Reduced reliability of SSP units connected to Maharashtra side**

400 kV SSP-Rajgarh-1 was unutilized during split bus operation

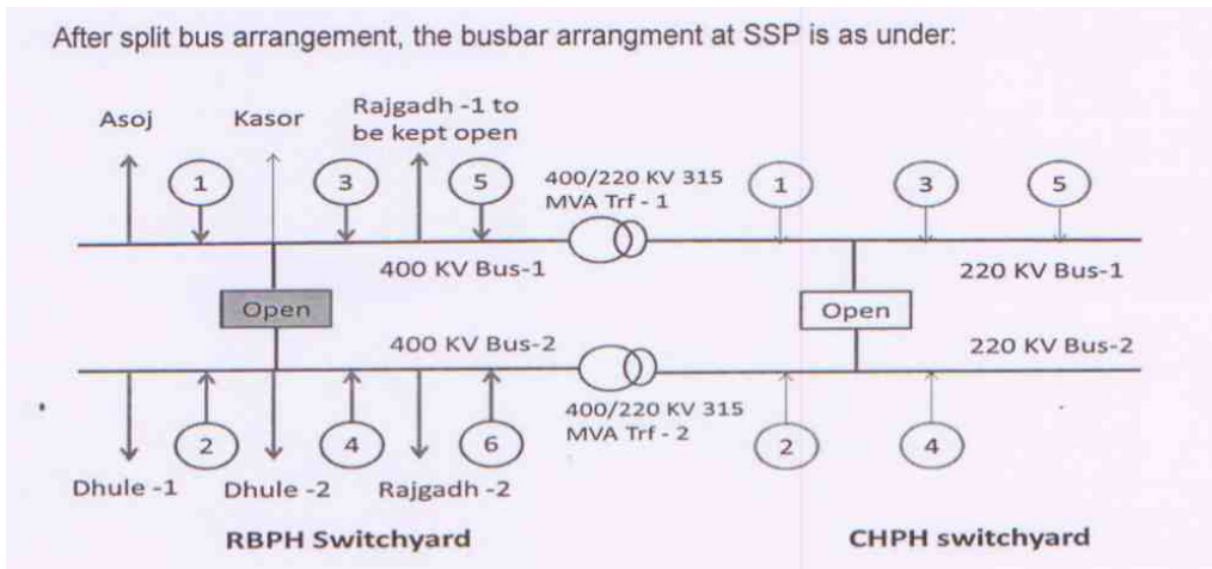
← **Likelihood of conductor theft during prolonged outage**

2015: Experience of SSP Bus split 11:36 hrs of 09th Aug to 15:35 hrs of 10th Aug

- Reliability of SSP generation of 1450 MW is reduced
 - 3x200+3x50 units connected to Bus-1; 3x200+2x50 Units connected to Bus-2
 - SSP-Rajgarh-II was under forced outage from 10:46 of 9-Aug to 13:31 of 10-Aug
 - SSP-Dhule -1 tripped at 13:31 hrs when SSP-Rajgarh-II was charged
 - SSP-Dhule-1 remained out till 15:17 hrs of 10-Aug
- Interconnection of Gujarat with MP system / WR Grid weakened
- Power is forced over congested corridor in Maharashtra
- System Stability is reduced(Angular separation between VSTPS and Asoj increases)
- Operational flexibility Reduces:
 - Emergency/ Planned shutdown flexibility is reduced from SSP/ Kasor/ Asoj/ Rajgarh
 - SD of 400kV Rajgarh-Nagda-1 on 10/11-Aug deferred
 - SD of SSP-Rajgarh-I / SSP-Kasor/ SSP-Asoj for RTU commissioning was deferred

SPLIT Bus Operation undesirable after commissioning of 765kV Indore-Vadodara-Dhule and other lines to Asoj

SA1: Split bus arrangement at SSP



Suggestions

Short Term Solution

- Security constrained merit order dispatch in South Gujarat
- Restoration of control shunt reactor at Dhule
- Expedite 765kV Aurangabad-Solapur to utilize all four circuit between Wardha and Aurangabad

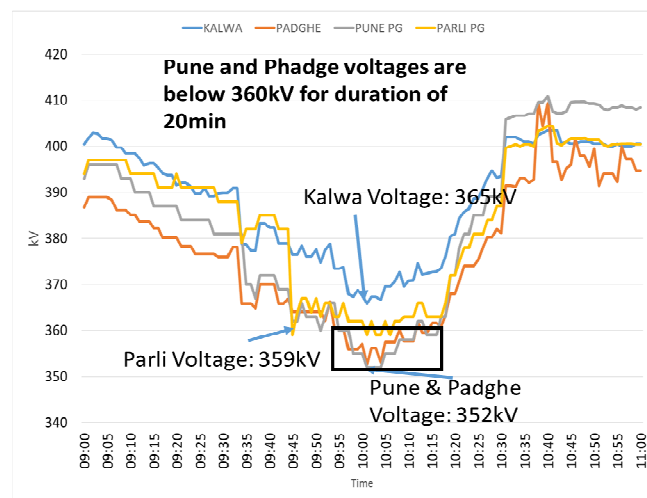
Long Term Solution

- 400kV Rajgarh-Kasor –D/c to be expedited
- Explore possibility of Inter-connecting 400kV Kosamba-Ukai with MP/ Maharashtra System.
- Explore feasibility of series compensation on 400kV SSP-Dhule-D/c

9.1 Under Voltage Load Shedding Scheme(UVLS)

• 05th May-15: Blackout at 400 kV Bableshwar

- Discussed in 469 OCCM, 471 OCCM and 473 OCCM
- SLDCs to identify the areas where UVLS could be implemented



9.2 Frequent Tripping of Raichur Solapur ckt

	Element	Date and Time	Triggering Cause	Outage Duration	Remarks
1	Solapur-Raichur-1	24-May-15 19:18	Incorrect operation of SPS-7 at Raichur	1:31	Line tripped from Raichur end. Separation of SR grid
2	Solapur-Raichur-2	24-May-15 19:18	Incorrect operation of SPS-7 at Raichur	1:59	
3	Solapur-Raichur-2	27-May-15 14:45	B-Ph fault	6:01	
4	Solapur-Raichur-2	29-May-15 14:44	Y-Ph fault	0:24	
5	Solapur-Raichur-2	31-May-15 16:59	B ph fault	2:26	
6	Solapur-Raichur-1	31-May-15 17:00	Y ph fault	2:00	Separation of SR grid
7	Solapur-Raichur-2	22-Jun-15 14:13	CVT problem at Solapur end	7:47	
8	Solapur-Raichur-2	28-Jul-15 11:51	CVT problem at Solapur and Incorrect operation of SPS-7	1:17	
9	Solapur-Raichur-1	28-Jul-15 11:51	Incorrect operation of SPS-7 at Raichur	1:01	Tripping details awaited
10	Solapur-Raichur-1	2-Aug-15 09:18	CMR relay mal operation at Solapur	1:39	

9.2 Related Issues for above 10 cases

1. Reliability of distance protection.

Two cases due to CVT problem and one due to CMR relay at Solapur

- i. Redundancy of CVT at Solapur(PG)
- ii. CVT selector scheme for automatic changeover from one BUS to other BUS

2. Correctness of SPS setting at Raichur end

Three tripping due to incorrect operation of SPS-7 at Raichur end.

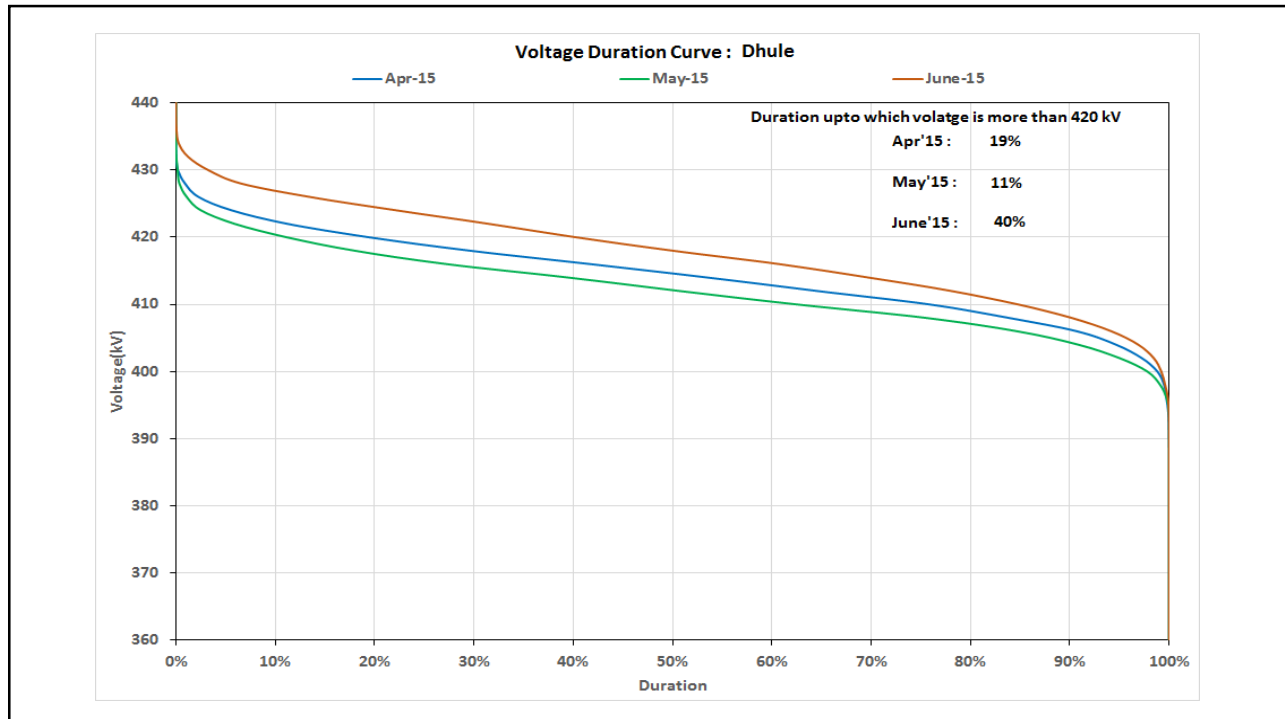
9.3 FRC on NEW and SR Grid Separation on 28-July-15 at 11:51 hrs

Particulars	Hz	Drawl from Grid				WR (Export)
		GUJ (MW)	MAH (MW)	MP (MW)	Chhattisgarh (MW)	
1. Before the Event	49.97	-202	4194	2698	1251	-6970
2. After the Event	50.17	-236	4597	2741	1361	-6671
Change in Net Interchange (2 - 1)	+ 0.2	-34	403	43	110	299

	Before the Event (A)	After the Event (B)	Change (C=B-A)
Frequency	49.97	50.17	0.20
KSTPS	1866	1854	-12
VSTPS	2025	2017	-8
SIPAT	1337	1322	-15
NSPCL	443	445	2
JPL TAMNAR (JPL+JPL Ext)	435	431	4
LANCO PATHADI	177	165	-12
KAWAS	101	101	0
SSP	1171	1160	-11
CGPL	1208	1212	4
EMCO	442	440	2
SASAN	3682	3682	0
APL	2776	2783	7
APML	1741	1735	-6
KSK	433	431	-2

9.4: Revival of Control Shunt Reactor (CSR) at Dhule(MSETCL)

- In 24th WRPC meeting held on 9th Oct 2013, MSETCL committed that 2x50 MVAR reactor would revive by **October'2013 end**
- CSR at Dhule yet to be revived even after nearly 21 months
- Black out in 01st March 2015 due to high voltage after demand crash
- One ckt of 400kV SSP-Dhule D/C being opened on voltage regulation
 - a) Voltage > 420 kV for 40% of time in June-15, 11% in May and 19% in April 2015
 - b) Last four month SSP-Dhule ckt remain open for 632 hrs nearly 25% time
 - c) Frequent operation in CB causes difficulty in closing when required.
 - d) Increases the power flow towards Asoj / Kasor lines
 - e) Reduces reliability of SSP when generation is full



9.5 Frequent Tripping of HVDC Bhadrawati due to Failure of Auxiliary Supply

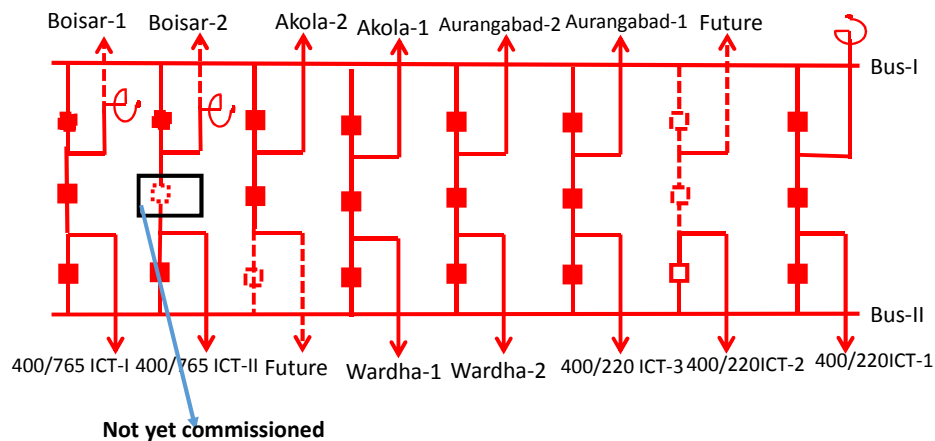
Element Name	Date and Time	Reason for Tripping	Remarks
Bhadrawati Pole 1	14-07-15, 11:00 Hrs	Failure of Aux Supply	Resulted in SPS operation of 400 kV Wardha-Parli
Bhadrawati Pole 2	14-07-15, 11:00 Hrs	Failure of Aux Supply	
Bhadrawati Pole 1	05-08-15, 10:53 Hrs	Failure of Aux Supply	One circuit of 765 kV Solapur-Raichur was under outage

- 400/220/33kV ICT for reliable auxiliary supply was commissioned on 19th February 2015. But the auxiliary supply on 33 kV to HVDC from New ICT yet to be started.
- SPS operation of Wardha-Parli affects Tirora generation where MSEDCL is a beneficiary
- MSEDCL / MSETCL and POWERGRID to mutually resolve on priority.

9.6 Tripping of 400kV Aurangabad BUS-2 on 12th June-15

- The bus-bar operated on 400kV Aurangabad bus-2 at 9:29 hrs of 12th June-15
- Following elements also tripped
 - a) 765/400kV Aurangabad ICT-2 (Tie CB not commissioned)
 - b) 400kV Bus Reactor
 - c) 400kV Boisar LR-1&2 at Aurangabad
 - d) 400kV Wardha LR-1&2 at Aurangabad
- Issues:
 - a) Reason for Bus Bar operation without fault not received from POWERGRID
 - b) 765/400kV Aurangabad ICT-2 tripped due to non-commissioning of Tie CBs
- Similar events of Multiple tripping occur on 12.03.15, due to non-commissioning of Tie CBs at 400kV and 765kV

SLD Diagram of 400kV Aurangabad (PG)



SA4: Load Forecasting in Western Region

- Discussed in 462, 463 and 466 OCCM
- Gujarat was identified as the Lead coordinator
- Forecasting service provider (FSP) identified for each state
- FSP to commence the commercial Forecasting project by 2nd Oct, 2014

SA4: Load Forecasting in Western Region

STATE SLDC/DISCOM	Forecasting Service Provider (FSP)	Status
GUJARAT	M/S TESLA	Pilot load Forecasting initiated. Accuracy of data found unsatisfactory
MAHARASHTRA	IIT, MUMBAI	Accuracy varied 14.88 to 15.44 Max
MADHYA PRADESH	M/S METEOLOGICA	Awarded to M/S L&T infotech by MP. So Pilot load forecasting not provided by M/S Meteologica
CHHATISGARH	M/S SAS	Approval of higher authority required.
GOA	M/S MARCADOS	New FSP to be appointed as M/s Marcados was closed
DD/DNH	IIT,GANDHINAGAR	All details / data pertaining to the Pilot Load
		Forecasting have been provided by DD to IIT
		Gandhinagar. Response from IIT awaited

Workshop on Deployment of Meteorological Data in Power System

Objective:

- To customize weather information required at SLDCs/RLDCs/NLDC
- To develop Standard Operating Procedures (SOP) for data exchange between IMD and SLDCs/RLDCs/NLDC
- To compile inputs for development of web portal for power system users
- Identify areas for research and future collaboration between IMD and SLDCs/RLDCs/NLDC

Date: 24th Aug 15 (Monday), 10:00 Hrs

Venue: POSOCO, Western Regional Load Despatch Centre (WRLDC),

Coordinator: Vivek Pandey, Chief Manager (SO),

Workshop on Deployment of Meteorological data in Power System

Time	Particulars	Resource Person
10:00-10:15	Registration/Welcome	
	Opening Remarks	
10:15-10:30	Power System Operation and role of RLDCs, SLDCs	WRLDC
10:30-11:00	Impact of weather in Power System Operation (Hydro/RES generation, Load, Line performance, Line rating)	WRLDC
11:00-11:30	RES and Load forecasting in Gujarat	SLDC-Gotri
11:00-11:30	Inflow forecasting in Narmada Basin	NCA
11:30-12:00	Load forecasting and Operation of HEP in Maharashtra	SLDC-Kalwa
12:00-12:15	Overview of IMD-functions and structure	IMD
12:15-12:45	Forecasts-Long, Medium, Short, Nowcast Forecasts / warning in different spatio-temporal scales	IMD
12:45-13:00	Airport Meteorological System	IMD
13:00-13:30	Discussions - Way forward for further collaboration	
13:30-14:30	Lunch	

