



सर्वोच्च शक्ति

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 /2017-18/

दिनांक

28 जुलाई 2017

1931

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 497 वीं बैठक का कार्यवृत्त।

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 20.07.2017 को WRPC, MUMBAI में आयोजित 497 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है।

धन्यवाद।

संलग्न : उपरोक्तानुसार

भवदीय,

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(जे के राठोड)

अधीक्षण अभियंता (प्रचालन)

**Minutes of 497th meeting of
Operation & Coordination sub-Committee of WRPC
held on 20th July, 2017 at WRPC, Mumbai**

The 497th meeting of Operation & Co-ordination sub-Committee (OCC) of Western Regional Power Committee (WRPC) was held on 20th July 2017 at WRPC Mumbai. The list of participants is enclosed at **Annexure-A**.

Shri A. Balan, Member Secretary, WRPC extended warm welcome to all the participants of the 497th OCC meeting. He requested the participants to participate in the meeting pro-actively so that all the issues of agenda items could be resolved amicably.

He told that a lot of request for Post-OCC outages of Transmission Elements have been coming since last OCC. He ensured that some effective measures will be adopted in subsequent discussion and amicable decision will be taken. He advised the constituents to adhere with the IEGC framework while seeking consent for outages.

He further asked WRLDC representatives about percentage of outage being availed out of total outages approved in 496th OCC meeting. AGM, WRLDC told that only 27 % of the OCC approved outages (496th OCCM) were availed during June 2017.

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

Item no. 1: Confirmation of the Minutes

Minutes of 496th meeting of Operation & Coordination Sub-Committee (OCC) of WRPC held on 13th June 2017 at WRPC Mumbai were forwarded vide letter No. WRPC/OPN/OCC-Minutes/2017-18/7666 dated 23.06.2017.

The following comments have been received:

- (1) Chief Engineer, SLDC, Gujarat vide letter no SLDC/CE/MIS/WRPC/2889 dated 04.07.2017 commented on point No. 3.2 of minutes of 496th OCC meeting. In this regard, he requested to replace the sentence “The existing practice of post OCC outages should be discouraged.” by sentence “The planning of outages should have been done in advance so that the requirement of post OCC outages shall be minimized”.

Sub-Committed agreed to replace the sentence.

(2) WRLDC vide letter WRLDC/SO-I/2017/11 dated 12.07.2017 requested for amendment in the item nos 8.5,8.7,8.10,9.2 and 9.7. WRLDC further requested for inclusion of their viewpoints in agenda items 9.8,9.9,9.11 and 9.12. Letter of WRLDC is attached as **Annexure#1**.

Sub-Committed agreed as the same.

Minutes of 496th were confirmed with modifications proposed by CE(SLDC), Gujarat and AGM, WRLDC.

Sub-Committee confirmed the Minutes of 496th OCCM with above the above modifications.

■ **Item no. 2: Review of system operation during the month of June 2017**

Member Secretary, WRPC requested WRLDC to brief the Committee on Grid performance during the month of June, 2017. Asst GM, WRLDC presented the performance of the WR Grid during the month of June 2017.

2.1 Frequency Particulars

The average frequency during the month of June, 2017 was 50.00 Hz. The maximum instantaneous frequency was 50.26 Hz at 18:46:20 hrs on 19.06.2017, while minimum instantaneous frequency was 49.72 Hz at 22:11:40 hrs on 02.06.2017. The frequency profile during June, 2017 was as under:

Range	01st – 30th June, 2017 (% time)	01st - 31st May, 2017 (% time)
IEGC band (49.9 < f < 50.05 Hz)	75.55	71.45
< 49.9 Hz	5.98	9.09
> 50.05 Hz	18.47	19.46

The frequency particulars is enclosed at **Annexure-2.1**.

The Sub-Committee noted the above information.

2.2 Inter-Regional Exchanges

There was a net inter-regional export of 6105.00 MUs by WR against net export schedule of 6123.00 MUs.

	SCH	DRAWL	OD/UD
WR-ER	141	-687	-828
WR-NR	-4338	-3825	513
WR-SR	-1926	-1593	333
WR NET	-6123	-6105	18

The Sub-Committee noted the above information.

2.3 Voltage Profile

Voltage profile at some of 765/400 kV sub-stations during the month of June, 2017 furnished by WRLDC is enclosed at **Annexure-2.3.**

The Sub-Committee noted as above.

2.4 U/F Relay Operations

As per WRLDC records during June, 2017 the system frequency didn't touch 49.5 Hz and no UFR operation was reported to WRLDC.

The Sub-Committee noted as above.

2.5 Power Cuts / Load Restrictions

Details of Power Cuts and Regulatory measures during June, 2017 as furnished by the State utilities are given in **Annexure-2.5.**

The Sub-Committee noted as above.

2.6 Details of Generating Units under Forced outages

Details of generating units under forced outages during June, 2017 are given in **Annexure-2.6.**

The Sub-Committee noted the information.

2.7 Details of Generating Units under Planned outages

The details of generating units under Planned Outages during June, 2017 are given in **Annexure-2.7.**

The Sub-Committee noted with above modification.

■ **Item no. 3: Operational Planning**

3.1 Proposed planned maintenance programme of generating units

The maintenance programme of generating units for the months July & August 2017 is given in **Annexure 3.1**.

WRPC enquired about the reasons for deviation for those generating units which were planned for outage but could not be availed. NTPC representative informed that VSTPS#11 was planned for outage for LPT and boiler maintenance but the turbine of unit 12 was having problem of emergent nature. Hence Unit 12 was taken out instead of unit 11. Unit 11 will be taken out in the month of August 2017.

In this regard, WRPC suggested to all the constituents to submit the reasons for the deviation in writing for not availing the planned outages of any generating units henceforth. The constituents agreed for the same.

The finalised list of maintenance programme of generating units for the months July 2017 & August 2017 is given in **Annexure 3.1**.

The Sub-Committee noted as above.

3.2 Outage programme of Transmission Lines/Elements.

List of finalised proposals for transmission elements outage to be availed during the month of August 2017 is given in **Annexure 3.2**.

The OCC approved outage and Post-OCC outage procedure for the transmission lines / elements was discussed in detail. After detailed discussion regarding methodology of OCC approved outage and Post OCC outage, consensus have been made among all the participants on the outage procedure summarised below.:

A). OCC approved Planned outages:-

1. OCC forum shall only finalize the planned outages for transmission lines/ elements which exist in WRLDC website under 'list of Important Grid Elements in Western Region'
2. OCC forum shall not consider any other transmission element which are not listed in WRLDC website.
3. The agencies seeking outage of those transmission lines/ elements which are not listed in WRLDC website, can directly approach to concerned SLDCs for the outage of those elements.
4. The forum also agreed that if the deviation between outages finalized/planned in OCC forum and actual outages availed during any month is more than 50%, then in that case the concerned

agency shall have to justify the deviation before the OCC forum in next OCC meeting.

5. The existing procedure would continue for submitting the outage requests for discussion and decision at OCC meeting.

B). Post OCC outages:-

1. OCC forum agreed that henceforth all the transmission planning agencies shall adhere with outages finalized/planned in OCC forum.
2. OCC forum further agreed that for seeking consent from WRPC for the post OCC outages, the concerned agency shall have to submit application duly signed by their MD/ED/Director/CEO (whichever is applicable) to WRPC prior to 5 working days before the proposed outage date.
3. Within 12 hours, WRPC shall forward the same to all concerned agencies/organizations for suggestion/comments (if any). If, no objection is received within 12 hours, the proposed outage shall be considered as deemed approved by WRPC; thereafter the approved outage would be forwarded to WRLDC for further processing and issuing outage code subject to real time grid conditions for ensuring stability and security of the grid.
4. For the outages of emergency in nature, the concerned agency shall directly approach WRLDC as usual under intimation to WRPC.

The Sub-Committee noted and agreed as above.

3.3 Anticipated power supply position for the months – July 2017 & August – 2017

Details of anticipated restricted & un-restricted demands for the months of July & August, 2017 are given in **Annexure 3.3.**

The Sub-Committee noted the information.

■ Item no. 4: Operational Statistics for the month of June 2017

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

Annexure 4.1 - Actual Generation and Requirement for June, 2017.

Annexure 4.2 - Peak Demand: Schedule Vs Actual for June, 2017.

Annexure 4.3 - Integrated Operation of the System and Operation of Inter State Tie lines for June, 2017.

Annexure 4.7 – Details of level of Major Reservoirs in Western Region for June, 2017

The Sub-Committee noted the information.

■ **Item no. 5: System Disturbances in Western Region**

There was no major grid disturbance in the Western Region during the month of June, 2017. However the details of minor incidences during the month received from WRLDC are enclosed at **Annexure-5**.

WRLDC shared the details of grid event at Dharamjaygarh and MB Power as under

- On 15th June 2017, 14:23 hrs there was a R-Y fault on 765 kV Dharamjaygarh-Jabalpur-III which remained un-cleared for 3 minutes and 49 seconds due to stuck breaker at Dharamjaygarh end and failure of LBB. The event resulted in tripping of all elements at Dharamjaygarh from remote end and consequent blackout of the s/s. The islanding scheme of BALCO also failed and led to loss of 940 MW generation. KSK unit # 3 also tripped during the event.
- POWERGRID was advised to share the key learning from the Dharamjaygarh event.
- On 07th July 2017 at 19:59 hrs there was a tripping of 400 kV MB Power Jabalpur ckt-1 when the total generation at MB Power was 1020 MW. The entire generation started evacuation over the 2nd circuit (246 km, triple snowbird). Oscillations of 0.86 Hz frequency were observed as the PSS at MB Power was not commissioned. The generation at MB Power was backed down. Off-line studies indicated that the steady state angular separation after line tripping was 26.5 degrees.

In view of the above OCC committee suggested for:

1. Immediate Tuning of PSS of MB power by the entity.
2. SPS at MB power for generation reduction during N-1 contingency.

OCC suggested to call a meeting for discussion on the SPS at MB Power in the Second week of August'17.

The Sub-Committee noted.

Item no. 6: Healthiness status of SERs/DRs of equipment in the system.

Following Constituents have furnished the status of healthiness of SER/DRs in their systems.

S.l. No.	Name of Constituent	Date of Receipt
1	PGCIL,WRTS-I	06.06.2017
2	PGCIL,WRTS-II	06.07.2017
3	MPPTCL	20.07.2017
4	NTPC	05.06.2017
5	CSPTCL	04.07.2017
6	GETCO	20.07.2017
7	MSETCL	05.07.2017
8	DD/DNH	
9	GOA	11.06.2017
10	NPCIL	
11	NCA/SSP	
12	NHDC	
13	Jindal PL	12.05.2017
14	CGPL	05.06.2017
15	DB POWER	
16	KWPCL	
17	ACBIL/TRN ENERG	04.07.2017
18	KSK	14.07.2017
19	GMR CHHATTISHGARH	
20	JNSTPS	08.05.2017
21	MB POWER	
22	SASAN UMPP	12.05.2017
23	NSPCL	12.05.2017
24	RGPPL	
25	SUGEN	08.05.2017
26	RKM POWER	

27	ESSAR POWER	08.05.2017
28	BDTCL/JTCL/RTCL	12.05.2017
29	RELIANCE TRANSMISSION	12.05.2017
30	ADANI POWER	03.07.2017
31	JHABUA POWER	11.05.2017
32	EPTCL	08.05.2017
33	TPGL	11.05.2017

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

The Sub-Committee noted as above.

■ 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:

Sl. No.	400 kV Sub/Stn.	Size (MVar)	Implementing agency	Expected date of commissioning
1	Nanded	125	MSETCL	July - 2017
2	Sholapur	125	MSETCL	Dec - 2017
3	Kolhapur	125	MSETCL	Dec - 2017
4	Akola	125	MSETCL	July - 2017
5	ISP	125	NHDC	Oct - 2017 expected (Tendering done)
6	Satpura-ISP Line Rx	50	MPPGCL	Dec-2017

Chief Engineer, SLDC Maharashtra informed following during the meeting:

- Commissioning of 125 MVAR shunt reactor at Karad, Kolhapur, Solapur, by MSETCL -Tender are floated for above 3 Number substation.

- b. Planning of additional shunt reactors in south Maharashtra – shunt reactors are planned under phase- II by MSETCL. Proposed 125 MVAR Bus reactors are at following 400 KV substations:-

1. Chandrapur-II
2. Koradi-II
3. Khaparkheda
4. Bhusawal-II
5. Lonikand-II
6. Chakan
7. Kudus

He further informed that MSETCL is under process to avail grant through PSDF to install Phase-II reactors.

Sub-Committee requested the implementing agencies to expedite the commissioning of reactors well within the original dates given by the utilities.

The Sub-Committee agreed with the same.

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: -

Sl. No.	Name of the Line	Ckt km	Target Completion Date	Remarks
Powergrid				
1	400 kV Vapi – Kudus D/C Line	234	Dec -17	ROW/Forest problem
2	765 kV Wardha Nizamabad-Hyderabad D/C	577 +486	July 17	765 kV Wardha Nizamabad commissioned in March-17. 765 kV Nizamabad-Hyderabad D/C – expected in July 2017.
3	400 kV Aurangabad – Boisar line D/C line	690	Sept -17	
4	765 kV Aurangabad (PG) – Padghe (PG) D/C	570	Dec -17	

5	800 kV Champa – Kurukshetra Bipole	2574		One pole test charged on 25.01.2017 Pole two expected at end of July 2017.
6	400 kV MOUDA – BETUL PG LINES	393	July -17	
7	800 kV Raigarh-Pugalur HVDC Bipole	3676	Nov-19	4 out of 10 packages awarded
8	400 kV Lara-Champa	224	July 17	
9	765kV Bhuj-Banaskamta DC	583	July 18	
10	400 kV Mundra UMPP – Bhuj DC	190	Dec 18	
Chhattishgarh				
1	400 kV DCDS Raipur (Raita)-Jagdalpur(DCDS)			Commissioned on 26.05.2017
2	LILLO of 220 kV Raigarh-Budipadar at 400 kV PGCIL S/s Raigarh. Idle charged on 11.8.2015 for anti theft reason		July -17	
Gujarat				
1	400 kV D/C Vadinar-Amreli line	116.85	Dec -17	
2	400kV APL-Hadala LILLO to Halvad	89.40	Oct -17	
3	400 kV D/C Amreli-Kasor line(Part-1)	160.95	March -18	
4	400 kV D/C Amreli-Kasor line(Part-2)	164.34	March -18	
5	400 kV D/C Amreli-Kasor line(Part-3)	145.26	March -18	
6	400 kV Varsana-Halvad	143.39	March -18	
7	400 kV Wanakbori-Soja DC	213.17	May 17	
8	400 kV Soja-Zerda DC	268.92	Nov 18	
9	400 kV Hadala-Shapar D/c	124.34	Mar 19	
10	400 kV Bhogat- Kalawad D/C	260.57	Mar 20	
11	400 kV Bhachuunda-Varsana D/c	276.16	June 20	
Madhya Pradesh				

Maharashtra (STU)				
1	400 kV Bableshtar-Kudus D/C (Quad)		July -18	Forest clearance awaited, severe ROW problem
Adani Transmission Ltd				
1	765 kV switching station at Rajnandgaon.	-	Nov'2017	Completed
2	Raipur Pool - Rajnandgaon 765 kV D/C line.	40	Completed	Completed
3	Rajnandgaon – new pooling station at near Warora 765 kV D/C line.	266	Mar'2018	
4	400 / 220 kV Substation at Morena.	-	Dec'2017	
5	Gwalior 765 /400 kV – Morena 400 kV D/C	48	July'2017	
6	Vindhyachal-IV&V STPP - Vindhyachal Pool 400 kV D/C (Quad) 2nd line.	27	Dec'2017	
7	2-Nos 400 kV Line bays at Vindhyachal IV. STPP Switchyard.	-	Dec'2017	
8	1-No 765 kV line bay at Sasan UMPP.	-	Dec'2017	
9	Sasan UMPP - Vindhyachal Pooling station 765 kV S/C line.	6	Dec'2017	
10	LILO of one circuit of Aurangabad – Padghe 765 kV D/C line at Pune.	64	Mar'2018	
11	Raigarh (Kotra) – Champa (Pool) 765 kV 2nd S/C Line.	94	Dec'2017	
12	Champa (Pool) – Dharamjaygarh 765 kV 2nd S/C line.	49	Dec'2017	
13	Bilaspur pooling station – Rajnandgaon 765 kV D/C line.	162	Dec'2017	
14	Sipat – Bilaspur Pooling station 3 rd 765 kV S/C line.		Dec'2017	
15	1 No 765 kV Line bay at Sipat STPPS of NTPC.			Completed & Charged on 30.05.2017

The Sub-Committee noted the above information.

7.3 Commissioning of new Generating units in Western Region and the capacity expected to be commissioned during the current year 2016-17.

The status of Generating units, commissioned /expected to be commissioned during the current year according to the available information is as follows:

Name of the Power Projects	Unit No.	Capacity (MW)	Date of Commissioning /Schedule Date
Gujarat			
NIL			
Chhattisgarh			
NIL			
Maharashtra			
CHANDRAPUR	8	500	COD on 04.06.2016
CHANDRAPUR	9	500	Commissioned on 21.03.2016. COD done on 24.11.2016
Madhya Pradesh			
Essar Power MP Ltd(Mahan)	2	600	July -17
BLA	2	45	Commissioned on 20.03.2017
Central sector/IPP			
KSK	3	600	Dec -2017
KSK	4	600	Dec – 2017
RKM	3	360	Sept 2017
RKM	4	360	December 2017
TRN Energy	2	300	COD on 01.05.2017
SKS	1	300	Commissioned on 12.06.2017. COD yet to be done.
SKS	2	300	Expected by Sept 2017
Rattan India	3	270	Achieved full load on 14.04.2017
NTPC Mouda	4	660	Commissioned on 18.03.2017. COD yet to be done.
NTPC Lara	1	800	Dec 2017
NTPC Solapur	1	660	Commissioned on 25.03.2017. COD yet to be done.
NTPC Solapur	2	660	April 2018

The Sub-committee noted the above information.

Item no. 8: Miscellaneous Operational items

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

The current status of submission of CMP and P&CS report (constituent wise) for the fourth quarter (January 2017 to March 2017) is given below:

Sr No	Name of Constituents	CMP Status	P&CS Status
1	NTPC I & II	NTPC I Submitted on 11.04.2017 NTPC II Submitted on 08.03.2017	—
2	PGCIL I & II	PGCIL I Submitted status on 11.04.2017 PGCIL II Submitted status on 07.03.2017	—
3	WRLDC	Report Submitted on 02.05.2017	Report Submitted
4	GUJARAT	Report Submitted on 05.06.2017	
5	MAHARASHTRA	Submitted status by SLDC Maharashtra	
6	CHHATTISGARH		
7	MADHYA PRADESH	Submitted status by SLDC MP	
8	DD/DNH		
9	GOA		
10	NPCIL		
11	NCA	Status Submitted on 05.07.2017	
12	NHDC		
13	Jindal PL		
14	CGPL	Status Submitted on 05.05.2017	
15	DB POWER		
16	KWPCL		
17	ACBIL/TRN	Status Submitted on 05.07.2017	
18	KSK	Status Submitted on 14.07.2017	
19	GMR		
20	JNSTPS	Status Submitted on 03.05.2017	
21	MB POWER	Status Submitted on 05.07.2017	
22	SASAN UMPP	Status Submitted on 29.04.2017	
23	NSPCL		
24	RGPPL		
25	SUGEN/DGEN	Status Submitted on 06.05.2017	
26	RKM POWER		
27	ESSAR POWER		
28	BDTCL/JTCL/RTCL		

29	RELIANCE		
30	ATIL	Status Submitted on 14.06.2017	
31	JHABUA POWER		
32	EPTCL		

The forum requested all other constituents to submit the reports positively.

Sub-committee noted as above.

8.2: Monitoring of Schemes funded from PSDF

In the 6th meeting of NPC held on 19th December 2016 at Bengaluru, it was decided that all the RPCs in the monthly OCC meetings may follow up with the utilities to expedite the completion of schemes by giving due priority. The implementation of most of the schemes are based on the recommendation of the enquiry committee on grid disturbance of July 2012 headed by Chairperson, CEA. Therefore timely implementation of these schemes would enhance the grid security and reliability. Accordingly the details of grant sanctioned from PSDF for the schemes of Western Region is enclosed at **Annexure-8.2A** for the deliberation in the meeting. The NPC has further directed that the status of implementation of above schemes (physical as well as financial progress) may be reviewed and the utilities be requested to expedite implementation of the schemes. The utilities were advised to furnish the information in the format enclosed at **Annexure-8.2B** by first week of every month on regular basis to Member Convener, PSDF project monitoring group (AGM, NLDC, POSOCO) with a copy to NPC & WRPC division.

Gujarat & Madhya Pradesh have submitted progress/status in prescribed format (**Annexure 8.2C1 and C2**).

WRPC requested all other utilities to which the grants have been sanctioned, to update on the progress of the schemes at the earliest as per format at **Annexure 8.2B**.

The Sub-Committee noted and agreed as above.

8.3 RGMO/FGMO COMPLIANCE BY GENERATORS IN THE REGION

Chief (Engineering), CERC informed vide letter dated 05.06.2017 (letter attached as **Annexure 8.3A**) directed the WRPC /WRLDC to obtain the status of availability of RGMO/FGMO response from the generators (ISGS as well as intra-state generators) in its region. This is as per the provisions made under

Central Electricity Regulatory Commission (IEGC) Regulation, 2010 at 5.2 (f). Also as per provision made under regulation 5 (h) to IEGC dated 12.04.2017, RLDCs /SLDCs shall not schedule the generating station or unit(s) beyond ex-bus generation corresponding to 100 % of the installed capacity of the generating stations or unit(s).

496th OCC discussion :

WRPC requested for timely submission of RGMO/FGMO response from the generators (ISGS as well as intra-state generators) in WR and also requested RLDC/SLDCs for not scheduling the generating station or unit(s) beyond ex-bus generation corresponding to 100 % of the installed capacity of the generating stations or unit(s).

Subsequently, WRPC Secretariat wrote a letter to all generators in WR for submission of following information for onwards transmission to Hon'ble CERC:

1. Status of availability of RGMO/FGMO response.
2. Status of actual response of RGMO/FGMO.

The status from Sasan Power, Adani Power & Torrent Power have only been received. All other generators (ISGS as well as intra-state generators) are requested for timely submission of RGMO/FGMO response.

WRPC informed that WRLDC vide letter dated 05.07.2017 furnished status of availability and actual response RGMO/FGMO in WR (attached as Annexure 8.3B). As per the details furnished by WRLDC, there are 121 regional units (44620 MW) out of which 87 units (37820 MW) mandated so far to operate under RGMO/FGMO as per present IEGC norms. The Sub-Committee discussed and WRPC requested remaining constituents to submit the status at the earliest.

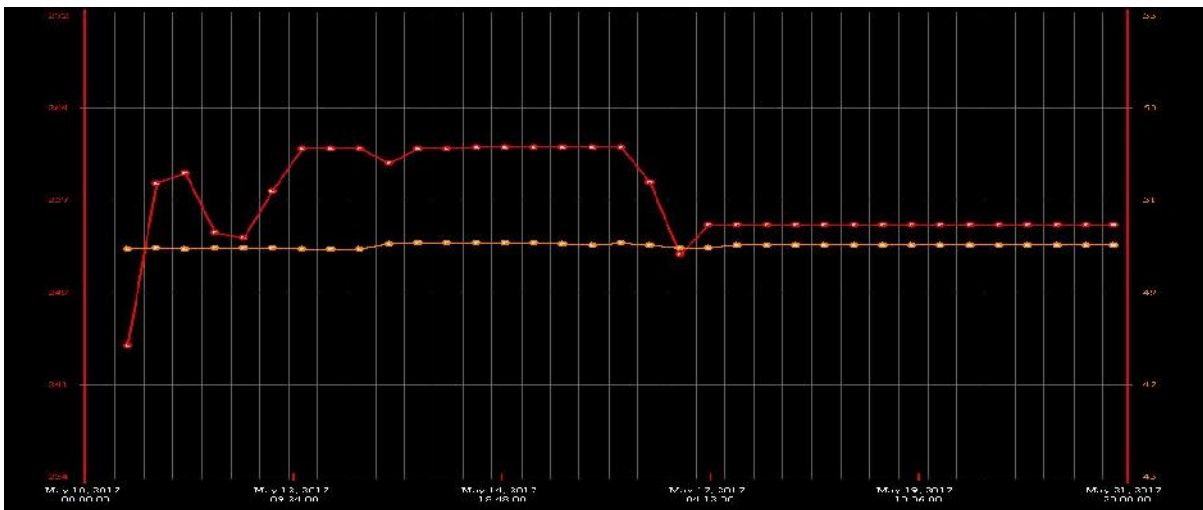
The sub-committee noted as above.

8.4 REQUIREMENT OF ADDITIONAL 765KV , 3X80 MVAR BUS REACTOR AT 765KV DURG PS

AGM, PGCIL Raipur informed that the 765kV Durg PS has connected with following transmission elements

- a) 765kV D/c Durg-Kotra line with Non –Switchable 3x80MVA LR
- b) 765kV D/c Durg-Champa line with Non –Switchable 3x80MVA LR
- c) 765kV D/c Durg-Wardha-1&2 line with Switchable 3x80MVA LR
- d) 765kV D/c Durg-Wardha-3&4 line with Switchable 3x80MVA LR
- e) 2 nos , 1500MVA ICTs
- f) 1 no 3x80MVA Bus Reactor

The 765kv Bus voltage is continuously high even after switching off some Line and taking L/R as Bus reactor, the 765kV Bus Voltage & frequency graphs is shown below for last 12 days



Keeping in view of continuously high voltage, which is detrimental to equipment , it is propose to installed a additional 765kV, 3x80MVA Bus Reactor at Durg PS to control the high Voltage.

In 496th OCC it was recommended for feasibility study of installation of additional 765kV, 3x80MVA Bus Reactor at Durg PS to control the high Voltage by PGCIL and submit the report to WRPC/WRLDC for discussion in next OCC meeting.

AGM, PGCIL, Raipur vide letter dated 06.07.2017 (copy enclosed at **Annexure 8.4**) stated that the data required for feasibility study of installation of additional 765kV, 3x80MVar Bus Reactor at Durg PS is not available with PGCIL. Therefore he requested WRLDC to make the requisite data available to PGCIL for the above purpose.

PGCIL representative told that WRLDC data is more reliable for above feasibility study purpose. Therefore he requested WRLDC to make available requisite data and table to PGCIL for the feasibility study. WRLDC agreed for the same.

WRLDC has performed the study for the 3X80 MVAR Bus reactor and found to be helpful in order to perform various switching operation at the Durg substation in view of constantly prevailing high voltage. The Study is enclosed in the WRLDC presentation.

The Sub- Committee recommended to take up proposal with SCM of WR at CEA.

The Sub-Committee noted as above.

■ **Additional Agenda Items**

AA.1 Submission of online operational data in real time mode at SLDC from Renewable Energy Generation Sources (RES)

CE (RES Div), CEA vide letter no CEA/Plg/RES-30/2017 dated 14.07.2017 forwarded the minutes of meeting of the Technical Committee (attached as **Annexure AA.1**) on the subject “Receipt of online operational data in real time mode at SLDC from RES sources and related issues”. In the meeting, it was decided that all states should have in place the urgent time bound plans to ensure the availability of 100% operational data in real time mode at the SLDC/RLDC/NLDC. It was also decided that the respective states will submit weekly reports of data communication status to CEA as well as to respective RPC/RLDC and NLDC.

The sub-committee noted/agreed as above.

AA.2 Operation of Hydro power projects in peaking mode

CE (GM Div), CEA vide letter no 1/AI/COR/GM/2017/1346-1353 dated 18.07.2017 that a sub-committee has been constituted under chairperson, CEA with heads of POSOCO, NHPC, SJVN & THDC as members and Director (H), MoP as member convenor. In the meeting of the sub-committee, it was concluded that there is scope of 2000 MW additional power generation from hydro stations during peak hours.

Chairperson CEA has advised to discuss this issue at the forthcoming TCC/RPC meetings in all five regions. He further advised to take up to matter as a regular agenda items in OCC meetings.

CM (SO), WRLDC shared that a committee of FOLD members had been constituted to study the pattern of generation from hydro stations in India and suggest measures to exploit the available capabilities of hydro units while honouring the existing hydrological constraints. He shared the highlights of the report as under:

1. Hydro stations are recognized as flexible resources that could be utilized for peaking, ramping, frequency response, part load operation, load following, energy storage, dynamic VAR support and black start. These capabilities are vital for integration of RES in the grid.
2. Installed Capacity of hydro stations in Western region is 7448 MW out of the 44 GW in All India. The maximum peaking support achieved in WR in 2016 was around 5000 MW during the high hydro season and around 4000 MW during the lean hydro season. The peaking support from RBPH in 2016 was observed to be around 1100 MW for only 10% of the time, from ISP it was observed to be around 960 MW only for 10 % of time. Analysis of the generations indicated that peaking support from hydro stations could further explored.
3. Coordinated operation of hydro stations on the Narmada basin viz Bargi, Indirasagar, Omkareshwar and RBPH is desirable for optimum utilization of the water releases.

4. The difference between Maximum hydro generation and Minimum hydro generation expressed as percentage of installed capacity of hydro was in the range of 35-45 % during non-monsoon period and was showing a deteriorating trend over the years. This indicates that hydro stations are often being used as base load stations. Thus there is a need to review the scheduling of intra state hydro units for peaking instead of base load.
5. Total 27 units at eight hydro stations in WR namely RBPH, Koyna-IV, Ghatghar, Khopoli, Bhivpuri, Bhira, Gandhisagar and Rajghat have the capability of synchronous condenser operation that needs to be exploited for voltage regulation to the extent possible.
6. Pumping facility available at Bhira PSS and Kadana PSS needs to be rejuvenated.
7. Telemetry from CHPH, Bhandardhara, Bhira TR, Koyna DPH, Tillari and Vaitarna needs to be established for operational coordination.

WRPC suggested all respective constituents to find the scope of complete utilisation of hydro power and discuss the practical issues in monthly OCC meetings.

■ **Item no 9. WRLDC agenda items**

1. STM-1 between WRLDC and Asoj

The critical importance of this STM-1 between WRLDC and Asoj is being emphasized since March'17 during the SCADA meeting held at Indore. The date targeted was 31st April'17. During last OCC POWERGRID indicated that the same will be commissioned by 10th July'17.

GM, WRLDC stated that the availability of STM-1 link between WRLDC and Asoj is essential for reliability of communication path.

POWERGRID stated that the STM-1 link between WRLDC and Asoj would be established in a week's time.

The sub-committee noted as above.

2. Hot line voice communication between WRLDC and Substations/ Generating Stations

Status of integration of Orange Hotline phones at major stations in WR with WRLDC is being discussed in OCC forums from 493rd OCC. The present status of integration of hotline phones is given below.

Entity	WR1				WR2			Total
	Integrated		Not Integrated	Total	Integrated		Not Integrated	
	Working	Not Working			Working	Not Working		
POWERGRID	12	5	3	20	13	1	9	23
IPP	2	1	12	15	0	0	6	6
ISGS	2	0	4	6	2	0	10	12
OTHERS	0	0	1	1	0	0	1	1
OVERALL	16	6	20	42	15	1	26	42

Status as on 10th July 17

No improvement in integration of hotline phones in WR-1 and WR-2 after 496th OCC. Further there are regular cases of hot line connectivity going down. WRTS-I to confirm that the entire path for various nodes are well protected.

Goa SLDC at Madgao started functioning from 9th May 2017 but hot line phone is not working.

GM WRLDC stated that out of 21 IPPs, the hotline voice communication is available only with 2 IPPs. He added that out of 18 ISGS, the hotline communication is available only with 4 ISGS. He expressed concern that Goa SLDC at Madgao started functioning from 9th May 2017 but hot line phone is not working.

POWERGRID stated that the connectivity of Oranage hotline phone has been extended upto the Interface point (MUX) at the nearest CTU substation. Hotline sets have also been delivered to the concerned IPPs. The IPPs need to lay the optic fibre from their generating station to the Interface point to establish the voice communication. The sub-committee noted as above.

3. Primary Response by Generators

The primary response of WR generating units for last three Grid Events was discussed in the 496th OCC. The primary response of KWPCCL, KSK, RKM and DB Power was NIL. The response of CGPL was very sluggish. The matter was subsequently followed up with the concerned generating stations. Summary is as below:

Genera ting Statio n	Remarks	Status
KWPCCL	Primary response was NIL.	KWPCCL was advised to correct the logic as per IEGC. KWPCCL informed that their units are under shutdown and the RGMO logic shall also be corrected. KWPCCL is under major force outages.
KSK	Primary response was NIL. KSK informed that they have inhibited the generating units from responding between 49.90 to 50.05 Hz.	KSK was advised to correct the logic as per IEGC.
RKM	Primary response was positive but inadequate. The increase in generation during the frequency dip was inadequate.	
DB Power	Primary response was NIL. DB Power informed that response was poor due to deterioration in coal quality and operation in Valve Wide Open (VWO).	DB Power was advised that IEGC 5 th amendment prohibit generating units to be operated with VWO.
CGPL	Primary Response is very sluggish.	Informed that issue was taken up with OEM and fine tuning of RGMO will be done by Sept'17. CGPL Vide email dated 25.07.2017 informed that since the inception of Toshiba machines at Mundra in 2012, the control system provided by the OEM was not designed for the RGMO response.

		On further deliberations, CGLP have developed an in-house frequency correction in the control loop to suite the grid requirement as an interim measure. Status of RGMO Active is provided to WRLDC, online. However, the RGMO response to the said demand is in the range up to 10%, the report of which is regularly being sent. CGPL is in the advance stage to implement the RGMO response in Turbine control system by software & hardware modification, through OEM. This will be implemented in Unit 10 capital overhaul, expected in Oct-Nov 2017.
Sasan	Primary Response calculated using WRLDC SCADA data was seen to be negligible. However response calculated using data submitted by Sasan was around 15%. After deliberation it was understood that the SCADA data transmitted from Sasan to WRLDC only when the change is greater than a certain threshold.	Sasan vide email dated 22.06.2017 informed that their all units are running with RGMO in service

All above stations apprised OCC regarding actions being taken to improve frequency response. The status of frequency response of WR regional entity generators has been furnished to WRLDC/WRPC secretariat.

The average frequency response of generators for past three events are given below:

S.No	Generator/Station	Event-1	Event-2	Event-3	Average Response
		NR-2000	WR-1400	NR-1500	
		20-05-17 20:06:30	23-05-17 17:42:50	27-06-17 00:15:20	
		50.10	49.96	49.95	
		49.89	49.81	50.12	
		-0.20	-0.15	0.17	
		Response as % of Ideal	Response as % of Ideal	Response as % of Ideal	
1	TRN (1x300)	0%	0%	88%	29%
2	MB Power(1x600)	11%	12%	50%	24%
3	JPL Tamnar (Stage II)(3x600)	49%	17%	0%	22%
4	EMCO (2x300)	35%	0%	22%	19%
5	Mouda(2x500)	19%	25%	13%	19%
6	RKM (2x360)	0%	3%	50%	17%
7	JP NIGRIE(2x600)	3%	13%	26%	14%
8	KSTPS-II(3x500)	16%	12%	9%	12%
9	Balco (4x300)	25%	8%	0%	11%
10	SASAN(6x660)	0%	16%	14%	10%
11	VSTPS-IV(2x500)	21%	0%	8%	10%
12	SIPAT-I(3x660)	19%	0%	6%	8%
13	SIPAT-II(2x500)	18%	7%	0%	8%
14	Lanco (2x300)	0%	10%	8%	6%
15	Essar Mahan(1x600)	0%	18%	0%	6%
16	SSP-RBPH (6x200)	0%	0%	13%	4%
17	CGPL(5x830)	4%	7%	1%	4%
18	NSPCL (2x250)	2%	8%	0%	3%
19	DB Power(1x600)	0%	1%	7%	3%
20	KSTPS-III(1x500)	6%	0%	0%	2%
21	VSTPS-II(2x500)	0%	5%	0%	2%
22	VSTPS-V(1x500)	0%	0%	3%	1%
23	VSTPS-I (6x210)	0%	2%	0%	1%
24	Mouda-II (1x660)	0%	0%	1%	0%
25	VSTPS-III(2x500)	0%	0%	0%	0%
26	KSK(2x600)	0%	0%	0%	0%
27	JPL I (4x250)	0%	0%	0%	0%

*Highlighted fields corresponds to Zero Generation

GM WRLDC stated that the primary response observed for the last three grid events has been forwarded to WRPC secretariat for forwarding to CERC. He mentioned that the primary response from Lanco, Essar Mahan, CGPL, NSPCL, DB Power, KSK and Jindal has been consistently poor.

ISGS were informed that the tariff regulations had a provision to reduce the RoE by 1 % in case of non-compliance of IEGC 5.2 f. He again urged all the regional entities to ensure compliance to regulation 5.2(f) of

IEGC. He expressed concern that few of the IPPs with poor primary response were neither attending the OCC meeting nor were they sending the update of the actions taken to improve the primary response.

The sub-committee noted as above.

4. Extension of RGMO status to SLDC / WRLDC

With the support of generating stations, WRLDC has integrated 100% of generators RGMO status in WRLDC SCADA. The snapshot of RGMO status in SCADA as on 1st July 17 is shown below.

RGMO DISPLAY

10-Jul-2017 11:26:06

* denotes actual wiring not yet done

NAME	UNIT	RGMO	NAME	UNIT	RGMO	NAME	UNIT	RGMO
CGPL U10	IN	●	JPL TAMNAR U1	OUT	●	GMR RPR U2	OUT	●
CGPL U20	IN	●	JPL TAMNAR U2	IN	●	VSTPS U1 *	IN	●
CGPL U30	OUT	●	JPL TAMNAR U3	OUT	●	VSTPS U2 *	IN	●
CGPL U40	IN	●	JPL TAMNAR U4	OUT	●	VSTPS U3	OUT	●
CGPL U50	IN	●	JHABUA U1	OUT	●	VSTPS U4 *	IN	●
VSTPS U11	IN	●	SOLPR NTPC U1	OUT	●	VSTPS U5	IN	●
VSTPS U12	OUT	●	VSTPS U13	IN	●	VSTPS U6 *	IN	●
LANCO U1	IN	●	SKS U2	IN	●	VSTPS U7	IN	●
LANCO U2	IN	●	JPL U1	OUT	●	VSTPS U8	IN	●
DHRWL U1	IN	●	JPL U2	IN	●	VSTPS U9	IN	●
DHRWL U2		●	JPL U3	IN	●	VSTPS U10	IN	●
KSK U1	IN	●	JPL U4	OUT	●	TRN U1	IN	●
KSK U2	IN	●	JP NIGRIE U1	OUT	●	TRN U2	OUT	●
KWPCL U1	OUT	●	JP NIGIRE U2	IN	●	WARORA U1	IN	●
SIPAT U1	IN	●	DB PWR U1	OUT	●	WARORA U2	OUT	●
SIPAT U2	IN	●	DB PWR U2	IN	●	MAUDA U1	IN	●
SIPAT U3	IN	●	NSPCL U1	IN	●	MAUDA U2	OUT	●
SIPAT U4	IN	●	NSPCL U2	IN	●	MAUDA U3	OUT	●
SIPAT U5	IN	●	KSTPS U1 *	IN	●	MAUDA U4	OUT	●
SASAN U1	IN	●	KSTPS U2	IN	●	BALCO U1	IN	●
SASAN U2	IN	●	KSTPS U3 *	IN	●	BALCO U2	IN	●
SASAN U3	IN	●	KSTPS U4	IN	●	BALCO U3	IN	●
SASAN U4	IN	●	KSTPS U5	IN	●	BALCO U4	IN	●
SASAN U5	IN	●	KSTPS U6	IN	●	MCCPL U1	IN	●
SASAN U6	IN	●	KSTPS U7	OUT	●			
RKM U1	OUT	●	MBPWR U1	IN	●			
RKM U2	OUT	●	MBPWR U2	IN	●			
MAHAN U1	IN	●	GMR RPR U1	IN	●			

Apart from KSTPS (U#1 & U#3) and VSTPS (U#1, U#4 & U#6) all the generators RGMO status is being updated correctly in WRLDC SCADA.

GM, WRLDC suggested that the RGMO/FGMO status of intra state generating stations may be monitored by the SLDCs.

The sub-committee noted as above.

5. Telemetry issues

Details of utilities whose data is reporting to WRLDC via unreliable communication links and whose data is highly intermittent is given below. These utilities may apprise OCC actions being initiated to ensure 100 % data availability to WRLDC.

Sr. no.	Node	Constraints	Remarks
1	BALCO	Communication link is GPRS since commissioning even after permanent connectivity. Primary FO link upto Dharamjaygarh as per connectivity agreement to be expedited. Secondary path through PLCC needs to be established.	Updated present status
2	JP Nigrie	Communication link is GPRS since commissioning even after permanent connectivity. Primary link upto Satna as per connectivity agreement to be expedited. Secondary path needs to be established.	Updated present status
3	LANCO	Primary link upto Bilaspur as per connectivity agreement through PLCC was established. Secondary path is GPRS	Representative not present
4	IEPL	The telemetry is highly intermittent	Representative not present
5	400kV Lonikhand II	No telemetry since commissioning	Updated present status
6	Tillari	The telemetry of 220kV Tillari which have interfacing line with Goa grid is not available causing problems in drawl calculations of Goa and Maharashtra	Updated present status
7	Goa	The telemetry needs to be validated with actual field values for Ponda, Verna, Xeldem, Kadamba, Cuncolim. The telemetry of Amona not available	Representative not present
8	DNH	The telemetry of DNH not available since long	Representative not present

The sub-committee noted as above.

6. Telemetry of RES

With the support of Wind developers and Maharashtra SLDC, in the month of June'17 the observability of RES in Maharashtra has drastically improved.

Following Wind developers are sending pooling data to WLRDC via FTP

S.No	Wind developer	Installed capacity of Wind whose data is being pooled through FTP (As informed by Wind Developer)
1	Suzlon	1662 MW
2	Regen	508 MW
3	Continum	120 MW
3	Gamesha	90 MW
4	Panama	72 MW
	Total	2442 MW

Following Wind developer's data are in pipeline for pooling data to WLRDC via FTP

1. Senvion
2. TS Wind
3. Wind World
4. Westas
5. Shri Maruthi
6. Enercon
7. Inox

The present status of Telemetered RES at WRLDC is as follows

State/Region	RES Installed Capacity (Wind+Solar) in MW	Telemetered RES Capacity at WRLDC (Wind+Solar) in MW	% of RES Visibility/Observability at SLDC/WRLDC
Gujarat	5740 (4622+1118)	5734 (4616+1118)	99
Maharashtra	5052 (4662+390)	2842 (2452+390)	56
Madhya Pradesh	3036 (2239+797)	2564 (2076+488)	84
Chhattisgarh	76 (0+76)	66 (0+66)	87
Diu	9 (0+9)	0	0
Daman	1 (0+1)	0	0
WR	13838 (11523+2315)	11206	81

The sub-committee noted as above.

7. Maintaining reserves to handle grid contingencies, forecast errors and variability of RES generation

The injection from Wind RES was exceptionally high in Gujarat, Madhya Pradesh and Maharashtra during the first week of July 2017. Further due to onset of monsoon, the demand in the WR-States has also reduced substantially and several thermal units were taken under reserve shutdown. It was observed that the RES penetration in MW terms was as high a 40 % of the demand met in these States for an extended duration in the first week of July. However, on 08th and 09th July there was low frequency operation and heavy overdrawal by MP from the grid on account of the following factors

- Intermediate dry spell in the region leading to rise in temperature and consequent demand
- Reduction in generation from wind RES
- Restriction on generation from hydro stations of Indirasagar, Omkareshwar & Sardar Sarovar
- Absence of adequate thermal capacity on bar

Such an operating condition is a threat to grid security.

As per the CERC suo-motu orders, secondary reserves of 800 MW has to be maintained at the regional level while the States have to maintain tertiary reserve of 330 MW in Maharashtra, 330 MW in Gujarat; 300 MW in Madhya Pradesh; 250 MW in Chhattisgarh. OCC members deliberated on the following issues:

1. Ensuring real-time telemetry from RES in the State
2. Forecast of RES and demand by the SLDCs
3. Keeping thermal units on bar to maintain spinning reserve in the grid

WRLDC illustrated the case of 08th July when Madhya Pradesh was overdrawing by around 900 MW from the grid when the injection from wind RES was low and the hydro generation could not be increased by SLDC Jabalpur due to “constant schedule”. GM WRLDC emphasized the need for

operational planning and keeping thermal units on bar to take care of such contingencies.

The sub-committee noted as above.

8. Status of Proposed Transmission Lines and Substations for Evacuation of RES in WR

Among all five regions, Western Region (WR) stands second in terms of RES (Renewable Energy Sources) installed capacity. Apart from existing RES there are several wind and solar generating stations, which are planned to be commissioned. As per 24th Meeting of WR Constituents regarding Connectivity & Long-Term Access applications in Western Region, applications for an installed capacity of 10068 MW are received for grid connectivity in the vicinity of following substations

S.No	State	Substations for which connectivity requested	Capacity granted for Grid Connectivity	Capacity under process for Grid Connectivity	Total Capacity for Grid Connectivity
1	Gujarat	Bhachua	1000 MW	1000 MW	2000 MW
2	Gujarat	Bhuj PS	300 MW	4650MW	4950 MW
3	Gujarat	Banaskantha	-	700 MW	700 MW
4	Maharashtra	Parli	-	1000 MW	1000 MW
5	Maharashtra	Solapur	-	600 MW	600 MW
6	Maharashtra	Osmanabad	-	1200 MW	1200 MW
7	Maharashtra	Kolhapur	-	100 MW	100 MW
8	Madhya Pradesh	Rajgarh	-	218 MW	218 MW
Subtotal			1300 MW	9468 MW	10768 MW

The proposed transmission system planned for evacuation of RES are as follows

S.No	Area	Connectivity System
1	Bhachua	<ul style="list-style-type: none"> Establishment of 2x500MVA, 400/220kV Lakadia PS LILO of both circuits of Essar Power Gujarat Ltd. (EPGL) – Bhachau 400kV D/c (Triple) line at Lakadia PS
2	Bhuj PS	<ul style="list-style-type: none"> Bhuj PS (765/400/220kV)-Banaskantha PS (765kV)-Sankhari(400kV) Corridor or Bhuj PS (765/400/220kV)-Banaskantha PS (765kV)-Chittorgarh PS (765kV)-Chittorgarh (RVPN) (400kV) corridor.

3	Banaskantha	<ul style="list-style-type: none"> • Banaskantha PS (PG) (765kV) – Sankhari (400kV) corridor • Banaskantha PS (PG) (765kV) - Chittorgarh PS (765kV) - Chittorgarh (RVPN) (400kV) corridor
4	Parli	<ul style="list-style-type: none"> • Establishment of 2x500MVA, 400/220kV Latur PS • Latur PS – Solapur (PG) 400kV D/c (Quad) line
5	Solapur	
6	Osmanabad	
7	Kolhapur	<ul style="list-style-type: none"> • Kolhapur GIS 220kV S/C line • Installation of 1x500MVA, 400/220kV ICT at Kolhapur GIS
8	Rajgarh	<ul style="list-style-type: none"> • Rajgarh (PG) 220kV S/c line

In view of large installed capacities of upcoming RES, updating status of ongoing transmission schemes for evacuation of RES by transmission agencies in OCC meetings would help in planning reliable system operation. The transmission agencies shall update status of ongoing transmission schemes for evacuation of RES in line with regular transmissions schemes status being updated in OCC meetings.

GM, WRLDC suggested that the progress of the transmission elements being developed under the green energy corridor may be monitored regularly in the OCC meetings.

The sub-committee noted as above.

9. Compliance to Low Voltage Ride Through (LVRT) by Wind Generators

Compliance to LVRT by wind generators is being deliberated in OCC forums from 493rd OCC. In 494th OCC, Maharashtra, Gujarat and Madhya Pradesh SLDC's agreed to submit LVRT compliance in prescribed format given by WRLDC. Accordingly Gujarat and Madhya Pradesh SLDC's has submitted LVRT compliance status of wind generators to WRLDC.

Gujarat has submitted LVRT status for an installed capacity of 2617 MW against total installed capacity of 4616 MW.

Madhya Pradesh has submitted LVRT status for an installed capacity of 1205 MW against total installed capacity of 2076 MW.

WRLDC shared the details of the Grid Disturbance that occurred in Australia on 28 September 2016. It was mentioned that apart from the compliance to LVRT, the setting related to the number of times 'fault ride through' is to be applied is also important.

GM, WRLDC stated that with increasing penetration of RES in the grid the non-availability of LVRT or inaccurate setting could cause grid disturbance if not addressed in time. He urged all SLDCs to compile the status and pursue with the developers.

The sub-committee noted as above.

10. Performance review of MVAR absorption by Generating Stations to Control High voltage

The MW, MVAR and Voltage of generating units was analyzed for the month of June 2017 with the help of SCADA data available at WRLDC. The list of generators injecting MVAR into the grid even when the bus voltage is above nominal are given below.

1. IPP : DB Power, Essar Mahan, RKM, GMR-CG, Dhariwal, JPL-I
2. ISGS: KSTPS-I, Mouda-I
3. Generators under the control of Gujarat SLDC
 - a. Essar Vadinar (U#1 & U#2)
 - b. Wanakbori (U#4, U#5 & U#6)
4. Generators under the control of Maharashtra SLDC
 - a. Koradi (U#8 & U#9)
 - b. Bhuswal (U#4 & U#5)
 - c. Jaigad (U#3 & U#4)
5. Generators under the control of Madhya Pradesh SLDC
 - a. Satpura (U#10 & U#11)
 - b. Singhaji (U#1 & U#2)
6. Generators under the control of Chhattisgarh SLDC
 - a. Korba West (U#3 & U#4)

It was observed that almost the same list of generators mentioned in 496th OCCM are continuing to inject MVAR into grid even when voltage is above nominal.

GM, WRLDC requested SLDC Kalwa to explore possibility of taking support from RES for voltage regulation. He suggested that the reactive charges at the intra state level could be voltage dependent as existing at the interstate level.

The sub-committee noted as above.

11. Status of prolonged outage of Grid Elements

As per information available at WRLDC as on 10th June 2017, following EHV elements are under prolonged outage are

S. No	Element Name	Owner	Outage		Reason	Status as per 496 th OCC
			Date	Time		
1	50 MVAR LR of 400 kV PARLI(MS)-LONIKAND (NEW)-2 at PARLI (MS)	MSET CL	30-10-2015	19:10	Fire Accident in L/R.	Under Procurement
2	240 MVAR BR at 765 kV TIRODA	ATIL	21-03-2016	20:40	Oil leakage and Testing works	Shall be restored in 15 Days
3	50 MVAR LR of 400 kV KANSARI-BHINMAL-1 at KANSARI	PGCIL	05-09-2016	20:45	Gases and Moisture Observed in Reactor	Status shall be intimated
4	400/1200 kV ICT-2 AT BINA(PG)	PGCIL	12-03-2017	06:31	Buchholz relay protection operated	Status shall be intimated
5	400/220 kV BHADRAWATI ICT	PGCIL	15-05-2017	13:35	For Replacement with 250 MVA ICT	
6	125 MVAR BR at 400 kV JHABUA	JHABUA	28-06-2017	13:37	PRD Operated	
7	80 MVAR BR at 400 kV RAIPUR	PGCIL	29-06-2017	10:34	For AMP & gasket replacement and oil leakage arresting work at Raipur	
8	50MVAR LR of 400 kV ITARSI-INDORE-2 at ITARSI	PGCIL	30-06-2017	17:15	PRV Operated	

GM, WRLDC expressed concern on the prolonged outage of several LR/BR in the grid and requested the concerned utilities to expedite their restoration.

The sub-committee noted as above.

12. Notification of Commercial Operation of HVTR (High Voltage Transformer) Section of NHPTL

National High Power Test Laboratory Pvt. Ltd. (NHPTL), a Joint Venture Company of NTPC, NHPC, POWERGRID, DVC and CPRI established online short circuit test facility at Bina in Madhya Pradesh. NHPTL provides short circuit testing facilities for the Power equipment manufacturers and Power utilities.

CERC vide order dated 16.05.16 approved procedure for approval of testing at NHPTL. In brief the approved procedure is as follows:

- a. NHPTL shall apply to WRLDC at least seven (7) days in advance for approval of testing of any High Voltage Transformer (HVTR) test equipment in prescribed format (CERC Order, Format II).
- b. WRLDC shall give its approval within three (3) days of receipt of the application in prescribed format (CERC Order, Format III) considering the grid conditions, anticipated fault levels and/or any other event in the vicinity of the test laboratory with a copy to NLDC and MP SLDC.
- c. On the day of testing, POWERGRID (on the request from NHPTL) shall seek real time code from WRLDC for switching ON the 400/765 kV NHPTL feeder from Bina (PG) substation.
- d. NHPTL would then seek code from WRLDC just before applying short circuit to the test equipment only once for a maximum duration of 250 milliseconds
- e. The real time code shall be issued by WRLDC, in consultation with NLDC and MP SLDC, considering the real time grid conditions and availability of real time SCADA data and PMU data.

In line with approved procedure NHPTL carried out few short circuit tests in July'16, Aug'16, Oct'16 and June'17 before declaration of commercial operation of testing laboratory. Vide letter dated 1st July 17 CEO, NHPTL intimated that High Voltage Transformer (HVTR) section of NHPTL, Stage-I has been under commercial operation w.e.f 1.07.2017. The stage-I shall

cater requirement of short test of transformer from 50 MVA, 132 kV Class to 315 MVA, 400 kV class.

The sub-committee noted as above.

■ Item no 10: Date and Venue of next OCC meeting

The 498th OCC meeting would be held at WRPC Mumbai on 22.08.2017

LIST OF PARTICIPANTS OF 497 th OCC MEETING OF WRPC HELD AT WRPC, MUMBAI ON 20.07.17			
Sl.No.	Organisation, Name & Designation	Mobile No.	E-mail Address
I	WRPC		
1	Shri A. Balan, M.S.	9483540528	ms-wrpc@nic.in
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5	Shri Ratnesh Kumar Yadav, Asst. Dir.-I	9969948089	ratneshkumar7437@gmail.com
II	MSETCL / MSEDCL/MahaGenco/MSPGCL		
6	Shri Sanjay S. Kulkarni, C.E.	9819363329	drsanjaykulkarni@gmail.com
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10	Shri Naina A. Doye, Addl. E.E.	9930128522	nainaad@gmail.com
III	MPPTCL / MPPGCL		
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IV	CSPTCL		
13	Shri A.K. Shrivastava, Addl.C.E.	9827177466	ashokdivyashrivastava@yahoo.co.in
V	GETCo. / GSECL		
14	Shri B.B. Mehta, C.E.	9879200736	celd@gebmail.com
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VI	POSOCO		
16	Shri Vinay Kumar Shrivastav, G.M.	9869450221	vks@posoco.in
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18	Shri K. Muralikrishna, D.G.M.	9869450219	kmuralikrishna@posoco.in
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21	Shri Vivek Pandey, C.M.	9869404673	vivek.pandey@posoco.in
22	Shri S.K. Saha, C.M	9869082694	sksaha@posoco.in
23	Ms. Jyoti Shukla, Sr. Eng.	9869082852	iyotishukla@posoco.in
24	Shri Sunil Patil, Sr. Eng.	9869416089	skpatil@posoco.in
25	Ms. Chitranksi , Mgr.	9869004892	chitranksi@posoco.in
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27	Shri Selvamani Prabaharan N. Eng.	9629125521	selvamani@posoco.in
VII	POWERGRID		
28	Shri C. Sunil Kumar, D.G.M.	9409103968	csunilk@powergridindia.com
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32	Shri Nageswara Rao M., Dy. Mgr.	9423044126	nrao@powergridindia.com
VIII	NTPC		
33	Shri P. Sreenivas, G.M.	9004677573	psreenivas@ntpc.co.in
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36	Shri H.C. Harchandani, A.G.M.	9424209158	hharchandani@ntpc.co.in

37	Shri S.K. Shrivastava, A.G.M.	9425178069	sksrivastava09@ntpc.co.in
38	Shri Santosh Kr. Takhele, A.G.M.	9004472114	sktakhele@ntpc.co.in
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40	Shri S. Sinha, Sr. Mgr.	9424687298	saritsinha@ntpc.co.in
IX	NPCIL		
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43	Shri P.C. Khandelwal, S.O.	9428821923	pckhandelwal@npcil.co.in
44	Shri R.K. Gupta, O.S.	9423081697	rajendragupta@npcil.co.in
X	RELIANCE ADA		
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XII	TATA POWER		
49	Shri Prakash Gadave, Head Grid. Opr.	9223553341	prgadave@tatapower.com
XIII	STERLITE POWER		
50	Shri Vivek Karthikeyan , A.M.	9866903034	vivek.karthikeyan@sterlite.com
XIV	KSK MAHANADI POWER CO. LTD.		
51	Ramakant Upadhyay, Dy. Mgr.	7869916080	ramakant.u@ksk.co.in
XV	GMR		
52	Shri Pramod Khandelwal, G.M.	8390903524	pramod.khandelwal@gmrgroup.in
53	Shri Pankaj Vaidya . G.M.	8451041564	pankaj.vaidya@gmrgroup.in
XVI	Torrent Power		
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XVII	D.B. POWER		
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XVIII	ESSAR POWER CO.LTD.		
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59	Shri Ashish Kakroo, Mgr.	9687668725	ashish.kakroo@essar.com
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XXI	JNSTPP		
62	Shri Vishal Singh, Engr.	7389943865	instpp.eemg@jalindia.co.in
XXII	VEDANTA		
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पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)



पश्चिम क्षेत्र भार प्रेषण केन्द्र

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

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

Ref: WRLDC/SO-I/2017//

Date: 12th July 17

To,

Member Secretary,

WRPC, Mumbai.

Sub: Amendment in Minutes of 496th OCC meeting

Sir,

It is requested that following amendments may be made in the Minutes of 496th OCC meeting.

Agenda Point	496 th OCCM Minutes	Proposed amendment
8.5	"GM, WRLDC suggested that since the project will be funded from PSDF, there will not be any financial burden on any state. He also suggested that a high level meeting involving Gujarat, MP, Maharashtra and NCA can be convened and the project can be carried ahead."	"CE SLDC Gujarat suggested that the project may be funded from PSDF. GM WRLDC said that application has to be made by GETCO/GUVNL or any other beneficiary to NLDC. He also suggested that a high level meeting involving Gujarat, MP, Maharashtra and NCA can be convened and the project can be carried ahead."
8.7	"Further WRLDC urged for installation of 125 MVAR reactor at Dhule end to see whether improvement is observed in voltage profile."	"Further WRLDC informed that installation of 125 MVAR Line reactors is essential for voltage regulation at Dhule so that both lines of 400 kV SSP-Dhule can be kept in service."
8.10	"In the meeting, GM, WRLDC informed that it was one of the rarest of rare cases happened and ensured that it will not happen in future. He further informed that after commissioning of 400 kV Lara-Champa D/c line, reliability will further be improved."	"In the meeting, GM, WRLDC said that it was POWERGRID should take necessary measures to ensure that it does not happen in future. He further informed that after commissioning of 400 kV Lara-Champa D/c line, reliability for evacuation of NTPC Lara will further be improved."
9.2	"Goa SLDC at Madgaon started functioning from 1st June 2017"	"Goa SLDC at Madgaon started functioning from 09 th May 2017"

स्वहित एवं राष्ट्र हित में ऊर्जा बचाये

Save Energy for Benefit of Self and Nation

पंजीकृत कार्यालय : बी-9, कुतब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110 016 दूरभाष : 011-26560121 फैक्स : 26601081
Registered Office : B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110 016. Tel.: 011-26560121 Fax : 26601081

	<i>but hot line phone is not working."</i>	<i>but hot line phone is not working."</i>
9.7	<i>Chief Engineer, SLDC Maharashtra informed that after first REIF meeting, there is significant improvement in RES Telemetry in Maharashtra System.</i>	<i>"Chief Engineer, SLDC Maharashtra informed that after first REIF meeting, there is significant improvement in RES Telemetry in Maharashtra System. GM, WRLDC stated that data visibility of Wind RE should be 100%. He suggested that the second meeting of the Renewable Integration Forum needs to be organized as soon as possible for further coordination."</i>

Apart from the above the viewpoint of WRLDC in the following Agenda points have not been recorded in the MoM.

Agenda 9.8

GM, WRLDC emphasized that Compliance of Wind generators to LVRT is essential for reliable and secure operation of Grid.

Agenda 9.9

GM WRLDC stated that the large imbalance during load changeover in Maharashtra needs to be controlled by load staggering. He added that the issue was also discussed in the FOLD meeting on 12 June wherein it was suggested that schedule for manual load rostering could be in 5-min interval instead of 15-min interval.

Agenda 9.11

GM WRLDC advised the beneficiaries to expedite commissioning of the BR and LR envisaged in the transmission plan approved in the CEA Standing Committee meetings.


Agenda 9.12

GM WRLDC stated that the augmentation in shunt reactive compensation in South Maharashtra is urgently required and advised MSETCL to expedite the same.

It is requested that the above amendments and proposed recordings for agenda points may be incorporated in the 496th OCC Minutes.

Thanking you,

Yours Sincerely,


(Abhimanyu Gartia)

Additional General Manager

माह जून 2017 में आवृत्ति के आंकड़ों का विवरण
(पश्चिम क्षेत्र भार प्रेषण केन्द्र की आवृत्ति रिपोर्ट के आधार पर)
FREQUENCY PARTICULARS DURING JUNE 2017
(AS PER FREQUENCY REPORT OF WRLDC)

1. INTEGRATED OVER AN-HOUR
एक घंटे में समाकलित

1.1 MAXIMUM FREQUENCY अधिकतम आवृत्ति	50.15	Hz. BETWEEN 1800 Hrs & 1900 Hrs	Hrs. ON 19.06.2017
1.2 MINIMUM FREQUENCY न्यूनतम आवृत्ति	49.85	Hz. BETWEEN 0000 Hrs & 0100 Hrs	Hrs. ON 04.06.2017
1.3 AVERAGE FREQUENCY औसत आवृत्ति	50.00	Hz.	

2. INSTANTANEOUS तात्कालिक

2.1 MAXIMUM FREQUENCY अधिकतम आवृत्ति	50.26	Hz. AT 18:46:20 Hrs.	ON 19.06.2017
2.2 MINIMUM FREQUENCY न्यूनतम आवृत्ति	49.72	Hz. AT 22:11:40 hrs	Hrs. ON 2.06.2017

3. %AGE OF TIME WHEN FREQUENCY WAS आवृत्ति का समय प्रतिशत में	JUNE 2017	MAY 2017	APRIL 2017
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	0.00	0.00	0.00
3.6 BETWEEN 49.7 Hz. AND 49.9 Hz. 49.7 हर्ट्ज और 50.2 हर्ट्ज के बीच	5.81	9.09	9.05
3.7 BETWEEN 49.9 Hz. AND 50.05 Hz. 49.9 हर्ट्ज और 50.05 हर्ट्ज के बीच	75.50	71.45	74.49
3.8 BETWEEN 50.05 Hz. AND 51.5 Hz. 50.05 हर्ट्ज और 51.5 हर्ट्ज के बीच	18.69	19.46	16.45
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

निम्नलिखित रूपरेखा जून 2017
Voltage Profile during the month of June'2017

संलग्नक Annex-2.3

दिनांक	भोपाल		खडवा		इटारसी		दमोह		नागदा		इंदौर		ग्वालियर		रायपुर		रायगढ़	
Date	Bhopal		Khandwa		Itarsi		Damoh		Nagda		Indore		Gwalior		Raipur		Raigarh	
	400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	417	401	425	407	411	396	418	406	417	401	415	398	414	395	420	413	422	415
2	412	399	421	407	407	395	419	406	416	401	412	399	411	391	418	410	421	415
3	416	400	424	407	410	396	414	405	416	400	415	399	407	389	420	411	423	409
4	415	396	423	405	411	393	415	402	416	400	415	398	410	386	422	410	425	412
5	423	386	421	395	412	385	416	397	417	396	417	391	414	389	420	411	421	412
6	416	400	423	406	412	397	422	406	417	401	415	399	409	390	422	415	422	415
7	418	402	424	408	414	398	420	410	419	403	417	401	421	388	422	415	421	416
8	417	401	426	410	413	396	420	406	421	406	418	403	414	393	423	415	423	416
9	414	401	422	407	410	397	417	406	419	402	414	399	412	387	420	414	422	414
10	416	403	425	409	412	399	415	405	421	403	418	401	408	390	420	413	422	411
11	414	401	421	409	409	397	417	406	416	403	414	401	408	388	420	415	423	418
12	413	402	420	407	408	397	416	405	415	400	413	400	408	390	419	414	423	419
13	411	400	418	407	406	396	415	405	413	400	411	399	412	390	420	413	422	415
14	414	399	421	406	409	395	414	404	416	399	415	398	415	398	419	412	423	416
15	415	398	421	405	410	394	415	405	418	403	416	400	417	387	422	412	424	417
16	419	402	426	408	414	398	417	406	419	403	417	400	419	390	422	417	425	417
17	414	401	421	405	409	396	421	407	417	401	415	399	415	394	421	413	426	415
18	413	399	420	407	409	396	415	406	416	404	415	402	415	394	419	413	422	416
19	415	397	420	404	409	394	416	405	415	400	413	398	416	396	419	412	422	417
20	411	399	419	403	408	393	419	404	415	400	412	398	411	385	418	412	422	417
21	415	400	421	407	413	398	416	406	416	403	414	401	412	388	422	414	424	419
22	415	402	421	409	412	400	417	407	420	406	417	403	418	388	421	416	424	419
23	414	403	422	408	411	400	418	407	421	409	417	405	414	390	420	415	422	417
24	414	403	422	411	411	400	418	407	419	407	417	405	414	386	420	415	422	418
25	415	402	422	410	412	399	418	409	420	408	418	406	412	389	423	416	424	416
26	417	407	423	410	413	402	418	406	420	408	419	406	413	391	424	418	425	419
27	417	406	423	410	413	402	421	411	420	407	418	405	414	394	424	416	424	417
28	420	406	423	411	415	400	421	400	419	406	417	405	415	396	422	417	426	419
29	415	405	420	409	411	401	425	412	418	409	416	407	413	391	421	416	423	419
30	419	405	420	406	414	401	423	411	417	406	415	405	412	392	423	417	426	418
	423	386	426	395	415	385	425	397	421	396	419	391	421	385	424	410	426	409

दिनांक	भिलाई		वर्धा		धुले		परली		बोईसर		कलवा		कराड		असोज		देहगाम	
Date	Bhilai		Wardha		Dhule		Parli		Boisar		Kalwa		Karad		Asoi		Dehgam	
	400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV	
	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम	अधिकतम	न्युनतम
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	416	409	425	414	429	403	421	395	413	393	422	394	430	405	412	397	424	411
2	414	407	422	413	425	403	422	395	411	396	420	400	425	403	412	395	425	410
3	416	407	427	414	431	404	426	394	416	388	421	392	430	405	412	396	424	408
4	418	407	425	413	427	403	427	403	413	393	423	400	429	412	410	397	424	412
5	416	406	424	418	427	398	423	397	408	388	417	392	430	408	411	391	426	407
6	417	410	426	415	429	403	425	399	408	387	421	394	427	408	410	394	424	408
7	418	411	424	416	429	405	428	406	415	393	423	397	428	410	412	393	425	408
8	419	410	425	419	431	408	424	407	417	398	426	401	430	413	415	399	428	413
9	417	410	424	410	430	405	426	398	417	399	425	400	428	411	413	396	427	410
10	416	409	426	418	432	410	428	409	419	398	430	405	431	409	418	398	433	412
11	417	411	426	420	427	411	428	412	413	397	425	406	430	414	413	399	428	414
12	416	411	426	418	431	408	426	406	417	391	428	398	428	413	413	395	427	409
13	416	409	426	415	426	404	425	409	414	393	426	400	429	414	410	396	426	409
14	415	409	425	417	430	409	429	409	411	392	424	398	428	410	412	395	426	384
15	418	408	427	418	429	411	431	413	415	395	425	402	427	413	413	398	426	400
16	418	412	427	419	429	411	428	413	411	398	424	405	429	416	412	397	425	400
17	417	408	425	415	428	405	430	408	414	394	428	399	431	413	411	396	423	400
18	415	409	425	417	429	408	425	413	412	398	425	406	429	415	410	400	424	400
19	415	408	424	414	427	406	427	410	413	392	424	398	429	414	411	395	425	408
20	414	408	422	414	429	406	426	409	411	393	422	399	429	412	409	396	422	409
21	418	410	425	413	429	409	426	410	412	392	423	398	426	409	412	396	425	410
22	417	412	423	415	428	408	428	408	412	393	423	401	427	414	414	396	427	382
23	416	411	424	413	430	408	428	405	414	396	426	402	428	412	415	399	428	400
24	416	410	423	417	428	413	432	409	413	397	425	402	429	409	415	401	428	412
25	419	412	425	418	431	414	431	412	421	405	431	409	432	413	418	405	429	418
26	421	414	426	414	432	412	430	408	420	401	432	408	430	413	418	402	424	416
27	420	413	426	418	433	400	430	411	418	397	429	405	430	413	416	402	430	415
28	418	412	424	422	433	415	431	408	422	400	432	406	428	412	417	403	430	415
29	417	413	426	421	431	413	429	405	423	401	433	409	432	415	416	404	430	420
30	420	413	430	414	431	412	429	406	422	404	431	411	432	414	417	402	432	415
	421	406	430	410	433	398	432	394	423	387	433	392	432	403	418	391	433	382

दिनांक	कासोर		जैतपुर		अमरेली		वापी		मापुसा		कला		मगरवाड़ा		हज़ीरा	
Date	Kasor		Jetpur		Amreli		Vapi		Mapusa		Kala		Magarwada		Hazira	
	400kV		400kV		400kV		400kV		400kV		400kV		400kV		400kV	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	419	410	412	403	418	408	413	393	421	388	411	390	413	395	415	399
2	420	408	415	400	421	404	413	397	417	387	410	394	410	397	415	396
3	419	406	413	400	419	404	418	386	429	387	416	386	418	393	416	392
4	418	408	410	402	416	406	414	395	433	409	410	392	413	395	414	397
5	419	406	411	399	416	404	411	389	428	395	407	386	408	390	413	390
6	418	406	411	399	420	404	409	385	426	396	405	383	407	387	411	391
7	419	406	410	401	416	406	414	393	426	399	412	390	415	393	413	389
8	421	409	410	403	417	409	417	397	431	408	413	394	416	397	417	394
9	420	407	414	402	418	407	418	397	428	405	414	394	416	398	416	393
10	423	408	414	402	420	405	423	399	430	396	418	395	419	398	424	395
11	419	408	414	400	420	407	416	398	430	400	412	396	414	398	414	393
12	421	408	412	401	417	405	419	392	429	410	416	388	417	396	416	392
13	418	408	410	401	416	406	416	394	428	396	412	388	414	393	414	392
14	419	408	411	402	416	406	413	393	423	394	410	390	412	391	413	391
15	420	410	413	399	417	402	416	393	428	403	413	392	416	397	416	397
16	418	409	410	401	417	405	413	398	428	402	410	397	412	399	410	388
17	419	408	411	402	416	405	414	395	429	404	411	393	414	399	411	392
18	418	409	411	402	416	406	415	400	427	405	412	397	414	401	413	397
19	419	408	414	401	418	403	415	393	428	404	412	391	414	395	415	393
20	417	408	411	400	415	402	413	395	425	408	409	390	411	394	411	392
21	419	408	413	400	417	405	415	394	424	397	411	390	412	394	414	394
22	421	408	411	402	416	406	416	394	422	393	411	390	412	393	419	396
23	421	410	412	402	418	406	417	397	423	399	412	392	415	397	419	400
24	421	411	412	402	417	407	416	400	424	403	413	397	414	398	420	400
25	423	414	415	403	421	409	423	411	425	401	421	406	423	409	420	405
26	423	412	411	402	414	409	423	423	425	399	419	400	420	403	415	407
27	422	412	411	402	417	407	423	402	426	402	416	397	418	400	419	396
28	423	412	413	404	418	411	426	405	426	398	421	395	422	403	418	396
29	422	414	416	406	420	410	420	405	430	405	421	403	424	404	418	397
30	423	412	418	404	420	409	426	405	425	398	421	401	422	404	418	393
	423	406	418	399	421	402	426	385	433	387	421	383	424	387	424	388

दिनांक	सासन		सतना		तमनार		कोटरा		वडोदरा		दुर्ग		ग्वालियर		सिपत		सियोनि		वर्धा		बीना		इंदौर	
Date	Sasan		Satna		Tamnar		Kotra		Vadodara		Durg		Gwalior		Sipat		Seoni		Wardha		Bina		Indore	
	765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv		765Kv	
	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	अधिकतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम	अधिकतम	न्यूनतम
	Max	Min	Max	Min	Max	Max	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	776	757	788	758	797	783	799	783	786	753	797	778	800	763	769	756	789	765	802	774	790	761	780	753
2	769	754	777	754	792	783	793	782	784	749	788	774	795	756	767	753	784	759	800	770	783	758	778	749
3	767	752	775	755	800	783	801	784	789	756	797	778	787	753	771	757	790	764	804	776	786	758	786	749
4	775	749	788	748	803	776	804	774	785	752	795	772	792	749	776	754	793	761	803	771	790	753	780	743
5	777	750	788	746	793	778	794	778	789	743	796	773	790	751	766	750	786	747	803	782	788	749	785	734
6	774	755	781	751	795	782	796	782	785	751	802	778	789	752	767	753	788	764	802	777	781	757	784	747
7	780	748	790	750	795	780	796	779	788	753	793	774	805	749	769	757	788	767	801	779	790	749	782	749
8	774	755	786	756	797	782	798	781	792	763	799	780	797	757	770	758	790	770	803	782	786	754	782	753
9	774	756	782	757	794	784	794	783	786	752	790	780	791	750	767	756	785	762	803	772	780	752	780	753
10	772	756	779	755	795	785	796	785	796	759	790	780	787	754	769	759	787	770	803	783	778	756	784	753
11	772	755	780	755	796	787	797	787	785	758	790	790	789	753	771	760	787	769	801	786	780	753	779	757
12	765	753	771	754	800	788	801	790	788	751	799	790	782	749	767	758	784	768	803	786	771	751	777	754
13	769	754	776	754	796	784	797	783	780	753	794	785	789	753	765	755	781	764	803	777	774	750	773	748
14	771	759	780	761	799	787	798	785	787	755	794	785	789	759	764	756	782	766	807	785	781	756	782	749
15	773	754	783	750	801	783	800	782	790	763	802	728	793	743	770	747	789	761	808	761	782	743	787	753
16	773	756	784	755	804	783	806	782	788	761	798	765	798	749	773	762	790	769	804	776	786	753	789	757
17	771	757	779	757	809	782	810	781	787	757	810	779	794	757	771	758	784	764	800	774	781	757	782	753
18	773	755	784	754	794	783	795	782	786	763	793	781	794	756	768	759	784	767	799	780	781	755	782	755
19	774	753	786	749	798	786	798	786	783	755	797	777	793	753	768	758	785	766	800	759	783	751	787	744
20	771	750	779	743	793	784	794	784	782	758	789	778	794	745	768	758	783	763	799	776	779	747	783	746
21	773	753	782	752	799	786	800	786	784	761	797	778	796	750	773	762	789	768	804	775	786	756	783	754
22	769	752	778	750	798	789	799	789	788	760	796	787	799	752	772	763	788	771	800	781	787	755	783	757
23	767	754	775	752	796	783	797	783	791	764	796	773	790	750	771	760	786	765	799	769	779	751	782	758
24	771	756	781	757	794	785	795	784	789	765	796	786	796	749	770	762	787	772	800	782	788	756	782	759
25	770	756	779	753	800	783	800	782	797	774	800	779	789	749	773	758	790	768	803	780	785	751	785	757
26	771	759	782	762	801	788	802	787	797	768	808	779	793	758	777	766	792	771	802	772	790	768	785	761
27	774	755	784	754	798	790	799	789	795	767	791	781	796	759	773	763	790	774	800	781	792	766	784	759
28	779	757	788	759	802	790	800	792	794	769	801	765	802	765	774	762	793	774	806	774	797	766	786	761
29	773	756	788	756	798	789	799	790	792	770	801	790	796	757	770	761	789	772	802	785	790	763	780	762
30	777	755	784	757	801	787	802	789	791	768	801	782	798	759	774	761	797	768	807	767	793	763	781	758
	780	748	790	743	809	776	810	774	797	743	810	728	805	743	777	747	797	747	808	759	797	743	789	734

Power Cut/Restrictions in Western Region for the month of June-2017**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) 08 Hrs. power supply in staggered form in rotation of day & night is given to Ag. Single Phase supply given during rest of 16 Hrs by providing LSTC.

b) Jyotigram Yojana 24 hrs.

3 अन्य जानकारी

3. **Any other information:** NIL.**ख : मध्य प्रदेश Madhya Pradesh**

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

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

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

2 कृषि क्षेत्र को विद्युत आपूर्ति

2. Power supply to Agricultural Sector: -

विवरण Details	से From दिनांक Date	तक To दिनांक Date	प्रति दिन आपूर्ति घंटे Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
2.1 Three-Phase Supply(DLF)	01.06.2017	30.06.2017	23:18	21:56	22:42
2.1 Three-Phase Supply(Irrigation)	01.06.2017	30.06.2017	23:28	22:27	23:00
2.1 Three-Phase Supply(Mixed)	01.06.2017	30.06.2017	09:43	09:13	09:31

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 (Hrs)
3.1 Commissionerary H. Qtrs.	01.06.2017	30.06.2017	23:53	23:22	23:42
3.2 District Head Qtrs.	01.06.2017	30.06.2017	23:54	23:20	23:43
3.3 Tehsil Head Qtrs.	01.06.2017	30.06.2017	23:46	23:17	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 (b) Load Shedding From 01.06.17 to 30.06.17	शून्य Nil @ 0-00 MW	शून्य Nil 00.00	शून्य Nil 24.00	शून्य Nil @ 0.00MUs/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	01.06.2017	30.06.2017	10:00	8:00	09:00
2.2 Single-Phase Supply	01.06.2017	30.06.2017	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 55.86 MW (Avg) For 60:57 Hrs 2.Town Feeders (C-1to C-6 & X) : 0.00(Av)	-	-	0.11
				-
	3. Industries NIL			0.00
Total Energy Cut/day				0.11
(b) Any other information				
1.Weekly Off/staggering of power supply	-	-	-	-

2 कृषि क्षेत्र को विद्युत आपूर्ति

2. Power supply to Agricultural Sector

विवरण Details	से From दिनांक Date	तक To दिनांक Date	प्रति दिन आपूर्ति घंटे Supply Hours per day		
			Max. (Hrs)	Min. (Hrs)	Average (Hrs)
2.1 Three-Phase Supply	01.06.2017 to 30.06.2017				18.00
2.2 Single-Phase Supply	-	-	-	-	-
2.3 Remarks/Note/	-	-	-	-	-

3 अन्य जानकारी / Any other information: शून्य Nil

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)



पश्चिम क्षेत्र भार प्रेषण केन्द्र

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

WESTERN REGIONAL LOAD DESPATCH CENTRE

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

संलग्नक Annex-2.6

अनिवार्य युनिट आऊटेज का जून 2017 का विस्तारित ब्यौरा
Details of forced unit outages during the month of June 2017

अनु क्रमांक Sl.No	युनिट Unit	संघटक Constituent/IPP	क्ष Cap.MW	From		From		Reason
				समय Time	दिनांक Date	समय Time	दिनांक Date	
1.	Ukai-2	GSECL	120	16:00	09-04-2016	Still out	Still out	Long restoration period
2.	Ukai 1	GSECL	120	03:18	07-05-2016	Still out	Still out	Excitation problem
3.	एसटोपोएस STPS 2	GSECL	120	13:05	24-09-2016	Still out	Still out	Bunker problem
4.	एसटोपोएस STPS 1	GSECL	120	18:00	26-09-2016	Still out	Still out	RSD
5.	s DGBP 1	GSECL	107	02:10	08-04-2017	Still out	Still out	RSD
6.	Hazira(Extn)	GSECL	351	23:28	04-05-2017	Still out	Still out	RSD
7.	DGBP 3	GSECL	375	23:34	13-05-2017	Still out	Still out	Taken in RSD
8.	GPPC 1	GSECL	351	03:44	23-05-2017	20:32	27-06-2017	RSD
9.	GPPC 2	GSECL	351	23:58	01-06-2017	Still out	Still out	RSD
10.	GPEC 1	GSECL	218	15:03	02-06-2017	16:07	10-06-2017	RSD
11.	SLPP 4	GSECL	125	15:36	02-06-2017	09:47	05-06-2017	BTL
12.	जीटोपोएस GTPS-3	GSECL	210	00:34	03-06-2017	02:48	06-06-2017	BTL
13.	GPEC 3	GSECL	218	16:00	03-06-2017	16:01	10-06-2017	RSD
14.	GPEC 2	GSECL	218	20:40	03-06-2017	11:02	10-06-2017	RSD
15.	UTRAN STG II 1	GSECL	375	22:30	03-06-2017	17:11	14-06-2017	RSD
16.	Ukai 6	GSECL	500	06:27	05-06-2017	Still out	Still out	Rotor Earth fault
17.	जीटोपोएस GTPS 3	GSECL	210	15:27	06-06-2017	03:36	15-06-2017	RSD
18.	वानकबोरी Wanakbori 2	GSECL	210	07:44	10-06-2017	16:40	14-06-2017	RSD
19.	एसटोपोएस STPS 3	GSECL	250	18:25	10-06-2017	23:18	15-06-2017	RSD
20.	GPEC 1	GSECL	218	21:19	11-06-2017	Still out	Still out	RSD
21.	GPEC 3	GSECL	218	06:56	15-06-2017	17:14	26-06-2017	RSD
22.	GPEC 2	GSECL	218	08:13	15-06-2017	23:14	20-06-2017	RSD

23.	UTRAN STG II 1	GSECL	375	23:43	15-06-2017	Still out	Still out	RSD
24.	टोपीएस GTPS 4	GSECL	210	19:05	16-06-2017	Still out	Still out	RSD
25.	एसटोपीएस STPS 4	GSECL	250	19:40	17-06-2017	Still out	Still out	Choke up in boiler RHS/RSD since 1 st July' 17
26.	वानकबोरी Wanakbori 1	GSECL	210	22:00	19-06-2017	Still out	Still out	RSD
27.	वानकबोरी Wanakbori 5	GSECL	210	12:40	19-06-2017	03:55	27-06-2017	RSD
28.	वानकबोरी Wanakbori 2	GSECL	210	18:05	19-06-2017	Still out	Still out	RSD
29.	वानकबोरी Wanakbori 6	GSECL	210	20:23	19-06-2017	16:00	27-06-2017	RSD
30.	वानकबोरी Wanakbori 4	GSECL	210	15:30	21-06-2017	21:30	26-06-2017	RSD
31.	BECL 2	GSECL	250	01:31	23-06-2017	01:05	28-06-2017	Coal mill problem.
32.	टोपीएस GTPS 3	GSECL	210	18:47	24-06-2017	04:09	27-06-2017	RSD
33.	एएलटोपीएस ALTPS 2	GSECL	125	05:11	27-06-2017	10:19	03-07-2017	Bus fault occurred
34.	GPEC 3	GSECL	218	15:01	27-06-2017	Still out	Still out	RSD
35.	GPEC 2	GSECL	218	15:28	27-06-2017	Still out	Still out	RSD
36.	BECL 1	GSECL	250	10:05	28-06-2017	Still out	Still out	Main steam temperature low
37.	जोटोपीएस GTPS3	GSECL	210	13:11	28-06-2017	Still out	Still out	RSD
38.	वानकबोरी Wanakbori 7	GSECL	210	07:29	29-06-2017	Still out	Still out	RSD
39.	वानकबोरी Wanakbori 6	GSECL	210	10:28	29-06-2017	Still out	Still out	RSD
40.	वानकबोरी Wanakbori 5	GSECL	210	16:36	29-06-2017	Still out	Still out	RSD
41.	वानकबोरी Wanakbori 3	GSECL	210	18:54	29-06-2017	Still out	Still out	RSD
42.	BECL 2	GSECL	250	03:42	30-06-2017	Still out	Still out	Coal feeding problem
43.	SLPP 1	GSECL	125	17:00	30-06-2017	Still out	Still out	RSD
44.	SLPP 4	GSECL	125	17:20	30-06-2017	12:54	03-07-2017	RSD
45.	Koradi-6	MAHAGENCO	210	01:02	20-03-2015	Still out	Still out	Economic shutdown
46.	परलो Parli 4	MAHAGENCO	210	19:47	05-07-2015	Still out	Still out	Economic shutdown since 1st Apr' 16
47.	परलो Parli 5	MAHAGENCO	210	14:55	06-07-2015	Still out	Still out	Economic shutdown since 1st Apr' 16
48.	डबल्यूपासाएल WPCL 1	MAHAGENCO	135	17:03	16-02-2016	Still out	Still out	Low Schedule
49.	डबल्यूपासाएल WPCL 2	MAHAGENCO	135	21:46	29-02-2016	Still out	Still out	Change over against unit-3 as per scheduled dispatch
50.	Bhusawal 2	MAHAGENCO	210	19:35	14-06-2016	Still out	Still out	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)
51.	Koradi 5	MAHAGENCO	200	00:21	05-09-2016	Still out	Still out	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work
52.	PIONEER(262+127) 1	MAHAGENCO	388	17:45	07-02-2017	Still out	Still out	Low schedule
53.	नासेक NASIK3	MAHAGENCO	210	11:30	29-05-2017	12:45	17-06-2017	BTL
54.	VIPL 2	MAHAGENCO	300	23:51	29-05-2017	05:52	12-06-2017	Gas formation in GT.
55.	परलो PARLI 8	MAHAGENCO	250	21:58	31-05-2017	07:34	12-06-2017	Coal Shortage

56.	Jaigad 2	MAHAGENCO	300	23:58	31-05-2017	Still out	Still out	Low schedule
57.	KORADI(MSEDCL) 8	MAHAGENCO	660	00:20	11-06-2017	12:24	14-06-2017	To attend duct leakage
58.	परलो PARLI 7	MAHAGENCO	250	00:04	13-06-2017	Still out	Still out	Low schedule
59.	Bhusawal 3	MAHAGENCO	210	06:01	13-06-2017	Still out	Still out	Low schedule
60.	VIPL 1	MAHAGENCO	300	08:30	13-06-2017	Still out	Still out	GT work
61.	परलो PARLI 6	MAHAGENCO	250	00:02	14-06-2017	Still out	Still out	No schedule
62.	चद्रपुर Chandrapur 4	MAHAGENCO	210	20:31	16-06-2017	05:56	20-06-2017	BTL
63.	परलो PARLI 8	MAHAGENCO	250	00:08	17-06-2017	Still out	Still out	Low schedule
64.	नासेक NASIK 5	MAHAGENCO	210	15:35	17-06-2017	16:45	01-07-2017	Low schedule
65.	डबल्यूपीसीएल WPCL 4	MAHAGENCO	135	09:01	23-06-2017	Still out	Still out	Coal Shortage
66.	Bhusawal 4	MAHAGENCO	500	00:38	24-06-2017	Still out	Still out	Hydrogen leakage
67.	Bhusawal 5	MAHAGENCO	500	00:00	26-06-2017	Still out	Still out	Less schedule
68.	Khaparkheda 4	MAHAGENCO	210	10:20	26-06-2017	Still out	Still out	Low schedule
69.	Khaparkheda 3	MAHAGENCO	210	23:50	27-06-2017	Still out	Still out	Low schedule
70.	Khaparkheda 1	MAHAGENCO	210	23:51	27-06-2017	Still out	Still out	Low schedule
71.	Jaigad 1	MAHAGENCO	300	13:29	28-06-2017	16:14	04-07-2017	Water leakages
72.	Khaparkheda 5	MAHAGENCO	500	23:57	28-06-2017	Still out	Still out	Low schedule
73.	Uran 5	MAHAGENCO	108	00:50	30-06-2017	17:45	04-07-2017	R & M work
74.	RGPPL-1B	RGPPL	320	23:00	31-03-2014	Still out	Still out	Dry preservation/Gas shortage
75.	RGPPL-1A	RGPPL	320	13:30	8-07-2014	Still out	Still out	Less requisition
76.	RGPPL 2A	RGPPL	332	18:05	18-05-2017	Still out	Still out	Unit change over
77.	RGPPL 3B	RGPPL	332	16:02	02-06-2017	10:45	07-06-2017	Exhaust enclosure fan high vibration
78.	RGPPL 2B	RGPPL	332	13:24	07-06-2017	Still out	Still out	As per schedule; Change over of units as 3b is available
79.	टोपीपी AMRAVATI TPP(INDIABULL)-1	RATTAN POWER INDIA LTD	270	03:27	24-05-2017	Still out	Still out	Flame failure
80.	टोपीपी AMRAVATI TPP(INDIABULL)-3	RATTAN POWER INDIA LTD	270	14:31	05-06-2017	Still out	Still out	low schedule, Change over of unit-5
81.	टोपीपी AMRAVATI TPP(INDIABULL)-4	RATTAN POWER INDIA LTD	270	00:20	09-06-2017	Still out	Still out	Low Schedule
82.	टोपीपी AMRAVATI TPP(INDIABULL)-5	RATTAN POWER INDIA LTD	270	01:39	09-06-2017	Still out	Still out	Low Schedule
83.	टोपीपी AMRAVATI TPP(INDIABULL)-2	RATTAN POWER INDIA LTD	270	04:24	09-06-2017	Still out	Still out	Low Schedule

84.	Satpura II 6	MPPGCL	200	11:50	21-02-2017	Still out	Still out	Deaerator Problem
85.	Satpura II 7	MPPGCL	210	15:00	10-03-2017	Still out	Still out	RSD
86.	Satpura III 9	MPPGCL	210	20:34	07-05-2017	Still out	Still out	RSD
87.	Satpura III 8	MPPGCL	210	18:17	08-05-2017	Still out	Still out	RSD
88.	<u>सिंगाजी</u> Singaji 2	MPPGCL	600	18:50	29-05-2017	Still out	Still out	RSD
89.	<u>सिंगाजी</u> Singaji1	MPPGCL	600	13:45	09-06-2017	Still out	Still out	RSD
90.	MB Power 2	MPPGCL	600	05:45	12-06-2017	15:19	16-06-2017	ID fan problem
91.	<u>एसजीटोपीएस</u> SGTTPS 1	MPPGCL	210	08:29	14-06-2017	00:06	18-06-2017	BTL
92.	Satpura IV-2	MPPGCL	250	16:27	14-06-2017	20:00	18-06-2017	Electrical protection operated
93.	<u>एसजीटोपीएस</u> SGTTPS 4	MPPGCL	210	13:45	18-06-2017	Still out	Still out	RSD
94.	<u>एसजीटोपीएस</u> SGTTPS 2	MPPGCL	210	15:46	18-06-2017	Still out	Still out	RSD
95.	Amarkantak 5	MPPGCL	21	00:00	18-06-2017	22:05	26-06-2017	To attend turbine problem
96.	<u>एसजीटोपीएस</u> SGTTPS 4	MPPGCL	210	13:45	18-06-2017	Still out	Still out	RSD
97.	<u>एसजीटोपीएस</u> SGTTPS 2	MPPGCL	210	15:46	18-06-2017	Still out	Still out	RSD
98.	<u>एसजीटोपीएस</u> SGTTPS 3	MPPGCL	210	12:02	21-06-2017	Still out	Still out	RSD
99.	Marwa TPS 2	CSPGCL	500	09:46	02-06-2017	02:15	06-06-2017	BTL
100.	KORBA(E) 6	CSPGCL	120	09:30	03-06-2017	11:10	06-06-2017	BTL
101.	CGPL 30	CGPL	830	01:34	18-05-2017	Still out	Still out	HP Heater & Bottom ash hopper Problem
102.	CGPL 10	CGPL	830	20:43	08-06-2017	Still out	Still out	Re heater spray line leakage
103.	CGPL 40	CGPL	830	12:40	17-06-2017	14:28	21-06-2017	BTL
104.	EPGL 1	ESSAR	600	22:07	13-06-2017	17:51	24-06-2017	Cooling water shortage
105.	APL Mundra 6	Adani Power Ltd	660	02:58	27-04-2017	04:26	19-06-2017	Critical Coal Stock Position
106.	APL Mundra 5	Adani Power Ltd	660	02:46	03-05-2017	01:19	23-06-2017	Deterioration in coal stock position
107.	APL Mundra 4	Adani Power Ltd	330	02:04	25-05-2017	16:16	24-06-2017	Capital overhauling
108.	<u>तिरोड़ा</u> APML Tiroda 5	Adani Power Ltd	660	18:09	28-05-2017	17:30	13-06-2017	Due to delayed E/F protection stage 1 operated (765kV Koradi-Tirora-1 tripped at 18:09hrs).
109.	APL Mundra 9	Adani Power Ltd	660	02:30	09-06-2017	00:33	15-06-2017	Due to HPH-1 inlet MOV having heavy leakage
110.	<u>तिरोड़ा</u> APML Tiroda 2	Adani Power Ltd	660	21:43	12-06-2017	07:31	16-06-2017	APH-A, PA duct bellow leakage
111.	<u>तिरोड़ा</u> APML Tiroda 1	Adani Power Ltd	660	17:27	15-06-2017	11:24	19-06-2017	IP -LP turbine crossover pipe thermo well leakage
112.	APL Mundra 9	Adani Power Ltd	660	19:35	16-06-2017	12:09	21-06-2017	Condenser Tube leakage
113.	APL Mundra1	Adani Power Ltd	330	02:35	20-06-2017	22:35	04-07-2017	Coal shortage
114.	APL Mundra 2	Adani Power Ltd	330	13:43	23-06-2017	18:11	04-07-2017	Deterioration in coal stock position
115.	APL Mundra 3	Adani Power Ltd	330	17:58	24-06-2017	Still out	Still out	Deterioration of coal stock position

116.	APL Mundra 4	Adani Power Ltd	330	20:22	26-06-2017	Still out	Still out	Deterioration in coal stock position
117.	EMCO II	GMR EMCO	300	15:11	19-06-2017	Still out	Still out	Cooling water line leakage.
118.	एस्सार ESSAR(Mahan) I	ESSAR	600	04:16	21-06-2017	02:02	27-06-2017	Air preheater problem
119.	टौआरएन एनाजे TRN Energy 1	ACBIL	300	01:45	19-05-2017	11:50	21.06.2017	Technical problem in Ash evacuation system of the plant
120.	टौआरएन एनाजे TRN Energy 2	ACBIL	300	15:24	20-05-2017	20:04	20-06-2017	Technical problem in Ash evacuation system of the plant
121.	टौआरएन एनाजे TRN Energy 2	ACBIL	300	20:04	20-06-2017	13:10	24-06-2017	Water shortage
122.	टौआरएन एनाजे TRN Energy 1	ACBIL	300	09:43	22-06-2017	10:27	01-07-2017	Furnace pressure low, Later reported as Ash handling problem
123.	ACBIL 2	ACBIL	135	22:04	22-06-2017	05:14	25-06-2017	BTL
124.	MCCPL 1	ACBIL	300	12:25	23-06-2017	04:56	27-06-2017	MFT operated
125.	Vandana -1	VANDANA	135	15:00	9-01-2015	Still out	Still out	BTL (DE-LILO on 22.04.2017 at 11:11 hrs from Korba-Birshingpur-1)
126.	JPL Stg-II 3	JPL	600	09:54	17-06-2016	Still out	Still out	Less schedule/RSD
127.	JPL Stg-II 4	JPL	600	13:59	11-12-2016	19:49	09-06-2017	Taken out after COD test
128.	JPL Stg-II 2	JPL	600	07:46	27-05-2017	08:40	24-06-2017	Due to heavy leakage in Boiler Valve-1, Main Steam Stop.
129.	JPL Stg-II 1	JPL	600	00:00	11-06-2017	Still out	Still out	Taken out due to coal feeding problem
130.	JPL Stg-II 4	JPL	600	16:13	24-06-2017	Still out	Still out	Loss of all fuel due to heavy jerk
131.	UNOSUGEN-1	TPGL	382	21:55	04-03-2016	Still out	Still out	RSD
132.	DGEN-52	TPGL	400	20:00	25-11-2016	Still out	Still out	No schedule
133.	DGEN-51	TPGL	400	19:28	02-12-2016	Still out	Still out	No schedule
134.	DGEN-53	TPGL	400	19:12	23-12-2016	Still out	Still out	Low schedule
135.	जीएमआर छत्तीशगड GMR CHHATISGARH 2	GMR EMCO	685	01:10	02-08-2016	Still out	Still out	No Schedule
136.	जीएमआर छत्तीशगड GMR CHHATISGARH 1	GMR	685	22:09	22-04-2017	23:36	15-06-2017	Due to turbine bearing no-5 vibration high
137.	Jhabua Power 1	JHABUAP	600	16:43	30-05-2017	Still out	Still out	CW Pump trip
138.	KWPCL 1	KWPCL	600	22:12	22-05-2017	Still out	Still out	Stator Earth fault protection operated
139.	RKM Power 1	RKMPPL	360	17:07	12-06-2017	Still out	Still out	Due to loss of evacuation line
140.	DB Power 2	DBPL	600	23:06	24-05-2017	10:45	06-06-2017	Generator Transformer Problem
141.	कॅप्स KAPS 2	NPCIL	220	14:09	01-07-2015	Still out	Still out	Nuclear reactor side problem
142.	कॅप्स KAPS 1	NPCIL	220	08:52	11-03-2016	Still out	Still out	Reactor side problem
143.	प्स TAPS 4	NPCIL	540	19:55	23-04-2017	Still out	Still out	BI annual maintenance and routine surveillance test
144.	प्स TAPS 1	NPCIL	160	19:09	04-06-2017	Still out	Still out	Refueling
145.	BALCO- 1	BALCO	300	05:09	31.05.2017	12:47	07-06-2017	Low schedule
146.	EPGL 2	ESSAR	600	11:59	29-05-2017	20:30	23-06-2017	Coal Shortage

147.	Sasan 3	SASAN	660	19:36	16-05-2017	07:10	15-06-2017	Turbine valve Problem
148.	Sasan 4	SASAN	660	14:10	03-06-2017	20:28	05-06-2017	FRS valve leakage
149.	Sasan 2	SASAN	660	21:32	06-06-2017	10:22	10-06-2017	Leakage from hot PA duct.
150.	Sasan3	SASAN	660	11:45	30-06-2017	07:45	04-07-2017	Tripper Problem
151.	Mouda 3	NTPC	660	17:58	06-05-2017	14:32	16-06-2017	Heavy furnace disturbance.
152.	Mouda 1	NTPC	500	05:46	31-05-2017	12:32	08-06-2017	Turbine vibration high
153.	<u>केएसटीपीएस</u> KSTPS 6	NTPC	500	10:07	01-06-2017	02:27	04-06-2017	BTL
154.	Kawas GT 1B	NTPC	106	23:32	01-06-2017	Still out	Still out	RSD
155.	Kawas ST 1C	NTPC	106	23:57	01-06-2017	Still out	Still out	RSD
156.	Kawas GT 1A	NTPC	106	00:07	02-06-2017	Still out	Still out	RSD
157.	Gandhar GT ST 3	NTPC	219	06:45	04-06-2017	19:00	07-06-2017	RSD
158.	Gandhar GT ST 1	NTPC	219	14:30	04-06-2017	13:56	15-06-2017	RSD
159.	<u>वाएसटीपीएस</u> VSTPS 7	NTPC	500	10:07	07-06-2017	05:47	05-07-2017	planned shut down as mentioned by NTPC;details awaited
160.	Gandhar GT ST 2	NTPC	219	11:37	16-06-2017	15:57	20-06-2017	RSD
161.	Gandhar GT ST 1	NTPC	219	16:29	20-06-2017	Still out	Still out	RSD; changeover with unit 2 to match running hours
162.	<u>एसिपत</u> Sipat II 4	NTPC	660	22:46	21-06-2017	01:02	26-06-2017	Boiler circulation problem.
163.	Mouda 2	NTPC	500	16:18	25-06-2017	Still out	Still out	RSD
164.	Mouda 3	NTPC	660	15:26	27-06-2017	Still out	Still out	RSD
165.	Mouda 1	NTPC	500	09:31	30-06-2017	Still out	Still out	RSD
166.	<u>केएसटीपीएस</u> KSTPS 7	NTPC	500	23:49	30-06-2017	Still out	Still out	Over hauling for 25 days

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

नियोजित युनिट आऊटेज का जून 2017 का विस्तारित ब्यौरा

Details of planned unit outages during the month of June.2017

क्रमांक Sl.No	युनिट Unit	Constituent/IPP	क्ष Cap.MW	From		From		Reason
				समय Time	दिनांक Date	समय Time	दिनांक Date	
1.	ट्राम्ब Trombay 6	TPC	500	00:00	06-03-2016	Still out	Still out	Unit 6 is kept under economic shutdown since 4th May' 16,00:00hrs.
2.	चद्रपुर Chandrapur 3	MAHAGENCO	210	23:24	05-06-2017	Still out	Still out	AOH
3.	Khaparkheda 2	MAHAGENCO	210	23:16	14-06-2017	Still out	Still out	AOH
4.	Paras 4	MAHAGENCO	250	00:04	21-06-2017	Still out	Still out	AOH
5.	Koradi 7	MAHAGENCO	210	01:22	21-06-2017	Still out	Still out	AOH
6.	एसजीटीपीएस SGTPS 5	MPPGCL	500	00:00	28-06-2017	Still out	Still out	AOH

ANNEXURE 3.1

DETAILS OF MAINTENANCE PROGRAM OF GENERATING UNITS PROPOSED DURING JULY 2017 AND AUGUST 2017

S. No.	Unit	No.	Capacity	Outage Plan		Reason
			(MW)	From	To	
1	GUJARAT					
1.1	STPS	3	250	10-Jul-17	9-Aug-17	AOH
1.2	SLPP	2	125	11-Jul-17	4-Aug-17	AOH
1.3	KLTPS	1	70	20-Jul-17	10-Aug-17	AOH
1.4	GTPS	5	210	20-Jul-17	19-Aug-17	AOH
1.5	WTPS	3	210	25-Jul-17	1-Nov-17	COH
1.6	SLPP	3	125	31-Jul-17	20-Aug-17	AOH
1.7	SLPP	4	125	26-Aug-17	15-Sep-17	AOH
2	MADHYAPRADESH					
2.1	SATPURA	7	210	15-Aug-17	29-Aug-17	AOH
2.2	SATPURA	9	250	1-Aug-17	25-Aug-17	AOH
3	CHHATTISHGA					
3.1	Korba West-2	2	210	30-Jul-2017	22-Aug-2017	AOH
4	MAHARASHTRA					
4.1	CHANDRAPUR	4	210	1/Aug/2017	26/Aug/2017	AOH
4.2	CHANDRAPUR	6	500	5/Aug/2017	30/Aug/2017	AOH
4.3	KHARKHEDA	4	210	1/Aug/2017	5/Sep/2017	COH
4.4	APML	3	660	14/Jul/2017	10/Aug/2017	AOH
4.5	WPCL	1	135	3/Aug/2017	14/Aug/2017	AOH
4.6	TROMBAY	Unit 7	180MW	22/Jul/2017	30/Jul/2017	AOH
5	Central Sector					
5.1	KSTPS	7	500	01-Jul-17	25-Jul-17	BLR +RETROFIT OF 100 KW & MORE MODULES
5.2	KSTPS	1	200	28-Jul-17	21-Aug-17	BLR+LP+Generator+BRG Inspection
5.3	KSTPS	3	200	09-Aug-17	12-Aug-17	ESP GD Test
5.4	KSTPS	4	500	16-Aug-17	19-Aug-17	ESP GD Test
5.5	KSTPS	6	500	26-Aug-17	29-Aug-17	ESP GD Test
5.6	MOUDA	2	500	01-Sep-17	26-Sep-17	BLR and Gen Overhaul
5.7	VSTPS	3	210	03-Jul-17	06-Aug-17	Boiler modification + CW duct
5.8	VSTPS	5	210	08-Aug-17	01-Sep-17	Boiler+ESP R&M guillotine gate errection
5.9	VSTPS	10	500	15-Sep-17	10-Oct-17	Boiler modification
5.1 0	VSTPS	11	500	01-Aug-17	25-Aug-17	Boiler +LPT+Condensor chemical cleaning
5.1 1	SIPAT STPS	3	660	01-Aug-17	14-Sep-17	BOILER+LPT+GEN
5.1 2	SIPAT STPS	5	600	12-Aug-17	16-Aug-17	BOILER LICENSE RENEWAL
5.1 3	TAPS	2	160	08-Aug-17	10-Sep-17	AOH
5.1 4	Gandhar	2	144.3	01-Aug-17	03-Aug-17	Special Inspection to check hot gas casing after inspection and repair as per OEM
5.1 5	Gandhar	3	144.3	24-Jul-17	26-Jul-17	Special Inspection to check hot gas casing after inspection and repair as per OEM
5.1 6	SASAN	2		26-Jul-17	24-Aug-17	AOH
5.1 7	SASAN	6		01-Sep-17	30-Sep-17	AOH

PROPOSED TRANSMISSION ELEMENTS OUTAGES PLAN FOR THE MONTH OF AUGUST 2017 (ANNEXURE 3.2)

SN		Line / Element	From		To		Basis	Reason	System	Agency	Type		Comments
			Date	Time	Date	Time							
1	400	STERLITE-RAIGARH -II	21/Jul/17	8:00	23/Jul/17	18:00	Daily	For overhead hot line stringing O/C 400KV D/C Vedanta-Sundargarh Line at Location No.AP36/0 -AP37/0 (PGCIL Tower No.319-320)	ERPC	VEDANTA LTD			
2	765	765 kV Solapur-Raichur #1	22/Jul/17	8:00	22/Jul/17	13:00	Daily	Relay testing at solapur end	WR-1	WR-1			
3	765	766 kV Solapur-Raichur #2	22/Jul/17	14:00	22/Jul/17	19:00	Daily	Relay testing at solapur end	WR-1	WR-1			
4	400	ROURKELA-RAIGARH-II(DIRECT)	24/Jul/17	8:00	26/Jul/17	18:00	Daily	For overhead hot line stringing O/C 400KV D/C Vedanta-Sundargarh Line at Location No.AP38/0 -AP39/0 (PGCIL Tower No.832-831)	ERPC	VEDANTA LTD			
5	400	RAIGARH-SUNDARGARH-II	28/Jul/17	8:00	30/Jul/17	18:00	Daily	For overhead hot line stringing O/C 400KV D/C Vedanta-Sundargarh Line at Location No.AP09/0 -AP10/0 (PGCIL Loc.No.14-15)	ERPC	VEDANTA LTD			
6	400	RAIGARH-SUNDARGARH-I	31/Jul/17	8:00	2/Aug/17	18:00	Daily	For overhead hot line stringing O/C 400KV D/C Vedanta-Sundargarh Line at Location No.AP10/0 -AP11/0 (PGCIL Loc.No.15-16)	ERPC	VEDANTA LTD			
7	400	400 Mundra Jetpur 2	1/Aug/17	8:00	1/Aug/17	18:00	Daily	Attending Bus 2 Y-ph PG Iso inpresence of S&S Engineer at Jetpur GETCO end	POWERGRID	WR-II	C		Feasible when one unit of CGPL remain out of bar
8	400	400 main bus-1 at Bina	1/Aug/17	9:30	1/Aug/17	18:00	Daily	For AMP works	POWERGRID	WR-II	R		
9	400	50MVAR Bina-I Line Reactor at Shujalpur	1/Aug/17	10:00	15/Aug/17	18:00	Continuous	Construction of Reactor Switching Scheme bays at Shujalpur. Line will be in service without LR at Shujalpur	POWERGRID	WR-II	C		
10	400	315 MVA, ICT # 2 at Gwalior	1/Aug/17	10:00	1/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
11	400	400, 63 MVAR BR-I at Indore	1/Aug/17	10:00	1/Aug/17	19:00	Daily	AMP OF BUS REACTOR	POWERGRID	WR-II	R		
12	220	220 BUS-1 at Pirana	1/Aug/17	9:00	1/Aug/17	16:00	Daily	ATTENDING ISOLATOR PROBLEM	POWERGRID	WR-II	R		
13	400	Bay 414 (Rajgarh-Kasor#1 & Bus Reactor TIE Bay) at Rajgarh	1/Aug/17	10:00	1/Aug/17	17:00	Daily	For Circuit breaker Testing	POWERGRID	WR-II	R		
14	765	ICT#2 at Vchal PS	1/Aug/17	9:00	1/Aug/17	18:00	Daily	For calibration of OTI,WTI,and balancing of RTCC	POWERGRID	WR-II	C		NLDC consent is required
15	400	Anuppur - Jabalpur Ckt.1&2	1/Aug/17	7:00	30/Aug/17	18:00	Daily	Online PID testing of insulator strings. A/R of both Ckt.1 &2 to be kept in non auto mode during the testing period.	POWERGRID	WR-II	R		MB Power Consent required.
16	765	Sasan - Satna Ckt-I	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	POWERGRID	WR-II	C		
17	765	Satna - Gwalior Ckt-I	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	POWERGRID	WR-II	C		
18	220	Chhegaon - Khandwa # 2	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		
19	220	Omkareshwar- Chhegaon # 1	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		
20	220	Barwaha -Chhegaon (MPPTCL) # 1,2	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		
21	220	Seoni- Seoni (MPPTCL)-I	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		
22	400	Mundra-Jetpur Ckt 1&2	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	POWERGRID	WR-II	C		
23	400	Dehgam- Nagda Ckt 1& 2	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	POWERGRID	WR-II	C		
24	765	Indore - Bina-S/c	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	POWERGRID	WR-II	C		
25	220	400 Bina(MPPTCL)-220 Bina (MPPTCL)	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		Bina-Bina and Bina - shivpuri cannot be availed toether
26	220	Bina(PG)-Shivpuri ckt-1	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		Bina-Bina and Bina - shivpuri cannot be availed toether
27	220	Rajgarh-Rajgarh # 1&2	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		
28	220	Shujalpur- Shujalpur & 1&2	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	MPPTCL	WR-II	C		
29	400	Sasan-Vindhyachal PS-1	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online replacement of E/W with OPGW. A/R shall be kept in non auto mode	POWERGRID	WR-II	C		

30	400	400 Chorania - Kasor Line	1/Aug/17	8:00	1/Aug/17	18:00	Daily	CT/CVT Tan Delta Testing work	GETCO	GETCO			
31	400	400/220 315MVA ICT - 2 Mansar	1/Aug/17	8:00	1/Aug/17	13:00	Daily	220 Side 2nd Year Bus Bar Testing work And 315MVA ICT No.2 of 220 Side 89A Isolator Alignment work by O/S Agency M/S Siemens Ltd	GETCO	GETCO			
32	400	400/220 315MVA ICT - 1 Mansar	1/Aug/17	14:00	1/Aug/17	16:00	Daily	220 Side 2nd Year BUS Bar Scheme Testing work by O/S Agency M/S Siemens Ltd	GETCO	GETCO			
33	400	400 Bus-II UTPS with 400 Bus Coupler Bay	1/Aug/17	8:00	3/Aug/17	18:00	Continuous	400 BUS- II CVT replacement work . New CVT installation and 400 Bus- coupler breaker and CT PM activity	GETCO	GETCO			
34	400	Lonikand - Jejuri	1/Aug/17	7:00	31/Aug/17	19:00	Daily	Taking Auto Reclose in Non AR Mode for stringing of OPGW work	MSETCL	MSETCL			
35	400	Karad - New Koyna ckt 1 & 2	1/Aug/17	7:00	31/Aug/17	21:00	Daily	Taking Auto Reclose in Non AR Mode for stringing of OPGW work	MSETCL	MSETCL			
36	220	220 Wardha-Pusad Line	1/Aug/17	10:00	31/Aug/17	18:00	Daily	For PID Work,Shifting of auto reclose switch to non auto mode.	MSETCL	MSETCL			
37	400	400 Deepnagar-Khadka-II	1/Aug/17	6:00	1/Aug/17	12:00	Daily	Fixing of Damage spacers cum vibration damper by External agency	MSETCL	MSETCL			
38	400	400 Deepnagar-Khadka-I	1/Aug/17	12:00	1/Aug/17	18:00	Daily	Fixing of Damage spacers cum vibration damper by External agency	MSETCL	MSETCL			
39	400	GT#8 Main Bay 425 @ 400 Koradi-2 Substation	1/Aug/17	10:00	1/Aug/17	18:00	Daily	DCRM Timing CRM & IR of CB 425-Q52	MSETCL	MSETCL	GT#8 will be in operation through Tie Bay 426		
40	765	Main & Tie Bay (705 & 706 Bay) of BR at APML Tiroda	1/Aug/17	9:00	1/Aug/17	21:00	Daily	Bus Reactor and its Bay Equipment Testing and Maintenance	APML	APML		only bay outage	Status of BR, Out since March'2016
41	400	400 Dabhol -Nagothane -Ckt-2	1/Aug/17	6:00	6/Aug/17	18:00	Daily	Hill cutting work by Civil department	MSETCL	MSETCL			
42	400	400 Busbar (ABB-RADSS) @ Koradi - 1 s/s	1/Aug/17	9:00	1/Aug/17	22:00	Daily	Testing of 400 BusBar Scheme will be carried out.	MSETCL	MSETCL			
43	220	Kawas-Ichhapore Line#2	1/Aug/17	8:00	2/Aug/17	16:00	Continuous	CT/CVT Testing and Annual Bay Maintenance.	NTPC	NTPC	LINE		
44	400	400 HVDC -1 Main bay (403) at BVT	1/Aug/17	9:00	1/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	BAY	
45	765	Tie Bay 720 of ICT#2 & Future at Bilaspur PS	1/Aug/17	9:00	1/Aug/17	18:00	Daily	AMP works (CB DCRM,GC, CT Tan Delta)	WRTS-I	WRTS-I	R	Bay	
46	765	765KV BUS REACTOR #02 MAIN BAY(711) AT DHARAMJAYGARH(KORBA) SS	1/Aug/17	9:00	1/Aug/17	18:00	Daily	Tandelta of grading capacitor of CB	WRTS-I	WRTS-I	R	BAY	
47	765	ICT1_765/400_PUNE(GIS)	1/Aug/17	9:00	1/Aug/17	18:00	Daily	For commissioning of CSD	WRTS-I	WRTS-I	R	ICT	
48	400	Tie bay (402) of Chakan and Kharghar Lines at Talegaon	1/Aug/17	9:00	1/Aug/17	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R	Bay	
49	400	Tie bay (40852) of Sipat-2 & Future at Raipur SS	1/Aug/17	9:30	1/Aug/17	17:30	Daily	AMP work at Raipur	WRTS-I	WRTS-I	R	Bay	
50	220	ICT1_MAIN_BAY_201 at Seoni	1/Aug/17	9:30	1/Aug/17	10:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
51	220	ICT2_BAY_202 at Seoni	1/Aug/17	10:30	1/Aug/17	12:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
52	220	SEONI1_BAY_204 at Seoni	1/Aug/17	12:00	1/Aug/17	13:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
53	220	SEONI2_BAY_205 at Seoni	1/Aug/17	13:30	1/Aug/17	16:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
54	220	BUS_COUPLER_BAY_207 at Seoni	1/Aug/17	16:00	1/Aug/17	17:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
55	400	Tie Bay 417 of Akola # 2 & Bus reactor at Wardha	1/Aug/17	9:00	1/Aug/17	18:00	Daily	DCRM of CB	WRTS-I	WRTS-I	R	Bay	
56	765	SWITCHABLE LR_765kV_A'BAD 1_WARDHA	1/Aug/17	9:00	1/Aug/17	18:00	Daily	Erection of bushing for spare reactor. Note: SLR of 765kV Aurangabad-1 & SLR of 765kV Aurangabad-3, outage on both SLR's are required on same time.	WRTS-I	WRTS-I	C	SLR	subjected to voltage condition
57	765	SWITCHABLE LR_765kV_A'BAD 3_WARDHA	1/Aug/17	9:00	1/Aug/17	18:00	Daily	Erection of bushing for spare reactor. Note: SLR of 765kV Aurangabad-1 & SLR of 765kV Aurangabad-3, outage on both SLR's are required on same time.	WRTS-I	WRTS-I	C	SLR	subjected to voltage condition
58	765	765kV Bus_1 at Aurangabad	1/Aug/17	8:00	2/Aug/17	18:00	Continuous	For construction of New Solapur bays	WRTS-I	WRTS-I	C	Bus	
59	400	ICT-3 400 side Main Bay 422 at Champa PS	1/Aug/17	9:00	2/Aug/17	17:30	Daily	AMP/Warranty Tests	WRTS-I	WRTS-I	R	BAY	
60	400	400 SOLAPUR(NTPC)-SOLAPUR(PG)_1	1/Aug/17	8:00	2/Aug/17	18:00	CONTINUOUS	POWER LINE CROSSING STRINGING WORKS NTPC#3&4	WRTS-1	WRTS-1	C	LINE	NTPC consent required as unit is planned for COD
61	400	400 SOLAPUR(NTPC)-SOLAPUR(PG)_2	1/Aug/17	8:00	2/Aug/17	18:00	CONTINUOUS	POWER LINE CROSSING STRINGING WORKS NTPC#3&4	WRTS-1	WRTS-1	C	LINE	NTPC consent required as unit is planned for COD
62	400	400 WARDHA-PARLI-1	1/Aug/17	8:00	30/Aug/17	18:00	Daily	AR to be kept in non-auto mode For OPGW Work	WRTS-I	WRTS-I	C	Line-A/R	
63	765	765kV SEONI-WARDHA-1	1/Aug/17	9:00	30/Aug/17	18:00	Daily	AR to be kept in non-auto mode For OPGW Work	WRTS-I	WRTS-I	C	Line-A/R	
64	400	400 KORBA-BIRSingHPUR II	1/Aug/17	6:00	31/Aug/17	18:00	Daily	Online OPGW work. A/R to be kept in Non auto mode	WRTS-I	WRTS-I	C	LINE-A/R	

65	400	Mundra - Zerda , versana-zerda	1/Aug/17	7:00	1/Aug/17	20:00	Daily	Stringing of LILO line of Mundra - Limbdi line at Bachau Ss between tower nos 271 & 272	WRTS-II	GETCO	C		This outage is not demanded by GETCO
66	400	400 KV BHOPAL 315MVA X'mer-III & Itarsi-I Tie CB	1/Aug/17	9:00	4/Aug/17	17:00	Continuous	For replacement of 6 NO. TIE CT	MPPTCL	MPPTCL	R		
67	765	765 kV Solapur main Bus1	1/Aug/17	9:00	1/Aug/17	18:00	Daily	amp work	WR-1	WR-1			
68	400	Vindhyachal - Satna Ckt.3&4	1/Aug/17	7:00	2/Aug/17	20:00	Continuous	For stringing LOOP IN portion of Vchal-Jabalpur Ckt. 3&4 line at Rewa	WRTS-II	POWERGRID	C		
69	400	RKMPPPL to New Kotra Ckt#1	1/Aug/17	9:00	1/Aug/17	18:00	Daily	ABT Meter Installation	RKMPPPL	WRTS-I			
70	400	RKMPPPL GT#2	1/Aug/17	9:00	3/Aug/17	18:00	Daily	Annual Maintenance	RKMPPPL	WRTS-I			
71	765	765KV Bus-I at Pooling station, Jabalpur	2/Aug/17	10:00	3/Aug/17	18:00	Daily	For Vindhyachal Bay Extension work at Pooling station,Jabalpur	POWERGRID	WR-II	C		
72	765	SWITCHABLE LR_765kv_A'BAD 1_WARDHA	2/Aug/17	9:00	9/Aug/17	18:00	continuous	Erection of Spare reactor & Switching scheme checking. Line will be in Service without L/R.	WRTS-I	WRTS-I	R	Reactor	subjected to voltage condition
73	400	400 Mundra Jetpur 1	2/Aug/17	8:00	2/Aug/17	18:00	Daily	Attending Reactor Isolator in presence of S&S Engineer at Jetpur GETCO end	POWERGRID	WR-II	C		Feasible when one unit of CGPL remain out of bar
74	400	400 INDORE ITARSI#1 LR at Itarsi (Non switchable)	2/Aug/17	11:00	2/Aug/17	11:30	Daily	TO TAKE LINE REACTOR OUT FROM SERVICE, THIS REACTOR SHALL BE CONVERTED FOR SWITCHABLE SCHEME AT ITARSI.	POWERGRID	WR-II	C		
75	400	CHORNIYA-VADAVI-1 LINE WITH TBC BAY AT VADAVI GETCO SS	2/Aug/17	10:00	2/Aug/17	14:00	Daily	TBC CHECKING	RELIANCE	WR-II	R		
76	400	Bay 417 (Rajgarh-Kasor#2 & Futurer TIE Bay) at Rajgarh	2/Aug/17	10:00	2/Aug/17	17:00	Daily	For Circuit breaker Testing	POWERGRID	WR-II	R		
77	400	ITARSI-3 MAIN BAY (413) at Jabalpur	2/Aug/17	9:00	2/Aug/17	17:00	Daily	AMP WORK	POWERGRID	WR-II	R		
78	400	400 DGEN NAVSARI LINE 1 (BAY 405)	2/Aug/17	8:00	2/Aug/17	18:00	Daily	For changing relay setting according to the new lines connected (Kakrapar -Navsari D/c at 400 PGCIL GIS-Dastan) . Line outage required.	TPL	TPL	R		
79	400	400/220/33KV 315 MVA ICT - 1 Kansari	2/Aug/17	8:00	2/Aug/17	18:00	Daily	Bay maintenance work	GETCO	GETCO			
80	400/220	400/220 501 MVA, ICT-3 at Deepnagar ss	2/Aug/17	8:00	2/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
81	400	400 SOLAPUR PGCIL@ KARAD(idle charged portion from karad end)	2/Aug/17	10:00	2/Aug/17	17:00	Daily	Quarterly. Maint. Work	MSETCL	MSETCL	Load manage on other ckt.		
82	400	400 Deepnagar-Thapthi-Tanda ckt	2/Aug/17	6:00	5/Aug/17	18:00	Daily	Fixing of Damage spacers cum vibration damper by External agency	MSETCL	MSETCL			
83	400	Chandrapur II-Switching-Ckt-2(Bay 404 & 405) @ 400 Chandrapur- II S/S	2/Aug/17	9:00	2/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
84	400	400 Bus Coupler Bay @400 S/S Chandrapur	2/Aug/17	8:00	3/Aug/17	18:00	Daily	1) For commissioning the Numerical Back up O/C relay. 2) Measurement of Tan delta & capaciatnce of CT's. 3) Testing & maintenance of CB.	MSETCL	MSETCL	---		
85	400	400 New Koyna -Karad Ckt-I	2/Aug/17	8:00	2/Aug/17	18:00	Daily	Routine Maintenance work & Relay testing Work	MSETCL	MSETCL			
86	220	Talandge - Chikkodi @ Talandge	2/Aug/17	9:00	3/Aug/17	18:00	Daily	Quarterly Maintenance work and replacement of Jumper	MSETCL	MSETCL			NLDC consent is required
87	765	765KV ICT #02 MAIN BAY(716) AT DHARAMJAYGARH(KORBA) SS	2/Aug/17	9:00	2/Aug/17	18:00	Daily	Timing test of CB	WRTS-I	WRTS-I	R	BAY	
88	765/400	ICT2_765/400_PUNE(GIS)	2/Aug/17	9:00	2/Aug/17	18:00	Daily	For commissioning of CSD	WRTS-I	WRTS-I	R	ICT	
89	400	400 Bus-1A at champa	2/Aug/17	8:00	2/Aug/17	18:00	Daily	To carryout the alignment of the isolators at the BUS Sectionalizer with respect to the IPS tube	WRTS-I	WRTS-I	R	Bus	
90	400	400 D/C Mouda - Betul Transmission Line (both ckt)	2/Aug/17	8:00	2/Aug/17	18:00	Daily	The only balance work in the line is earth wire and OPGW stringing in the crossing of Adani and Mouda ? Betul TL.	WRTS-I	WRTS-I	C	Line	
91	400	Tie bay (417) of 400kv C,Pur-4 & Raipur-2 at BVT	2/Aug/17	9:00	2/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	BAY	
92	400	400KV NAGDA Main bay of ICT-III X'mer	2/Aug/17	8:00	11/Aug/17	18:00	Continuous	For replacement of CB	MPPTCL	MPPTCL	R		
93	400	KANSARI-VADAVI-1 LINE WITH TBC BAY AT VADAVI GETCO SS	2/Aug/17	10:00	2/Aug/17	14:00	Daily	TBC CHECKING	RELIANCE	WR-II	R		
94	400	400/220 315 MVA ICT-1 Vadavi	2/Aug/17	8:00	2/Aug/17	18:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			Re all elements required at same time.
95	400	400 KV Vadavi - Kansari line No.1	2/Aug/17	8:00	2/Aug/17	18:00	Daily	Termination of new busbar panel connection	WRTGPL	GETCO			Re all elements required at same time.
96	400	RKMPPPL to New Kotra Ckt#2	2/Aug/17	9:00	2/Aug/17	18:00	Daily	ABT Meter Installation	RKMPPPL	WRTS-I			
97	400	400 Varsana - APL Line - 2	3/Aug/17	9:00	3/Aug/17	17:00	Daily	89L isolator pro attending	GETCO	GETCO			New revised date is 03.08.2017
98	400	Mouda 400 Bus#2	3/Aug/17	9:00	5/Aug/17	18:00		Annual Maintenance	NTPC	NTPC		Bus	
99	220	Kawas 220 Bus-2	3/Aug/17	8:00	3/Aug/17	18:00	Continuous	CVT Testing & Annual Maintenance.	NTPC	NTPC	BUS		

100	765	765KV AURANGABAD(PG)-SOLAPUR I	3/Aug/17	9:30	3/Aug/17	11:30	Daily	CT/PT Integartion for Feeder	WRTS-I	WRTS-I	C	LINE	WR-SR TTC will be reduced by 1150MW
101	765	765KV AURANGABAD(PG)-SOLAPUR II	3/Aug/17	13:30	3/Aug/17	15:30	Daily	CT/PT Integartion for Feeder	WRTS-I	WRTS-I	C	LINE	WR-SR TTC will be reduced by 1150MW
102	765	765kv Bina Gwalior 1	3/Aug/17	9:30	3/Aug/17	13:00	Daily	Erection of circuit breaker & BPI for implementation of NGR bypass scheme.	POWERGRID	WR-II	C		
103	220	220 Gwalior-Sithouli line	3/Aug/17	10:00	3/Aug/17	17:00	Daily	AMP WORKS	MPPTCL	WR-II	R		
104	765	BAY 711 (TIE BAY FOR 765KV BR-II) at Indor	3/Aug/17	10:00	4/Aug/17	18:00	Daily	BAY AMP	POWERGRID	WR-II	R		
105	220	Kawas -Vav 1	3/Aug/17	9:00	3/Aug/17	18:00	Daily	CVT foundation replacement work at Vav GETCO end	POWERGRID	WR-II	R		
106	400	Bay 405 (Rajgarh- SSP#2 & Khandwa#2 TIE Bay) at Rajgarh	3/Aug/17	10:00	3/Aug/17	17:00	Daily	For Circuit breaker Testing	POWERGRID	WR-II	R		
107	765	BUS Reactor at Vchal PS	3/Aug/17	9:00	3/Aug/17	18:00	Daily	For calibration of OTI,WTI,and AMP WORK	POWERGRID	WR-II	C		
108	220	220 Vapi-Khadoli	3/Aug/17	10:00	3/Aug/17	16:00	Daily	Main-2 relay replacement work	POWERGRID	WR-II	C		
109	400	400/220/33KV 315 MVA ICT - 2 Kansari	3/Aug/17	8:00	3/Aug/17	18:00	Daily	Bay maintenance work	GETCO	GETCO			
110	400	400 Chorania - Asoj line - 2	3/Aug/17	8:00	3/Aug/17	18:00	Daily	Condition monitoring work	GETCO	GETCO			
111	400	400/220,315 MVA ICT-2 @ Koradi s/s	3/Aug/17	9:00	3/Aug/17	17:00	Daily	Routine Maintenance work	MSETCL	MSETCL			Load will be managed by other 400 ICT's.
112	400	405-Bay (TIE Bay ICT 2 & Koyna ST IV line) at 400 Jejuri Substation	3/Aug/17	9:30	3/Aug/17	17:30	Daily	Annual Maintenance of bays equipment	MSETCL	MSETCL			ICT 2 will remain in service through Bus CB 404 & KOYNA ST IV line will remain in service through Bus CB 406.
113	400	GCR Chandrapur - Chandrapur 2 Ckt-2	3/Aug/17	8:00	3/Aug/17	17:00	Daily	Replacement of bolted type clamp by crimping clamp at LILO tower loc. No. 02 & Replacement of broken / damaged disc insulators	MSETCL	MSETCL			
114	400/220	400/220,315 MVA ICT-2 @ Lonikand 1 s/s	3/Aug/17	9:00	3/Aug/17	18:00	Daily	Routine Maintenance work	MSETCL	MSETCL			
115	400	Babhaleshwar-Dhule-Ckt-1 @BBLR	3/Aug/17	9:00	3/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL			400 Babhaleshwar-Dhule-Ckt-1 will be in service
116	400	Korba-Mahan Line-1	3/Aug/17	8:30	3/Aug/17	17:30	Continuous	For Y phase LA replacement	NTPC	NTPC			
117	765	ICT2_765/400_CHAMPA	3/Aug/17	9:00	3/Aug/17	17:30	Daily	Providing insulation Sleeve to ICT Tertiary connected jumpers.	WRTS-I	WRTS-I	R	ICT	
118	765	765 kv Kotra #1 Main bay 810 at Durg PS	3/Aug/17	9:00	3/Aug/17	18:00	Daily	AMP of bay	WRTS-I	WRTS-I	R	Bay	
119	765	765KV JABALPUR #04 MAIN BAY(727) AT DHARAMJAYGARH(KORBA) SS	3/Aug/17	9:00	3/Aug/17	18:00	Daily	Timing test of CB	WRTS-I	WRTS-I	R	BAY	
120	400	Main bay (403) of Kharghar Line at Talegaon	3/Aug/17	9:00	3/Aug/17	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R	Bay	
121	220	CHINDWARA1_BAY_208 at Seoni	3/Aug/17	9:30	3/Aug/17	10:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
122	220	CHINDWARA2_BAY_209 at Seoni	3/Aug/17	10:30	3/Aug/17	12:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
123	400	FUTURE-ICT2_TIE_BAY_405 at Seoni	3/Aug/17	12:00	3/Aug/17	13:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
124	400	ICT2_MAIN_BAY_406 At Seoni	3/Aug/17	13:30	3/Aug/17	16:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
125	400	AT1_MAIN_BAY_410 at Seoni	3/Aug/17	16:00	3/Aug/17	17:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
126	400	ICT4 & Future Line (428) Tie Bay at Tamnar PS	3/Aug/17	10:00	3/Aug/17	11:00	Daily	For collecting oil sample of CTs one month after charging for DGA testing	WRTS-I	WRTS-I	R	Bay	
127	400	400 Bus II Sectionalizer (425) bay at Tamnar PS	3/Aug/17	11:30	3/Aug/17	12:30	Daily	For collecting oil sample of CTs one month after charging for DGA testing	WRTS-I	WRTS-I	R	BAY	
128	400	400 Wardha-Mauda # 2 Main Bay 430 bay at Wardha	3/Aug/17	9:00	3/Aug/17	18:00	Daily	DCRM & tandelta of CB	WRTS-I	WRTS-I	R	Bay	
129	400	400 Bus-1B at champa	3/Aug/17	8:00	3/Aug/17	18:00	Daily	To carryout the alignment of the isolators at the BUS Sectionalizer with respect to the IPS tube	WRTS-I	WRTS-I	R	Bus	NLDC consent required.
130	400	Mundra - Zerda Transmission Line-2	3/Aug/17	7:00	3/Aug/17	20:00	Daily	Stringing of LILO line of Mundra - Limbdi line at Bachau Ss between tower nos 272 & 273	WRTS-II	WRTS-II	C		This outage is not demanded by GETCO
131	220	220KV Rajgarh(PGCIL) -Rajgarh I/C-I	3/Aug/17	9:00	3/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
132	220	220KV Damoh-Sagar (PGCIL) -II	3/Aug/17	8:00	3/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		

133	400	KANSARI-VADAVI-2 LINE WITH TBC BAY AT VADAVI GETCO SS	3/Aug/17	10:00	3/Aug/17	14:00	Daily	TBC CHECKING	RELIANCE	WR-II	R	May be deferred & club on 03.08.2017 with GETCO outage plan which was originally approved in last OCCM for the date 30.07.17. However, due to bad weather condition it is reschedule on 03.08.2017
134	400	400/220 315 MVA ICT-2 Vadavi	3/Aug/17	8:00	3/Aug/17	18:00	Daily	Termination of new busbar panel connection	GETCO	GETCO		
135	400	400 KV Vadavi - Kansari line No.2	3/Aug/17	8:00	3/Aug/17	18:00	Daily	Termination of new busbar panel connection	GETCO	GETCO		
136	765	765 kV Gwalior-Satna#2 Line	4/Aug/17	10:00	4/Aug/17	18:00	Daily	Line AMP WORKS ,Replacement of line terminal equipment jumper from quad to Twin and Interconnection of Line Terminal equipment with IPS Tube .	POWERGRID	WR-II	C	
137	765	716 Bay (Main bay of Satna#2 Line) at Gwalior	4/Aug/17	10:00	4/Aug/17	18:00	Daily	Line AMP WORKS	POWERGRID	WR-II	R	
138	400	400 Vadavi - Halwad Line - 1	4/Aug/17	0:00	4/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO		New revised date is 04.08.17
139	400	400 Main BUS - 2 Hadala	4/Aug/17	7:00	4/Aug/17	19:00	Daily	For Bus-II PG Isolator(B/C &Other feeders) maint & Setting work	GETCO	GETCO		
140	400	400 Hadala - Varsana Line	4/Aug/17	7:00	4/Aug/17	14:00	Daily	For Bus-II PG Isolator maint & Setting work	GETCO	GETCO		
141	400	400/220/33 kV 315 MVA ICT - 3 Hadala	4/Aug/17	12:00	4/Aug/17	18:00	Daily	For Bus-II PG Isolator maint & Setting work	GETCO	GETCO		
142	400	400 Hadala - Amreli Line	4/Aug/17	7:00	4/Aug/17	12:00	Daily	For Bus-II PG Isolator maint & Setting work (Load to remain on TBC)	GETCO	GETCO	Load on TBC	
143	400	400 Hadala - Choraniya Line	4/Aug/17	13:00	4/Aug/17	18:00	Daily	For Bus-II PG Isolator maint & Setting work	GETCO	GETCO	Load on TBC	
144	220	Kawas-Dastan Line#1	4/Aug/17	14:00	4/Aug/17	18:00	Continuous	CT & Protection Testing.	NTPC	NTPC	LINE	
145	400	501MVA, ICT 2 @ 400 Koradi-2 Substation	4/Aug/17	10:00	4/Aug/17	17:00	Daily	Tan delta Measurement of Tertiary Bushing	MSETCL	MSETCL	Load will be shifted to ICT-1	
146	400	Bus Coupler @ Koradi - 1 s/s	4/Aug/17	9:00	4/Aug/17	17:00	Daily	Commissioning of backup to Busbar relay (Over current)	MSETCL	MSETCL		
147	400	422,Bina-4 main bay at Bina	4/Aug/17	9:30	4/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R	
148	400	Shujalpur-RAPP Ckt-I	4/Aug/17	10:00	4/Aug/17	18:00	Daily	Line auto-recloser checking at Shujalpur	POWERGRID	WR-II	C	
149	765	765kV Gwalior-Bina#3 Line	4/Aug/17	10:00	4/Aug/17	16:00	Daily	Line AMP work, Line Reactor AMP work, Replacement of line terminal equipment jumper from quad to Twin and Interconnection of Line Terminal equipment with IPS Tube .	POWERGRID	WR-II	C	
150	400	ITARSI-3 TIE BAY (414) at Jabalpur	4/Aug/17	9:00	4/Aug/17	17:00	Daily	AMP WORK	POWERGRID	WR-II	R	
151	400	ICT-II 315 MVA at Boisar	4/Aug/17	9:00	4/Aug/17	17:00	Daily	AMP	POWER GRID	WR-II	R	Maharashtra consent required.
152	400	400 Kasor - Chorania Line	4/Aug/17	8:00	4/Aug/17	18:00	Daily	CT / CVT Tand Delta testing and Bay Maintenance	GETCO	GETCO		
153	400	400/220/33KV 315 MVA ICT - 3 Kansari	4/Aug/17	8:00	4/Aug/17	18:00	Daily	Bay maintenance work	GETCO	GETCO		
154	400	410 Bay (Main Bay Bhusawal Ckt) at 400 Akola	4/Aug/17	10:00	9/Aug/17	17:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL		
155	400	400 BUS BAR PROTECTION AT 400 Khadka SS	4/Aug/17	7:00	4/Aug/17	18:00	Daily	For Routine BB Protection scheme testing work	MSETCL	MSETCL		protection for which bus?
156	765	765/400KV , 1500MVA ICT 2 @Koradi III.	4/Aug/17	9:00	4/Aug/17	17:00	Daily	MCVT Replacement and Testing of ICT	MEGPTCL	MEGPTCL		May please be considered as 765/400KV , 1500MVA ICT 2 @Koradi III.
157	400	400 Chandrapur-4 Main bay (416) at BVT	4/Aug/17	9:00	4/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	BAY
158	765	SWITCHABLE LR_765KV_SEONI 2_BILASPUR	4/Aug/17	9:00	4/Aug/17	18:00	Daily	AMP works (CB GC, Timings)	WRTS-I	WRTS-I	R	LR
159	400	TIE_BAY_411 of 765/400 AT1 & 400/220 ICT1_at Seoni	4/Aug/17	9:30	4/Aug/17	10:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay
160	400	ICT1_MAIN_BAY_412 at Seoni	4/Aug/17	10:30	4/Aug/17	12:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay
161	400	SATPURA_MAIN_BAY_413 at Seoni	4/Aug/17	12:00	4/Aug/17	13:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay
162	400	TIE_BAY_414 of 400 SATPURA & -BHILAI line at Seoni	4/Aug/17	13:30	4/Aug/17	16:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay
163	400	BHILAI_MAIN_BAY_415 at Seoni	4/Aug/17	16:00	4/Aug/17	17:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay
164	220	SOLAPUR_220 BUS#2	4/Aug/17	9:00	4/Aug/17	18:00	DAILY	AMP WORKS	WRTS-1	WRTS-1	R	BUS
165	765	ICT4 (714) Main Bay at Tamnar PS	4/Aug/17	10:00	4/Aug/17	11:00	Daily	For collecting oil sample of CTs one month after charging for DGA testing	WRTS-I	WRTS-I	R	BAY
166	765	(713) Tie Bay of 765/400 ICT4 & Future Line at Tamnar PS	4/Aug/17	11:30	4/Aug/17	12:30	Daily	For collecting oil sample of CTs one month after charging for DGA testing	WRTS-I	WRTS-I	R	BAY

167	765	765 kV Bus I Sectionalizer (710) bay at Tamnar PS	4/Aug/17	13:30	4/Aug/17	14:30	Daily	For collecting oil sample of CTs one month after charging for DGA testing	WRTS-I	WRTS-I	R	BAY	
168	765	765 kV Bus II Sectionalizer (711) bay at Tamnar PS	4/Aug/17	15:00	4/Aug/17	16:00	Daily	For collecting oil sample of CTs one month after charging for DGA testing	WRTS-I	WRTS-I	R	Bay	
169	400	400 WARDHA-AKOLA II	4/Aug/17	9:00	4/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
170	765	Tie Bay 722 of ICT-6 765KV side & future at Champa PS	4/Aug/17	9:00	5/Aug/17	17:30	Daily	AMP/Warranty Tests	WRTS-I	WRTS-I	R	BAY	
171	400	400KV Chandrapur-4 Main bay (416) at BVT	4/Aug/17	9:00	4/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	BAY	
172	400	400KV BUS-1 at BVT	4/Aug/17	9:00	4/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	BUS	
173	400	400 KV JULWANIA 315MVA X'mer-II (EMCO)	4/Aug/17	9:00	4/Aug/17	18:00	daily	For commissioning Of NIFPS System of transformer	MPPTCL	MPPTCL	R		
174	220	220KV Rajgarh(PGCIL)-Rajgarh I/C-II	4/Aug/17	9:00	4/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
175	400	400KV S/C Varsana - Hadala line and 400KV S/C Mundra Hadala line (on D/C towers)	4/Aug/17	7:00	4/Aug/17	20:00	Daily	Stringing of LILO line of Mundra - Limbdi line at Bachau Ss between tower nos. 32 & 33	WRTS-II	GETCO	C		This outage is not required by GETCO. It is already approved on 04.08.2017.
176	400	400/220 315 MVA ICT-3 Vadavi	4/Aug/17	8:00	4/Aug/17	18:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			
177	765	765kV AURANGABAD(PG)-SOLAPUR I	4/Aug/17	8:00	4/Aug/17	18:00	Daily	For swapping of 765kv Solapur line in solapur bays and pending construction points	WR-1	WR-1			WR-SR TTC will be reduced by 1150MW
178	400	400/220 315 MVA ICT - 4 Vadavi	5/Aug/17	0:00	5/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			New revised date is 05.08.17
179	400	400 Chorania - Vadavi Line - 2	5/Aug/17	0:00	5/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			New revised date is 05.08.17
180	400	400 Satna Bina 4	5/Aug/17	9:00	5/Aug/17	18:00	Daily	For AMP	POWERGRID	WR-II	R		
181	765	765 kV S/C Tiroda - Koradi ckt-I TL	5/Aug/17	8:00	5/Aug/17	12:00	Daily	The only balance work in the line is earth wire and OPGW stringing in the crossing of Adani and Mouda ? Betul TL	Adani	WRTS-I	C	Line	NLDC consent is required.unit 3 restored on 2.8.17
182	765	765 kV S/C Tiroda - Koradi ckt-II TL	5/Aug/17	14:00	5/Aug/17	18:00	Daily	The only balance work in the line is earth wire and OPGW stringing in the crossing of Adani and Mouda ? Betul TL	Adani	WRTS-I	C	Line	NLDC consent is required
183	400	400 Bus 1 at Bhachau	5/Aug/17	8:00	8/Aug/17	18:00	Daily	RTV Coating of 400 BUS 1 BPI & Bus1 Isolators of all feeders.	POWERGRID	WR-II	C		subjected to CGPL generation restriction.
184	765	765 kV Gwalior-Satna#1Line	5/Aug/17	10:00	5/Aug/17	18:00	Daily	Replacement of line terminal equipment jumper from quad to Twin and Interconnection of Line Terminal equipment with IPS Tube .	POWERGRID	WR-II	C		
185	400	405-Bay (Main Bay of 400 Girwali-2 Bay) at Kumbhargaoon Substation	5/Aug/17	11:00	5/Aug/17	16:00	Daily	Maintenance work	MSETCL	MSETCL			
186	400	Solapur - Kolhapur - 2	5/Aug/17	9:30	5/Aug/17	11:30	Daily	CT/PT Integartion for Feeder at Solapur	Reliance	WRTS-I	C	LINE	
187	400	400 RAIPUR-BHADRAVATI III	5/Aug/17	9:30	5/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R	LINE	
188	400	400 Chorania - Asoj line - 1	5/Aug/17	8:00	5/Aug/17	18:00	Daily	Condition monitoring work	GETCO	GETCO			
189	400/220	400/220 315MVA, ICT 1 @ 400 Waluj	5/Aug/17	8:00	5/Aug/17	18:00	Daily	Maintenance work & Dignostic testing work	MSETCL	MSETCL			
190	400	KORADI 2-WARDHA (PGCIL)	5/Aug/17	8:00	5/Aug/17	17:00	Daily	During the proposed outage following works will be carried out :- Line signature test, broken disc replacement work,tightning and fixing of jumper nutbolts & hardwares on line and earthwire	MSETCL	MSETCL			
191	400	420,Bina-3 & 765kv/400 ICT-2 tie bay at Bina	5/Aug/17	9:30	5/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
192	400	Shujalpur-RAPP Ckt-II	5/Aug/17	10:00	5/Aug/17	18:00	Daily	Line auto-recloser checking & CSD Commissioning at Shujalpur	POWERGRID	WR-II	C		NLDC consent required.
193	765	BAY 714(BAY FOR INDORE-VADODARA LINE) at Indore	5/Aug/17	10:00	7/Aug/17	18:00	Daily	BAY AMP	POWERGRID	WR-II	R		
194	765	Satna#1 Line reactor at Vchal PS (Switchable)	5/Aug/17	9:00	5/Aug/17	18:00	Daily	For Calibration of OTI,WTI and AMP WORK. Line will be in service without LR.	POWERGRID	WR-II	C		
195	400	402 (GT10 Tie breaker) bay at CGPL	5/Aug/17	8:00	5/Aug/17	20:00	Daily	402 CT testing	CGPL	CGPL			
196	400	400 50 MVAR Bus Reactor Kasor	5/Aug/17	8:00	5/Aug/17	18:00	Daily	CT Tand Delta testing and Routine testing of reactor	GETCO	GETCO			
197	400	400 EPGL - Hadala Line - 1	5/Aug/17	8:00	12/Aug/17	18:00	Continuous	for erection of location no AP-05 tower for LILO arrangement of line at 400 Kalavad S/S	GETCO	GETCO			ckt-1 from 5 to 12 and ckt-2 from 8 to 12. are both ckts required together?
198	400	400 Khadka-Akola Line @ 400 R.S. Khadka	5/Aug/17	8:30	5/Aug/17	17:30	Daily	C & Tan Delta ,Bay Routine Maintenance	MSETCL	MSETCL			

199	400	ABB make RADSS Busbar Protection Relay of 400 Main Bus-I & II @400 S/S Chandrapur	5/Aug/17	8:00	5/Aug/17	22:00	Daily	For Bus Bar Relay testing work.	MSETCL	MSETCL	During this work, Both 400 Main Bus-1 & 2 will be in service. Only BUS BAR Protection of 400 Main Bus-I & II will be out.		Bus coupler timing to be reduced for this outage
200	400	Babhaleshwar-Padghe-Ckt-2 @BBLR	5/Aug/17	9:00	5/Aug/17	17:00	Daily	Routine Maintenance & Servicing and allignment of PG isolators work	MSETCL	MSETCL	400 Babhaleshwar-Padghe-Ckt-1 will be in service		
201	400	Akola-1 Non Switchable LR at Aurangabad.Line will be remain in service without LR	5/Aug/17	9:00	5/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	LR	
202	765	765 kv Wardha #1 Main bay 815 at Durg PS	5/Aug/17	9:00	5/Aug/17	18:00	Daily	AMP of bay	WRTS-I	WRTS-I	R	Bay	
203	765	765KV BUS-II AT DHARAMJAYGARH(KORBA) SS	5/Aug/17	9:00	5/Aug/17	18:00	Daily	For connectivity of Jharsuguda #04 Main bay	WRTS-I	WRTS-I	C	BUS	
204	400	Tie bay (411) of GIS # 4 & ICT # 2 at Talegaon	5/Aug/17	9:00	5/Aug/17	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R	Bay	
205	400	AT2_MAIN_BAY_419 at Seoni	5/Aug/17	9:30	5/Aug/17	10:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
206	400	TIE_BAY_420 of AT2 & KHANDWA1_at Seoni	5/Aug/17	10:30	5/Aug/17	12:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
207	400	KHANDWA1_MAIN_BAY_421 at Seoni	5/Aug/17	12:00	5/Aug/17	13:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
208	400	BUS_REACTOR1_MAIN_BAY_422 at Seoni	5/Aug/17	13:30	5/Aug/17	16:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
209	400	TIE_BAY_423 of BUS_REACTOR1 & KHANDWA2_at Seoni	5/Aug/17	16:00	5/Aug/17	17:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
210	400	400 SOLAPUR-KOLHAPUR#2	5/Aug/17	9:00	5/Aug/17	18:00	DAILY	POWER LINE CROSSING STRINGING WORKS NTPC#3&4	RELIANCE	WRTS-1	C	LINE	
211	400	400 SOLAPUR-ALKUJ	5/Aug/17	9:00	5/Aug/17	18:00	DAILY	POWER LINE CROSSING STRINGING WORKS NTPC#3&4	RELIANCE	WRTS-1	C	LINE	
212	400	Tie Bay 431 bay of Mauda # 2 & Future at Wardha	5/Aug/17	9:00	5/Aug/17	18:00	Daily	DCRM & tandelta of CB	WRTS-I	WRTS-I	R	Bay	
213	400	400 WARDHA-AKOLA I	5/Aug/17	9:00	5/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
214	400	400KV Bus Tie at 400 KV s/s Julwania	5/Aug/17	9:00	5/Aug/17	18:00	daily	FOR PMM Work	MPPTCL	MPPTCL	R		
215	220	220KV Dhar - Rajgarh(PGCIL)	5/Aug/17	9:00	5/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
216	400	400 KV Kalwa-Padgha Ckt-2	5/Aug/17	8:00	5/Aug/17	17:00	Daily	Faulty insulator replacement ,Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
217	400	Vindhychal - Satna Ckt.3&4	5/Aug/17	7:00	6/Aug/17	20:00	Continuous	For stringing LOOP OUT portion of Vchal-Jabalpur Ckt. 3&4 line at Rewa	WRTS-II	POWERGRID	C		
218	400	Babhaleshwar-Padghe-Ckt-1 @BBLR	6/Aug/17	9:00	6/Aug/17	17:00	Daily	Routine Maintenance & Servicing and allignment of PG isolators work	MSETCL	MSETCL	400 Babhaleshwar-Padghe-Ckt-2 will be in service		
219	400	Vindhychal Pooling Line-1 from Stg-IV (Bay No. 412) Along with Bus -7	6/Aug/17	9:00	8/Aug/17	18:00	Continuous	Bus shutdown required for attending the Hot spot	NTPC	NTPC			
220	400	400 Bus #1 at Wardha	6/Aug/17	9:00	7/Aug/17	18:00	continuous	bus extension for new 400 Abad line	WRTS-I	WRTS-I	C	Bus	
221	800	HVDC Pole - 1 Champa	6/Aug/17	8:00	7/Aug/17	18:00	Daily	For Pole-2 construction activities at Champa.	WRTS-I	WRTS-I	C	Pole	
222	400	400 Side ICT MAIN BAY 403 at 765/400 APML Tiroda	6/Aug/17	9:00	6/Aug/17	18:00	Daily	Bay Equipment Testing and Maintenance	ATIL	ATIL			
223	765	765 KV ICT I at Satna	6/Aug/17	9:00	6/Aug/17	18:00	Daily	Calibration of WTI IV	POWERGRID	WR-II	R		
224	765	765KV Bina Gwalior 2	6/Aug/17	9:30	6/Aug/17	18:00	Daily	Erection of circuit breaker & BPI for implementation of NGR bypass scheme.	POWERGRID	WR-II	C		
225	400	J P NIGRIE-SATNA-1	6/Aug/17	8AM	6/Aug/17	6PM	Daily	Fixing of missing Arcing Horns,Twin Spacers & Rigid Spacers	JP NIGRIE	JP NIGRIE			not to sale in PX
226	400	Kharghar line @ Kalwa	6/Aug/17	9:00	6/Aug/17	18:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL			
227	765	Sipat#2_712_Main Bay at Bilaspur PS	6/Aug/17	9:00	6/Aug/17	18:00	Daily	AMP works (CB Timings CRM DCRM and CT tan delta meas.)	WRTS-I	WRTS-I	R	Bay	
228	400	KHANDWA2_MAIN_BAY_424 at Seoni	6/Aug/17	9:30	6/Aug/17	10:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
229	400	AT3_MAIN_BAY_428 at Seoni	6/Aug/17	10:30	6/Aug/17	12:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
230	765	AT1_MAIN_BAY_712 at Seoni	6/Aug/17	12:00	6/Aug/17	13:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
231	765	BUS_REACTOR_MAIN_BAY_713 at Seoni	6/Aug/17	13:30	6/Aug/17	16:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
232	765	TIE_BAY_714 of BUS_REACTOR & AT2_at Seoni	6/Aug/17	16:00	6/Aug/17	17:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay	
233	765	765KV Bus-II at Pooling station, Jabalpur	7/Aug/17	10:00	10/Aug/17	18:30	Daily	For Urai Bay Extension work at Pooling station,Jabalpur	POWERGRID	WR-II	C		
234	765	BUS II at Vchal PS	7/Aug/17	9:00	7/Aug/17	18:00	Daily	Bus extension work for future bay	POWERGRID	WR-II	C		

235	220	220 Vapi-Sayali	7/Aug/17	10:00	7/Aug/17	16:00	Daily	Main-2 relay replacement work	POWERGRID	WR-II	C		
236	400	400 Vapi-Boisar	7/Aug/17	8:00	7/Aug/17	18:00	Daily	OPGW Work	POWER GRID	WR-II	C		
237	400	400 Boisar-Padghe	7/Aug/17	8:00	7/Aug/17	18:00	Daily	OPGW Work	POWER GRID	WR-II	C		
238	400	400/220 315 MVA ICT-II @ KARAD	7/Aug/17	10:00	7/Aug/17	17:00	Daily	Quarterly. Maint. work	MSETCL	MSETCL	Load manage on other Two ICT'S		
239	400	400 Dabhol -Nagothane -Ckt-1	7/Aug/17	6:00	12/Aug/17	18:00	Daily	Replacement of Faulty insulator String found during PID test.	MSETCL	MSETCL			
240	400	Babhaleshwar-Dhule-Ckt-2 @BBLR	7/Aug/17	9:00	7/Aug/17	17:00	Daily	Routine Maintenance & Servicing and allignment of PG isolators work	MSETCL	MSETCL	400 Babhaleshwar-Dhule-Ckt-2 will be in service		
241	400/220	501 MVA, ICT 3 @ Talandge	7/Aug/17	9:00	7/Aug/17	18:00	Daily	Quarterly Maintenance work and Back Up relay retrofitting work	MSETCL	MSETCL			
242	400	Mouda 400 Bus#1	7/Aug/17	9:00	9/Aug/17	18:00		Annual Maintenance	NTPC	NTPC			Bus
243	400	400 RAIPUR-BHADRAVATI II	7/Aug/17	9:30	7/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R		LINE
244	765	765kV WARDHA - AURANGABAD(PG) II	7/Aug/17	8:00	7/Aug/17	18:00	Daily	For construction of new wardha 1200/400 stringing works	WRTS-I	WRTS-I	C		Line
245	765	ICT3_765/400_CHAMPA	7/Aug/17	9:00	7/Aug/17	17:30	Daily	Providing insulation Sleeve to ICT Tertiary connected jumpers.	WRTS-I	WRTS-I	R		ICT
246	765	ICT1_765/400_D'JAIGARH	7/Aug/17	9:00	7/Aug/17	18:00	Daily	RTCC checking from SAS and rotation of ICT-01 Y ph with spare ICT	WRTS-I	WRTS-I	R		ICT
247	765	AT2_MAIN_BAY_715 At Seoni	7/Aug/17	9:30	7/Aug/17	10:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R		Bay
248	765	BILASPUR2_MAIN_BAY_716 at Seoni	7/Aug/17	10:30	7/Aug/17	12:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R		Bay
249	765	TIE_BAY_717 of BILASPUR2 & AT3_at Seoni	7/Aug/17	12:00	7/Aug/17	13:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R		Bay
250	765	AT3_MAIN_BAY_718 at Seoni	7/Aug/17	13:30	7/Aug/17	16:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R		Bay
251	765	TIE_BAY_720 of Wardha 1 & FUTURE at Seoni	7/Aug/17	16:00	7/Aug/17	17:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R		Bay
252	765	765 kV BUS I at Tamnar PS	7/Aug/17	10:00	7/Aug/17	18:00	Daily	For changing Terminal connectors of 765 kV BUS I CVT of Siemens make	WRTS-I	WRTS-I	R		BUS
253	765	Tie Bay 717 of Aurangabad # 1 & Durg 3 at Wardha	7/Aug/17	9:00	7/Aug/17	18:00	Daily	Timing of CB	WRTS-I	WRTS-I	R		Bay
254	400	400 WARDHA-AKOLA I	8/Aug/17	9:00	8/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C		Line
255	400	SOLAPUR_MAIN BAY 416_400 PARLI#2	8/Aug/17	9:00	8/Aug/17	18:00	DAILY	AMP WORKS	WRTS-1	WRTS-1	R		BAY
256	400	Chandrapur (Old GCR)-Parli ckt-III	8/Aug/17	9:00	8/Aug/17	16:00	Daily	For Line Signature Analysis	MSETCL	MSETCL			
257	765	765kV Gwalior-Jaipur#1 Line	8/Aug/17	10:00	8/Aug/17	18:00	Daily	Replacement of line terminal equipment jumper from quad toTwin and Interconnection of Line Terminal equipment with IPS Tube .	POWERGRID	WR-II	C		
258	400	400 main bus-2 at Bina	8/Aug/17	9:30	8/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
259	765	765kV DURG PS- CHAMPA_1	8/Aug/17	8:00	8/Aug/17	9:00	Daily	Taking Out L/R	WRTS-I	WRTS-I	R		LINE
260	765	SWITCHABLE LR_765kV_CHAMPA_1_DURG PS	8/Aug/17	9:00	8/Aug/17	18:00	Daily	AMP of L/R & bay	WRTS-I	WRTS-I	R		LR
261	400	400 RAIPUR-WARDHA I	8/Aug/17	10:00	8/Aug/17	18:00	Daily	jumper Tightning/AMP	WRTS-I	WRTS-I	R		Line
262	400	SOLAPUR_400 BUS#1	8/Aug/17	9:00	8/Aug/17	18:00	DAILY	STATCOM COMMISSIONING WORKS	WRTS-1	WRTS-1	C		BUS
263	765	765KV, Wardha - Auragabad #2, Main CB, 713 bay at Wardha	8/Aug/17	9:00	8/Aug/17	18:00	continuous	Mechanism box replacement	WRTS-I	WRTS-I	R		Bay
264	400	Shujalpur-Bina Ckt-I Main Bay (401) at Shujalpur	8/Aug/17	10:00	8/Aug/17	18:00	Daily	AMP works.	POWERGRID	WR-II	C		
265	765	765kV Gwalior-Jaipur#2 Line	8/Aug/17	10:00	8/Aug/17	18:00	Daily	Replacement of line terminal equipment jumper from quad to Twin and Interconnection of Line Terminal equipment with IPS Tube .	POWERGRID	WR-II	C		
266	765	704 Bay (Jaipur#1 Main bay) at Gwalior	8/Aug/17	10:00	8/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
267	765	BAY 715R (REACTOR BAY FOR VADODARA LINE) at Indore	8/Aug/17	10:00	8/Aug/17	18:00	Daily	BAY AMP WORKS	POWERGRID	WR-II	R		
268	400	Khandwa -Itarsi -Ckt.1	8/Aug/17	9:00	8/Aug/17	18:00	Daily	Line AMP & Terminal Equipment maintenance work.AMP.(Auto reclosure of Khandwa -Itarsi Ckt-2 to be kept on Non auto Mode)	POWERGRID	WR-II	R		
269	400	Aurangabad line Reactor-I at Boisar	8/Aug/17	9:00	9/Aug/17	18:00	Daily	145KV CB Erection Work for implementation of NGR bypass system	POWER GRID	WR-II	C		
270	400	400 Bay No-7, NTPC Feeder at 400 switchyard HTPS, Korba West.	8/Aug/17	8:30	8/Aug/17	18:00	Daily	Cleaning and tightness of clamps of bus and line isolator, CT's & CVT's and breaker.Cleaning of insulator of CT's & CVT's , isolator and breaker.	CSPTCL	CSPTCL			
271	400	400 125 MVAR Bus Reactor Kasor	8/Aug/17	8:00	8/Aug/17	18:00	Daily	Annual Routine testing of reactor	GETCO	GETCO			

272	220	220 Charadava - Bhimasar line -1	8/Aug/17	8:00	8/Aug/17	18:00	Daily	BUS Bar Scheme Testing work by O/S Agency M/S Hi Tech ltd	GETCO	GETCO				
273	400	400 EPGL - Hadala Line - 2	8/Aug/17	8:00	12/Aug/17	18:00	Continuous	for erection of location no AP-05 tower for LILO arrangement of line at 400 Kalavad S/S	GETCO	GETCO				
274	400	400 Dhule-Khandwa Ckt-I	8/Aug/17	8:00	8/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL & PGCIL				
275	400	400 CHD-Parli Ckt. No.-III @400 S/S Chandrapur	8/Aug/17	8:00	9/Aug/17	18:00	Daily	1) For Measurement of Tan delta & capacitance of CT's. 2) Testing & maintenance of CB. 3) Routine maintenance of the bay.	MSETCL	MSETCL	---			
276	220	Kawas-Ichhapore Line#1	8/Aug/17	8:00	8/Aug/17	18:00	Continuous	Annual Bay Maintenance.	NTPC	NTPC	LINE			
277	220	Kawas 220 Bus-1	8/Aug/17	8:00	8/Aug/17	18:00	Continuous	CVT Testing & Annual Maintenance.	NTPC	NTPC	BUS			
278	400	HVDC Line #1 Along with Bus-2 vindhyachal	8/Aug/17	9:00	10/Aug/17	18:00	Continuous	Attending Hotspot and Bay Maintenance (Bus shutdown required for attending the Hot spot)	NTPC	NTPC				
279	765	765kV WARDHA - AURANGABAD(PG) III	8/Aug/17	8:00	8/Aug/17	18:00	Daily	For construction of new wardha 1200/400 stringing works	WRTS-I	WRTS-I	C	Line		
280	400	Tie bay (417) of 400 C,Pur-4 & Raipur-2 at BVT	8/Aug/17	9:00	8/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	Bay		
281	765	Seoni#1_704_Main Bay at Bilaspur PS	8/Aug/17	9:00	8/Aug/17	18:00	Daily	AMP works (CB Timings and CT tan delta meas.)	WRTS-I	WRTS-I	R	Bay		
282	765	SWITCHABLE LR_765kV_JHARSUGUDA 2_D\JAIGARH	8/Aug/17	9:00	8/Aug/17	18:00	Daily	AMP of reactor & DCRM of CB	WRTS-I	WRTS-I	R	LR		
283	400	TIE BAY of ICT4_765/400 & future at KOTRA PS	8/Aug/17	9:00	8/Aug/17	18:00	Daily	AMP 2017 - 2018	WRTS-I	WRTS-I	R	Bay		
284	765	WARDHA1_MAIN_BAY_721 at Seoni	8/Aug/17	9:30	8/Aug/17	10:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay		
285	765	TIE_BAY_723 of FUTURE & WARDHA2 at Seoni	8/Aug/17	10:30	8/Aug/17	12:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay		
286	765	WARDHA2_MAIN_BAY_724 at Seoni	8/Aug/17	12:00	8/Aug/17	13:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay		
287	765	TIE_BAY_726 of FUTURE & BINA1 at Seoni	8/Aug/17	13:30	8/Aug/17	16:00	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay		
288	765	BINA1_MAIN_BAY_727 at Seoni	8/Aug/17	16:00	8/Aug/17	17:30	Daily	Operation Trial from NTAMC	WRTS-I	WRTS-I	R	Bay		
289	400	SOLAPUR_400 BUS#2	8/Aug/17	9:00	8/Aug/17	18:00	DAILY	STATCOM COMMISSIONING WORKS	WRTS-1	WRTS-1	C	BUS		
290	765	ICT-6 765KV side Main Bay 723 at Champa PS	8/Aug/17	9:00	9/Aug/17	17:30	Daily	AMP/Warranty Tests	WRTS-I	WRTS-I	R	Bay		
291	400	400KV Main CB of Itarsi -I at 400 kv S/S Bhopal	8/Aug/17	9:00	9/Aug/17	17:00	Continuous	FOR 3 NO MAIN CT REPLACEMENT WORK	MPPTCL	MPPTCL	R			
292	0	220KV Pithampur - Rajgarh(PGCIL) -II	8/Aug/17	9:00	8/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R			
293	220	220KV Seoni (PGCIL)-Chhindwara -I	8/Aug/17	9:00	8/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R			
294	400	400 KV Vadavi - Chorania line No.1	8/Aug/17	8:00	8/Aug/17	18:00	Daily	Termination of new busbar panel connection	GETCO	GETCO				
295	220	Bhatapara-Bhatapara-S/c	8/Aug/17	9:00	8/Aug/17	16:00	Daily	Maintenance Works	CSPTCL	CSPTCL				
296	400	400 Bhachau - Vadavi Line - 1	9/Aug/17	0:00	9/Aug/17	0:00	Daily	Termination of new busbar panel connection	PGCIL	GETCO				New revised date is 08.08.17
297	400	400 Vadavi - Halwad Line - 2	9/Aug/17	0:00	9/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO				New revised date is 09.08.17
298	400	400 Bhachau - Vadavi Line - 2	9/Aug/17	0:00	9/Aug/17	0:00	Daily	Termination of new busbar panel connection	PGCIL	GETCO				New revised date is 09.08.17
299	400	400 WARDHA-AKOLA I	9/Aug/17	9:00	9/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line		
300	400	400 Main BUS - A Varsana	9/Aug/17	9:00	9/Aug/17	17:00	Daily	89A Bus isolator pro att work	GETCO	GETCO				
301	400	400 125MVAR Reactor Varsana	9/Aug/17	9:00	9/Aug/17	17:00	Daily	89A Bus isolator pro att work	GETCO	GETCO				
302	400	400 Hadala - Varsana Line	9/Aug/17	8:00	9/Aug/17	18:00	Daily	For clamp connector attending work	GETCO	GETCO				
303	400	Chandrapur 2- Kubhargao (Nanded) ckt - 2	9/Aug/17	8:00	9/Aug/17	17:00	Daily	Diagnostic Testing , Replacement of bolted type clamp by crimping clamp at LILO tower loc. No. 02 & Replacement of broken / damaged disc insulators	MSETCL	MSETCL				
304	400	400 Bus-2A at champa	9/Aug/17	8:00	9/Aug/17	18:00	Daily	To carryout the alignment of the isolators at the BUS Sectionalizer with respect to the IPS tube	WRTS-I	WRTS-I	R	Bus		
305	400	400 PARLI(PG)-PARLI(MSETCL) I	9/Aug/17	9:30	9/Aug/17	11:30	Daily	CT/PT Integartion for Feeder at Parli (PG)	WRTS-I	WRTS-I	C	LINE		
306	400	400 PARLI(PG)-PARLI(MSETCL) II	9/Aug/17	13:30	9/Aug/17	15:30	Daily	CT/PT Integartion for Feeder at Parli (PG)	WRTS-I	WRTS-I	C	LINE		
307	400	400 RAIPUR-WARDHA II	9/Aug/17	10:00	9/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	Line		
308	400	Shujalpur-Bina Ckt-I Tie Bay (402) at Shujalpur	9/Aug/17	10:00	9/Aug/17	18:00	Daily	AMP works.	POWERGRID	WR-II	C			
309	765	(713 LR) Satna#1 Line Reactor Bay at Gwalior	9/Aug/17	10:00	9/Aug/17	17:00	Daily	AMP WORKS	POWERGRID	WR-II	R			
310	400	RAJGARH-KASOR-1 LINE WITH TBC BAY AT KASOR GETCO SS	9/Aug/17	10:00	9/Aug/17	16:00	Daily	A/R CHECKING	RELIANCE	WR-II	R			
311	400	Khandwa -Itarsi -Ckt.2	9/Aug/17	9:00	9/Aug/17	18:00	Daily	Line AMP & Terminal Equipment maintenance work.AMP.(Auto reclosure of Khandwa -Itarsi Ckt-1 to be kept on Non auto Mode)	POWERGRID	WR-II	R			
312	765	BUS I at Vchal PS	9/Aug/17	9:00	9/Aug/17	18:00	Daily	Bus extension work for future bay	POWERGRID	WR-II	C			
313	765	3X500 MVA ICT#2 at Vadodara GIS	9/Aug/17	10:00	9/Aug/17	14:00	Daily	Changeover of Spare ICT	POWERGRID	WR-II	R			
314	400	422 (Jetpur-1 Main breaker) bay at CGPL	9/Aug/17	8:00	9/Aug/17	20:00	Daily	422 CT testing	CGPL	CGPL				

315	400	400 DGEN NAVSARI LINE 2 (BAY 405)	9/Aug/17	8:00	9/Aug/17	18:00	Daily	For changing relay setting according to the new lines connected (Kakrapar -Navsari D/c at 400 PGCIL GIS-Dastan) . Line outage required.	TPL	TPL	R		
316	400	400/220 315 MVA ICT - 1 Kasor	9/Aug/17	8:00	9/Aug/17	18:00	Daily	Bushing Tand Delta testing and Routine testing of ICT	GETCO	GETCO			
317	220	220 Khanpur - Dehgam Line - 2	9/Aug/17	8:00	9/Aug/17	18:00	Daily	For pmm work , tendelta work	GETCO	GETCO			
318	400	400 Kansari - Kankaroli Line	9/Aug/17	8:00	9/Aug/17	18:00	Daily	Bay maintenance work	PGCIL	GETCO			
319	400	167 MVA Spare ICT Chorania	9/Aug/17	8:00	9/Aug/17	18:00	Daily	CT Tan Delta & Breaker DCRM testing work	GETCO	GETCO			
320	220	220 Charadava - Bhimasar line - 1	9/Aug/17	8:00	9/Aug/17	18:00	Daily	Bus Bar Scheme Testing work by O/S Agency M/S Hi Tech ltd	GETCO	GETCO			
321	400	400/220/33 kV 315 MVA ICT - 2 Hadala	9/Aug/17	8:00	9/Aug/17	18:00	Daily	For Bay maint. work	GETCO	GETCO			
322	400	400 /220 ICT - 1 TPL - Sugan	9/Aug/17	7:00	9/Aug/17	18:00	Daily	Annual Maintenance of ICT-1	TPL-SUGEN	TPL-SUGEN			
323	400	411 Bay (Main Bay of Wardha Ckt- 2) at 400 Akola	9/Aug/17	10:00	9/Aug/17	17:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL			
324	400	400 Dhule-Khandwa Ckt-II	9/Aug/17	8:00	9/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL & PGCIL			
325	400	400 Deepnagar-Khadka Ckt-I	9/Aug/17	8:30	9/Aug/17	17:30	Daily	C & Tan Delta ,Bay Routine Maintenance	MSETCL	MSETCL			
326	400	STATION T/F 8A (Main Bay 410 & TIE Bay 411) at 400 Chandrapur Switching Substation	9/Aug/17	9:00	9/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
327	400	400/220/33kV 315 MVA ICT-I & It's Bay @400 S/S Chandrapur	9/Aug/17	8:00	9/Aug/17	18:00	Daily	1) For Measurement of Tan delta & capacitance of Bushings & Windings. 2)Testing & maintenance of 400 & 220 CB. Routine maintenance of the bay.	MSETCL	MSETCL	---		
328	400	501MVA, ICT 1 @ 400 Koradi-2 Substation	9/Aug/17	9:00	10/Aug/17	18:00	Daily	Tan Delta Measurement Of ICT1 Bushing IR& PI, Oil Parameter Test, Cooling System Trial Tan Delta Measurement Of 205CT	MSETCL	MSETCL	Load will be shifted to ICT-2		
329	400	Girawali-Solapur line	9/Aug/17	10:00	9/Aug/17	16:00	Daily	Line Signature Analysis	MSETCL	MSETCL			
330	400	400 NewKoyna-Koyna stg IV-Ckt-2	9/Aug/17	8:00	9/Aug/17	18:00	Daily	Routine Maintenance work & Relay testing Work	MSETCL	MSETCL			
331	400	Babhaleshwar-Ektuni-Ckt-1 @BBLR	9/Aug/17	9:00	9/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400 Babhaleshwar-Ektuni-Ckt-2 will be in service		
332	400	Sipat-Raipur line-1	9/Aug/17	7:30	11/Aug/17	19:00	Continuous	For Annual maint works	NTPC	NTPC			
333	765	765kV WARDHA - AURANGABAD(PG) IV	9/Aug/17	8:00	9/Aug/17	18:00	Daily	For construction of new wardha 1200/400 stringing works	WRTS-I	WRTS-I	C	Line	
334	400	400 BHADRAVATI-CHANDRAPUR IV	9/Aug/17	8:00	9/Aug/17	18:00	Daily	Rectification of Loose CC rings in Loc.No.07	WRTS-I	WRTS-I	R	LINE	
335	400	125 MVAr BUS REACTOR MAIN BAY (412 BAY) AT KOLHAPUR-GIS	9/Aug/17	10:00	9/Aug/17	18:00	Daily	For bay AMP works.	WRTS-I	WRTS-I	R	BAY	
336	765	SWITCHABLE LR_765kV_JHARSUGUDA 1_D'JAIGARH	9/Aug/17	9:00	9/Aug/17	18:00	Daily	DCRM of CB	WRTS-I	WRTS-I	R	LR	
337	400	MAIN BAY ICT4_765/400_KOTRA PS	9/Aug/17	9:00	9/Aug/17	18:00	Daily	AMP 2017 - 2018	WRTS-I	WRTS-I	R	BAY	
338	400	Main bay (409) of GIS Line # 3 at Talegaon	9/Aug/17	9:00	9/Aug/17	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R	Bay	
339	220	TRANSFER_BUS_COUPLER_BAY_206 at Seoni	9/Aug/17	9:30	9/Aug/17	18:00	Daily	For AMP testing work	WRTS-I	WRTS-I	R	Bay	
340	400	ICT3_400/220_SOLAPUR	9/Aug/17	9:00	9/Aug/17	18:00	DAILY	CSD COMMISSIONING WORKS	WRTS-1	WRTS-1	C	ICT	
341	765	765 kV BUS II at Tamnar PS	9/Aug/17	10:00	9/Aug/17	18:00	Daily	For changing Terminal connectors of 765 kV BUS II CVT of Siemens make	WRTS-I	WRTS-I	R	BUS	
342	765	701, Nizamabad #1, Main bay at Wardha	9/Aug/17	9:00	9/Aug/17	18:00	Daily	DCRM of CB	WRTS-I	WRTS-I	R	Bay	
343	400	400 WARDHA-AKOLA I	9/Aug/17	9:00	9/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
344	765	765 KV wardha - Durg Ckt #1 non-switchable reactor at Wardha	9/Aug/17	9:00	9/Aug/17	18:00	Daily	For sampling of bushing, Line will be in service without L/R.	WRTS-I	WRTS-I	R	Reactor	
345	765	765kV SEONI-WARDHA II	9/Aug/17	9:00	9/Aug/17	18:00	Daily	For completion of balance fire fighting work	WRTS-I	WRTS-I	C	Line	
346	400	Tie Bay (44752) of Durg 2 & future at Raipur SS	9/Aug/17	9:30	9/Aug/17	17:30	Daily	AMP work at Raipur	WRTS-I	WRTS-I	R	BAY	
347	765	Tie bay of 765kV Wardha-4 & Future bay at Durg PS	9/Aug/17	9:00	11/Aug/17	18:00	Daily	Erection of 765kV CB in future bay for Adani	WRTS-I	WRTS-I	C	Bay	

348	765	SWITCHABLE LR_765KV_A'BAD 2_WARDHA	9/Aug/17	9:00	15/Aug/17	18:00	continuous	Erection of Spare reactor & Switching scheme checking. Line will be in Service without L/R.	WRTS-I	WRTS-I	R	Reactor	If line kept out on HV and could not be charged without LR, line outage to be considered in availability certification.
349	400	400 KV JULWANIA 315MVA X'mer-I (CGL)	9/Aug/17	9:00	12/Aug/17	17:00	Continuous	For replacement of transformer Aircell	MPPTCL	MPPTCL	R		
350	400	400KV Birsinghpur-Katni -II	9/Aug/17	8:00	9/Aug/17	18:00	daily	FOR LINE / BAY MAINTENANCE WORK	MPPTCL	MPPTCL	R		
351	220	220KV Badod-Kota	9/Aug/17	9:00	9/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
352	220	220KV Gwalior(PGCIL)-Malanpur -I	9/Aug/17	9:00	9/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
353	765	SWITCHABLE LR_765KV_A'BAD 2_WARDHA	10/Aug/17	9:00	12/Aug/17	18:00	continuous	Mechanism box replacement, Line will be in Service without L/R.	WRTS-I	WRTS-I	R	SLR	If line kept out on HV and could not be charged without LR, line outage to be considered in availability certification.
354	400	400 Dehgam - Vadavi Line - 1	10/Aug/17	0:00	10/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			New revised date is 10.08.17
355	400	400 WARDHA-AKOLA II	10/Aug/17	9:00	10/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
356	400	400 Bus 2 at Bhachau	10/Aug/17	8:00	13/Aug/17	18:00	Daily	RTV Coating of 400 BUS 2 BPI & Bus 2 Isolators of all feeders.	POWERGRID	WR-II	C		subjected to CGPL generation restriction.
357	400	Parli (Girwali) - Nanded Ckt-II	10/Aug/17	9:00	15/Aug/17	16:00	Daily	Permit to shift A/R Switch in Non-Auto Mode for E/W clamp tightening at various locations.	MSETCL	MSETCL			
358	765	765KV Bus -I at Durg PS	10/Aug/17	9:00	10/Aug/17	18:00	Daily	Erection of tower for under construction bay for 765KV Adani at Durg PS	WRTS-I	WRTS-I	C	Bus	
359	400	400 Lamboti-sholapur	10/Aug/17	8:00	10/Aug/17	17:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
360	400	415_Bus reactor main bay at Bina	10/Aug/17	9:30	10/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
361	400	400 Damoh-Birsingpur line#1 terminal equipment with L/R at Damoh S/S	10/Aug/17	9:00	10/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
362	400	315 MVA ICT-I at Shujalpur	10/Aug/17	10:00	11/Aug/17	17:00	Daily	Retrofitting of GE P633 Relay & AMP works.	POWERGRID	WR-II	C		
363	765	712 LRB (Bina#1 L/R Bay) at Gwalior	10/Aug/17	10:00	10/Aug/17	18:00	Daily	AMP WORKS and NGR LA Replacement	POWERGRID	WR-II	C		
364	400	Bay 410 (Rajgarh- Nagda #2 Main Bay) at Rajgarh	10/Aug/17	10:00	10/Aug/17	17:00	Daily	For CT Testing	POWERGRID	WR-II	R		
365	400	125MVAR BUS REACTOR -II at Khandwa SS.	10/Aug/17	9:00	10/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
366	400	ITARSI-1 TIE BAY(417) at Jabalpur	10/Aug/17	9:00	10/Aug/17	17:00	Daily	AMP WORK	POWERGRID	WR-II	R		
367	400	Aurangabad line Reactor-II at Boisar	10/Aug/17	9:00	11/Aug/17	18:00	Daily	145KV CB Erection Work for implementation of NGR bypass system	POWER GRID	WR-II	C		
368	400	403 (GT10 Main breaker) bay at CGPL	10/Aug/17	8:00	10/Aug/17	20:00	Daily	403 CT testing	CGPL	CGPL			
369	400	400/220 315 MVA ICT - 2 Kasor	10/Aug/17	8:00	10/Aug/17	18:00	Daily	Annual Routine testing of ICT	GETCO	GETCO			
370	400	400 Kansari - Bhinmal line	10/Aug/17	8:00	10/Aug/17	18:00	Daily	Bay maintenance work	PGCIL	GETCO			
371	400	400 JAIGAD -I @ KARAD	10/Aug/17	10:00	10/Aug/17	17:00	Daily	Quarterly. Maint. work	MSETCL	MSETCL	Load manage on 400 JAIGAD -2		
372	400	Thaptitanda-Deepnagar @ Thaptitanda	10/Aug/17	10:00	10/Aug/17	17:00	Daily	Jumper Tightning	MSETCL	MSETCL			
373	400	400 TBC Bay @ 400 Waluj	10/Aug/17	8:00	10/Aug/17	18:00	Daily	Annual Maintenance of bays equipment	MSETCL	MSETCL			
374	400	400 Akola- Bhusawal Line	10/Aug/17	12:00	12/Aug/17	18:00	Daily	PID testing of insulator strings by Hot line Uint Akola. A/R shall be kept in non auto mode.	MSETCL	MSETCL	400 Koradi- Bhusawal, 400 Akola- Nandgaonpeth & 400 Koradi-Nandgaonpeth are in service.		
375	400	400 Bus- Coupler @ Lonikand 1 s/s	10/Aug/17	9:00	10/Aug/17	15:00	Daily	Routine Maintenance work	MSETCL	MSETCL			
376	400	400, 80 MVAR bus reactor @400 Dhule	10/Aug/17	8:00	10/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
377	400	Chandrapur 2 - Warora Ckt-1	10/Aug/17	8:00	10/Aug/17	18:00	Daily	Diagnostic Testing & Replacement of broken / damaged disc insulatorsFitting & tightening of jumper cone bolts, conductor and earthwire hardware.	MSETCL	MSETCL			
378	400	401-Bay (Main Bay of 167MVA 400/220 Spare ICT) at Nanded Substation	10/Aug/17	10:00	10/Aug/17	18:00	Daily	To carry out RRS scheme trials for the 1st time after commissioning of ICTs. Spare ICT is to be taken into service in ICT-2 group. Simultaneously outage needs to be avail on Spare ICT(401), TIE (406) & ICT-1(407) bay for completion of the activity.	MSETCL	MSETCL			

379	400	406-Bay (Tie Bay of Girwali Line-2 and 501MVA 400/220 ICT-2) at Nanded Substation	10/Aug/17	10:00	10/Aug/17	18:00	Daily	To carry out RRS scheme trials for the 1st time after commissioning of ICTs. Spare ICT is to be taken into service in ICT-2 group. Simultaneously outage needs to be avail on Spare ICT(401), TIE (406) & ICT-1(407) bay for completion of the activity.	MSETCL	MSETCL			
380	400	407-Bay (Main Bay of 501MVA 400/220 ICT-2) at Kumbhargaoon Substation	10/Aug/17	10:00	10/Aug/17	18:00	Daily	To carry out RRS scheme trials for the 1st time after commissioning of ICTs. Spare ICT is to be taken into service in ICT-2 group. Simultaneously outage needs to be avail on Spare ICT(401), TIE (406) & ICT-1(407) bay for completion of the activity.	MSETCL	MSETCL			
381	765	SWITCHABLE LR_400_BOISAR1_AURANGABAD	10/Aug/17	9:00	10/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R		BR
382	400	400 BHADRAVATI-CHANDRAPUR III	10/Aug/17	8:00	10/Aug/17	18:00	Daily	Rectification of Loose CC rings in Loc.No.07	WRTS-I	WRTS-I	R		LINE
383	765	Korba_716_Main Bay at Bilaspur PS	10/Aug/17	9:00	10/Aug/17	18:00	Daily	AMP works (CB Timings, CRM,GC,and CT tan delta meas.)	WRTS-I	WRTS-I	R		Bay
384	765	765 Kv Champa # 2 Main bay 819 at Durg PS	10/Aug/17	9:00	10/Aug/17	18:00	Daily	AMP of Bay	WRTS-I	WRTS-I	R		Bay
385	765	MAIN BAY_765KV TAMNAR PS-KOTRA PS II_KOTRA PS	10/Aug/17	9:00	10/Aug/17	18:00	Daily	AMP 2017 - 2018	WRTS-I	WRTS-I	R		BAY
386	400	ICT2_400/220_SOLAPUR	10/Aug/17	9:00	10/Aug/17	18:00	DAILY	33KV AUX SUPPLY EXTENSION WORKS AND EMULSIFIRE PAINTING	WRTS-1	WRTS-1	C		ICT
387	220	220KV Badod-Modak	10/Aug/17	9:00	10/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
388	220	220KV Seoni (PGCIL)-Chhindwara II	10/Aug/17	9:00	10/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
389	220	220KV Gwalior(PGCIL)-Malanpur II	10/Aug/17	9:00	10/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
390	400	ROURKELA-RAIGARH – II(DIRECT)	10/Aug/17	8:00	10/Aug/17	18:00	Daily	TO MAKE DIRECT BY REMOVING JUMPERS	ERPC	VEDANTA LTD			
391	765	765 KV Bus-II at Satna SS	11/Aug/17	9:00	12/Aug/17	18:00	Daily	For Jumper Rectification work	POWERGRID	WR-II	R		
392	765	Vadodara- Indore Line	11/Aug/17	10:00	11/Aug/17	13:00	Daily	Changeover of Spare Reactor	POWERGRID	WR-II	R		
393	400	400 Dehgam - Vadavi line - 2	11/Aug/17	0:00	11/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			New revised date is 11.08.17
394	400	400 WARDHA-AKOLA I	11/Aug/17	9:00	11/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C		Line
395	400	400 Bus-2B at champa	11/Aug/17	8:00	11/Aug/17	18:00	Daily	To carryout the alignment of the isolators at the BUS Sectionalizer with respect to the IPS tube	WRTS-I	WRTS-I	R		Bus
396	400	400kV Bus-2 at BVT	11/Aug/17	9:00	11/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R		BUS
397	400	400 Parli(M)-Nanded ckt 1	11/Aug/17	9:00	11/Aug/17	18:00	Daily	Bay and reactor maintenance	MSETCL	MSETCL			bay at ehich end. Will ckt be in service.
398	400	400 Lonikand Parli-II	11/Aug/17	8:00	11/Aug/17	17:00	Daily	Routine line Maintenance work	MSETCL	MSETCL			To be Considered for 11.08.2017
399	765	711,Bus reactor & Gwalior-1 tie bay at Bina	11/Aug/17	9:30	11/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
400	400	400 Damoh-Birsingpur line#2 terminal equipment with L/R at Damoh S/S	11/Aug/17	9:00	11/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
401	765	701LRB (Jaipur#2 L/R Bay) at Gwalior	11/Aug/17	10:00	11/Aug/17	17:00	Daily	AMP WORKS and NGR LA Replacement	POWERGRID	WR-II	C		
402	400	315 MVA ICT-1 at Navsari	11/Aug/17	9:00	11/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
403	400	Bay 403 (Rajgarh- Khandwa#1 Main Bay) at Rajgarh	11/Aug/17	10:00	11/Aug/17	17:00	Daily	For Circuit breaker Testing	POWERGRID	WR-II	R		
404	765	Future Bay (709) in Bus Reactor Dia at Vadodara GIS	11/Aug/17	10:00	11/Aug/17	17:00	Daily	for CB AMP	POWERGRID	WR-II	R		
405	400	400 Vapi-Boisar line	11/Aug/17	10:00	11/Aug/17	16:00	Daily	Main-1 relay replacement work	POWERGRID	WR-II	C		
406	400	ICT#1 TIE BAY (420) at Jabalpur	11/Aug/17	9:00	11/Aug/17	17:00	Daily	AMP WORK	POWERGRID	WR-II	R		
407	400	400 Main Bus - 1 Soja	11/Aug/17	8:00	11/Aug/17	18:00	Daily	PMM Work	GETCO	GETCO			
408	400	400 Bus coupler Soja	11/Aug/17	8:00	11/Aug/17	18:00	Daily	PMM Work	GETCO	GETCO			
409	400	400 Asoj - Kosamba line	11/Aug/17	8:00	11/Aug/17	18:00	Daily	For bay maint. and condition monitoring work	GETCO	GETCO			
410	400	400/220 315 MVA ICT - 3 Kasor	11/Aug/17	8:00	11/Aug/17	18:00	Daily	HV-L CT Tand Bushing Tan Delta testing and Routine testing of ICT	GETCO	GETCO			
411	400	400 /220 ICT - 2 TPL - Sugen	11/Aug/17	7:00	11/Aug/17	18:00	Daily	Annual Maintenance of ICT-2	TPL-SUGEN	TPL-SUGEN			
412	220	220 PGCIL CKT 1 @ 220 SHENDRA	11/Aug/17	9:00	11/Aug/17	13:00	Daily	Diagonstic Testing , tan delta of CT PT measurement	MSETCL	MSETCL			
413	220	220 PGCIL CKT 2 @ 220 SHENDRA	11/Aug/17	13:00	11/Aug/17	18:00	Daily	Diagonstic Testing , tan delta of CT PT measurement	MSETCL	MSETCL			
414	400	400 Main-Bus 2 @ 400 Waluj	11/Aug/17	8:00	11/Aug/17	18:00	Daily	Bus Annual Maintenance work & Maintenance work of 89B B-ph of 400 Deepnagar line bay	MSETCL	MSETCL	400 Deepnagar need to be kept OFF.		

415	400	400 Deepnagar-Waluj ckt @ both end	11/Aug/17	6:00	11/Aug/17	18:00	Daily	Maintenance work of 89B B-ph PGI of 400 Deepnagar line bay	MSETCL	M/S.Shree Swami Samarth Power Elect.Pvt.Ltd .Amravati			
416	400	400 HVDC ckt. No.-I @400 S/S Chandrapur	11/Aug/17	8:00	11/Aug/17	18:00	Daily	1) Attending the hot spot on PG Isolators. 2) Routine maintenance of the bay.	MSETCL	MSETCL	---		HVDC restricted to 1000MW
417	400	400 NewKoyana-Dabhol -Ckt-1	11/Aug/17	8:00	11/Aug/17	18:00	Daily	Routine Maintenance work & Relay testing Work	MSETCL	MSETCL			
418	765	SWITCHABLE LR 400_BOISAR2_AURANGABAD	11/Aug/17	9:00	11/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	BR	
419	765	MAIN BAY_765KV TAMNAR PS-KOTRA PS II_KOTRA PS	11/Aug/17	9:00	11/Aug/17	18:00	Daily	AMP 2017 - 2018	WRTS-I	WRTS-I	R	BAY	
420	400	Main bay (413) of Lonikand Line at Talegaon	11/Aug/17	9:00	11/Aug/17	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R	Bay	
421	400	FSC 3 at Raipur SS	11/Aug/17	9:30	11/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R	FSC	
422	220	SEONI2_BAY_205 at Seoni	11/Aug/17	9:30	11/Aug/17	18:00	Daily	For AMP testing work	WRTS-I	WRTS-I	R	Bay	
423	400	SOLAPUR_TIE BAY 420_400 NTPC#1 AND FUTURE	11/Aug/17	9:00	11/Aug/17	18:00	DAILY	AMP WORKS	WRTS-1	WRTS-1	R	BAY	
424	400	400 WARDHA-AKOLA I	11/Aug/17	9:00	11/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
425	765	765 KV wardha - Durg Ckt #2 non-switchable reactor at Wardha	11/Aug/17	9:00	11/Aug/17	18:00	Daily	For sampling of bushing, Line will be in service without L/R.	WRTS-I	WRTS-I	R	Reactor	
426	400	ICT-4 400 side Main Bay 427 at Champa PS	11/Aug/17	9:00	12/Aug/17	17:30	Daily	AMP/Warranty Tests	WRTS-I	WRTS-I	R	BAY	
427	400	400KV NAGDA ICT-III X'mer	11/Aug/17	8:00	11/Aug/17	17:00	daily	For new CB testing work	MPPTCL	MPPTCL	R		
428	400	400KV I.S.P. - Nagda	11/Aug/17	8:00	11/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
429	220	220KV Gwalior(PGCIL)-Mahalgaon -I	11/Aug/17	9:00	11/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
430	400	400 WARDHA-AKOLA II	12/Aug/17	9:00	12/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
431	765	765kv AURANGABAD(PG)-SOLAPUR II	12/Aug/17	8:00	12/Aug/17	18:00	Daily	For swapping of 765kv Solapur line in solapur bays and pending construction points	WRTS-I	WRTS-I	C	Line	NLDC consent required.
432	400	400 50MVAR Bus Reactor Vadavi	12/Aug/17	0:00	12/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			New revised date is 12.08.17
433	765	INDORE-BINA LINE	12/Aug/17	10:00	12/Aug/17	18:00	Daily	CHECKING OF NGR BYPASS SCHEME	POWERGRID	WR-II	R		
434	400	Babhaleshwar-Aurangabad @BBLR	12/Aug/17	9:00	12/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400 Bhusawal, Dhule-Ckt-1, Dhule-Ckt-2, Ektuni-ckt-1, Ektuni-ckt-2 will be in service		To be Considered for 12.08.2017
435	400	400 Mundra Bhachau 1	12/Aug/17	8:00	12/Aug/17	18:00	Daily	RTV coating of Line Main bay & Tie Bay isolators, CB & CT.	POWERGRID	WR-II	C		Feasible any one ckt, when one unit of CGPL remain out of bar
436	765	711_Bus reactor & Gwalior-1 tie bay at Bina	12/Aug/17	9:30	12/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
437	400	400 Damoh-Bhopal line#1 terminal equipment at Damoh S/S	12/Aug/17	9:00	12/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
438	400	315 MVA ICT-II at Shujalpur	12/Aug/17	10:00	13/Aug/17	17:00	Daily	Retrofitting of GE P633 Relay & AMP works.	POWERGRID	WR-II	C		
439	400	400 BAY 408 at Satna SS	12/Aug/17	9:00	12/Aug/17	18:00	Daily	For AMP work	POWERGRID	WR-II	R		
440	400	425 (Bhachau-2 Main breaker) bay at CGPL	12/Aug/17	8:00	12/Aug/17	20:00	Daily	425 CT testing	CGPL	CGPL			
441	400	400 Khadka-Koradi Ckt @ 400 R.S. Khadka	12/Aug/17	8:30	12/Aug/17	17:30	Daily	C & Tan Delta ,Bay Routine Maintenance	MSETCL	MSETCL			
442	220	220 Bhugaon - Wardha PG	12/Aug/17	10:00	12/Aug/17	16:00	Daily	For replacemet of Damper	MSETCL	MSETCL	Outage will be proposed by Line maint s/dn Hingangaht		
443	400/220	400/220 315MVA, ICT 1 @ Babhaleshwar	12/Aug/17	9:00	12/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400/220 315MVA ICT-II, 500MVA ICT-III & 500MVA ICT-IV will be in service		
444	765	Seoni#2_707_Main Bay at Bilaspur PS	12/Aug/17	9:00	12/Aug/17	18:00	Daily	AMP works (CB Timings and CT tan delta meas.)	WRTS-I	WRTS-I	R	Bay	
445	765	765 Kv Wardha# 2 Main bay 818 at Durg PS	12/Aug/17	9:00	12/Aug/17	18:00	Daily	AMP of Bay	WRTS-I	WRTS-I	R	Bay	
446	765	TIE BAY(729) OF RANCHI # 2 & JHARSAGUDA-2 AT DHARAMJAYGARH(KORBA) SS	12/Aug/17	9:00	12/Aug/17	18:00	Daily	AMP WORKS OF BAY	WRTS-I	WRTS-I	R	BAY	

447	400	SOLAPUR_MAIN BAY 421_ 400 NTPC#1	12/Aug/17	9:00	12/Aug/17	18:00	DAILY	AMP WORKS	WRTS-1	WRTS-1	R	BAY	
448	765	765 KV Wardha- Seoni #2 Main Bay, 710 Bay at Wardha	12/Aug/17	9:00	12/Aug/17	18:00	Daily	For sampling of CT	WRTS-I	WRTS-I	R	Bay	
449	400	Essar - Bhachau D/C Line	12/Aug/17	7:00	12/Aug/17	20:00	Daily	Stringing of LILO line of Mundra - Limbdi line at Bachau Ss between tower nos. 80/2 & 80/3	WRTS-II	POWERGRID	C		
450	220	220KV Gwalior(PGCIL)-Mahalgaon-II	12/Aug/17	9:00	12/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
451	765	765kV AURANGABAD(PG)-SOLAPUR I	13/Aug/17	8:00	13/Aug/17	18:00	Daily	For swapping of 765kV Solapur line in solapur bays and pending construction points	WRTS-I	WRTS-I	C	Line	
452	400	MANSAR-CHORNIYA LINE AT CHORNIYA (LIMBDI)GETCO SS	13/Aug/17	10:00	13/Aug/17	14:00	Daily	TBC CHECKING	POWERGRID	WR-II	R		
453	765	765 KV Bus-I at Satna SS	13/Aug/17	9:00	14/Aug/17	18:00	Continuous	For Rectification of Bus Gantry	POWERGRID	WR-II	R		
454	400	400 TBC/125MVAR Reactor Vadavi	13/Aug/17	0:00	13/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			New revised date is 13.08.17
455	400	400 WARDHA-AKOLA II	13/Aug/17	9:00	13/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
456	400	400 Vapi-Sugen line	13/Aug/17	10:00	13/Aug/17	16:00	Daily	Main-1 relay replacement work	POWERGRID	WR-II	C		Outage shall be arranged on 06.08.2017 or 13.08.2017 due to less generation at TAPS.
457	765	INDORE-BHOPAL LINE	13/Aug/17	10:00	13/Aug/17	18:00	Daily	CHECKING OF NGR BYPASS SCHEME	STERLITE	WR-II	R		
458	765	765kV Satna Bina 1 line	13/Aug/17	9:30	13/Aug/17	18:00	Daily	Erection of circuit breaker & BPI for implementation of NGR bypass scheme.	POWERGRID	WR-II	C		
459	765	765KV Jabalpur-Bina#1 switchable Reactor along with Reactor bay(815 Reactor Bay) at Pooling station, Jabalpur	13/Aug/17	10:00	13/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
460	400	J P NIGRIE-SATNA-2	13/Aug/17	8AM	13/Aug/17	6PM	Daily	Fixing of missing Arcing Horns,Twin Spacers & Rigid Spacers	JP NIGRIE	JP NIGRIE			JP Nigri not to bid on PX
461	400	410 and 409 -Bay (Main & Tie bay of Lonikand-II -Parali ckt II) at Lonikand-II Substation	13/Aug/17	9:00	13/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
462	400	MCCPL_ 416_Main Bay at Bilaspur PS	13/Aug/17	9:00	13/Aug/17	18:00	Daily	AMP works (CB Timings and CT tan delta meas.)	WRTS-I	WRTS-I	R	Bay	
463	765	765 KV Wardha- Seoni #1 Main Bay, 725 bay at Wardha	13/Aug/17	9:00	13/Aug/17	18:00	Daily	For sampling of CT, 726 Tie bay commissioning	WRTS-I	WRTS-I	C	Bay	
464	400	413 (Mansar Main breaker) bay at CGPL	14/Aug/17	8:00	14/Aug/17	20:00	Daily	413 CT testing	CGPL	CGPL			
465	400	400 Bus Coupler Vadavi	14/Aug/17	0:00	14/Aug/17	0:00	Daily	Termination of new busbar panel connection	GETCO	GETCO			New revised date is 14.08.17
466	400	400 Asoj - SSP Line with Auto Reclosure in non auto mode of 400 SSP-Kasor line	14/Aug/17	8:00	14/Aug/17	18:00	Daily	For bay maint. and condition monitoring work	GETCO	GETCO	Non auto reclose code for 400 Kasor- SSP line is required.		
467	400	400 Bus - 1 Chorania	14/Aug/17	8:00	14/Aug/17	18:00	Daily	Annual maintenance work	GETCO	GETCO			
468	400	400 WARDHA-AKOLA II	14/Aug/17	9:00	14/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
469	765	INDORE - VADODARA LINE	14/Aug/17	10:00	14/Aug/17	18:00	Daily	CHECKING OF NGR BYPASS SCHEME	POWERGRID	WR-II	R		
470	400	400 Damoh-Bhopal line#2 terminal equipment at Damoh S/S	14/Aug/17	9:00	14/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
471	400	63 MVAR Bus Reactor-I at Shujalpur	14/Aug/17	10:00	14/Aug/17	18:00	Daily	Retrofitting of GE P633 Relay & AMP works.	POWERGRID	WR-II	C		
472	765	704LRB (Jaipur#1 L/R Bay) at Gwalior	14/Aug/17	10:00	14/Aug/17	17:00	Daily	AMP work	POWERGRID	WR-II	R		NLDC consent required.
473	765	BAY710(MAIN BAY FOR BHOPAL LINE) at Indore	14/Aug/17	10:00	16/Aug/17	18:00	Daily	BAY AMP	POWERGRID	WR-II	R		
474	765	765KV Jabalpur-Bina#2 switchable Reactor along with Reactor bay(818 Reactor Bay) at Pooling station, Jabalpur	14/Aug/17	10:00	14/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
475	220	220 Vapi-Vapi	14/Aug/17	10:00	14/Aug/17	16:00	Daily	Main-1 relay replacement work	GETCO	WR-II	C		
476	400	ICT#1 MAIN BAY (421) at Jabalpur	14/Aug/17	9:00	14/Aug/17	17:00	Daily	AMP WORK	POWERGRID	WR-II	R		
477	400	400 Deepnagar-Khadka Ckt-II @ 400 Deepnagar	14/Aug/17	8:30	14/Aug/17	17:30	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			

478	400	Babhaleshwar-Bhusawal @BBLR	14/Aug/17	9:00	14/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400 Bhusawal, Dhule-Ckt-1, Dhule-Ckt-2, Ektuni-ckt-1, Ektuni-ckt-2 will be in service		
479	765	765 Kv ICT # 1 Main Bay 803 at Durg PS	14/Aug/17	9:00	14/Aug/17	18:00	Daily	AMP of Bay	WRTS-I	WRTS-I	R	Bay	
480	400	FSC 4 at Raipur SS	14/Aug/17	9:30	14/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R	FSC	
481	400	400 RAIPUR-DURG I	14/Aug/17	10:00	14/Aug/17	18:00	Daily	For attending the shut down defects	WRTS-I	WRTS-I	R	Line	
482	765	Tie Bay 720 of Aurangabad # 3 & Durg-2 at Wardha	14/Aug/17	9:00	14/Aug/17	18:00	Daily	For sampling of CT	WRTS-I	WRTS-I	R	Bay	
483	400	Mundra - Sami D/C line	14/Aug/17	7:00	14/Aug/17	20:00	Daily	Stringing of LILO line of Mundra - Limbdi line at Bachau Ss between tower nos. 278 & 279	WRTS-II	ADANI	C		HVDC Power flow shall be more than 2000 MW outage on13th Sunday
484	400	400KV Indore- Nagda	14/Aug/17	7:00	14/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
485	400	419 (Jetpur-2 Main breaker) bay at CGPL	15/Aug/17	8:00	15/Aug/17	20:00	Daily	419 CT testing	CGPL	CGPL			
486	400	BUS II at Vchal PS	15/Aug/17	9:00	15/Aug/17	18:00	Daily	Bus extension work for future bay	POWERGRID	WR-II	C		
487	400	416 (Limbdi-1 Main breaker) bay at CGPL	15/Aug/17	8:00	15/Aug/17	20:00	Daily	416 CT testing	CGPL	CGPL			
488	400	400 WARDHA-AKOLA II	15/Aug/17	9:00	15/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
489	400	400 BAY 413 at Satna SS	15/Aug/17	9:00	15/Aug/17	18:00	Daily	For AMP work	POWERGRID	WR-II	R		
490	400	400 BAY 412at Satna SS	15/Aug/17	9:00	15/Aug/17	18:00	Daily	For Tan Delta at Variable frequency	POWERGRID	WR-II	R		
491	400	400 RAIPUR-DURG I	15/Aug/17	10:00	15/Aug/17	18:00	Daily	For attending the shut down defects	WRTS-I	WRTS-I	R	Line	
492	400	400 Bus #2 at Wardha	16/Aug/17	9:00	18/Aug/17	18:00	continuous	bus extension for new 400 Abad line	WRTS-I	WRTS-I	C	Bus	NLDC/SRLDC Consent required/ ATC/TTC revision may be suggested
493	400	400 WARDHA-PARLI I	16/Aug/17	9:30	16/Aug/17	11:30	Daily	CT/PT Integartion for Feeder	WRTS-I	WRTS-I	C	LINE	
494	400	400 WARDHA-PARLI II	16/Aug/17	13:30	16/Aug/17	15:30	Daily	CT/PT Integartion for Feeder	WRTS-I	WRTS-I	C	LINE	
495	400	400 Mundra Bhachau 2	16/Aug/17	8:00	16/Aug/17	18:00	Daily	RTV coating of Line Main bay & Tie Bay isolators, CB & CT.	POWERGRID	WR-II	C		Feasible when one unit of CGPL remain out of bar
496	765	765 kV Main Bus-II at Sasan UMPP	16/Aug/17	6:00	16/Aug/17	18:00	Continuous	Construction of 765 kV bay Extension works at Sasan UMPP by CWRTL	SASAN UMPP	CWRTL			
497	400	400 WARDHA-AKOLA I	16/Aug/17	9:00	16/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
498	400	50MVAR Bina-II Line Reactor at Shujalpur	16/Aug/17	10:00	30/Aug/17	18:00	Continuous	Construction of Reactor Switching Scheme bays at Shujalpur. Line will be in service without LR at Shujalpur	POWERGRID	WR-II	C		IF voltage permits
499	765	711 bay (765kV Bina#1 Tie bay) at Gwalior	16/Aug/17	10:00	16/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
500	765	765KV Jabalpur-Bina#3 switchable Reactor along with Reactor bay(821 Reactor Bay) at Pooling station, Jabalpur	16/Aug/17	10:00	16/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
501	220	Kakrapar- Vapi-I	16/Aug/17	10:00	16/Aug/17	17:00	Daily	Balance Insulator replacement work	POWERGRID	WR-II	R		
502	220	220 KV BAY 206 at Satna SS	16/Aug/17	9:00	16/Aug/17	18:00	Daily	For Tan Delta at Variable frequency	POWERGRID	WR-II	R		
503	220	220 Vapi-Bhilad-1	16/Aug/17	10:00	16/Aug/17	16:00	Daily	Main-1 relay replacement work	GETCO	WR-II	C		
504	400	400 Vapi-Boisar	16/Aug/17	9:00	17/Aug/17	13:00	Continuous	Online Main-I relay replacement at Boisar	POWER GRID	WR-II	R		
505	400	400 DGEN REACTOR (BAY 401)	16/Aug/17	8:00	17/Aug/17	18:00	Continuous	Tan delta testing for Reactor. Bay Outage required for the same.	TPL	TPL	R		
506	400/220	400/220 500MVA, ICT 2 @Lamboti ss	16/Aug/17	8:00	16/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
507	400	Chandrapur 2 - Nanded Ckt-I	16/Aug/17	6:00	31/Aug/17	17:00	Daily	For PID Work, Shifting of auto reclose switch to non auto mode.	MSETCL	MSETCL			
508	765	765KV JHARSUGUDA #01 MAIN BAY(733) AT DHARAMJAYGARH(KORBA) SS	16/Aug/17	9:00	16/Aug/17	18:00	Daily	AMP WORKS OF BAY	WRTS-I	WRTS-I	R	BAY	
509	400	400 BHILAI-KORADI	16/Aug/17	9:30	16/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R	LINE	
510	765	SWITCHABLE LR_765KV_AURANGABAD 1_SOLAPUR	16/Aug/17	9:00	16/Aug/17	18:00	DAILY	AMP WORKS AND COMMISSIONING OF SPARE SELECTION SCHEME	WRTS-1	WRTS-1	R	LR	

511	765	SWITCHABLE LR_765KV_A'BAD 3_WARDHA	16/Aug/17	9:00	23/Aug/17	18:00	continuous	Erection of Spare reactor & Switching scheme checking. Line will be in Service without L/R.	WRTS-I	WRTS-I	R	SLR	
512	400	400KV HVDC POLE -1 at BVT	16/Aug/17	9:00	26/Aug/17	18:00	continuous	Replacement of converter transformer P1 West B-phase	WRTS-I	WRTS-I	R	POLE-I	WR-SR TTC will be reduced by 500MW
513	400	400 KV NAGDA Tie CB of 400KV ICT-III & 400KV Indore line	16/Aug/17	8:00	26/Aug/17	18:00	Continuous	For replacement of CB	MPPTCL	MPPTCL	R		
514	400	400 KV BHOPAL 315MVA X'mer-I & BDTCL-1 Tie CB	16/Aug/17	9:00	19/Aug/17	17:00	Continuous	For replacement of 6 NO. TIE CT	MPPTCL	MPPTCL	R		
515	765	SWITCHABLE LR_765KV_AURANGABAD 1_SOLAPUR	16/Aug/17	9:00	16/Aug/17	18:00	DAILY	AMP WORKS AND COMMISSIONING OF SPARE SELECTION SCHEME	WR-1	WR-1			
516	400	400 Bhachau Ranchodpura 1	17/Aug/17	8:00	17/Aug/17	18:00	Daily	RTV coating of Line Main bay & Tie Bay isolators, CB & CT.	POWERGRID	WR-II	C		Feasible when one unit of CGPL remain out of bar
517	765	766 kV Main Bus-I at Sasan UMPP	17/Aug/17	6:00	18/Aug/17	18:00	Continuous	Construction of 765 kV bay Extension works at Sasan UMPP by CWRTL	SASAN UMPP	CWRTL			
518	400	400 WARDHA-AKOLA II	17/Aug/17	9:00	17/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
519	765	703, Seoni main bay at Bina	17/Aug/17	9:30	24/Aug/17	18:00	Continuous	For replacement of main CB MB at Bina.	POWERGRID	WR-II	R		
520	400	Nagda-Dehgam Ckt-I at Nagda	17/Aug/17	10:00	17/Aug/17	18:00	Daily	Retrofitting & testing of relay, AMP Work	POWERGRID	WR-II	C		
521	765	713 bay (765kV Satna#1 Main bay) at Gwalior	17/Aug/17	10:00	18/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
522	765	BAY 704(MAIN BAY FOR BINA LINE) at Indore	17/Aug/17	10:00	18/Aug/17	18:00	Daily	BAY AMP	POWERGRID	WR-II	R		
523	765	765KV Jabalpur-Bhopal switchable Reactor along with Reactor bay(824 Reactor Bay) at Pooling station, Jabalpur	17/Aug/17	10:00	17/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
524	220	Kakrapar- Vapi-II	17/Aug/17	10:00	17/Aug/17	17:00	Daily	Balance Insulator replacement work	POWERGRID	WR-II	R		
525	400	315MVA ICT#1 at Khandwa SS.	17/Aug/17	9:00	17/Aug/17	18:00	Daily	Differential relay of ICT#1 retrofitting work	POWERGRID	WR-II	R		
526	765	ICT # 3 at Vchal PS	17/Aug/17	9:00	19/Aug/17	18:00	Daily	For switching and RTCC Work	POWERGRID	WR-II	C		
527	765	765 KV Satna Sasan #1 Line at Satna SS	17/Aug/17	9:00	17/Aug/17	18:00	Daily	For making single conductor to twin conductor for neutral formation.	POWERGRID	WR-II	R		
528	400	Tie Bay (708) of Bus Reactor at Vadodara GIS	17/Aug/17	10:00	17/Aug/17	17:00	Daily	for CB AMP	POWERGRID	WR-II	R		
529	400	ICT#2 TIE BAY (423) at Jabalpur	17/Aug/17	9:00	17/Aug/17	17:00	Daily	AMP WORK	POWERGRID	WR-II	R		
530	400	400 Vapi-Boisar	17/Aug/17	14:00	17/Aug/17	17:00	Daily	For tripping and A/R Trials of Main-I relay at Boisar	POWER GRID	WR-II	R		
531	400	400 Kasor - SSP Line & A/r in N/a of SSP-Asoj	17/Aug/17	8:00	18/Aug/17	18:00	Continuous	Replacement work of center break isolator.	GETCO	GETCO			Non auto reclose code for 400 Asoj - SSP line is required.
532	400	400 /220 ICT - 3 TPL - Sugen	17/Aug/17	7:00	17/Aug/17	18:00	Daily	Annual Maintenance of ICT-3	TPL-SUGEN	TPL-SUGEN			
533	400	402-Bay (TIE Bay ICT 1 & Lonikand line) at 400 Jejuri Substation	17/Aug/17	9:30	17/Aug/17	17:30	Daily	Annual Maintenance of bays equipment	MSETCL	MSETCL			ICT 1 will remain in service through Bus CB 401 & LONIKAND line will remain in service through Bus CB 403.
534	400	400 Akola- Nandgaonpeth Line	17/Aug/17	12:00	19/Aug/17	18:00	Daily	PID testing of insulator strings by Hot line Uint Akola. A/R shall be kept in non auto mode.	MSETCL	MSETCL			400 Koradi- Bhusawal, 400 Akola-Bhusawal & 400 Koradi- Nandgaonpeth are in service.
535	400	400 Girwali-Kunbhargaon ckt 2 bay	17/Aug/17	9:00	17/Aug/17	18:00	Daily	Bay and reactor maintenance	MSETCL	MSETCL			
536	400/220	400/220 315MVA, ICT 2 @ Babhaleshwar	17/Aug/17	9:00	17/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL			400/220 315MVA ICT-I, 500MVA ICT-III & 500MVA ICT-IV will be in service
537	400	400/220,315 MVA ICT-1 @ Lonikand 1 s/s	17/Aug/17	9:00	17/Aug/17	17:00	Daily	Routine Maintenance work	MSETCL	MSETCL			Load will be managed by other 400 ICT's.
538	400	Mouda 400 Bus#4	17/Aug/17	9:00	19/Aug/17	18:00		Annual Maintenance	NTPC	NTPC		Bus	
539	400	Korba-Bhilai Line-1	17/Aug/17	8:30	19/Aug/17	17:30	Continuous	For Main-2 Relay Replacement	NTPC	NTPC			

540	400	400 /220 ICT-3 TRANSFORMER SUGEN	17/Aug/17	7:00	17/Aug/17	18:00	Daily	Annual Maintenance of ICT-3	TPL-SUGEN	TPL-SUGEN	R		
541	765/400	ICT2_765/400_AURANGABAD	17/Aug/17	9:00	17/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R		ICT
542	765	Tie bay 811 of 765kv Kotra # 1 & B/R at Durg PS	17/Aug/17	9:00	17/Aug/17	18:00	Daily	AMP Of Bay	WRTS-I	WRTS-I	R		Bay
543	400	ICT2_MAIN_BAY_406 At Seoni	17/Aug/17	9:30	17/Aug/17	18:00	Daily	For AMP testing work	WRTS-I	WRTS-I	R		Bay
544	765	SWITCHABLE LR_765KV_AURANGABAD 2_SOLAPUR	17/Aug/17	9:00	17/Aug/17	18:00	DAILY	AMP WORKS AND COMMISSIONING OF SPARE SELECTION SCHEME	WRTS-1	WRTS-1	R		LR
545	765	765 KV, Wardha- Durg # 2, main Bay, 721 at Wardha	17/Aug/17	9:00	17/Aug/17	18:00	Daily	For sampling of CT	WRTS-I	WRTS-I	R		Bay
546	400	400KV S.S.P.-Rajgarh(PGCIL) -I	17/Aug/17	7:00	17/Aug/17	19:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
547	400	400KV Seoni(PGCIL)-Sarni	17/Aug/17	9:00	17/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
548	220	220KV Seoni (PGCIL) --Seoni -I	17/Aug/17	10:00	17/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
549	220	220KV Malanpur-Auriya	17/Aug/17	9:00	17/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
550	765	SWITCHABLE LR_765KV_AURANGABAD 2_SOLAPUR	17/Aug/17	9:00	17/Aug/17	18:00	DAILY	AMP WORKS AND COMMISSIONING OF SPARE SELECTION SCHEME	WR-1	WR-1			
551	400	Vindhychal - Satna Ckt.1&2	17/Aug/17	7:00	18/Aug/17	20:00	Continuous	For strining LOOP IN portion of Vchal-Jabalpur Ckt. 3&4 line at Rewa	WRTS-II	POWERGRID	C		
552	400	400 Bhachau Ranchodpura 2	18/Aug/17	8:00	18/Aug/17	18:00	Daily	RTV coating of Line Main bay & Tie Bay Isolators, CB & CT.	POWERGRID	WR-II	C		
553	400	Girawali-Lonikand CKT-I line	18/Aug/17	10:00	18/Aug/17	18:00	Daily	Hardware tightening and fixing work at loc no- 24,25,33,56,57	MSETCL	MSETCL			
554	400	400 WARDHA-AKOLA I	18/Aug/17	9:00	18/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C		Line
555	765	718,Gwalior-3 main bay at Bina	18/Aug/17	9:30	18/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
556	400	Nagda-Dehgam Ckt-II at Nagda	18/Aug/17	10:00	18/Aug/17	18:00	Daily	Retrofitting & testing of relay,AMP Work	POWERGRID	WR-II	C		
557	765	765KV Jabalpur-Dharamjygarh#1 Line along with Reactor at Pooling station, Jabalpur	18/Aug/17	10:00	18/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
558	220	Kakrapar- Vav-I	18/Aug/17	10:00	18/Aug/17	17:00	Daily	Balance Insulator replacement work	POWERGRID	WR-II	R		
559	765	765 KV Satna Sasan #2 Line at Satna SS	18/Aug/17	9:00	18/Aug/17	18:00	Daily	For making single conductor to twin conductor for neutral formation.	POWERGRID	WR-II	R		
560	400	400 Main Bus - 2 Soja	18/Aug/17	8:00	18/Aug/17	18:00	Daily	PMM Work	GETCO	GETCO			
561	400	400 Bus coupler Soja	18/Aug/17	8:00	18/Aug/17	18:00	Daily	PMM Work	GETCO	GETCO			
562	400	404 Bay (Main Bay of Aurangabad Ckt- 1) at 400 Akola	18/Aug/17	10:00	18/Aug/17	17:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL			
563	400	KORADI 2-IEPL	18/Aug/17	8:00	18/Aug/17	17:00	Daily	During the proposed outage following works will be carried out :- Line signature test, broken disc replacement work,tightning and fixing of jumper nutbolts & hardwares on line and earthwire	MSETCL	MSETCL			
564	400	400 Bus#2 at Bilaspur PS	18/Aug/17	9:00	18/Aug/17	18:00	Daily	AMP works	WRTS-I	WRTS-I	R		Bus
565	400	TIE BAY (402) OF MAPUSA-2 & KUDGI-1 AT KOLHAPUR-GIS	18/Aug/17	10:00	18/Aug/17	18:00	Daily	For bay AMP works.	WRTS-I	WRTS-I	R		BAY
566	400	400 ICT #01 MAIN BAY(421) AT DHARAMJAYGARH(KORBA) SS	18/Aug/17	9:00	18/Aug/17	18:00	Daily	AMP WORKS OF BAY	WRTS-I	WRTS-I	R		BAY
567	400	Main bay (211) of Chakan Line # 2 at Talegaon.	18/Aug/17	9:00	18/Aug/17	18:00	Daily	For AMP works	WRTS-I	WRTS-I	R		Bay
568	400	ICT 2 Main Bay(41652) at Raipur SS	18/Aug/17	9:30	18/Aug/17	17:30	Daily	AMP work at Raipur	WRTS-I	WRTS-I	R		Bay
569	400	SATPURA_MAIN_BAY_413 at Seoni	18/Aug/17	9:30	18/Aug/17	18:00	Daily	For AMP testing work	WRTS-I	WRTS-I	R		Bay
570	220	SOLAPUR_220 BUS#1	18/Aug/17	9:00	18/Aug/17	18:00	DAILY	AMP WORKS	WRTS-1	WRTS-1	R		BUS
571	765	Tie bay 723 of Aurangabad # 4 - Durg #1,at Wardha	18/Aug/17	9:00	18/Aug/17	18:00	Daily	For sampling of CT	WRTS-I	WRTS-I	R		Bay
572	400	Tie Bay 428 of ICT-4 & ICT5 400 side at Champa PS	18/Aug/17	9:00	19/Aug/17	17:30	Daily	AMP/Warranty Tests	WRTS-I	WRTS-I	R		BAY
573	400	400KV S.S.P.-Rajgarh(PGCIL)-II	18/Aug/17	7:00	18/Aug/17	19:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
574	400	400KV SSTPS- Pithampur- I	18/Aug/17	9:00	18/Aug/17	16:00	daily	FOR LINE / BAY MAINTENANCE WORK	MPPTCL	MPPTCL	R		
575	220	220KV Seoni (PGCIL) --Seoni -II	18/Aug/17	10:00	18/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
576	220	220KV Damoh-Tikamgarh (PGCIL)	18/Aug/17	8:00	18/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
577	220	220KV Mahegaon-Auriya	18/Aug/17	9:00	18/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
578	400	BUS I at Vchal PS	19/Aug/17	9:00	19/Aug/17	18:00	Daily	Bus extension work for future bay	POWERGRID	WR-II	C		

579	400	Mundra - Limbdi, Mundra-Mansar	19/Aug/17	7:00	27/Aug/17	18:00	Continuous	For de-stringing & dismantle of existing tower. Taping Tower erection at 1/0 & 32/0 and Stringing of new lines from 1/0 and 32/0 and to commission as 400kV Mundra-Bachacu Ckt. 1&2 and Bachau - Limibi Ckt.1&2 lines	WRTS-II	POWERGRID	C		Subject to CGPL generation & CGPL Unit outage condition. CGPL generation shall be restricted to 3000 MW & HVDC Powerflow shall be kept more than 2000 MW. No other outages (EHV lines connected to APL & CGPL) shall be permitted.
580	400	400 BUS-1 at BVT	19/Aug/17	9:00	19/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	BUS	
581	400	400 WARDHA-AKOLA II	19/Aug/17	9:00	19/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
582	400	409,Shujalpur-1 mai bay at Bina	19/Aug/17	9:30	19/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
583	400	Nagda-Shujalpur Ckt-I at Nagda	19/Aug/17	10:00	19/Aug/17	18:00	Daily	Retrofitting & testing of relay, AMP Work	POWERGRID	WR-II	C		
584	765	765KV BUS#1 at Indore	19/Aug/17	10:00	19/Aug/17	18:00	Daily	BUS AMP	POWERGRID	WR-II	R		
585	765	765KV Jabalpur-Dharamjaygarh#2 Line along with Reactor at Pooling station, Jabalpur	19/Aug/17	10:00	19/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
586	220	Kakrapar- Vav-II	19/Aug/17	10:00	19/Aug/17	17:00	Daily	Balance Insulator replacement work	POWERGRID	WR-II	R		
587	765	765 KV Satna Bina #1 Line at Satna SS	19/Aug/17	9:00	19/Aug/17	18:00	Daily	For making single conductor to twin conductor for neutral formation.	POWERGRID	WR-II	R		
588	400	400 Boisar-Padghe	19/Aug/17	9:00	20/Aug/17	13:00	Continuous	Online Main-I relay replacement at Boisar	POWER GRID	WR-II	R		
589	400	400/132kV 200 MVA ICT I @ 400 R.S. Khadka	19/Aug/17	8:30	20/Aug/17	17:30	Daily	C & Tan Delta ,SFRA test ,Bay Routine Maintenance, retro fitting of RTCC panel.	MSETCL	MSETCL			
590	400/220	400/220 501MVA, ICT 3 @ Babhaleshwar	19/Aug/17	9:00	19/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL	400/220 315MVA ICT-I, 315MVA ICT-II & 500MVA ICT-IV will be in service		
591	765	765KV Bus_2 at Aurangabad	19/Aug/17	8:00	19/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bus	WR-SR TTC will be reduced by 450MW
592	765	Tie bay 814 of Kotra # 2 & Wardha # 1 at Durg PS	19/Aug/17	9:00	19/Aug/17	18:00	Daily	AMP of Bay	WRTS-I	WRTS-I	R	Bay	
593	400	400 ICT #02 MAIN BAY(424) AT DHARAMJAYGARH(KORBA) SS	19/Aug/17	9:00	19/Aug/17	18:00	Daily	AMP WORKS OF BAY	WRTS-I	WRTS-I	R	BAY	
594	765	SOLAPUR_TIE BAY 717_765KV RAICHUR#1 & 765KV BUS REACTOR	19/Aug/17	9:00	19/Aug/17	18:00	DAILY	AMP WORKS	WRTS-1	WRTS-1	R	BAY	
595	765	765 KV, Wardha- Durg #1, Main bay 724 at Wardha	19/Aug/17	9:00	19/Aug/17	18:00	Daily	For sampling of CT	WRTS-I	WRTS-I	R	Bay	
596	400	400KV SSTPS- Pithampur- II	19/Aug/17	9:00	19/Aug/17	16:00	daily	FOR LINE / BAY MAINTENANCE WORK	MPPTCL	MPPTCL	R		
597	400	400 KV Kalwa-Padgha Ckt-2	19/Aug/17	8:00	19/Aug/17	17:00	Daily	Faulty insulator replacement	MSETCL	MSETCL			
598	400	400 Bus-2 at BVT	20/Aug/17	9:00	20/Aug/17	18:00	Daily	AMP	WRTS-I	WRTS-I	R	BUS	
599	400	400 WARDHA-AKOLA I	20/Aug/17	9:00	20/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
600	400	125MVAR Bus Reactor at Bhachau	20/Aug/17	8:00	20/Aug/17	18:00	Daily	RTV coating of Reactor Main bay & Tie Bay isolators, CB.	POWERGRID	WR-II	C		
601	765	765kV Satna Bina 2 line	20/Aug/17	9:30	20/Aug/17	13:00	Daily	Erection of circuit breaker & BPI for implementation of NGR bypass scheme.	POWERGRID	WR-II	C		
602	765	765KV Jabalpur-Dharamjaygarh#3 Line along with Reactor at Pooling station, Jabalpur	20/Aug/17	10:00	20/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
603	765	765 KV Satna Bina #2 Line at Satna SS	20/Aug/17	9:00	20/Aug/17	18:00	Daily	For making single conductor to twin conductor for neutral formation.	POWERGRID	WR-II	R		
604	220	Kawas -Navsari 1&2	20/Aug/17	9:00	25/Aug/17	18:00	Continuous	Shifting of 220 D/C Kawas-Navsari line between loc.no. 96-98 to facilitate clearance for DFCCI Railway line corrioder	POWERGRID	WR-II	C		

605	400	Navsari - Magarwada Ckt.2	20/Aug/17	8:00	22/Aug/17	18:00	Daily	Replacement of all porcelain disc insulator strings with CLR Polymer insulators in complete line to avoid tripping due to heavy pollution. A/R of Ckt.1 to be kept in non auto mode during outage period.	POWERGRID	WR-II	C		
606	400	J P NIGRIE-SATNA-1	20/Aug/17	8AM	20/Aug/17	6PM	Daily	Fixing of missing Arcing Horns,Twin Spacers & Rigid Spacers	JP NIGRIE	JP NIGRIE			
607	400	420 and 421 -Bay (Main & Tie bay of Lonikand-II-Lonikand I Interconnector Ckt I) at Lonikand-II Substation	20/Aug/17	9:00	20/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
608	400	Bus Coupler @ BBLR	20/Aug/17	9:00	20/Aug/17	17:00	Daily	Routine Maintenance & Servicing and allignment of PG isolators work	MSETCL	MSETCL	Bus will be seperated		
609	400	400 Khandawa Dhule Ckt#1 & AR in Non Auto Mode for other ckt	20/Aug/17	9:00	21/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety.	WRTS-II	WRTS-I	C	Line	
610	400	400KV Pithampur-Indore (PGCIL Hathuniya) -I	20/Aug/17	9:00	20/Aug/17	16:00	daily	FOR MAINTENANCE AND TESTING WORK	MPPTCL	MPPTCL	R		
611	400	400 WARDHA-AKOLA II	21/Aug/17	9:00	21/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
612	400	ICT 1 at Bhachau	21/Aug/17	8:00	21/Aug/17	18:00	Daily	RTV coating of ICT 1 Main bay & Tie Bay isolators, CB.	POWERGRID	WR-II	C		
613	220	220 main bus-1 at Bina	21/Aug/17	9:30	21/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
614	400	Shujalpur-Bina Ckt-II Tie Bay (405) at Shujalpur	21/Aug/17	10:00	21/Aug/17	18:00	Daily	AMP works.	POWERGRID	WR-II	C		
615	400	404 bay (400 B/R-1 Main bay) at Gwalior	21/Aug/17	10:00	21/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
616	765	BAY 705(TIE BAY FOR BINA LINE) at Indore	21/Aug/17	10:00	22/Aug/17	18:00	Daily	BAY EQUIPMENT AMP	POWERGRID	WR-II	R		
617	765	765KV Jabalpur-Dharamjaygarh#4 Line along with Reactor at Pooling station, Jabalpur	21/Aug/17	10:00	21/Aug/17	18:00	Daily	Erection of Circuit Breaker & BPI for implementation of NGR Bypass Scheme	POWERGRID	WR-II	C		
618	765	765 KV BR #1 at Satna SS	21/Aug/17	9:00	21/Aug/17	18:00	Daily	For making single conductor to twin conductor for neutral formation.	POWERGRID	WR-II	R		
619	400	500 MVA,400 ICT#1 at Vadodara GIS	21/Aug/17	10:00	21/Aug/17	17:00	Daily	CSD commissioning works	POWERGRID	WR-II	C		
620	220	220 Vapi-Bhilad-2	21/Aug/17	10:00	21/Aug/17	16:00	Daily	Main-1 relay replacement work	GETCO	WR-II	C		
621	400	Mundra Jetpur-1 Line Reactor at Mundra	21/Aug/17	8:00	22/Aug/17	20:00	Daily	Reactor protection relay testing	CGPL	CGPL			If voltage permits
622	400	400/220/33 KV 500 MVA ICT - 2 Soja	21/Aug/17	8:00	25/Aug/17	18:00	Continuous	For NIFPS connection system to main tank of ICT	GETCO	GETCO			
623	400	400/220/33 KV 167 MVA Spare ICT - 2 Soja	21/Aug/17	8:00	25/Aug/17	18:00	Continuous	For NIFPS connection system to main tank of ICT	GETCO	GETCO			
624	400	400/220 500 MVA ICT - 1 Asoj	21/Aug/17	8:00	21/Aug/17	18:00	Daily	Condition monitoring	GETCO	GETCO			
625	400	400/220 315 MVA ICT - 4 Vadavi	21/Aug/17	0:00	21/Aug/17	0:00	Daily	TBC WIRING WORK(LV)	GETCO	GETCO			
626	220	220 Navsari - Dastan line - 1	21/Aug/17	0:00	21/Aug/17	0:00	Daily	For maint. Work.	GETCO	GETCO			
627	400	400 Hadala - Amreli Line	21/Aug/17	0:00	21/Aug/17	0:00	Daily	For Bay maint. work	GETCO	GETCO			
628	220	220 Ranasan - Dehgam Line - 1	21/Aug/17	0:00	23/Aug/17	0:00	Continuous	For Breaker pnumatic drive O/H work	GETCO	GETCO			
629	400	400 Kasor - Rajghad Line - 1	21/Aug/17	0:00	21/Aug/17	0:00	Daily	TBC logic checking and relay testing work.	GETCO	GETCO			
630	400	400 Deepnagar-Waluj Ckt @ 400 Deepnagar	21/Aug/17	8:30	21/Aug/17	17:30	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
631	765	765 kV Tiroda Koradi Line 1 reactor at APML Tiroda	21/Aug/17	9:00	21/Aug/17	18:00	Daily	LR 1 relay testing & bay equipment maintenance	MEGPTCL	MEGPTCL	Switchable reactor		
632	400	Babhaleshwar-Ektuni-Ckt-2 @BBLR	21/Aug/17	9:00	21/Aug/17	17:00	Daily	Routine Maintenance & Servicing and allignment of PG isolators work	MSETCL	MSETCL	400 Babhaleshwar-Ektuni-Ckt-1 will be in service		
633	400	Talandge - Karad 2 @ Talandge	21/Aug/17	9:00	21/Aug/17	18:00	Daily	Quarterly Maint.Work	MSETCL	MSETCL			
634	765	Dhule Main bay-704 at Aurangabad	21/Aug/17	9:00	21/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bay	
635	765	765 kV Bus#1 at Bilaspur PS	21/Aug/17	9:00	21/Aug/17	18:00	Daily	AMP works	WRTS-I	WRTS-I	R	Bus	
636	400	BUS-1A at Champa PS	21/Aug/17	9:00	21/Aug/17	17:30	Daily	Isolator Allignment work	WRTS-I	WRTS-I	R	BUS	ATC/TTC Revision may to be suggested by NLDC
637	765	SWITCHABLE LR_765KV_WARDHA 2_DURG PS	21/Aug/17	9:00	21/Aug/17	18:00	Daily	AMP of L/R & bay	WRTS-I	WRTS-I	R	LR	
638	765	ICT2_765/400_KOTRA PS	21/Aug/17	9:00	21/Aug/17	18:00	Daily	AMP 2017 - 2018	WRTS-I	WRTS-I	R	ICT	
639	400	400 KORBA-BHILAI I	21/Aug/17	9:30	21/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R	LINE	
640	400	BUS REACTOR_400_125MVAR_SEONI	21/Aug/17	9:30	21/Aug/17	18:00	Daily	For AMP testing work	WRTS-I	WRTS-I	R	REACTOR	
641	765	SWITCHABLE LR_765KV_RAICHUR 2_SOLAPUR	21/Aug/17	9:00	21/Aug/17	18:00	DAILY	AMP WORKS AND COMMISSIONING OF SPARE SELECTION SCHEME AND EMULSIFIRE PAINTING	WRTS-1	WRTS-1	R	LR	
642	400	400 RANCHI-SIPAT I	21/Aug/17	8:00	26/Aug/17	18:00	Continuous	For Rectification of Bend C-leg at Tower No 664, on permanent basis	WRTS-I	WRTS-I	R	LINE	ERLDC and NLDC consent required.
643	400	400 RANCHI-SIPAT II	21/Aug/17	8:00	26/Aug/17	18:00	Continuous	For Rectification of Bend C-leg at Tower No 664, on permanent basis	WRTS-I	WRTS-I	R	LINE	ERLDC and NLDC consent required.

644	400	400KV Damoh-Katni	21/Aug/17	8:00	21/Aug/17	18:00	daily	FOR LINE / BAY MAINTENANCE WORK	MPPTCL	MPPTCL	R		
645	400	400KV Main CB of Itarsi -II at 400 kv S/S Bhopal	21/Aug/17	9:00	22/Aug/17	17:00	Continuous	FOR 3 NO MAIN CT REPLACEMENT WORK	MPPTCL	MPPTCL	R		
646	220	ESIL Bay-12 (400/220 KV EPTCL ICT-2 LV Side) ICT out	21/Aug/17	8:00	22/Aug/17	18:00	Continuous	Annual maintenance and protection checking.	ESIL				
647	765	765 kV Aurangabad-III Akola-II Line-1 at MSETCL Ektuni SS	22/Aug/17	10:00	22/Aug/17	13:00	Daily	For changeover of Rph- Line reactor against Spare reactor of 706 bay of 765 kV Aurangabad-III Akola-II line-1 at MSETCL 765/400 Aurangabad-III Ektuni SS	MSETCL	MEGPTCL	765KV Aurangabad-III Akola-II line-1 shutdown required for taking in service non switchable reactor 706LR-Rph at MSETCL 765/400 Aurangabad-III (Ektuni) SS.		
648	400	400 WARDHA-AKOLA I	22/Aug/17	9:00	22/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
649	400	Shujalpur-Bina Ckt-II Main Bay (406) at Shujalpur	22/Aug/17	10:00	22/Aug/17	18:00	Daily	AMP works.	POWERGRID	WR-II	C		
650	220	220 Transfer Bus at Gwalior	22/Aug/17	10:00	22/Aug/17	17:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
651	765	400 Jabalpur-Anuppur #2 Main bay (419 bay) at Pooling station, Jabalpur	22/Aug/17	10:00	22/Aug/17	18:00	Daily	For replacement of damaged Insulator stack from R-Ph of 419-52 .	POWERGRID	WR-II	R		
652	220	Kakrapar-Haldarwa II	22/Aug/17	9:00	22/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
653	765	765 KV 702 BAY (ICT # 1 TIE BAY) at Satna	22/Aug/17	9:00	23/Aug/17	18:00	Daily	For AMP work	POWERGRID	WR-II	R		
654	400	500 MVA, 400 ICT#2 at Vadodara GIS	22/Aug/17	10:00	22/Aug/17	17:00	Daily	CSD commissioning works	POWERGRID	WR-II	C		
655	400	400 Tarapur-Boisar-I	22/Aug/17	9:00	23/Aug/17	13:00	Continuous	Online Main-I relay replacement at Boisar	POWER GRID	WR-II	R		
656	400	400/220 500MVA ICT - 2 Asoj	22/Aug/17	8:00	22/Aug/17	18:00	Daily	Condition monitoring	GETCO	GETCO			
657	220	220 Navsari - Dastan line - 2	22/Aug/17	0:00	22/Aug/17	0:00	Daily	For maint. Work.	GETCO	GETCO			
658	400	400 Kansari - Vadavi Line - 1	22/Aug/17	8:00	22/Aug/17	18:00	Daily	Bay maintenance work	WRTGPL	GETCO			
659	400	400 Hadala - Choraniya Line	22/Aug/17	8:00	22/Aug/17	18:00	Daily	Bay maintenance work	GETCO	GETCO			
660	400	400 Deepnagar-Thaptitanda Ckt @ 400 Deepnagar	22/Aug/17	8:30	22/Aug/17	17:30	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
661	400	400 PGCIL (BAY NO.- 420), TIE BAY - 421 & FUTURE - II (BAY NO - 422) at 400 S/s. Warora.	22/Aug/17	8:00	22/Aug/17	17:00	Daily	Rotuine bay maintenance work of 400 PGCIL Ckt(bay 420),Tie bay 421& Future ckt No. II(bay422) at 400 S.stn. Warora.	MSETCL	MSETCL			
662	400	Korba-Raipur Line-3 with Bus-3 SD at Korba NTPC	22/Aug/17	8:30	22/Aug/17	17:30	Continuous	For attending Bus-3 isolator defect	NTPC	NTPC			
663	765	Tie Bay 711 of 765kV Wardha-2 & future at Aurangabad	22/Aug/17	9:00	22/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bay	
664	400	400 BALCO #02 MAIN BAY(418) AT DHARAMJAYGARH(KORBA) SS	22/Aug/17	9:00	22/Aug/17	18:00	Daily	AMP WORKS OF BAY	BALCO	WRTS-I	R	BAY	
665	765	MAIN BAY_765kV TAMNAR PS-KOTRA PS I_KOTRA PS	22/Aug/17	9:00	22/Aug/17	18:00	Daily	AMP 2017 - 2018	WRTS-I	WRTS-I	R	BAY	
666	400	SOLAPUR_TIE BAY 414_400 ALKUJ & 400 PARLI#1	22/Aug/17	9:00	22/Aug/17	18:00	DAILY	AMP WORKS AND COMMISSIONING OF SPARE SELECTION SCHEME	WRTS-1	WRTS-1	R	BAY	
667	765	ICT1_765/400_WARDHA	22/Aug/17	9:00	22/Aug/17	18:00	Daily	Online trails of RTCC	WRTS-I	WRTS-I	C	ICT	
668	400	ICT-5 400 side Main Bay 429 at Champa PS	22/Aug/17	9:00	23/Aug/17	17:30	Daily	AMP/Warranty Tests	WRTS-I	WRTS-I	R	BAY	
669	765	765kV Wardha-4 Main bay at Durg PS	22/Aug/17	9:00	23/Aug/17	18:00	Daily	Erection of tower for under construction bay for 765kV Adani at Durg PS	WRTS-I	WRTS-I	C	Bay	
670	400	400 Khandawa Dhule Ckt#2	22/Aug/17	9:00	23/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-II	WRTS-I	C	Line	
671	400	400 KV S/S NAGDA 400KV 125 MVAR BUS REACTOR - II	22/Aug/17	8:00	23/Aug/17	18:00	Continuous	For main CT replacement work	MPPTCL	MPPTCL	R		
672	400	400KV Nagda-Rajgarh-I	22/Aug/17	8:00	22/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
673	400	400KV Chhegoan-SSTPS(MALWA)	22/Aug/17	9:00	22/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
674	220	220KV Panduran-Kalmeshwar	22/Aug/17	9:00	22/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
675	400	Vindhyachal-Satna Ckt#4 Along with Bus-5 at Vindhyachal NTPC	23/Aug/17	9:00	25/Aug/17	18:00	Continuous	Attending Hotspot and Bay Maintenance (Bus shutdown required for attending the Hot spot)	NTPC	NTPC			

676	400	Shujalpur- Nagda ckt-I Main Bay (412) at Shujalpur	23/Aug/17	10:00	23/Aug/17	18:00	Daily	AMP works.	POWERGRID	WR-II	C		
677	765	701 Bay (765kV Jaipur#2 Line Main bay) at Gwalior	23/Aug/17	10:00	24/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
678	400	INDORE-INDORE CKT1	23/Aug/17	10:00	23/Aug/17	18:00	Daily	For checking auto reclosing scheme in TBC bay at MPPTCL, Indore	POWERGRID	WR-II	R		
679	220	220 Vapi-Bhilad-3	23/Aug/17	10:00	23/Aug/17	16:00	Daily	Main-1 relay replacement work	GETCO	WR-II	C		
680	400	400 Tarapur-Boisar-I	23/Aug/17	14:00	23/Aug/17	17:00	Daily	For tripping and A/R Trials of Main-I relay	POWER GRID	WR-II	R		
681	400	Navsari - Magarwada Ckt.1	23/Aug/17	8:00	24/Aug/17	18:00	Daily	Replacement of all porcelain disc insulator strings with CLR Polymer insulators in complete line to avoid tripping due to heavy pollution. A/R of Ckt.1 to be kept in non auto mode during outage period.	POWERGRID	WR-II	C		
682	400	Mundra Mansar Line Reactor at Mundra	23/Aug/17	8:00	24/Aug/17	20:00	Daily	Reactor protection relay testing	CGPL	CGPL			
683	400	400/220 315MVA ICT - 3 Asoj	23/Aug/17	8:00	23/Aug/17	18:00	Daily	Condition monitoring	GETCO	GETCO			
684	220	220 Ranasan - Dehgam Line - 1	23/Aug/17	10:00	23/Aug/17	18:00	Daily	For Tan delta work	GETCO	GETCO			
685	220	220 Navsari - Kawas line - 1	23/Aug/17	0:00	23/Aug/17	0:00	Daily	For maint. Work.	PGCIL	GETCO			
686	400	400 Kansari - Vadavi Line - 2	23/Aug/17	8:00	23/Aug/17	18:00	Daily	Bay Maint (PGCIL)	WRTGPL	GETCO			
687	400	400/220/33 KV 315 MVA ICT - 1 Hadala	23/Aug/17	8:00	23/Aug/17	18:00	Daily	For Bay maint. work	GETCO	GETCO			
688	400	400 Waluj-Thaptitanda @ 400 Waluj Substation	23/Aug/17	8:00	23/Aug/17	17:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
689	400	403 Bay (Tie Bay of ICT-1 & Aurangabad Ckt- 1) at 400 Akola	23/Aug/17	10:00	23/Aug/17	17:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL			
690	400	400 TBC @ 400 R.S. Khadka	23/Aug/17	8:30	23/Aug/17	17:30	Daily	C & Tan Delta ,Bay Routine Maintenance,PG Isolator work	MSETCL	MSETCL			
691	400	Chandrapur II-Switching-Ckt-2(Bay 401 & 402) @ 400 Chandrapur- II S/S	23/Aug/17	9:00	23/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
692	400	400 Station Trans.-2 & Koradi-3 Ckt.-1 Tie Bay 408 (full DIA No.03) @ 400 Koradi-2 Substation	23/Aug/17	9:00	23/Aug/17	10:00	Daily	Dew Point Measurement of CB 408-Q52	MSETCL	MSETCL		Station Transformer -2 & Koradi-3 Ckt.1 will be in Service through Main Bay 407 & 409 respectively.	
693	400	400 Station Trans.-3 & Koradi-3 Ckt.-2 Tie Bay 405 (full DIA No.02) @ 400 Koradi-2 Substation	23/Aug/17	10:00	23/Aug/17	11:00	Daily	Dew Point Measurement of CB 405-Q53	MSETCL	MSETCL		Station Transformer -3 & Koradi-3 Ckt.2 will be in Service through Main Bay 404 & 406 respectively.	
694	400	400 MAIN BUS-I @ 400 Koradi-2 Substation	23/Aug/17	11:00	23/Aug/17	18:00	Daily	During the proposed outage dew point measurement of 10nos. of 420KV SF6 CB connected to bus-1 side, will be carried out.	MSETCL	MSETCL		Bus-II Will Be in Service	
695	400	400Girwali-Solapur bay	23/Aug/17	9:00	23/Aug/17	18:00	Daily	Bay and reactor maintenance	MSETCL	MSETCL			
696	400	400 Station Transformer 1 at APML Tiroda	23/Aug/17	9:00	24/Aug/17	18:00	Continuous	Staion Transformer & its Bay Equipment Testing & Maintenance	APML	APML			
697	400	Talandge- Kolhapur PG 1 @ Talandge	23/Aug/17	9:00	23/Aug/17	18:00	Daily	Quarterly Maint.Work	PGCIL	MSETCL			
698	400	ICT-1 Main bay 401 at Aurangabad	23/Aug/17	9:00	23/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bay	
699	765	MAIN BAY_765kV TAMNAR PS-KOTRA PS I_KOTRA PS	23/Aug/17	9:00	23/Aug/17	18:00	Daily	AMP 2017 - 2018	WRTS-I	WRTS-I	R	BAY	
700	400	Bus 2 at Raipur SS	23/Aug/17	9:30	23/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R	BUS	
701	400	400_BUS-1 at Seoni	23/Aug/17	9:30	23/Aug/17	18:00	Daily	For AMP testing work	WRTS-I	WRTS-I	R	BUS	
702	400	SOLAPUR_MAIN BAY 424_ 400 NTPC#2	23/Aug/17	9:00	23/Aug/17	18:00	DAILY	AMP WORKS	WRTS-1	WRTS-1	R	BAY	
703	400	400 AURANGABAD (PG) -AKOLA I	23/Aug/17	9:00	23/Aug/17	18:00	Daily	Line CT Tan delta measurement	WRTS-I	WRTS-I	R	Line	
704	765	ICT2_765/400_WARDHA	23/Aug/17	9:00	23/Aug/17	18:00	Daily	Online trails of RTCC	WRTS-I	WRTS-I	C	ICT	
705	400	400KV Nagda -Rajgarh-II	23/Aug/17	8:00	23/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
706	400	400KV Julwania-SSTPS(MALWA)	23/Aug/17	9:00	23/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
707	220	ESIL Bay-11 (400/220 KV EPTCL ICT-1 LV Side) ICT out	23/Aug/17	8:00	24/Aug/17	18:00	Continuous	Annual maintenance and protection checking.	ESIL				
708	400	63MVAr Bus Reactor at Bhachau	24/Aug/17	8:00	24/Aug/17	18:00	Daily	RTV coating of Bus Reactor Main bay & Tie Bay isolators, CB & CT.	POWERGRID	WR-II	C		
709	220	220 main bus-2 at Bina	24/Aug/17	9:30	24/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
710	400	Shujalpur- Nagda Ckt-I Tie Bay (411) at Shujalpur	24/Aug/17	10:00	24/Aug/17	18:00	Daily	AMP works.	POWERGRID	WR-II	C		
711	400	INDORE-INDORE CKT2	24/Aug/17	10:00	24/Aug/17	18:00	Daily	For checking auto reclosing scheme in TBC bay at MPPTCL, Indore	POWERGRID	WR-II	R		

712	220	Kakrapar-Haldarwa I	24/Aug/17	9:00	24/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R			
713	765	765 KV 709 (BINA # 2 MAIN) BAY at Satna	24/Aug/17	9:00	25/Aug/17	18:00	Daily	For AMP work	POWERGRID	WR-II	R			
714	400	Seoni-Sarni	24/Aug/17	8:00	25/Aug/17	18:00	Continuous	Stringing of 765KV D/C Gadawara - Warora line	MPPTCL	WR-II	C			
715	400	ACBIL-PGCIL (Bharari) 400 Ckt# 1	24/Aug/17	8:00	31/Aug/17	18:00	Daily	AMP	ACBIL	ACBIL				ACBIL/MCCPL/SCPL not to sell power in Power Exchange
716	400	400/220 500MVA ICT - 4 Asoj	24/Aug/17	8:00	24/Aug/17	18:00	Daily	Condition monitoring	GETCO	GETCO				
717	400	400/220 315 MVA ICT - 3 Vadavi	24/Aug/17	0:00	24/Aug/17	0:00	Daily	TBC WIRING WORK(HV)	GETCO	GETCO				
718	220	220 Navsari - Kawas Line- 2	24/Aug/17	0:00	24/Aug/17	0:00	Daily	For maint. Work.	PGCIL	GETCO				
719	400	400 Kansari - Soja line	24/Aug/17	0:00	24/Aug/17	0:00	Daily	Bay Maint (PGCIL)	GETCO	GETCO				
720	220	220 Ranasan - Dehgam Line - 2	24/Aug/17	0:00	26/Aug/17	0:00	Continuous	For Breaker pneumatic drive O/H work	GETCO	GETCO				
721	400/220	400/220 501 MVA, ICT 1 @ Jejuri	24/Aug/17	9:00	24/Aug/17	18:00	Daily	Maintenance work	MSETCL	MSETCL	Load will be on 400/220 501 MVA, ICT 2			
722	400	400 Koradi- Bhusawal Line	24/Aug/17	12:00	26/Aug/17	18:00	Daily	PID testing of insulator strings by Hot line Uint Akola. A/R shall be kept in non auto mode.	MSETCL	MSETCL	400 Akola- Bhusawal, 400 Akola- Nandgaonpeth & 400 Koradi-Nandgaonpeth are in service.			
723	400	400 MAIN BUS-II@ 400 Koradi-2 Substation	24/Aug/17	10:00	24/Aug/17	18:00	Daily	During the proposed outage dew point measurement of 10 nos. of 420KV SF6 CB connected to bus-2 side, will be carried out.	MSETCL	MSETCL	Bus-I Will Be in Service			
724	400	Girawali-Lonikand CKT-II line	24/Aug/17	10:00	24/Aug/17	18:00	Daily	Hardware tightening and fixing work at loc no-230,231,232	MSETCL	Departmental				
725	400	410-Bay (Main Bay of 400 Girwali-1 Bay) at Kumbhargaoon Substation	24/Aug/17	11:00	24/Aug/17	16:00	Daily	Maintenance work	MSETCL	MSETCL				
726	400	80MVAR Reactor 1 @ BBLR	24/Aug/17	9:00	24/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL	80MVAR Reactor II will be in service			
727	400	Talandge- Kolhapur PG 2 @ Talandge	24/Aug/17	9:00	24/Aug/17	18:00	Daily	Quarterly Maint.Work	PGCIL	MSETCL				
728	400	Korba Bhatapara Line	24/Aug/17	8:30	26/Aug/17	17:30	Continuous	For Main-2 Relay Replacement	NTPC					
729	765	SWITCHABLE LR_765kv_CHAMPA 2_DURG PS	24/Aug/17	9:00	24/Aug/17	18:00	Daily	AMP of L/R & bay	WRTS-I	WRTS-I	R		LR	
730	765	NON-SWITCHABLE LR_765kv_RANCHI 2_D'JAIGARH	24/Aug/17	9:00	24/Aug/17	18:00	Daily	Attending oil leakages & rotation of spare reactor	WRTS-I	WRTS-I	R		LR	
731	400	ICT1_400/220_SOLAPUR	24/Aug/17	9:00	24/Aug/17	18:00	DAILY	EMULSIFIRE PAINTING WORKS	WRTS-1	WRTS-1	R		ICT	
732	400	400 AURANGABAD (PG) -AKOLA II	24/Aug/17	9:00	24/Aug/17	18:00	Daily	Line CT Tan delta measurement	WRTS-I	WRTS-I	R		Line	
733	765	ICT3_765/400_WARDHA	24/Aug/17	9:00	24/Aug/17	18:00	Daily	Online trails of RTCC	WRTS-I	WRTS-I	C		ICT	
734	765	SWITCHABLE LR_765KV_A'BAD 4_WARDHA	24/Aug/17	9:00	30/Aug/17	18:00	continuous	Erection of Spare reactor & Switching scheme checking. Line will be in Service without L/R.	WRTS-I	WRTS-I	R		SLR	
735	400	400 Khandawa Dhule CKt#1	24/Aug/17	9:00	25/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-II	WRTS-I	C		Line	
736	400	400KV Pithampur-Indore (PGCIL Hathuniya) -II	24/Aug/17	9:00	24/Aug/17	16:00	daily	FOR MAINTENANCE AND TESTING WORK	MPPTCL	MPPTCL	R			
737	400	400KV Main CB of Bina -II at 400 kv S/S Bhopal	24/Aug/17	9:00	25/Aug/17	17:00	Continuous	FOR 3 NO MAIN CT REPLACEMENT WORK	MPPTCL	MPPTCL	R			
738	220	220KV Damoh-Damoh (PGCIL) -I	24/Aug/17	8:00	24/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R			
739	400	Navsari - Magarwada Ckt.1&2	24/Aug/17	8:00	25/Aug/17	18:00	Daily	Replacement of all porcelain disc insulator strings with CLR Polymer insulators in complete line to avoid tripping due to heavy pollution. Outage required in both circuits to replace in Multi Circuit towers due to heavy induction.	POWERGRID	WR-II	C			
740	400	400 WARDHA-AKOLA II	25/Aug/17	9:00	25/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C		Line	
741	400	MAIN BAY (401) OF KUDGI-1 AT KOLHAPUR-GIS.	25/Aug/17	10:00	25/Aug/17	18:00	Daily	For bay AMP works.	WRTS-I	WRTS-I	R		BAY	
742	400	405,Bina-1 & 400/220 ICT tie bay at Bina	25/Aug/17	9:30	25/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R			
743	400	407 bay (400 ICT-2 Main bay) at Gwalior	25/Aug/17	10:00	25/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R			
744	220	BUS-1at Navsari	25/Aug/17	9:00	25/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R			

745	400	400 Bus Reactor at CGPL	25/Aug/17	8:00	26/Aug/17	20:00	Daily	Reactor protection relay testing	CGPL	CGPL			
746	400	Bus 3 at Raipur SS	25/Aug/17	9:30	25/Aug/17	17:30	Daily	Relay testing and AMP work at Raipur	WRTS-I	WRTS-I	R	BUS	
747	400	BUS REACTOR_400_63MVAR_SOLAPUR	25/Aug/17	9:00	25/Aug/17	18:00	DAILY	EMULSIFIRE PAINTING WORKS	WRTS-1	WRTS-1	R	BR	
748	220	220KV Annupur-Kotmikala- I	25/Aug/17	10:00	25/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
749	220	220KV Bina(PGCIL)-Shivpuri	25/Aug/17	9:00	25/Aug/17	17:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
750	400	400 WARDHA-AKOLA I	26/Aug/17	9:00	26/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
751	400	ICT 2 at Bhachau	26/Aug/17	8:00	27/Aug/17	18:00	Daily	RTV coating of ICT 2 Main bay & Tie Bay isolators, CB.	POWERGRID	WR-II	C		
752	400	404,Bina-1 main bay at Bina	26/Aug/17	9:30	26/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
753	400	400 INDORE - ASOJ#1	26/Aug/17	10:00	26/Aug/17	18:00	Daily	Retrofitting of PLCC panel	POWERGRID	WR-II	C		
754	220	BUS-2 at Navsari	26/Aug/17	9:00	26/Aug/17	18:00	Daily	AMP work	POWERGRID	WR-II	R		
755	400	Seoni - Khandwa-D/c	26/Aug/17	8:00	27/Aug/17	18:00	Continuous	Stringing of 765kV D/C Gadawara - Warora line	POWERGRID	WR-II	C		
756	400	400 Hadala - APL Line	26/Aug/17	0:00	26/Aug/17	0:00	Daily	For Bay maint. work	GETCO	GETCO			
757	400/220	400/220 315MVA, ICT 4 @ Babhaleswar	26/Aug/17	9:00	26/Aug/17	17:00	Daily	Routine Maintenance & Servicing and allignment of PG isolators work	MSETCL	MSETCL	400/220 315MVA ICT-II, 500MVA ICT-III & 500MVA ICT-IV will be in service		
758	400	400 Main Bay 403 of ICT # 1 at Durg PS	26/Aug/17	9:00	26/Aug/17	18:00	Daily	AMP of Bay	WRTS-I	WRTS-I	R	Bay	
759	765	SWITCHABLE LR_765kV_JABALPUR 2_D'JAIGARH	26/Aug/17	9:00	26/Aug/17	18:00	Daily	AMP of CB & Reactor	WRTS-I	WRTS-I	R	LR	
760		400KV I.S.P. - Indore I	26/Aug/17	09:00	26/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
761	220	Vapi - Magarwada Ckt.1&2	27/Aug/17	6:00	31/Aug/17	15:00	Continuous	Shifting of 220 Vapi- Magarwada D/C line between loc.no. 62-65 to facilitate clearance for DFCCI Railway line corrioder	POWERGRID	WR-II	C		DD consent required.
762	765	SWITCHABLE LR_765kV_JABALPUR 3_D'JAIGARH	27/Aug/17	9:00	27/Aug/17	18:00	Daily	AMP of CB	WRTS-I	WRTS-I	R	LR	
763	400	400 WARDHA-AKOLA II	27/Aug/17	9:00	27/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
764	400	403,1200kV/400 ICT main bay at Bina	27/Aug/17	9:30	27/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
765	400	J P NIGRIE-SATNA-2	27/Aug/17	8AM	27/Aug/17	6PM	Daily	Fixing of missing Arcing Horns,Twin Spacers & Rigid Spacers	JP NIGRIE	JP NIGRIE			JP Nigri not to bid on PX
766	400/220	501MVA ICT-II bay No 416 & 415(Main & Tie bay) at Lonikand-II Substation	27/Aug/17	9:00	27/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
767	400	Tranfer Bus Coupler @ BBLR	27/Aug/17	9:00	27/Aug/17	17:00	Daily	Routine Maintenance & Servicing and allignment of PG isolators work	MSETCL	MSETCL	TBC is free		
768	400	400 Bhachau Versana 2	28/Aug/17	8:00	28/Aug/17	18:00	Daily	RTV coating of Line Main bay & Tie Bay isolators, CB.	POWERGRID	WR-II	C		
769	400	400 Khandawa Dhule Ckt#2	28/Aug/17	9:00	28/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-II	WRTS-I	C	Line	
770	765	SWITCHABLE LR_765kV_JABALPUR 1_D'JAIGARH	28/Aug/17	9:00	28/Aug/17	18:00	Daily	AMP of CB	WRTS-I	WRTS-I	R	LR	
771	400	400 WARDHA-AKOLA I	28/Aug/17	9:00	28/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
772	400	400 Essar Bhachau 1 Line Reactor including Line at Bhachau	28/Aug/17	8:00	29/Aug/17	18:00	Daily	RTV coating of Essar 1 Line & Line Reactor Main bay & Tie Bay isolators, CB & CT.	POWERGRID	WR-II	C		
773	400	402,Bina-2 & 1200kV/400 ICT tie bay at Bina	28/Aug/17	9:30	28/Aug/17	18:00	Daily	For AMP works.	POWERGRID	WR-II	R		
774	765	765 KV 711 (BR # 1 TIE) BAY at Satna	28/Aug/17	9:00	29/Aug/17	18:00	Daily	For AMP work	POWERGRID	WR-II	R		
775	765	Seoni - Wardha Ckt.1	28/Aug/17	8:00	29/Aug/17	18:00	Continuous	Stringing of 765kV D/C Gadawara - Warora line	POWERGRID	WR-I	C		
776	400	400 Boisar-Padghe	28/Aug/17	14:00	28/Aug/17	17:00	Daily	For tripping and A/R Trials of Main-I relay	POWER GRID	WR-II	R		
777	400	400 Tarapur-Boisar-II	28/Aug/17	9:00	29/Aug/17	13:00	Continuous	Online Main-I relay replacement at Boisar	POWER GRID	WR-II	R		
778	400	Mundra Limbdi-1 Line Reactor at Mundra	28/Aug/17	8:00	29/Aug/17	20:00	Daily	Reactor protection relay testing	CGPL	CGPL			
779	400	400/220 315 MVA ICT - 4 Vadavi	28/Aug/17	0:00	28/Aug/17	0:00	Daily	TBC wiring work (HV)	GETCO	GETCO			
780	400	400/220 500 MVA ICT-1 Chorania	28/Aug/17	8:00	28/Aug/17	18:00	Daily	Bushing tan delta testing	GETCO	GETCO			

781	400	409 Bay (Tie Bay of Wardha Ckt-1 & Bhusawal Ckt) at 400 Akola	28/Aug/17	10:00	28/Aug/17	17:00	Daily	Routine Maintenance & testing work	MSETCL	MSETCL			
782	400	400 HVDC ckt. No.-II bay @400 S/S Chandrapur	28/Aug/17	8:00	28/Aug/17	18:00	Daily	1) Attending the hot spot on PG Isolators. 2) Routine maintenance of the bay.	MSETCL	MSETCL	---		
783	400/220	315 MVA, ICT 2 @ Talandge	28/Aug/17	9:00	28/Aug/17	18:00	Daily	Quarterly Maint.Work	MSETCL	MSETCL			
784	400	Tie bay 405 of ICT-2 & future at Aurangabad	28/Aug/17	9:00	28/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bay	
785	400	BUS REACTOR_400_80MVAR_CHAMPA	28/Aug/17	9:00	31/Aug/17	17:30	Continuous	Oil Filtration due to more water & CO2 ppm	WRTS-I	WRTS-I	R	BR	subjected to voltage condition.
786	400	400KV Tie CB of Itarsi-II & Bina -II at 400 kv S/S Bhopal	28/Aug/17	9:00	31/Aug/17	17:00	Continuous	FOR 6 NO TIE CT REPLACEMENT WORK	MPPTCL	MPPTCL	R		
787	400	400 Bhachau Versana 1	29/Aug/17	8:00	29/Aug/17	18:00	Daily	RTV coating of Line Main bay & Tie Bay Isolators, CB.	POWERGRID	WR-II	C		
788	400	400 WARDHA-AKOLA II	29/Aug/17	9:00	29/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
789	400	400 Khandawa Dhule Ckt#1	29/Aug/17	9:00	29/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-II	WRTS-I	C	Line	
790	400	408 bay (400 ICT-2 & B/R-2 Tie bay) at Gwalior	29/Aug/17	10:00	29/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
791	400	Asoj-Indore Ckt#1 at Asoj (GETCO) end	29/Aug/17	10:00	29/Aug/17	17:00	Daily	PLCC Panel ETL41 Retrofitting	POWERGRID	WR-II	R		
792	400	400 Tarapur-Boisar-II	29/Aug/17	14:00	29/Aug/17	17:00	Daily	For tripping and A/R Trials of Main-I relay	POWER GRID	WR-II	R		Maharashtra and TAPS to be informed
793	400	400 Station Transformer 3 at APML Tiroda	29/Aug/17	9:00	30/Aug/17	18:00	Continuous	Station Transformer & Bay Equipment Testing & Maintenance	APML	APML			
794	400	80MVAR Reactor 2 @ BBLR	29/Aug/17	9:00	29/Aug/17	17:00	Daily	Routine Maintenance & Servicing and alignment of PG isolators work	MSETCL	MSETCL	80MVAR Reactor I will be in service		
795	400	Korba-Vindhyachal Line-2 with Bus-4 SD	29/Aug/17	8:30	29/Aug/17	17:30	Continuous	For attending Bus-4 isolator defect	NTPC	NTPC			
796	400	Tie bay 426 of Boisar-2 & ICT-2 at Aurangabad	29/Aug/17	9:00	29/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bay	
797	220	220KV Damoh-Damoh (PGCIL) -II	29/Aug/17	8:00	29/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
798	400	Vindhyachal - Satna Ckt.1&2	29/Aug/17	7:00	30/Aug/17	20:00	Continuous	For stringing LOOP OUT portion of Vchal-Jabalpur Ckt. 3&4 line at Rewa	WRTS-II	POWERGRID	C		
799	400	400 INDORE - Asoj#2	30/Aug/17	10:00	30/Aug/17	18:00	Daily	Retrofitting of PLCC panel	POWERGRID	WR-II	C		Gujarat and MP to be informed
800	765	ICT1_765/400_SOLAPUR	30/Aug/17	9:00	30/Aug/17	18:00	DAILY	OLTC PARALLEL OPERATION COMMISSIONING WORKS	WRTS-1	WRTS-1	C	ICT	
801	765	ICT2_765/400_SOLAPUR	30/Aug/17	9:00	30/Aug/17	18:00	DAILY	OLTC PARALLEL OPERATION COMMISSIONING WORKS	WRTS-1	WRTS-1	C	ICT	
802	400	400 WARDHA-AKOLA I	30/Aug/17	9:00	30/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
803	400	400 Essar Bhachau 2 Line Reactor including Line at Bhachau	30/Aug/17	8:00	31/Aug/17	18:00	Daily	RTV coating of Essar 2 Line & Line Reactor Main bay & Tie Bay Isolators, CB & CT.	POWERGRID	WR-II	C		
804	400	409 bay (400 B/R-2 Main bay) at Gwalior	30/Aug/17	10:00	30/Aug/17	18:00	Daily	AMP WORKS	POWERGRID	WR-II	R		
805	400	BAY 420 (TIE BAY FOR INDORE -INDORE #2) at Indore	30/Aug/17	10:00	30/Aug/17	18:00	Daily	BAY EQUIPMENT AMP	POWERGRID	WR-II	R		
806	765	Seoni - Wardha Ckt.2	30/Aug/17	8:00	31/Aug/17	18:00	Continuous	Stringing of 765KV D/C Gadawara - Warora line	POWERGRID	WR-I	C		
807	400	Mundra Jetpur-2 Line Reactor at Mundra	30/Aug/17	8:00	31/Aug/17	20:00	Daily	Reactor protection relay testing	CGPL	CGPL			subjected to voltage condition.
808	400	400/220 500 MVA ICT-2 Chorania	30/Aug/17	8:00	30/Aug/17	18:00	Daily	Bay maintenance work	GETCO	GETCO			
809	400	400/220/33 kv 315 MVA ICT - 3 Hadala	30/Aug/17	8:00	30/Aug/17	18:00	Daily	For Bay maint. work	GETCO	GETCO			
810	400	400 Main Bus - I at 400 S.stn. Warora.	30/Aug/17	8:00	30/Aug/17	17:00	Daily	Rotuine bay maintenance work of Bay No. 402,405,406,411,414,417 & 420 at 400 S.stn. Warora.	MSETCL	MSETCL			
811	400	409 Main Bay only (Main Bay of Chandrapur-2-GCR ckt-2) at 400 Chandrapur-2 Substation	30/Aug/17	8:00	30/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
812	400	Boisar-2 main bay 427 at Aurangabad	30/Aug/17	9:00	30/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bay	

813	400	400 Khandawa Dhule CKt#2	30/Aug/17	9:00	31/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-II	WRTS-I	C	Line	
814	400	400KV I.S.P. - Indore II	30/Aug/17	9:00	30/Aug/17	16:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
815	220	220KV Annupur-Kotmikala -II	30/Aug/17	10:00	30/Aug/17	18:00	daily	FOR LINE MAINTENANCE WORK	MPPTCL	MPPTCL	R		
816	400	400 WARDHA-AKOLA II	31/Aug/17	9:00	31/Aug/17	18:00	Daily	Replacement of Conventional Insulators with Polymer insulators in major crossings line Power, River, N.H., S.H., Railway Crossings for public safety. AR in Non Auto Mode for other ckt will be required during above period	WRTS-I	WRTS-I	C	Line	
817	400/220	400/220 315MVA, ICT 1 @ Chakan and its bay.	31/Aug/17	9:00	31/Aug/17	18:00	Daily	Routine Maintenance & Dignostic testing work	MSETCL	MSETCL			
818	400	Boisar-1 Main bay 430 at Aurangabad	31/Aug/17	9:00	31/Aug/17	18:00	Daily	For AMP Works at Aurangabad	WRTS-I	WRTS-I	R	Bay	

जुलाई 2017 और अगस्त 2017 माह के लिये अपेक्षित मांग एवं ऊर्जा की आवश्यकता

ANTICIPATED DEMAND AND ENERGY REQUIREMENT FOR JULY 2017 AND AUGUST 2017

राज्य	State	मांग DEMAND मेगावाट (MW)		ऊर्जा की आवश्यकता ENERGY REQUIREMENT मिलियन युनिट्स (MUs)	
		जुलाई 2017 JULY 2017	अगस्त 2017 AUGUST 2017	जुलाई 2017 JULY 2017	अगस्त 2017 AUGUST 2017
1 गुजरात	GUJARAT				
सीमित	RESTRICTED	13200	13100	8000	7500
असीमित	UNRESTRICTED	13240	13140	8010	7510
2 मध्य प्रदेश	MADHYA PRADESH				
सीमित	RESTRICTED	6780	6840	4400	4520
असीमित	UNRESTRICTED	6780	6840	4400	4520
3 छत्तीसगढ़	CHHATISGARH				
सीमित	RESTRICTED	3534	3595	1986	2071
असीमित	UNRESTRICTED	3534	3595	1986	2071
4 महाराष्ट्र	MAHARASHTRA				
सीमित	RESTRICTED	20000	18500	11200	11000
असीमित	UNRESTRICTED	20050	18550	11250	11050
5 गोवा	GOA				
सीमित	RESTRICTED	575	570	335	335
असीमित	UNRESTRICTED	588	573	362	347
6 दमन दीव	DD				
सीमित	RESTRICTED	320	325	203	205
असीमित	UNRESTRICTED	332	342	206	207
7 डी एन एच	DNH				
सीमित	RESTRICTED	720	700	475	475
असीमित	UNRESTRICTED	731	731	504	507
8 पश्चिम क्षेत्र	WESTERN REGION				
सीमित	RESTRICTED	50220	50310	32600	32200
असीमित	UNRESTRICTED	50400	50500	32800	33215

माह जून 2017 की योजनाबद्ध बनाम वास्तविक उत्पादन एवं उपलब्धता

ACTUAL GENERATION & AVAILABILITY FOR JUNE 2017

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
क (A) गुजरात GUJARAT						
जलीय HYDRO						
1.	उकई Ukai - 1			1.04	75	
	उकई Ukai - 2			3.28	75	
	उकई Ukai - 3			16.23	75	
	उकई Ukai - 4			0.00	0	
	उकई Ukai (Total)	42	150	20.55	227	0.000
2.	उकई एल बी सी एच Ukai LBCH - 1			0.83	2	
	उकई एल बी सी एच Ukai LBCH - 2			0.75	2	
	उकई एल बी सी एच Ukai LBCH (Total)	2	3	1.58	4	0.000
3.	कडाना Kadana - 1			0.00	0	0.000
	कडाना Kadana - 2			0.00	0	0.000
	कडाना Kadana - 3			0.86	54	
	कडाना Kadana - 4			0.57	57	0.295
	कडाना Kadana (Total)	16	120	1.43	60	0.295
4.	पनम PANAM & Madhuban Dam 1 & 2	0	0	0.60	4	0.021
6.	कुल जलीय TOTAL(H)	60	273	24.16	225	0.539
तापीय THERMAL						
1	टोरेन्ट पावर लिमिटेड युनिट सी	42	60	0.00	0	0.052
2	टोरेन्ट पावर लिमिटेड युनिट डी	85	120	71.91	118	6.520
3	टोरेन्ट पावर लिमिटेड युनिट ई	0	0	77.34	122	6.636
4	टोरेन्ट पावर लिमिटेड युनिट एफ	74	121	80.95	123	7.255
5	टोरेन्ट पावर लिमिटेड युनिट जी टी 1			0.00	0	
6	टोरेन्ट पावर लिमिटेड युनिट जी टी 2	0	0	0.00	0	
7	टोरेन्ट पावर लिमिटेड युनिट एस टी जी			0.00	0	
8	धुवरन तापीय Dhuvaran - 5	0	0	0.00	0	0.000
9	धुवरन तापीय Dhuvaran - 6	0	0	0.00	0	0.734
10	धुवरन तापीय Dhuvaran - GT 1			0.00	0	4.193
11	धुवरन तापीय Dhuvaran - GT 2	0	0	0.00	0	0.000
12	धुवरन तापीय Dhuvaran - STG			51.79	98	
13	उकई युनिट 1 Ukai - 1	70	100	0.00	0	0.049
14	उकई युनिट 2 Ukai - 2	70	100	0.00	0	0.016
15	उकई युनिट 3 Ukai - 3	36	200	124.94	200	12.764
16	उकई युनिट 4 Ukai - 4	140	200	114.31	203	11.218
17	उकई युनिट 5 Ukai - 5	19	50	110.50	213	10.701
18	उकई युनिट 6 Ukai - 6			45.77	502	4.194
19	गांधीनगर 1 Gandhinagar - 1	70	100	0.00	0	0.000
20	गांधीनगर 2 Gandhinagar - 2	70	100	0.00	0	0.000
21	गांधीनगर 3 Gandhinagar - 3	136	210	65.14	214	7.519
22	गांधीनगर 4 Gandhinagar - 4	145	210	67.27	219	7.377
23	गांधीनगर 5 Gandhinagar - 5	37	210	119.53	215	12.161
24	वाणकवौरी 1 Wanakbori - 1	0	0	65.16	215	0.000
25	वाणकवौरी 2 Wanakbori - 2	145	210	59.30	211	
26	वाणकवौरी 3 Wanakbori - 3	145	210	121.32	211	
27	वाणकवौरी 4 Wanakbori - 4	89	150	100.75	213	
28	वाणकवौरी 5 Wanakbori - 5	145	210	79.88	212	
29	वाणकवौरी 6 Wanakbori - 6	145	210	71.80	210	
30	वाणकवौरी 7 Wanakbori - 7	145	210	123.53	213	
31	उत्तरन Utran GT 1	0	0	0.00	0	0.000
32	उत्तरन Utran GT 2	0	0	0.00	0	0.000
33	उत्तरन UTRAN - GT- 3	0	0	0.00	0	0.000
34	उत्तरन UTRAN - GT-4	0	0	11.12	228	1.172
35	उत्तरन UTRAN - STG-I	0	0	0.00	0	0.000
36	उत्तरन UTRAN - STG-II	0	0	7.81	140	0.000

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
37	सिक्का Sikka - 1	70	110	0.00	0	0.030
38	सिक्का Sikka - 2	70	110	202.21	545	20.085
39	कच्छ लिग्नाइट Kutch Lignite - 1	45	70	37.61	71	10.286
40	कच्छ लिग्नाइट Kutch Lignite - 2	45	70	33.16	70	
41	कच्छ लिग्नाइट Kutch Lignite - 3	47	75	41.75	76	
42	कच्छ लिग्नाइट Kutch Lignite - 4	0	0	30.00	64	6.654
43	सूरत लिग्नाइट Surat Lignite - 1			78.93	122	8.483
44	सूरत लिग्नाइट Surat Lignite - 2	173	240	73.15	123	7.573

45	सूरत लिग्नाइट Surat Lignite - 3			83.50	128	7.590
46	सूरत लिग्नाइट Surat Lignite - 4			72.41	126	8.034
47	एक्रीमोटा लिग्नाइट Akrimota Lignite - 1			60.76	97	10.286
48	एक्रीमोटा लिग्नाइट Akrimota Lignite - 2	60	100	43.16	101	
49	जी आई पी सी एल GIPCL GT - 1			3.74	27	0.000
50	जी आई पी सी एल GIPCL GT - 2			17.05	31	
51	जी आई पी सी एल GIPCL GT - 3	95	140	13.22	32	
52	जी आई पी सी एल GIPCL ST - 1			19.22	46	
53	जी आई पी सी एल GIPCL GT - 4			0.00	0	0.000
54	जी आई पी सी एल GIPCL ST - 2	95	140	0.00	0	
55	ई एस एम ए आर ESSAR GT - 1			0.00	0	0.000
56	ई एस एम ए आर ESSAR GT - 2			0.00	0	
57	ई एस एम ए आर ESSAR GT - 3	350	480	0.00	0	
58	ई एस एम ए आर ESSAR STG			0.00	0	
59	जी पी ई सी GPEC GT - 1			2.19	144	0.025
60	जी पी ई सी GPEC GT - 2			20.80	150	0.457
61	जी पी ई सी GPEC GT - 3	430	600	7.90	146	0.283
62	जी पी ई सी GPEC STG			8.43	148	
63	जी एस ई जी GSEG GT - 1			0.67	46	0.000
64	जी एस ई जी GSEG GT - 2	90	150	0.20	42	
65	जी एस ई जी GSEG STG			6.17	361	
66	Sugen (GT 1 + GT 2)	0	0	208.32	364	11.271
67	सीपीपी से आयात Imp from CPP+MUNDRA	50	100	2594.67	3604	
	कुल तापीय Total (T)	5277	7992	5625.00	11285	428.687
	कुल जलीय+तापीय Total (H+T)	6130	9359	5649.17	12561	429.227
	विंड इनर्जी Wind Energy			1281.81		
	कुल जलीय+तापीय+हवा Total (H+T+Wind)			6930.98	14533	
	विनिमय Exchanges		(+)	2722.70		
	सीमित ऊर्जा मांग Restricted Energy Req.	8000		9653.68		
ख (B)	MADHYA PRADESH मध्य प्रदेश					
	जलीय HYDRO					
1	चम्बल परि Chambal Pr.(50% share)	50	114	7.48	84	
1.1	गांधी सागर Gandhi Sagar			12.82	98	0.070
1.2	राणा प्रताप सागर R.P.Sagar			0.15	10	0.020
1.3	जवाहर सागर Jawahar Sagar			1.98	60	0.020
2	पेन्च Pench	40	75	6.35	145	0.080
3	बारगी Bargi	50	90	18.35	36	0.080
4	बारगी Bargi (LBCH)			0.00	0	
5	बनसागर टेम्स Bansagar-1 (Tons)	130	315	51.03	320	0.250
6	बनसागर Bansagar-2 (Deolondh)	0	0	20.19	60	
7	बनसागर Bansagar-3 (Silpara)	30	60	5.83	26	0.010
8	बनसागर Bansagar-4 (Zinaha)	0	0	4.74	11	0.030
9	मेडीकहेडा Medikheda	30	60	0.01	54	
10	विरसिंगपुर Birsingpur	15	20	1.22	20	0.010
11	टावा Tawa	0	0	0.00	0	
12	राजघाट Rajghat	20	30	0.00	0	0.060
13	Omkareshwar	210	360	77.81	392	0.443
14	इंदिरा सागर Indira Sagar	610	990	151.09	1022	0.722
	कुल जलीय TOTAL(H) MPPGCL	1185	2114	337.74	2408	1.118

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
तापीय THERMAL						
1	अमरकंटक II AMK II Unit -1			0.00	0	10.750
2	अमरकंटक II AMK II Unit -2	61	82	0.00	0	
3	अमरकंटक III AMK III Unit -5	0	0	103.73	222	0
4	सतपुरा I Satpura-I(60% Share)	50	67	0.00	0	0.000
5	सतपुरा II Satpura-II Unit 6			0.00	0	0.470
6	सतपुरा II Satpura-II Unit 7	128	163	0.00	0	
7	सतपुरा II Satpura-II Unit 8			0.00	0	1.090
8	सतपुरा II Satpura-II Unit 9	122	163	0.00	0	
9	सतपुरा III Satpura-III Unit 10			146.93	266	27.400
10	सतपुरा III Satpura-III Unit 11			89.73	175	16.450
11	एसजीटीपीएस 1 SGTPS Unit - 1			89.73	175	16.450
12	एसजीटीपीएस 2 SGTPS Unit - 2	142	191	56.42	157	
13	एसजीटीपीएस 3 SGTPS Unit - 3			76.00	173	17.050
14	एसजीटीपीएस 4 SGTPS Unit - 4	144	194	71.83	188	
15	एसजीटीपीएस 5 SGTPS Unit - 5	291	390	268.01	512	
16	SSTPS			57.81	529	9.140
	कुल तापीय Total (T)	1057	1409	1162.10	2475	103.810
	कुल जलीय+तापीय Total (H+T)	2572	4036	1693.59	5106	104.928
	Injection from WIND			664.42	0	

	कुल जलीय+तापीय + विंड Total (H+T+WIND)			2358.01	5106	
	विनिमय Exchanges		(+)	2480.41		
	संमित ऊर्जा मांग Rest. En. Req.	4891		4838.42		
ग (C)	CHHATTISGARH छत्तीसगढ़					
	जलीय HYDRO					
1	हसदेव बांगो Hasdeo Bango	55	120	6.64	120	0.070
2	Gangrel	6	19	0.00	10	0.010
3	Mini Micro KWB			0.00	7	
	कुल जलीय TOTAL(H) CSEB	61	139	6.64	137	0.080
	तापीय THERMAL					
1	कोरबा (पू) Korba (E) Unit-1	30	50	27.64	0	9.260
2	कोरबा (पू) Korba (E) Unit-2	30	50	27.64	31	
3	कोरबा (पू) Korba (E) Unit-3	30	50	27.64	44	
4	कोरबा (पू) Korba (E) Unit-4	30	50	27.84	42	
5	कोरबा (पू) Korba (E) Unit -5	71	120	36.85	120	13.000
6	कोरबा (पू) Korba (E) Unit -6	71	120	66.82	120	
7	कोरबा (पू) Korba (W) Unit -1	125	210	116.93	210	0.000
8	कोरबा (पू) Korba (W) Unit -2	125	210	116.93	210	
9	कोरबा (पू) Korba (W) Unit -3	125	210	116.93	210	22.850
10	कोरबा (पू) Korba (W) Unit -4	125	210	116.93	210	
11	KORBA(EB) Extn - 1 (DSPM 1)	0	250	155.26	254	12.370
12	KORBA(EB) Extn - 2 (DSPM 2)	149	250	176.16	254	13.630
	कुल तापीय Total (T)			1761.10	1993	141.490
13	बालको से आयात BALCO Import			0.00	0	
14	जिन्दल से आयात JINDAL Import			0.00	0	
	कुल तापीय Total (T+IPP)	911	1780	1761.10	2310	
	कुल जलीय+तापीय Total (H+T)	966	1900	1767.74	2447	141.570
	विनिमय Exchanges		(+)	339.85	0	
	संमित ऊर्जा मांग Rest. En. Req.	1986		2107.59	2447	
घ (D)	MAHARASHTRA महाराष्ट्र					
	जलीय HYDRO					
1	कोयना 1 और 2 Koyna 1 & 2	74	300	61.61	475	1.096
2	कोयना III Koyna III	49	150	22.61	240	
3	कोयना IV Koyna IV	165	600	6.87	605	
4	कोयना डीपीएच Koyna DPH	10	20	5.01	22	
5	टाटा जलीय TATA Hydro	120	444	115.40	459	3.050
6	वैतरणा Vaitarna	3	60	22.56	61	
7	एलदारी Eldari	5	10	0.00	0	
8	भटगर और वीर Bhatgar & Vir	3	5	0.00	2	
9	पैठान Paithan	0	0	0.18	14	
10	तिलारी Tillari	0	0	1.20	63	
11	भीरा टेल रेस Bhira Tail Race	9	80	8.43	80	
12	घटघर Ghatghar	37	250	9.90	250	
13	अन्य छोटे जलीय Small Hydro (others)	32	47	-15.64	0	
	कुल जलीय TOTAL(H)	506	1966	271.18	459	4.146

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
तापीय THERMAL						
3	नासिक 3 Nasik Unit -3	105	140	53.00	195	
4	नासिक 4 Nasik Unit -4	85	115	123.69	207	
5	नासिक 5 Nasik Unit -5	133	180	69.70	201	
6	ट्राम्बे 4 Trombay Unit -4	0	0	0.00	0	
7	ट्राम्बे 5 Trombay Unit -5	250	500	226.94	491	
8	ट्राम्बे 6 Trombay Unit -6	130	500	0.00	0	
9	ट्राम्बे 8 Trombay Unit -8	0	0	155.22	249	
10	ट्राम्बे 7अ गैस Trombay -7A (Gas)	0	0	78.94	124	3.330
11	ट्राम्बे 7ब Trombay -7B (WHR)	0	0	44.81	67	
12	कोराडी 5 Koradi Unit -5	65	85	0.00	0	
13	कोराडी 6 Koradi Unit -6	75	100	0.00	0	
14	कोराडी 7 Koradi Unit -7	75	100	821.19	1782	
15	भुसावल 2 Bhusawal Unit -2	110	150	0.00	0	
16	भुसावल 3 Bhusawal Unit -3	100	135	48.66	195	
17	भुसावल 4 Bhusawal Unit -4	250	335	209.26	500	
18	भुसावल 4 Bhusawal Unit -5	0	0	207.47	500	
19	पारली 3 Parli Unit -3	0	0	0.00	0	
20	पारली 4 Parli Unit -4	0	0	0.00	0	
21	पारली 5 Parli Unit -5	0	0	0.00	0	
22	पारली 6 Parli Unit -6	155	210	65.93	250	
23	पारली 7 Parli Unit -7	40	55	75.72	455	
24	खापरखेड़ा 1 Khaperkheda Unit -1	80	110	91.04	180	
25	खापरखेड़ा 2 Khaperkheda Unit -2	100	135	49.37	180	
26	खापरखेड़ा 3 Khaperkheda Unit -3	350	470	90.54	190	

27	खापरखेडा 4 Khaperkheda Unit -4			82.77	172	
28	खापरखेडा 5 Khaperkheda Unit -5	135	180	266.60	500	
30	पारस Paras-3	135	180	143.85	250	
31	पारस Paras-4	200	430	95.06	250	
32	उरन Uran (Gas)	200	430	269.69	454	
33	उरन Uran (WHR)	100	220	0.00	0	5.592
34	चंद्रपुर 1 Chandrapur Unit -1	100	135	0.00	0	
35	चंद्रपुर 2 Chandrapur Unit -2	100	135	0.00	197	
36	चंद्रपुर 3 Chandrapur Unit -3	90	120	19.72	199	
37	चंद्रपुर 4 Chandrapur Unit -4	70	95	113.15	460	
38	चंद्रपुर 5 Chandrapur Unit -5	80	110	267.81	459	
39	चंद्रपुर 6 Chandrapur Unit -6	190	255	279.33	1473	
40	चंद्रपुर 7 Chandrapur Unit -7	150	200	784.97	0	
41	डहानू 1 Dahanu Unit-1			147.67	250	14.419
42	डहानू 2 Dahanu Unit-2	372	500	149.55	250	14.620
43	CPP	0.00	0.00	2504.54	3478.53	
44	RGPPPL Share	200	300	0.00	0	
	कुल तापीय Total (T)	6290	9090	7536.19	10585	353.740
	MAH. Wind + Solar Generation			945.40	0	
	कुल जलीय +तापीय Total (H+T+Wind)	6966	9960	8752.77	12620	395.847
	TOT. विनिमय Exchanges		(+)	3370.82		
	सीमित ऊर्जा मांग Rest. En. Req.	11450		12123.59		
च (E)	गोवा GOA					
	आई पी पी रिलायंस IPP Reliance			13.72	24	
	विनिमय Exchanges			303.89		
	सीमित ऊर्जा मांग Rest. En. Req.	335	575	321.18	464	
छ (F)	दमन और दीव DAMAN & DIU			213.23	352	
ज (G)	दादरा नगर हवेली DNH			508.59	781	
	कुल DD & DNH (T)	133	242	721.81	1133	

क्रमांक Sr. No.	स्टेशन का नाम Station Name	Schedule योजना		Actual वास्तविक		Auxillary Consumption (Gwh)
		ऊर्जा Energy (Gwh)	चरम Peak (Mw)	ऊर्जा Energy (Gwh)	चरम Peak (Mw)	
(H)	केंद्रीय क्षेत्र Central Sector					
	1. एन पी सी N.P.C.					
1.1	तारापुर 1 TAPS Unit -1	80	160	9.50	160	5.841
1.2	तारापुर 2 TAPS Unit -2	80	160	113.10	160	
1.3	तारापुर 3 TAPS Unit -3	300	480	366.05	540	42.715
1.4	तारापुर 4 TAPS Unit -4	300	480	0.00	0	
1.5	काकरापार 1 KAPS Unit -1	125	200	0.00	540	3.263
1.6	काकरापार 2 KAPS Unit -2	125	200	0.00	0	
	कुल एन पी सी NPC Total	1010	1680	488.65	1400	
	2. एन टी पी सी N.T.P.C.					
2.1	कोरवा एमटीपीएस 1 KSTPS Unit-1			122.78	212	
2.2	कोरवा एमटीपीएस 2 KSTPS Unit-2			145.06	213	
2.3	कोरवा एमटीपीएस 3 KSTPS Unit-3			140.64	215	
2.4	कोरवा एमटीपीएस 4 KSTPS Unit-4			312.73	515	
2.5	कोरवा एमटीपीएस 5 KSTPS Unit-5			328.57	516	
2.6	कोरवा एमटीपीएस 6 KSTPS Unit-6			320.82	514	
2.7	कोरवा एमटीपीएस 7 KSTPS Unit-7			355.36	515	
	कुल कोरवा KSTPS Total	1510	2600	1725.95	2700	111.776
2.7	विन्ध एमटीपीएस 1 VSTPS Unit-1			126.81	216	
2.8	विन्ध एमटीपीएस 2 VSTPS Unit-2			122.83	215	
2.9	विन्ध एमटीपीएस 3 VSTPS Unit-3			124.55	214	
2.10	विन्ध एमटीपीएस 4 VSTPS Unit-4			135.61	214	
2.11	विन्ध एमटीपीएस 5 VSTPS Unit-5			124.03	215	
2.12	विन्ध एमटीपीएस 6 VSTPS Unit-6			140.13	216	
2.13	विन्ध एमटीपीएस 7 VSTPS Unit-7			58.76	516	
2.14	विन्ध एमटीपीएस 8 VSTPS Unit-8			273.33	514	
2.15	विन्ध एमटीपीएस 9 VSTPS Unit-9			330.56	514	
2.16	विन्ध एमटीपीएस 10 VSTPS Unit-10			323.22	516	
2.17	विन्ध एमटीपीएस 11 VSTPS Unit-11			334.00	514	
	कुल विन्धवाचल VSTPS Total	2294	4260	2736.65	#REF!	185.46
3.1	सीपत -1 -SIPAT-1			421.38	670.00	
3.2	सीपत -2 -SIPAT-2			392.25	681.00	
3.3	सीपत -3 -SIPAT-3			455.04	678.00	
3.4	सीपत -4 -SIPAT-4			299.16	514.00	
3.5	सीपत -5 SIPAT-5			349.08	515.00	
	कुल सीपत -SIPAT TOTAL			1916.91	3058.00	109.81
4.1	कवास गैस 1ए Kawas GT-1A			0.52	105	
4.2	कवास गैस 1बी Kawas GT-1B			0.73	105	
4.3	कवास एमटी 1सी Kawas ST-1C			0.21	121	
4.4	कवास गैस 2ए Kawas GT-2A			63.09	107	
4.5	कवास गैस 2बी Kawas GT-2B			62.84	108	
4.6	कवास एमटी 2सी Kawas ST-2C			71.50	119	

	कुल कवास KGPS Total	193	630	198.88	665	5.785
5.1	गंधार गैस 1 Gandhar GT-1			16.74	143	
5.2	गंधार गैस 2 Gandhar GT-2			70.82	144	
5.3	गंधार गैस 3 Gandhar GT-3			78.15	144	
5.4	गंधार एस्ट्री 4 Gandhar ST-4			89.49	216	
	कुल गंधार GGPS Total	80	630	255.20	647	6.988
6.1	मौदा 1 Mauda -1			166.13	493	0.000
6.2	मौदा 2 Mauda -2			294.39	920	0.000
	कुल मौदा MAUDA Total	186	500	460.52	1413	39.310
6.1	RGPPPL Block I			0.00	0	
6.2	RGPPPL Block II			30.86	240	
6.3	RGPPPL Block III			325.39	500	
	RGPPPL TOTAL	540	750	356.25	500	9.975
7.1	एस एस पी SSP RBPH - 1			33.68	184	
7.2	एस एस पी SSP RBPH - 2			34.04	184	
7.3	एस एस पी SSP RBPH - 3			49.97	185	
7.4	एस एस पी SSP RBPH - 4			50.80	185	
7.5	एस एस पी SSP RBPH - 5			26.32	184	
7.6	एस एस पी SSP RBPH - 6			19.80	185	
7.7	एस एस पी SSP CHPH - 1			18.04	35	
7.8	एस एस पी SSP CHPH - 2			17.00	35	
7.9	एस एस पी SSP CHPH - 3			16.81	35	
7.10	एस एस पी SSP CHPH - 4			2.85	34	
7.11	एस एस पी SSP CHPH - 5			2.98	35	
	कुल एस एस पी SSP Total	580	900	272.29	1281	2.723
8.1	कुल पेंच Pench Total	40	75	6.35	145	0.080
8.2	Jindal Injection			0.00	0	
8.3	Amarkantak Lanco			0.00	0	
	(I) पश्चिमी क्षेत्र WESTERN REGION					
	ग्रोस उत्पादन Gross generation			27902.41		
	(J) उपलब्धता Availability			#REF!		
	नेट विनिमय Net Exchanges		(+)	-6208.53		
	उपलब्ध ऊर्जा Energy Availability	32600		#REF!		

राज्य	State	Anticipated अपेक्षित (MW)	वास्तविक Actual (MW)				दिनांक Date	समय Time	आवृत्ति Frequency	
			आपूर्ति Catered	वास्तविक						
				UNSCH LS	FC	SCH LS				कुल Total
गुजरात	<u>GUJARAT</u>									
	पंजीकृत Registered		16204	-	-	-	16204	03.06.2017	15:00	49.87
	सीमित Restricted	13200								
	असीमित Unrestricted	13240	16204	0	73.73	0	16204	03.06.2017	15:00	49.87
न्यूनतम पंजीकृत मांग	Min. Registered Demand		9074				9074	30.06.2017	0500	49.95
मध्य प्रदेश	<u>MADHYA PRADESH</u>									
	पंजीकृत Registered		7831	-	-	-	7831	03.06.2017	23:00	49.87
	सीमित Restricted	6841								
	असीमित Unrestricted	8887	7831	0	29.87	0	7861	03.06.2017	23:00	49.87
न्यूनतम पंजीकृत मांग	Min. Registered Demand		5187				5187	30.06.2017	1400	
छत्तीसगढ़	<u>CHHATTISGARH</u>									
	पंजीकृत Registered		3389				3389	03.06.2017	2100	49.94
	सीमित Restricted	3534								
	असीमित Unrestricted	3534	3389	169.5	14.70	0	3573	03.06.2017	2100	49.94
न्यूनतम पंजीकृत मांग	Min. Registered Demand		2499				2499	21.06.2017	1800	50.04
महाराष्ट्र	<u>MAHARASHTRA</u>									
	पंजीकृत Registered		21073	-	-	-	21073	01.06.2017	12:00:00	49.86
	सीमित Restricted	19600								
	असीमित Unrestricted	19650	21073	0	103.26	0	21176	01.06.2017	12:00:00	49.86
न्यूनतम पंजीकृत मांग	Min. Registered Demand		13885				13885	28.06.2017	0300	49.96
गोवा	<u>*GOA</u>									
	पंजीकृत Registered	575	464				464	23.06.2017	20:00	49.95
	असीमित Unrestricted	575	464	0	0.81		465	23.06.2017	20:00	50
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
एस्सार	<u>ESSAR(ESIL)</u>									
	पंजीकृत Registered		874				874	30.06.2017	1900	49.94
	असीमित Unrestricted		874	0	0		874	30.06.2017	0600	49.94
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
दमन एवं दीव	<u>DD</u>									
	पंजीकृत Registered		329				329	07.06.2017	16:00	49.97
	असीमित Unrestricted		329	0	0		329	07.06.2017	16:00	49.97
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
दादरा व न हवेली	<u>DNH</u>									
	पंजीकृत Registered		760				760	22.06.2017	18:00	50.01
	असीमित Unrestricted		760	0			760	22.06.2017	18:00	50.01
न्यूनतम पंजीकृत मांग	Min. Registered Demand									
पश्चिम क्षेत्र	<u>WESTERN REGION</u>									
	पंजीकृत Registered		48814	-	-	-	48814	03.06.2017	15:00	49.83
	सीमित Restricted	50220								
	असीमित Unrestricted	50400	48814	0	290	0	49104	03.06.2017	15:00	49.83
न्यूनतम पंजीकृत मांग	Min. Registered Demand		33792				33792	30.06.2017	0400	

अनु.क्र.	वर्गीकृत नाम	PARALLEL / RADIAL OPERATION	TOTAL OPERATING HOURS
1	एचवीडीसी बैक टू बैक लिंक	HVDC back-to back link(WR-NR)-Pole 1	716:55:00
2	एचवीडीसी बैक टू बैक लिंक	HVDC back-to back link(WR-NR)-Pole 2	715:58:00
3	एचवीडीसी बैक टू बैक लिंक	HVDC back-to back link(WR-SR)	720:00:00
		TIE LINE	
1	765 केवी सिवनी से वर्धा-I	765kV Seoni to Wardha-I	712:10:00
2	765 केवी सिवनी से वर्धा-II	765kV Seoni to Wardha-II	718:25:00
3	765 केवी सिवनी से बिलासपुर-I	765kV Seoni to Bilaspur-I	712:57:00
4	765 केवी सिवनी से बिलासपुर-II	765kV Seoni to Bilaspur-II	685:22:00
5	765 केवी दुर्ग से वर्धा -I	765kV Durg to Wardha I	468:04:00
6	765 केवी दुर्ग से वर्धा -II	765kV Durg to Wardha II	645:29:00
7	765 केवी दुर्ग से वर्धा -III	765kV Durg to Wardha III	602:52:00
8	765 केवी दुर्ग से वर्धा -IV	765kV Durg to Wardha IV	567:51:00
9	400 केवी भिलाई से कोराडी	400kV Bhilai to Koradi	714:46:00
10	400 केवी भिलाई से भद्रावती	400kV Bhilai to Bhadravati	720:00:00
11	400 केवी रायपुर से भद्रावती -I	400kV Raipur to Bhadravati-I	718:15:00
12	400 केवी रायपुर से भद्रावती -II	400kV Raipur to Bhadravati-II	720:00:00
13	400 केवी रायपुर से भद्रावती -III	400kV Raipur to Bhadravati-III	720:00:00
14	400	400kV Satpura to Koradi	701:21:00
15	400 -I	400kV Khandwa-Dhule-I	719:43:00
16	400 -II	400kV Khandwa-Dhule-II	720:00:00
17	400 -I	400kV Indore to Asoj-I	717:10:00
18	400 -II	400kV Indore to Asoj-II	720:00:00
19	400 -III	400kV Indore to Asoj-III	720:00:00
20	400 केवी कोल्हापुर से मापसा-I(GIS)	400kV Kolhapur-Mapusa-I(GIS)	586:48:00
21	400 केवी कोल्हापुर से मापसा-II(GIS)	400kV Kolhapur-Mapusa-II(GIS)	464:48:00
22	400	400kV Vapi-Boisar	720:00:00
23	400	400kV Raigarh to IBEUL	720:00:00
24	400 केवी रायगढ़ से स्टरलाइट	400kV Raigarh to Sterlight	720:00:00
25	400 केवी स्टरलाइट से राऊरकेला	400kV Sterlight to Rouerkela	720:00:00
26	400	400kV Raigarh to Jharsuguda	720:00:00
27	400 -I	400kV Nagda to Dehgam	719:06:00
28	400 -II	400kV Nagda to Dehgam	719:32:00
29	400 केवी रायपुर से वर्धा-I	400kV Raipur to Wardha-I	704:32:00
30	400 केवी रायपुर से वर्धा-II	400kV Raipur to Wardha-II	704:36:00
31	400 केवी रायपुर से वर्धा-III	400kV Raipur to Wardha-III	720:00:00
32	400 केवी रायपुर से वर्धा-IV	400kV Raipur to Wardha-IV	720:00:00
31	220 पूर्व : बुद्धिपाद-II	220kV K(E) to Budhipadar-II	715:30:00
32	221 पूर्व : बुद्धिपाद-III	220kV K(E) to Budhipadar-III	720:00:00

माह जून 2017 के अंत में पश्चिम क्षेत्र के मुख्य जलाशयों के स्तर
LEVEL OF MAJOR RESERVOIRS IN WESTERN REGION AT THE END OF MONTH OF JUNE 2017

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	93.77	394.35	246.88	631.82
1.2	पिछले वर्ष इस माह के अनुरूप आंकड़ें Corresponding Figure of the month Last Year	86.48	391.32	246.91	619.81

ANNEXURE 5

TRIPPING REPORT FOR THE MONTH FO JUNE 2017 - WESTERN REGION

S.No	Region	Name of Elements	Owner/Agency	Outage		Revival		Outage Duration	Event	Generati on Loss (MW)	Load Loss (MW)	Category as per CEA standards	Energy Unserved (MU)
				Date	Time	Date	Time						
1	WR	Tripping of 1. 400/220 kV, 500 MVA ICT-1 2. 400/220 kV, 500 MVA ICT-3	MSETCL	01/06/2017	7:20	01/06/2017	8:30	1:10	Bus Bar protection operated due to Bird nest at B Phase bus gantry tension insulator String at 400/220 kV Kalwa Sub Station.	Nil	Nil	GI-2	Nil
2	WR	Tripping of 1.400 kV Jejuri - Lonikhand 2.400 kV Jejuri - New Koyna Stage IV 3.400 kV/220 kV, 500 MVA Jejuri ICT 1 3.400 kV /220 kV, 500 MVA Jejuri ICT 2	MSETCL	01/06/2017	22:17	01/06/2017	23:27	1:10	400 kV Main Bus1 Earth Switch String Burst and tripped on Zone 2 protection operated at the mentioned lines from other end of Jejuri S/s due to non operation of Bus Bar protection which leads to Blackout of entire Substation.	Nil	500	GD-1	0.5833
3	WR	Tripping of 1. 800 kV HVDC Champa-Kurukshetra Pole-I 2. 765 kV Jabalpur(PS)-Bina(PG)-I & III 3. 765 kV Bina(PG)-Gwailor(PG)-III 4. 765 kV Bina(PG)-Indore(PG)-S/C 5. 765 kV Bina(PG)-Gwailor(PG)-II 6. 765 kV Jabalpur(PS)-Bhopal(BDTCL)-S/C 7. 765 kV Seoni(PG)-Wardha(PG)-I 8. 765 kV Bhopal(BDTCL)-Indore(PG)-S/C 9. 765 kV Aurangabad-Wardha-II 10. 400 kV ITARSI-INDORE(MP)-II 11. 400 kV BINA(PGCIL)-SUJALPUR D/C 12. 400 kV BINA(MP)-JP BINA(BPSCL) S/C 13. 400 kV BHILAI(KHEDAMARA)-KORADI S/C 14. 400 kV RAIPUR-DURG D/C	PGCIL/ MPPTCL/ RTCL/ JP NIGRIE	05/06/2017	14:04	05/06/2017	14:47	0:43	Due to inclement weather at Bina, Indore and Bhopal Multiple tripping event occurred.	1083	150	GD-1	To be submitted by MP SLDC
4	WR	Tripping of 1. 400/220 kV ICT-3 2. 220 kV Bina-Datiya 3. 220 kV Bina-Sagar-2 4. 220 kV Bina-Bina I/C-2 5. 220 kV Bina-BORL-2 6. 220 kV Bina-Bina (PG) 7. 220 kV Bina-Shivpuri	MPPTCL	06/06/2017	19:39	06/06/2017	20:21	0:42	Due to Bus bar protection operation at Bina MP	Nil	Nil	GI-1	Nil

5	WR	Tripping of 1.Kawas - Vav 1 2.Kawas - Vav 2 3.Kawas - Navsari 1 4.Kawas - Navsari 2 5.Kawas - Icchapore 2 6.Kawas - Haldarwa 1 7.Kawas - Haldarwa 2 8.Kawas GT 2A 9.Kawas GT 2B 10.Kawas ST 2C	NTPC	12/06/2017	13:37	12/06/2017	14:21	0:41	B phase fault on 220kV Icchapore 2 not cleared and LBB operated which leads to tripping of all outgoing lines and Generating units.	312	Nil	GD-1	Nil
6	WR	Tripping of 1.400 kV RKM Power -Raigarh PS(Kotra) 1 2.400 kV RKM Power -Raigarh PS(Kotra) 2 3.360 MW RKM Unit 1	RKM/PGCIL	12/06/2017	17:07	12/06/2017	17:46	0:39	Due to the loss of evacuation lines on earth fault	149	Nil	GD-1	Nil
7	WR	Tripping of 1.765 kV Dharamjaygarh PG - Jabalpur 1 2.765 kV Dharamjaygarh PG- Jabalpur 2 3.765 kV Dharamjaygarh PG- Jabalpur 3 4.765 kV Dharamjaygarh PG Jabalpur 4 5.765 kV Dharamjaygarh PG - Ranchi 1 6.765 kV Dharamjaygarh PG - Ranchi 2 7.765 kV Dharamjaygarh PG - Jhasarguda 1 8.765 kV Dharamjaygarh PG - Jhasarguda 2 9.765 kV Dharamjaygarh PG - Champa 10.765 kV Dharamjaygarh PG - Bilaspur S/C 11.765 kV/400 kV,1500 MVA	PGCIL/BALCO/KSP	15/06/2017	14:23	15/06/2017	15:12	0:49	Due to Phase to Phase fault occurred on 765kV Jabalpur PS-Dharamjaygarh-III, while clearing fault the tie breaker got stuck and Bus bar protection failed that has caused tripping of lines from remote end.	1400	940	GD-1	To be submitted by BALCO
8	WR	Tripping of 1.400 kV VSTPS - Satna 3 2.400 kV Vindhychal - Satna IV - 4 3.400 kV VSPTS III - VSTPS V -1 4.400 kV Vindhychal(NTPC)- Vindhychal HVDC(PG)-II 5. 500 MW VSTPS Unit-9	NTPC / PGCIL	16/06/2017	15:27	16/06/2017	17:28	2:01	LBB protection operated due to fault not cleared on 400kV VSTPS - Satna 3 ckt.	395	Nil	GI-2	Nil
9	WR	Tripping of 1.220 kV Taloja - Kalwa 2.220 kV Taloja - OCIL 1 3.220 kV/100 kV, 100 MVA CGL ICT-1 4.220 kV/22 kV,50 MVA CGL Transformer 1	MSETCL	23/06/2017	20:54	23/06/2017	21:43	0:49	On Bus Bar Protection operation of Bus section I due to 220 kV B Phase CT burst at 220 kV Taloja - Kalwa	Nil	12.11	GI-1	0.0098

9	WR	Tripping of 1.765/400 kV, 1500 MVA Tamnar ICT-2 2.400 kV Tamnar(PS)-TRN Energy(Raigarh)-I 3.400 kV JPL_extn(Tamnar)-Tamnar(PS)-III 4.400 kV Tamnar-Raipur-II 5.600 MW JPL Stage II Unit 2 6.600 MW JPL Stage II Unit 4	PGCIL/ACBIL/JPL	24/06/2017	15:50	24/06/2017	16:40	0:50	Inclement Weather Conditions at JPL causing multiple tripping.	300	Nil	GI-2	Nil
10	WR	Tripping of 1.400 kV /220 kV, 315 MVA Magarwada ICT - 2 2.220 kV Magarwada(PG) - Magarwada 1 3.220 kV Magarwada(PG) - Magarwada 2	DNH/PGCIL	24/06/2017	16:02	24/06/2017	16:52	0:50	Inclement Weather Conditions at Magarwada and Kala.	Nil	160	GD-1	0.1333
11	WR	Tripping of 1.220 kV KWB - Chhuri 1 2.220 kV KWB - Chhuri 2 3.220 kV KWB - DSPM 4.220 kV KEB - DSPM 5.220 kV KWB - KEB I/C No. 1 6.220 kV KWB - KEB I/C No. 2 7.220 kV KWB - Mopka 8.400 kV /220 kV, 500 MVA Korba(West) ICT 1 9.120 MW Korba(East) Unit No. 5 10.120 MW Korba(East) Unit No. 6 11.210 MW Korba(West) CSPGCL Unit No.1 12.210 MW Korba(West) CSPGCL Unit No.2 13.210 MW Korba(West) CSPGCL Unit No.3 14.250 MW Korba(East)-Extension DSPM Unit No.1	CSPGCL	25/06/2017	11:55	25/06/2017	12:16	0:21	Tripping of 220 kV KWB - Chhuri 1&2 leads to the blackout of Korba West S/s.	788	Nil	GD-1	Nil
12	WR	Tripping of 1. 400/220 kV, 500 MVA ICT-1 2. 400/220 kV, 500 MVA ICT-3 3.220 kV Kalwa - Colourchem 4.220 kV Kalwa - Mulund 2 5.220 kV Kalwa - Shalshett 4 6.220 kV Kalwa - TIFIL 7.220 kV Kalwa - Trombay	MSETCL	25/06/2017	2:21	25/06/2017	3:21	1:00	LBB operation due to to faulty B phase CB pole at 220 kV Kalwa - Colourchem lineb at Kalwa S/s	Nil	Nil	GI-2	Nil

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

WESTERN REGION SCHEMES FUNDED FROM PSDF
(Amount in Rupees Crores)

Sr. No.	State / UT	No. of Schemes	Scope of Work (Scheme)	(Amount in Rs. Crores)				(As on 31.05.2017)	
				Approved Cost	Grant Sanctioned	Date of Sanction	Funds Released	% of fund Disbursed against grant Sanctioned	Status
1	Madhya Pradesh	5	Implementation of Integrated system for ABT, Open Access and MIS for MP-SLDC.	4.00	3.6	17/03/2016	0	0.00 %	
			Renovation and Upgradation of protection system of substations of MPPTCL	103.00	92.7	17/03/2016	9.27	10.00 %	
			Renovation Upgradation of protection system of substations in MPPGCL	52.34	47.11	05/9/2016	4.71	10.00 %	
			Installation of 125MVAR Bus Bar Reactors at 400kV substation of MPPGCL(SSTPP Khandwa substation)	6.21	5.59	05/9/2016	0.00	0.00 %	
			Installation of 50 MVAR Line Reactor at 400kV substation at STPS -MPPGCL	7.45	6.71	22/05/2017	0.00	0.00 %	
2	Chhattisgarh	2	Scheme for Replacement/renovation/Upgradation of protection system and Switchyard Equipment of EHV substations in CSPTCL.	68.52	61.67	05/9/2016	0.00	0.00 %	
			Implementation of Automatic Demand Management Scheme (ADMS) by CSPTCL	5.03	4.53	16/05/2017	0.00	0.00 %	

3	Gujarat	8	Installation of Automatic Demand Management System in the state of Gujarat in order to improve grid discipline	1.67	1.5	11/5/2015	1.35	90.00 %	Completed
			Load Forecasting Scheme in the state of Gujarat	3.70	3.7	04/08/2015	0.00	0.00 %	
			Wind generation forecasting in the State of Gujarat.	1.62	1.62	17/03/2015	0.00	0.00 %	
			Installation of Super Conducting Fault Current Limiter (SCFCL) at 220 kV Haldarva substation of GETCO	32.37	29.13	02/01/2017	0.00	0.00 %	
			Installation of automatic switched capacitors on 11kV Feeders of MGVCL	28.39	25.55	22/05/2017	0.00	0.00 %	
			Installation of automatic switched capacitors on 11kV Feeders of UGVCL	37.51	33.76	22/05/2017	0.00	0.00 %	
			Installation of automatic switched capacitors on 11kV Feeders of DGVCL	15.77	14.19	22/05/2017	0.00	0.00 %	
			Installation of automatic switched capacitors on 11kV Feeders of PGVCL	63.32	56.99	22/05/2017	0.00	0.00 %	
4	Mharashtra	5	Replacement of existing 0.15 ACSR wolf conductor of 132kV Balapur-Patur-Malegoan corridor and 0.2 ACSR wolf conductor of 132kV Khapri-Besa (Nagpur Ring Main Line) by High Ampacity (HTLS) Conductor	46.15	34.61	16/05/2017	0.00	0.00 %	
			Installation of Data Concentrators in MSETCL	10.41	9.37	16/05/2017	0.00	0.00 %	

		Installation of RTUs for 132 kV Substations of MSETCL	25.65	7.70	16/05/2017	0.00	0.00 %	
		Installation of Capacitor Banks at HV & EHV level at various EHV subatations under Nashik & Pune zones in MSETCL	15.72	14.15	22/05/2017	0.00	0.00 %	
		Implementation of Automatic Demand Management Scheme (ADMS) on 33/11kV HV feeders in Maharashtra	32.58	29.32	22/05/2017	0.00	0.00 %	
TOATAL	20		561.41	483.5		15.33	3.17 %	

Reporting Format to the PSDF Project Monitoring Group

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

Report for the Month of MM / YY

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

Signature with seal of the Nodal Officer

Overall status of Project Proposals submitted for PSDF

(As on 17.07.17)

Sr. No.	Project Title	Estimated Cost of Project in Cr.	Cost Estimate Sanctioned for Grant in Cr.	Amount of Grant Sanctioned in Cr.	Release of Fund by PSDF in Cr.			Values of contract awarded so far in Cr	Values of contract under process of award in Cr	Quantum of grant likely to be utilized out of total approved grant	Status
					1st Stage	Interme- diate Stage	Final Stage				
1	Automatic Demand Management Scheme (ADMS)	1.72	1.67	1.50	0.45 (19-Jan-16)	0.90 (31-Mar-16)		1.67	---	1.50	SLDC has applied for final installment of ` 0.15 Cr. On 27.02.17. SLDC has submitted "No interest accrued" certificate on 01.06.17
2	Load Forecasting	3.70	3.70	3.70				---	---	---	Tender for hiring services is under approval of competent authority.
3	220KV Super Conducting Fault Current Limiter (SCFCL) project	32.37	29.13	29.13				---	---	29.13	The grant of Rs.29.13 Crore is sanctioned on 02.01.17. Sanction letter received on 14.02.17. Project is put up to board and will be tenderized on approval.
4	Wind generation forecasting	1.62	1.62	1.62	0.32 (27-Jun-17)			0.82 (Inclusive ST 14.5 %) for two years.		@1.2 (Considering third year)	First installment of 0.32 cr is received on 27.06.17 and will be utilized by september -17
Total Amount		39.41	36.12	35.95	0.77	0.9					

I/C Chief Engineer (Project)
GETCO

Reporting Format to the PSDF Project Monitoring Group							
1. Name of the Scheme		Implementation of Integrated System for ABT,OA and MIS for MPLSDC					
1.1 Name of the substation and its Location		MPLSDC					
1.2 Executing Agency		M/s Kalki Communication Tech Pvt. Ltd., Bangalore.					
1.3 State/Region		MADHYA PRADESH/WESTERN REGION					
2. Date of Sanction Order		17.03.2016					
2.1 Date of Agreement of Entity with State Govt. / NLDC		22.06.2016					
2.2 Total Approved Cost of Scheme		Rs.400 Lakhs					
2.3 Approved Grant by Monitoring Committee (Rs. In Lakhs)		Rs.360 LAKHS					
2.4 Date of Requisition by the Entity							
	2.4 a) Date and Reference of LOA	06.08.2016, Letter No. 07-05/174-A/1723					
	2.4 b) Amount of LOA	Rs.301.62 LAKHS					
2.5 Date of Disbursement and amount							
	2.5.1 Ist Installment	RECEIVED (Rs. 36 Lakhs)					
	2.5.2 IInd Installment	RECEIVED (Rs. 54.29 Lakhs)					
	2.5.3 IIIrd Installment	Not Yet Received (Rs.162.88 Lakhs)					
2.6 Date of Scheduled completion of work		30 Sept 2017					
2.7 Date of Handling over of Site to entity (In case of Turn key project)		30 Sept 2017					
Report for the Month of JUNE 2017							
No.	Supply Discription	Qty. AS PER LOA	Quantity Received during Month	CUMMULATIVE PROGRESS till date		Balance	Remark
				Sch.	Act.		
1	Item Details						
1.1	Supply of hardware & Sofwtare modules	Lot	Nil	Full quantity of hardware & Operating softwares were received			
1.2	Deployment of software modules	Lot	Nil	Development / Customization in progress			

ANNEXURE - 8.3

WESTERN REGION																	
Sr. No.	Developer	Name of Project	State	Region	Unit No	Total Capacity	DT-of COMMISSIONING	Age in years	Whether FGD Installed	Whether CFB	Whether FGD space available	Whether FGD plan	Whether ESP retrofit	Phasing Plan for Implementation	Phase out plan	Compliance of GM Divisions	STATUS IN 495TH C
1	TRN Energy Private Ltd.	NAWAPARA TPP	Chhattisgarh	WR	1	300	14/08/2016	0	N	N	N	N	N			NORMS COMPLIANT	
2	ACB (INDIA)LTD	CHAKABURA TPP	Chhattisgarh	WR	2	30	28/03/2014	3	N	Y	N/A	N/A	N				
3	ACB (INDIA)LTD	KASAIPALLI TPP	Chhattisgarh	WR	1	135	13/12/2011	5	N	Y	N/A	N/A	N				
4	ACB (INDIA)LTD	KASAIPALLI TPP	Chhattisgarh	WR	2	135	21/06/2012	5	N	Y	N/A	N/A	N				
5	ACB (INDIA)LTD	SWASTIK KORBA TPP	Chhattisgarh	WR	1	25	31/03/2015	2	N	Y	N/A	N/A	Y				
6	Bharat Aluminium Co. Ltd.	BALCO TPS	Chhattisgarh	WR	1	300	04/06/2015	2	N	N	Y	Y	Y			FGD POSSIBLE	
7	Bharat Aluminium Co. Ltd.	BALCO TPS	Chhattisgarh	WR	2	300	24/03/2016	1	N	N	Y	Y	Y			FGD POSSIBLE	
8	CSEB	MARWA TPS	Chhattisgarh	WR	1	500	30/03/2014	3	N	N	Y	Y	N	30/06/2021			
9	CSEB	MARWA TPS	Chhattisgarh	WR	2	500	15/07/2016	0	N	N	Y	Y	N	31/03/2021			
10	CSPGCL	DSPM TPS	Chhattisgarh	WR	1	250	30/03/2007	10	N	N	Y	Y	N			FGD POSSIBLE	
11	CSPGCL	DSPM TPS	Chhattisgarh	WR	2	250	11/12/2007	9	N	N	Y	Y	N			FGD POSSIBLE	
12	CSPGCL	KORBA-III	Chhattisgarh	WR	1	120	22/03/1976	41	N	N	N	N	Y	31/12/2018		TO BE PHASED OUT	
13	CSPGCL	KORBA-III	Chhattisgarh	WR	2	120	05/04/1981	36	N	N	N	N	Y	31/03/2019		TO BE PHASED OUT	
14	CSPGCL	KORBA-WEST Ext. TPS	Chhattisgarh	WR	5	500	22/03/2013	4	N	N	Y	Y	N	30/09/2021			
15	CSPGCL	KORBA-WEST TPS	Chhattisgarh	WR	1	210	21/06/1983	34	N	N	N	N	Y	31/01/2020		TO BE PHASED OUT	
16	CSPGCL	KORBA-WEST TPS	Chhattisgarh	WR	2	210	30/03/1983	34	N	N	N	N	Y	31/03/2020		TO BE PHASED OUT	
17	CSPGCL	KORBA-WEST TPS	Chhattisgarh	WR	3	210	26/03/1985	32	N	N	N	N	Y	30/06/2020		TO BE PHASED OUT	
18	CSPGCL	KORBA-WEST TPS	Chhattisgarh	WR	4	210	13/03/1986	31	N	N	N	N	Y	31/12/2020		TO BE PHASED OUT	
19	DB Power	BARADARHA TPS	Chhattisgarh	WR	1	600	23/02/2014	3	N	N	Y	Y	N	30/06/2021			
20	DB Power	BARADARHA TPS	Chhattisgarh	WR	2	600	24/03/2015	2	N	N	Y	Y	N	30/09/2020			
21	GMR	RAIKHEDA TPP	Chhattisgarh	WR	1	685	24/02/2015	2	N	N	Y	Y	N	30/06/2020			
22	GMR	RAIKHEDA TPP	Chhattisgarh	WR	2	685	28/03/2016	1	N	N	Y	Y	N	30/09/2020			
23	KORBA-WEST TPS Pvt Ltd	AVANTHA BHANDAR	Chhattisgarh	WR	1	600	31/03/2014	3	N	N	Y	Y	N	31/03/2022			
24	KSK Mahanadi Power Co Ltd	AKALTARA TPS	Chhattisgarh	WR	1	600	13/08/2013	3	N	N	Y	Y	N	30/06/2022			

25	KSK Mahanadi Power Co Ltd	AKALTARA TPS	Chhattisgarh	WR	2	600	22/08/2014	2	N	N	Y	Y	N	31/03/2022			
26	M/s Lanko Amarkantak Ltd.	PATHADI TPP	Chhattisgarh	WR	1	300	04/06/2009	8	N	N	N	N	N	31/12/2020	TO BE PHASED OUT		
27	M/s Lanko Amarkantak Ltd.	PATHADI TPP	Chhattisgarh	WR	2	300	25/03/2010	7	N	N	N	N	N	31/12/2020	TO BE PHASED OUT		
28	M/s O.P.Jindal	OP JINDAL TPS	Chhattisgarh	WR	1	250	02/09/2007	9	N	N	Y	Y	N	31/03/2022			
29	M/s O.P.Jindal	OP JINDAL TPS	Chhattisgarh	WR	2	250	10/02/2008	9	N	N	Y	Y	N	31/03/2022			
30	M/s O.P.Jindal	OP JINDAL TPS	Chhattisgarh	WR	3	250	06/03/2008	9	N	N	Y	Y	N	30/06/2022			
31	M/s O.P.Jindal	OP JINDAL TPS	Chhattisgarh	WR	4	250	17/06/2008	9	N	N	Y	Y	N	30/06/2022			
32	M/s O.P.Jindal	TAMNAR TPP	Chhattisgarh	WR	1	600	10/03/2014	3	N	N	Y	Y	N	31/03/2021			
33	M/s O.P.Jindal	TAMNAR TPP	Chhattisgarh	WR	2	600	30/03/2014	3	N	N	Y	Y	N	31/12/2021			
34	M/s O.P.Jindal	TAMNAR TPP	Chhattisgarh	WR	3	600	07/01/2015	2	N	N	Y	Y	N	31/03/2022			
35	M/s O.P.Jindal	TAMNAR TPP	Chhattisgarh	WR	4	600	28/03/2015	2	N	N	Y	Y	N	30/06/2022			
36	Maruti Power Limited	BANDAKHAR TPP	Chhattisgarh	WR	1	300	31/07/2015	1	N	N	Y	Y	N	31/03/2020			
37	NTPC	KORBA STPS	Chhattisgarh	WR	1	200	28/02/1983	34	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
38	NTPC	KORBA STPS	Chhattisgarh	WR	2	200	31/10/1983	33	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
39	NTPC	KORBA STPS	Chhattisgarh	WR	3	200	17/03/1984	33	N	N	N	N	N	31/03/2021	TO BE PHASED OUT		
40	NTPC	KORBA STPS	Chhattisgarh	WR	4	500	31/05/1987	30	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
41	NTPC	KORBA STPS	Chhattisgarh	WR	5	500	25/03/1988	29	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
42	NTPC	KORBA STPS	Chhattisgarh	WR	6	500	26/02/1989	28	N	N	N	N	N	31/03/2021	TO BE PHASED OUT		
43	NTPC	KORBA STPS	Chhattisgarh	WR	7	500	25/11/2010	6	N	N	Y	Y	N	31/03/2022			
44	NTPC	SIPAT STPS	Chhattisgarh	WR	1	500	27/05/2007	10	N	N	Y	Y	N	31/03/2022			
45	NTPC	SIPAT STPS	Chhattisgarh	WR	2	500	13/08/2008	8	N	N	Y	Y	N	31/12/2022			
46	NTPC	SIPAT STPS	Chhattisgarh	WR	3	660	27/06/2011	6	N	N	Y	Y	N	31/03/2022			
47	NTPC	SIPAT STPS	Chhattisgarh	WR	4	660	24/12/2011	5	N	N	Y	Y	N	31/12/2022			
48	NTPC	SIPAT STPS	Chhattisgarh	WR	5	660	02/06/2012	5	N	N	Y	Y	N	31/12/2023			
49	NTPC & Sail	BHILAI TPS	Chhattisgarh	WR	1	250	20/04/2008	9	N	N	N	N	N		NORMS COMPLIANT		
50	NTPC & Sail	BHILAI TPS	Chhattisgarh	WR	2	250	12/07/2009	7	N	N	N	N	N		NORMS COMPLIANT		
51	RKM Powergen Private Ltd.	UCHPINDA TPP	Chhattisgarh	WR	1	360	28/10/2015	1	N	N	Y	Y	N	31/03/2022			
52	RKM Powergen Private Ltd.	UCHPINDA TPP	Chhattisgarh	WR	3	360	28/01/2016	1	N	N	Y	Y	N	31/12/2021			
53	S V Power Ltd	SVPL TPP	Chhattisgarh	WR	1	63	07/12/2011	5	N	Y	N/A	N/A	N				
54	Spectrem Coal & Power Ltd	RATIJA TPS	Chhattisgarh	WR	1	50	04/02/2013	4	N	Y	N/A	N/A	N				

55	Spectrem Coal & Power Ltd	RATIJA TPS	Chhattisgarh	WR	1	50	10/11/2016	0	N	Y	N/A	N/A	N				
56	Vandana Vidyut	KATGHORA TPP	Chhattisgarh	WR	1	35	14/02/2012	5	N	Y	N/A	N/A	Y				
57	Vandana Vidyut	SALORA TPP	Chhattisgarh	WR	1	135	10/04/2014	3	N	N	N	N	N				NO PLAN GIVEN(ELECTRICALL
58	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	1	330	04/08/2009	7	N	N	Y	Y	N	31/03/2022			
59	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	2	330	17/03/2010	7	N	N	Y	Y	N	31/03/2022			
60	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	3	330	02/08/2010	6	N	N	Y	Y	N	31/12/2021			
61	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	4	330	20/12/2010	6	N	N	Y	Y	N	30/09/2021			
62	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	5	660	26/12/2010	6	N	N	Y	Y	N	30/06/2021			
63	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	6	660	20/07/2011	5	N	N	Y	Y	N	31/03/2021			
64	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	7	660	07/11/2011	5	Y	N	N/A	N/A	N				
65	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	8	660	03/03/2012	5	Y	N	N/A	N/A	N				
66	Adani Power Ltd.	MUNDRA TPS	Gujarat	WR	9	660	09/03/2012	5	Y	N	N/A	N/A	N				
67	Bhavnagar Energy Company Ltd	Bhavnagar Lignite TPP	Gujarat	WR	1	250	16/05/2016	1	N	Y	N/A	N/A	N				
68	Essar Gujarat	SALAYA TPP	Gujarat	WR	1	600	04/01/2012	5	N	N	Y	Y	N	30/06/2021			
69	Essar Gujarat	SALAYA TPP	Gujarat	WR	2	600	15/06/2012	5	N	N	Y	Y	N	31/03/2021			
70	GIPCL	SURAT LIG. TPS	Gujarat	WR	1	125	16/01/2000	17	N	Y	N/A	N/A	N				
71	GIPCL	SURAT LIG. TPS	Gujarat	WR	2	125	06/11/1999	17	N	Y	N/A	N/A	N				
72	GIPCL	SURAT LIG. TPS	Gujarat	WR	3	125	12/04/2010	7	N	Y	N/A	N/A	Y	30/09/2020			
73	GIPCL	SURAT LIG. TPS	Gujarat	WR	4	125	23/04/2010	7	N	Y	N/A	N/A	Y	31/12/2020			
74	GMD Corpn.	AKRIMOTA LIG TPS	Gujarat	WR	1	125	31/03/2005	12	N	Y	N/A	N/A	Y	30/09/2020			
75	GMD Corpn.	AKRIMOTA LIG TPS	Gujarat	WR	2	125	19/12/2005	11	N	Y	N/A	N/A	Y	31/12/2020			
76	GSECL	GANDHI NAGAR TPS	Gujarat	WR	3	210	20/03/1990	27	N	N	Y	Y	N				PARTIAL FGD
77	GSECL	GANDHI NAGAR TPS	Gujarat	WR	4	210	20/07/1991	25	N	N	Y	Y	N				PARTIAL FGD
78	GSECL	GANDHI NAGAR TPS	Gujarat	WR	5	210	17/03/1998	19	N	N	Y	Y	N				PARTIAL FGD
79	GSECL	KUTCH LIG. TPS	Gujarat	WR	1	70	29/03/1990	27	N	N	Y	Y	Y				PARTIAL FGD
80	GSECL	KUTCH LIG. TPS	Gujarat	WR	2	70	25/03/1991	26	N	N	Y	Y	Y				PARTIAL FGD
81	GSECL	KUTCH LIG. TPS	Gujarat	WR	3	75	31/03/1997	20	N	N	Y	Y	Y				PARTIAL FGD
82	GSECL	KUTCH LIG. TPS	Gujarat	WR	4	75	01/10/2009	7	N	Y	N/A	N/A	Y	31/12/2020			
83	GSECL	SIKKA REP. TPS	Gujarat	WR	2	120	31/03/1993	24	N	N	N	N	N		30/06/2017		TO BE PHASED OUT

84	GSECL	SIKKA REP. TPS	Gujarat	WR	3	250	29/03/2015	2	N	N	Y	Y	N			FGD POSSIBLE	
85	GSECL	SIKKA REP. TPS	Gujarat	WR	4	250	25/09/2015	1	N	N	Y	Y	N			FGD POSSIBLE	
86	GSECL	UKAI TPS	Gujarat	WR	3	200	21/01/1979	38	N	N	Y	Y	Y			FGD POSSIBLE	
87	GSECL	UKAI TPS	Gujarat	WR	4	200	28/03/1979	38	N	N	Y	Y	Y			FGD POSSIBLE	
88	GSECL	UKAI TPS	Gujarat	WR	5	210	30/01/1985	32	N	N	Y	Y	Y			FGD POSSIBLE	
89	GSECL	UKAI TPS	Gujarat	WR	6	500	05/03/2013	4	N	N	Y	Y	Y	31/03/2022			
90	GSECL	WANAKBORI TPS	Gujarat	WR	1	210	23/03/1982	35	N	N	Y	Y	Y			FGD POSSIBLE	
91	GSECL	WANAKBORI TPS	Gujarat	WR	2	210	15/01/1983	34	N	N	Y	Y	Y			FGD POSSIBLE	
92	GSECL	WANAKBORI TPS	Gujarat	WR	3	210	15/03/1984	33	N	N	Y	Y	Y			FGD POSSIBLE	
93	GSECL	WANAKBORI TPS	Gujarat	WR	4	210	09/03/1986	31	N	N	Y	Y	Y			FGD POSSIBLE	
94	GSECL	WANAKBORI TPS	Gujarat	WR	5	210	23/09/1986	30	N	N	Y	Y	Y			FGD POSSIBLE	
95	GSECL	WANAKBORI TPS	Gujarat	WR	6	210	18/11/1987	29	N	N	Y	Y	Y			FGD POSSIBLE	
96	GSECL	WANAKBORI TPS	Gujarat	WR	7	210	31/12/1998	18	N	N	Y	Y	Y			FGD POSSIBLE	
97	Tata Power (CGPL)	MUNDRA UMTTP	Gujarat	WR	1	800	07/03/2012	5	N	N	Y	Y	N	30/06/2020			
98	Tata Power (CGPL)	MUNDRA UMTTP	Gujarat	WR	2	800	30/07/2012	4	N	N	Y	Y	N	31/03/2021			
99	Tata Power (CGPL)	MUNDRA UMTTP	Gujarat	WR	3	800	27/10/2012	4	N	N	Y	Y	N	30/06/2021			
100	Tata Power (CGPL)	MUNDRA UMTTP	Gujarat	WR	4	800	21/01/2013	4	N	N	Y	Y	N	31/03/2022			
101	Tata Power (CGPL)	MUNDRA UMTTP	Gujarat	WR	5	800	22/03/2013	4	N	N	Y	Y	N	31/03/2022			
102	Torrent Power Generation Ltd.,	SABARMATI	Gujarat	WR	1	120	12/10/1978	38	N	N	Y	Y	N			PARTIAL FGD	
103	Torrent Power Generation Ltd.,	SABARMATI	Gujarat	WR	2	121	31/12/1984	32	N	N	Y	Y	N			PARTIAL FGD	
104	Torrent Power Generation Ltd.,	SABARMATI	Gujarat	WR	3	121	28/09/1988	28	N	N	Y	Y	N			PARTIAL FGD	
105	Torrent Power Generation Ltd.,	SABARMATI	Gujarat	WR	15	30	25/02/1962	55	N	N	N	N	N	31/12/2017		TO BE PHASED OUT	
106	Torrent Power Generation Ltd.,	SABARMATI	Gujarat	WR	16	30	19/05/1963	54	N	N	N	N	N	31/12/2017		TO BE PHASED OUT	
107	BLA Pvt Limited	NIWARI TPP	Madhya Pradesh	WR	1	45	10/12/2013	3	N	N	N	N	N			NORMS COMPLIANT	
108	BPSCL	BINA TPS	Madhya Pradesh	WR	1	250	12/08/2012	4	N	N	N	N	N			NORMS COMPLIANT	
109	BPSCL	BINA TPS	Madhya Pradesh	WR	2	250	31/03/2013	4	N	N	N	N	N			NORMS COMPLIANT	
110	ESSAR power	MAHAN TPP	Madhya Pradesh	WR	1	600	24/02/2013	4	N	N	Y	Y	N	31/12/2020			

111	Jaiprakash Power Venture Ltd	NIGRI TPP	Madhya Pradesh	WR	1	660	29/08/2014	2	N	N	Y	Y	N	30/06/2020			
112	Jaiprakash Power Venture Ltd	NIGRI TPP	Madhya Pradesh	WR	2	660	27/02/2015	2	N	N	Y	Y	N	30/09/2020			
113	Jhabua Power Ltd.	SEIONI TPP	Madhya Pradesh	WR	1	600	22/03/2016	1	N	N	Y	Y	N	31/03/2020			
114	MB Power	ANUPPUR TPP	Madhya Pradesh	WR	1	600	20/04/2015	2	N	N	Y	Y	N	31/03/2022			
115	MB Power	ANUPPUR TPP	Madhya Pradesh	WR	2	600	30/03/2016	1	N	N	Y	Y	N	30/06/2022			
116	MPPGCL	AMARKANTAK EXT TPS	Madhya Pradesh	WR	5	210	15/06/2008	9	N	N	Y	Y	Y			PARTIAL FGD	
117	MPPGCL	SANJAY GANDHI TPS	Madhya Pradesh	WR	1	210	26/03/1993	24	N	N	Y	Y	Y			PARTIAL FGD	
118	MPPGCL	SANJAY GANDHI TPS	Madhya Pradesh	WR	2	210	27/03/1993	24	N	N	Y	Y	Y			PARTIAL FGD	
119	MPPGCL	SANJAY GANDHI TPS	Madhya Pradesh	WR	3	210	28/02/1999	18	N	N	Y	Y	Y	30/06/2021			
120	MPPGCL	SANJAY GANDHI TPS	Madhya Pradesh	WR	5	500	18/06/2007	10	N	N	Y	Y	Y	31/03/2021			
121	MPPGCL	SATPURA TPS	Madhya Pradesh	WR	10	250	22/03/2013	4	N	N	Y	Y	Y	30/09/2020			
122	MPPGCL	SATPURA TPS	Madhya Pradesh	WR	11	250	25/12/2013	3	N	N	Y	Y	Y	30/06/2020			
123	MPPGCL	SHRI SINGHAJI TPP	Madhya Pradesh	WR	1	600	18/11/2013	3	N	N	Y	Y	N	31/03/2020			
124	MPPGCL	SHRI SINGHAJI TPP	Madhya Pradesh	WR	2	600	15/10/2014	2	N	N	Y	Y	N	31/12/2019			
125	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	1	210	10/10/1987	29	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
126	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	2	210	23/07/1988	28	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
127	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	3	210	03/02/1989	28	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
128	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	4	210	26/12/1989	27	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
129	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	5	210	31/03/1990	27	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
130	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	6	210	01/02/1991	26	N	N	N	N	Y	31/03/2021	TO BE PHASED OUT		
131	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	7	500	03/03/1999	18	N	N	N	N	N	31/03/2021	TO BE PHASED OUT		
132	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	8	500	26/02/2000	17	N	N	N	N	N	31/03/2021	TO BE PHASED OUT		
133	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	9	500	27/07/2006	####	N	N	Y	Y	Y			FGD POSSIBLE	
134	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	10	500	08/03/2007	9.82	N	N	Y	Y	Y			FGD POSSIBLE	
135	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	11	500	14/06/2012	4.55	N	N	Y	Y	N			FGD POSSIBLE	
136	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	12	500	22/03/2013	3.78	N	N	Y	Y	N			FGD POSSIBLE	
137	NTPC	VINDHYACHAL STPS	Madhya Pradesh	WR	13	500	06/08/2015	1.41	Y	N	N/A	N/A	N				
138	Reliance Power Ltd	SASAN UMTTP	Madhya Pradesh	WR	1	660	30/05/2013	4	N	N	Y	Y	N	30/09/2021			
139	Reliance Power Ltd	SASAN UMTTP	Madhya Pradesh	WR	2	660	18/12/2013	3	N	N	Y	Y	N	30/06/2021			
140	Reliance Power Ltd	SASAN UMTTP	Madhya Pradesh	WR	3	660	21/05/2014	3	N	N	Y	Y	N	31/03/2022			
141	Reliance Power Ltd	SASAN UMTTP	Madhya Pradesh	WR	4	660	25/03/2014	3	N	N	Y	Y	N	31/03/2022			

142	Reliance Power Ltd	SASAN UMTTP	Madhya Pradesh	WR	5	660	24/08/2014	2	N	N	Y	Y	N	31/12/2021			
143	Reliance Power Ltd	SASAN UMTTP	Madhya Pradesh	WR	6	660	19/03/2015	2	N	N	Y	Y	N	30/09/2021			
144	Abhijeetb MADC Nagpur Enery P L	MIHAN TPS	Maharashtra	WR	1	246	09/02/2012	5	N	Y	N/A	N/A	N				
145	Adani Power Maharashtra Ltd	TIRORA TPS	Maharashtra	WR	1	660	11/09/2012	4	N	N	Y	Y	N	31/03/2022			
146	Adani Power Maharashtra Ltd	TIRORA TPS	Maharashtra	WR	2	660	25/03/2013	4	N	N	Y	Y	N	31/12/2021			
147	Adani Power Maharashtra Ltd	TIRORA TPS	Maharashtra	WR	3	660	10/06/2013	4	N	N	Y	Y	N	30/09/2021			
148	Adani Power Maharashtra Ltd	TIRORA TPS	Maharashtra	WR	4	660	23/03/2014	3	N	N	Y	Y	N	30/06/2021			
149	Adani Power Maharashtra Ltd	TIRORA TPS	Maharashtra	WR	5	660	25/09/2014	2	N	N	Y	Y	N	31/03/2021			
150	BSES Pvt.	DAHANU TPS	Maharashtra	WR	1	250	06/01/1995	22	Y	N	N/A	N/A	N				
151	BSES Pvt.	DAHANU TPS	Maharashtra	WR	2	250	29/03/1995	22	Y	N	N/A	N/A	N				
152	Dhariwal Infrastructure	DHARIWAL TPP	Maharashtra	WR	1	300	03/11/2013	3	N	N	Y	Y	N			FGD POSSIBLE	
153	Dhariwal Infrastructure	DHARIWAL TPP	Maharashtra	WR	2	300	28/05/2014	3	N	N	Y	Y	N	31/03/2022			
154	GMR emco ENERGY ltd	EMCO WARORA TPS	Maharashtra	WR	1	300	07/02/2013	4	N	N	Y	Y	N	31/03/2022			
155	GMR emco ENERGY ltd	EMCO WARORA TPS	Maharashtra	WR	2	300	27/08/2013	3	N	N	Y	Y	N	31/03/2022			
156	Gupta Energy P L	GEPL TPP Ph-I	Maharashtra	WR	1	60	28/04/2012	5	N	N	N	N	Y	31/03/2018	TO BE PHASED OUT		
157	Gupta Energy P L	GEPL TPP Ph-I	Maharashtra	WR	2	60	08/09/2012	4	N	N	N	N	Y	31/03/2018	TO BE PHASED OUT		
158	Ideal Energy Projects Ltd.	BELA TPS	Maharashtra	WR	1	270	20/03/2013	4	N	N	Y	Y	Y	31/03/2022			
159	JSW Energy(Ratnagiri)	JSW RATNAGIRI TPP	Maharashtra	WR	1	300	24/08/2010	6	Y	N	N/A	N/A	N				
160	JSW Energy(Ratnagiri)	JSW RATNAGIRI TPP	Maharashtra	WR	2	300	09/12/2010	6	Y	N	N/A	N/A	N				
161	JSW Energy(Ratnagiri)	JSW RATNAGIRI TPP	Maharashtra	WR	3	300	06/05/2011	6	Y	N	N/A	N/A	N				

162	JSW Energy(Ratnagiri)	JSW RATNAGIRI TPP	Maharashtra	WR	4	300	08/10/2011	5	Y	N	N/A	N/A	N				
163	MAHAGENCO	BHUSAWAL TPS	Maharashtra	WR	2	210	30/08/1979	37	N	N	Y	Y	Y			PARTIAL FGD	
164	MAHAGENCO	BHUSAWAL TPS	Maharashtra	WR	3	210	18/09/1982	34	N	N	Y	Y	N			PARTIAL FGD	
165	MAHAGENCO	BHUSAWAL TPS	Maharashtra	WR	4	500	07/03/2012	5	N	N	Y	Y	Y			PARTIAL FGD	
166	MAHAGENCO	BHUSAWAL TPS	Maharashtra	WR	5	500	30/03/2012	5	N	N	Y	Y	Y			PARTIAL FGD	
167	MAHAGENCO	CHANDRAPUR STPS	Maharashtra	WR	3	210	03/05/1985	32	N	N	Y	Y	N			FGD POSSIBLE	
168	MAHAGENCO	CHANDRAPUR STPS	Maharashtra	WR	4	210	08/03/1986	31	N	N	Y	Y	N			FGD POSSIBLE	
169	MAHAGENCO	CHANDRAPUR STPS	Maharashtra	WR	5	500	22/03/1991	26	N	N	Y	Y	N			FGD POSSIBLE	
170	MAHAGENCO	CHANDRAPUR STPS	Maharashtra	WR	6	500	11/03/1992	25	N	N	Y	Y	N			FGD POSSIBLE	
171	MAHAGENCO	CHANDRAPUR STPS	Maharashtra	WR	7	500	01/10/1997	19	N	N	Y	Y	N			FGD POSSIBLE	
172	MAHAGENCO	CHANDRAPUR STPS	Maharashtra	WR	8	500	29/03/2015	2	N	N	Y	Y	Y	31/12/2021			
173	MAHAGENCO	CHANDRAPUR STPS	Maharashtra	WR	9	500	21/03/2016	1	N	N	Y	Y	N	31/03/2020			
174	MAHAGENCO	KHAPARKHEDA TPS	Maharashtra	WR	1	210	26/03/1989	28	N	N	Y	Y	Y			FGD POSSIBLE	
175	MAHAGENCO	KHAPARKHEDA TPS	Maharashtra	WR	2	210	08/01/1990	27	N	N	Y	Y	Y			FGD POSSIBLE	
176	MAHAGENCO	KHAPARKHEDA TPS	Maharashtra	WR	3	210	31/05/2000	17	N	N	Y	Y	Y			FGD POSSIBLE	
177	MAHAGENCO	KHAPARKHEDA TPS	Maharashtra	WR	4	210	07/01/2001	16	N	N	Y	Y	N			FGD POSSIBLE	
178	MAHAGENCO	KHAPARKHEDA TPS	Maharashtra	WR	5	500	05/08/2011	5	N	N	Y	Y	N			FGD POSSIBLE	
179	MAHAGENCO	KORADI TPS	Maharashtra	WR	6	210	30/03/1982	35	N	N	Y	Y	N			PARTIAL FGD	
180	MAHAGENCO	KORADI TPS	Maharashtra	WR	7	210	13/01/1983	34	N	N	Y	Y	Y			PARTIAL FGD	
181	MAHAGENCO	KORADI TPS	Maharashtra	WR	8	660	30/03/2015	2	N	N	Y	Y	N			FGD POSSIBLE	
182	MAHAGENCO	KORADI TPS	Maharashtra	WR	9	660	15/03/2016	1	N	N	Y	Y	N			FGD POSSIBLE	
183	MAHAGENCO	NASIK TPS	Maharashtra	WR	3	210	26/04/1979	38	N	N	Y	Y	N			PARTIAL FGD	
184	MAHAGENCO	NASIK TPS	Maharashtra	WR	4	210	10/07/1980	37	N	N	Y	Y	Y			PARTIAL FGD	
185	MAHAGENCO	NASIK TPS	Maharashtra	WR	5	210	30/01/1981	36	N	N	Y	Y	Y			PARTIAL FGD	
186	MAHAGENCO	PARAS TPS	Maharashtra	WR	3	250	31/05/2007	10	N	N	N	N	Y			NORMS COMPLIANT	
187	MAHAGENCO	PARAS TPS	Maharashtra	WR	4	250	27/03/2010	7	N	N	N	N	Y			NORMS COMPLIANT	
188	MAHAGENCO	PARLI TPS	Maharashtra	WR	4	210	26/03/1985	32	N	N	Y	Y	Y			PARTIAL FGD	
189	MAHAGENCO	PARLI TPS	Maharashtra	WR	5	210	31/12/1987	29	N	N	Y	Y	N			PARTIAL FGD	
190	MAHAGENCO	PARLI TPS	Maharashtra	WR	6	250	16/02/2007	10	N	N	Y	Y	Y			PARTIAL FGD	
191	MAHAGENCO	PARLI TPS	Maharashtra	WR	7	250	10/02/2010	7	N	N	Y	Y	Y			PARTIAL FGD	
192	MAHAGENCO	PARLI TPS	Maharashtra	WR	8	250	30/03/2016	1	N	N	Y	Y	N			PARTIAL FGD	
193	NTPC	MOUDA TPS	Maharashtra	WR	1	500	19/04/2012	5	N	N	Y	Y	N	31/12/2021			
194	NTPC	MOUDA TPS	Maharashtra	WR	2	500	29/03/2013	4	N	N	Y	Y	Y	30/06/2021			
195	NTPC	MOUDA TPS	Maharashtra	WR	3	660	28/03/2016	1	N	N	Y	Y	Y	31/12/2020			
196	Ratan Power	AMARAVATI TPS	Maharashtra	WR	1	270	25/03/2013	4	N	N	Y	Y	N				
197	Ratan Power	AMARAVATI TPS	Maharashtra	WR	2	270	17/02/2014	3	N	N	Y	Y	N				
198	Ratan Power	AMARAVATI TPS	Maharashtra	WR	3	270	29/01/2015	2	N	N	Y	Y	N				

199	Ratan Power	AMARAVATI TPS	Maharashtra	WR	4	270	04/03/2015	2	N	N	Y	Y	N				
200	Ratan Power	AMARAVATI TPS	Maharashtra	WR	5	270	12/03/2015	2	N	N	Y	Y	N				
201	Ratan Power	NASIK (P) TPS	Maharashtra	WR	1	270	25/02/2014	3	N	N	Y	Y	N			PARTIAL FGD	
202	Ratan Power	NASIK (P) TPS	Maharashtra	WR	2	270	15/02/2017	3	N	N	Y	Y	N				
203	TATA Power Co.	TROMBAY TPS	Maharashtra	WR	5	500	25/01/1984	33	Y	N	N/A	N/A	Y				
204	TATA Power Co.	TROMBAY TPS	Maharashtra	WR	8	250	26/03/2009	8	Y	N	N/A	N/A	N				
205	Vidarbha Industries Ltd	BUTIBORI TPP	Maharashtra	WR	1	300	17/08/2012	4	N	N	Y	Y	N	30/06/2021			
206	Vidarbha Industries Ltd	BUTIBORI TPP	Maharashtra	WR	2	300	19/03/2013	4	N	N	Y	Y	N	31/03/2021			
207	Wardha P C P L	WARDHA WARORA TPP	Maharashtra	WR	1	135	05/06/2010	7	N	N	Y	Y	N	31/12/2021			
208	Wardha P C P L	WARDHA WARORA TPP	Maharashtra	WR	2	135	10/10/2010	6	N	N	Y	Y	N	31/12/2021			
209	Wardha P C P L	WARDHA WARORA TPP	Maharashtra	WR	3	135	21/01/2011	6	N	N	Y	Y	N	30/09/2021			
210	Wardha P C P L	WARDHA WARORA TPP	Maharashtra	WR	4	135	30/04/2011	6	N	N	Y	Y	N	30/09/2021			

Annexure 8.3B

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)



पश्चिम क्षेत्र भार प्रेषण केन्द्र

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

WESTERN REGIONAL LOAD DESPATCH CENTRE

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

Ref: WRLDC/SO-I/2017/6/1708

5th July 2017

To,

Member Secretary,

WRPC,

Mumbai.

प. क्ष. वि. स. मुंबई /WRPC
भावक संख्या /Inward No. 1021
दिनांक /Date: 6/7/17

Subject: Status of Availability and Actual Response of RGMO/FGMO in Western Region

Sir,

This is in reference to your letter dated 19th June 2017 (Ref: WRPC/RGMO-FGMO/2017/873) regarding RGMO/FGMO compliance by generators in Western Region. The list of Regional Entity Generating Stations that are mandated to operate in RGMO/FGMO as per IEGC is enclosed as Annex-I. Summary is as under.

Ownership	Regional Entity		Units mandated to operate under RGMO/FGMO as per IEGC as on date		Units in Gas Power Stn. that are mandated to operate under RGMO/FGMO as per IEGC w.e.f 01.10.17	
	No. of Units	Capacity (MW)	No. of Units	Capacity (MW)	No. of Units	Capacity (MW)
Central Sector	66	19070	41	13950	19	3282
Private Sector	55	25550	46	23920	3	1200
	121	44620	87	37870	22	4480

The Frequency Response Characteristics of Central Generating Stations (CGS) and IPPs for three grid events that occurred on 5th March'17, 13th April'17 and 26th April'17 is enclosed as Annex-II. The computation was done as per the procedure approved by CERC vide its order 47/MP/2012 dated 03.05.2013.

The response of major generating units are being shared regularly in the WR-OCC meetings also. Relevant extracts of the WR-OCC meeting 492, 493, 494, 495 and 496 are enclosed as Annexure-III.

Thanking you,

Yours faithfully,

(V.K. Shrivastava)
General Manager

- Copy:
1. Chief Engineer (LD), MSETCL, Kalwa
 2. Chief Engineer (LD), MPPTCL, Jabalpur
 3. Chief Engineer (LD), GETCO, Gatri
 4. Chief Engineer (LD), CSPTCL, Raipur

स्वहित एवं राष्ट्र हित में ऊर्जा बचाये

Save Energy for Benefit of Self and Nation

पंजीकृत कार्यालय : बी-9, कुतब इन्स्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110 016 दूरभाष : 011-26560121 फैक्स : 26601081
Registered Office : B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110 016, Tel.: 011-26560121 Fax : 26601081

1/23

A. Generators mandated to Operate in RGMO/FGMO as per IEGC:

S.No	Owner	Station	Unit Number	Unit Capacity (MW)
1	ACBIL	MCCPL	1	300
2	Avanta Power	Jhabua	1	600
3	BALCO	BALCO	1	300
4	BALCO	BALCO	2	300
5	BALCO	BALCO	2	300
6	BALCO	BALCO	4	300
7	DB POWER	DB-Power	1	600
8	DB POWER	DB-Power	2	600
9	Dhariwal-Infra	Dhariwal	1	300
10	Essar	Essar Mahan	1	600
11	GMR	GMR Raipur	1	685
12	GMR	GMR Raipur	2	685
13	GMR	GMR Warora	1	300
14	GMR	GMR Warora	2	300
15	Hindustan Power	MB-Power	1	600
16	Hindustan Power	MB-Power	2	600
17	Jaypee	JP-Nigrie	1	660
18	Jaypee	JP-Nigrie	2	660
19	JPL	JPL-I	1	250
20	JPL	JPL-I	2	250
21	JPL	JPL-I	3	250
22	JPL	JPL-I	4	250
23	JPL	JPL-II	1	600
24	JPL	JPL-II	2	600
25	JPL	JPL-II	3	600
26	JPL	JPL-II	4	600
27	KSK	KSK Mahanadi	1	600
28	KSK	KSK Mahanadi	2	600
29	KWPCL	KWPCL	1	600
30	LANCO	Lanco Pathadi	1	300
31	LANCO	Lanco Pathadi	1	300
32	NSPCL	NSPCL	1	250
33	NSPCL	NSPCL	2	250
34	NTPC	KSTPS-I	1	200
35	NTPC	KSTPS-I	2	200
36	NTPC	KSTPS-I	3	200
37	NTPC	KSTPS-II	4	500
38	NTPC	KSTPS-II	5	500

S.No	Owner	Station	Unit Number	Unit Capacity (MW)
39	NTPC	KSTPS-II	6	500
40	NTPC	KSTPS-III	7	500
41	NTPC	Mouda-I	1	500
42	NTPC	Mouda-I	2	500
43	NTPC	Mouda-II	3	660
44	NTPC	Sipat-I	1	660
45	NTPC	Sipat-I	2	660
46	NTPC	Sipat-I	3	660
47	NTPC	Sipat-II	4	500
48	NTPC	Sipat-II	5	500
49	NTPC	VSTPS-I	1	210
50	NTPC	VSTPS-I	2	210
51	NTPC	VSTPS-I	3	210
52	NTPC	VSTPS-I	4	210
53	NTPC	VSTPS-I	5	210
54	NTPC	VSTPS-I	6	210
55	NTPC	VSTPS-II	7	500
56	NTPC	VSTPS-II	8	500
57	NTPC	VSTPS-III	9	500
58	NTPC	VSTPS-III	10	500
59	NTPC	VSTPS-IV	11	500
60	NTPC	VSTPS-IV	12	500
61	NTPC	VSTPS-V	13	500
62	Reliance	Sasan_UMPP	1	660
63	Reliance	Sasan_UMPP	2	660
64	Reliance	Sasan_UMPP	3	660
65	Reliance	Sasan_UMPP	4	660
66	Reliance	Sasan_UMPP	5	660
67	Reliance	Sasan_UMPP	6	660
68	RKM	RKM	1	360
69	RKM	RKM	2	360
70	SSNL	SSP CHPH (Hy)	1	50
71	SSNL	SSP CHPH (Hy)	2	50
72	SSNL	SSP CHPH (Hy)	3	50
73	SSNL	SSP CHPH (Hy)	4	50
74	SSNL	SSP CHPH (Hy)	5	50
75	SSNL	SSP RBPH (Hy)	1	200
76	SSNL	SSP RBPH (Hy)	2	200
77	SSNL	SSP RBPH (Hy)	3	200
78	SSNL	SSP RBPH (Hy)	4	200
79	SSNL	SSP RBPH (Hy)	5	200

S.No	Owner	Station	Unit Number	Unit Capacity (MW)
80	SSNL	SSP RBPH (Hy)	6	200
81	TATA	CGPL	10	830
82	TATA	CGPL	20	830
83	TATA	CGPL	30	830
84	TATA	CGPL	40	830
85	TATA	CGPL	50	830
86	TRN	TRN	1	300
87	TRN	TRN	2	300
Total				37870

B. Gas Stations mandated to operate in RGMO/FGMO w.e.f 1st Oct 2017:

S.No	Owner	Station	Unit Number	Unit Capacity (MW)
1	NTPC	Gandhar GT	1	144.3
2	NTPC	Gandhar GT	2	144.3
3	NTPC	Gandhar GT	3	144.3
4	NTPC	Gandhar ST	1	224.49
5	NTPC	Kawas GT	1	106
6	NTPC	Kawas GT	2	106
7	NTPC	Kawas GT	3	106
8	NTPC	Kawas GT	4	106
9	NTPC	Kawas ST	1	116
10	NTPC	Kawas ST	2	116
11	RGPPL	RGPPL-I GT	1	205
12	RGPPL	RGPPL-I GT	2	205
13	RGPPL	RGPPL-I ST	1	230
14	RGPPL	RGPPL-II GT	1	213
15	RGPPL	RGPPL-II GT	2	213
16	RGPPL	RGPPL-II ST	1	237.54
17	RGPPL	RGPPL-III GT	1	213
18	RGPPL	RGPPL-III GT	2	213
19	RGPPL	RGPPL-III ST	1	237.55
20	Torrent	DGEN	1	400
21	Torrent	DGEN	2	400
22	Torrent	DGEN	3	400
Total				4480.48

C. Generators not mandated to operate in RGMO/FGMO as per IEGC:

S.No	Owner	Station	Unit Number	Unit Capacity (MW)
1	ACBIL	ACBIL	1	135
2	ACBIL	ACBIL	2	135
3	ACBIL	Spectrum	1	50
4	ACBIL	Spectrum	2	50
5	ACBIL	ACBIL	1	30
6	ACBIL	ACBIL	2	30
7	NPCIL	Kakarapar APS	1	220
8	NPCIL	Kakarapar APS	2	220
9	NPCIL	Tarapur APS	1	160
10	NPCIL	Tarapur APS	2	160
11	NPCIL	Tarapur APS	3	540
12	NPCIL	Tarapur APS	4	540
Total				2270

A. Frequency Response Characteristic (FRC) of Central Sector Thermal Generating Stations

Event			Event-1		Event-2		Event-3	
Region-Generation Loss (-ve)/Load Loss (+ve)			SR: (-)1000 MW		WR: (+) 1840 MW		WR: (+) 900 MW	
Date & Time			05-03-2017, 3:14:30 PM		13-04-2017, 9:35:10 AM		26-04-2017, 10:01:40 AM	
Frequency before Event (Hz)			50.08		50.01		50.05	
Frequency after Event (Hz)			49.98		50.19		50.25	
Frequency Difference (Hz)			-0.11		0.18		0.20	
S No.	Station	Installed Capacity (MW)	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event
			A	B	C	D	E	F
1	KSTPS-II	3x500	1471	25	1519	174	1406	123
2	VSTPS-III	2x500	986	41	1032	27	1018	7
3	VSTPS-II	2x500	989	0	990	22	983	5
4	SIPAT-II	2x500	895	151	959	-23	972	22
5	KSTPS-III	1x500	463	21	462	-4	455	7
6	NSPCL	2x250	327	23	472	0	428	3
7	SIPAT-I	3x660	1804	124	1898	68	1885	-21
8	VSTPS-IV	2x500	954	37	483	11	792	-5
9	VSTPS-V	1x500	474	19	484	33	477	-5
10	VSTPS-I	6x210	1232	-26	1231	0	989	7
11	Mouda	2x500	612	237	910	-31	785	-18
12	KSTPS-I	3x200	566	-11	596	0	415	0
13	Mouda-II	1x660	411	-14	0	0	445	-11
	Total	12500	11184	626	11035	277	11050	114

B. Frequency Response Characteristic (FRC) of Private Sector Thermal Generating Stations

Event			Event-1		Event-2		Event-3	
Region-Generation Loss (-ve)/Load Loss (+ve)			SR: (-)1000 MW		WR: (+) 1840 MW		WR: (+) 900 MW	
Date & Time			05-03-2017, 3:14:30 PM		13-04-2017, 9:35:10 AM		26-04-2017, 10:01:40 AM	
Frequency before Event (Hz)			50.08		50.01		50.05	
Frequency after Event (Hz)			49.98		50.19		50.25	
Frequency Difference (Hz)			-0.11		0.18		0.20	
S No.	Station	Installed Capacity (MW)	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event
			A	B	C	D	E	F
1	Sasan	6x660	3725	81	3778	15	3715	483
2	MB Power	2x600	360	151	551	1	548	51
3	Lanco	2x300	553	39	566	15	457	57
4	Essar Mahan	1x600	299	41	421	18	467	28
5	Dhariwal	1x300	145	0	287	6	291	6
6	JPL-I	4x250	621	21	908	11	729	-5
7	DB Power	2x600	686	3	1181	21	993	-30
8	BALCO	4x300	951	50	801	-9	928	-27
9	GMR Warora	2x300	519	21	524	0	266	0
10	JPL-II	4x600	568	78	585	0	584	-15
11	KWPCL	1x600	0	0	567	-38	370	-10
12	CGPL	5x830	3639	-26	2226	-39	2925	-31
13	JP Nigrie	2x660	314	-2	1252	0	1065	-6
14	KSK	2x600	243	0	495	0	495	0
15	GMR Raipur	2x685	446	0	0	0	0	0
16	Jhabua	1x600	0	0	0	0	0	0
17	MCPL	1x300	0	0	0	0	0	0
18	RKM	2x360	0	0	0	0	0	0
19	TRN	2x300	0	0	0	0	0	0
	Total	23920	13068	458	14142	1	13833	502

C. Frequency Response Characteristic (FRC) of ISGS (Hydro)

Event			Event-1		Event-2		Event-3	
Region-Generation Loss (-ve)/Load Loss (+ve)			SR: (-)1000 MW		WR: (+) 1840 MW		WR: (+) 900 MW	
Date & Time			05-03-2017, 3:14:30 PM		13-04-2017, 9:35:10 AM		26-04-2017, 10:01:40 AM	
Frequency before Event (Hz)			50.08		50.01		50.05	
Frequency after Event (Hz)			49.98		50.19		50.25	
Frequency Difference (Hz)			-0.11		0.18		0.20	
S No.	Station	Installed Capacity (MW)	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event	Ex-bus injection by the Station just before the Event (MW)	FRC (MW/Hz) of the Station for the event
			A	B	C	D	E	F
1	SSP RBPH	6x200	0	0	0	0	0	0
2	SSP CHPH	5x50	Telemetry Not Available					
	Total	1450	0					

Note:

1. FRC computations has been done as per the CERC approved procedure
2. WRLDC SCADA data of HV side of the generator transformer has been used for computation of station injection
3. +Ve value of FRC indicates that the generating station is contributing in frequency control whereas -Ve value of FRC indicates that generating station is not contributing in frequency control



पावर ग्रिड कार्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)



765/400 K.V. पूलिंग केन्द्र, 22 कि.मी. माईल स्टोन, ग्राम-मेडेसरा
765/400 K.V. Pooling Station, 22 k.m. Mile Stone, Vill-Medesara
तह.-धमधा, जिला-दुर्ग (छ.ग.) पिन कोड- 490036
Teh.-Dhamdha, Distt.-Durg (C.G.) Pin Code-490036
दूरभाष क्रमांक/Phone No.- 07821-292600

Ref: WRTS-I/765/400 K.V.P.S. Durg/WRPC

Date: 06/07/17

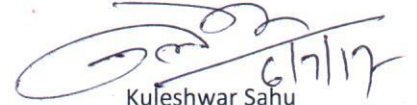
To,
Member Secretary
WRPC, Plot no F-3, MIDC Area,
Marol, Opp -SEEPZ, Andheri (East)
Mumbai 400093

Subject :- Requirement of additional 765kV Bus reactor at Durg PS – 496th OCC Minutes-para 8.13

Dear Sir,

This is in reference to minutes of 496th OCC, para 8.13, POWERGRID has submitted all available voltage profile of Durg PS . As POWERGRID does not have system feasibility study data as mentioned in minutes , the same may be submitted by WRLDC , which will also have more authentic for OCC members .

Encl- OCC agenda submitted earlier by POWERGRID Durg PS


Kuleshwar Sahu
Asst GM-Durg PS

CC

- 1) GM-AM, RHQ, Nagpur - For kind information pl

Power System Operation Corporation Ltd.

497 OCC Meeting

At WRPC, Mumbai
20th July, 2017
Grid Operation Highlights

WRPC/PO/000

WR seasonal Demand (daily max.) Plot 2016-17 to 2017-18

Regional Demand Met in June'17

Maximum: **48814 MW**
(3rd June 2017, 15:00 hrs)

Minimum: **33792 MW**
(30th June 2017, 04:00 hrs)

- 1.17 % increment in Average Demand compared to last year

Demand Met	Jun-17	May-17	Jun-16	% Change w.r.t last month	% Change w.r.t last Year
Average	41152	46002	40676	-10.54	1.17
Max	48814	50747	46031	-3.81	6.05
Date when Max.	3-Jun-17	24-May-17	7-Jun-16	~	~

So far Highest Demand achieved by Gujarat 15874 MW on 3rd June 2017.

DAILY CONSUMPTION OF WESTERN REGION (2016-17 TO 2017-18)

Maximum Energy Consumption in the month
1073 MU
on 1st June 2017

Minimum Energy Consumption in the month :
874 MU
on 30th June 2017

Energy Consumption MU/Day	Jun-17	May-17	Jun-16	% Change w.r.t last month	% Change w.r.t last Year
Average	988	1104	976	-10.54	1.17
Max	1073	1196	1039	-5.51	3.32
Date When Max.	1-Jun-17	24-May-17	1-Jun-16	~	~

Frequency Profile for June.2017

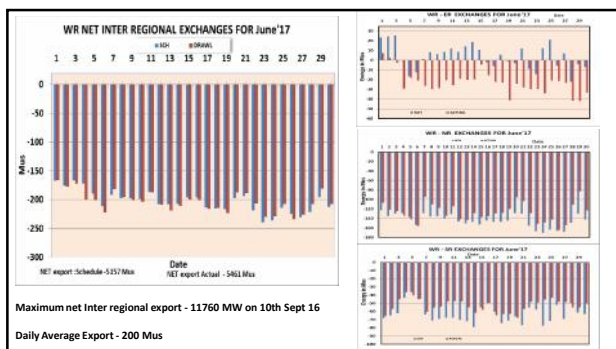
Frequency Range	%
<49.9	5.98
49.9-50.05	75.55
>50.05	18.47

WR Demand Vs Frequency on Max Freq Day- 19.06.2017

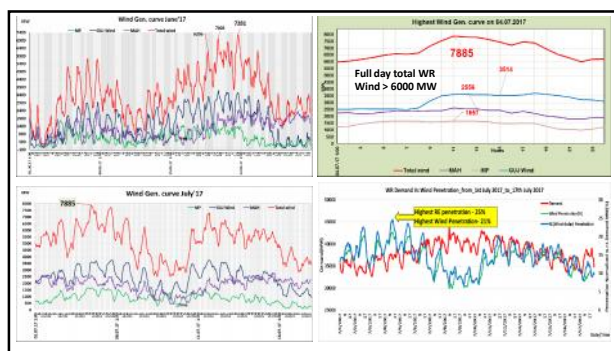
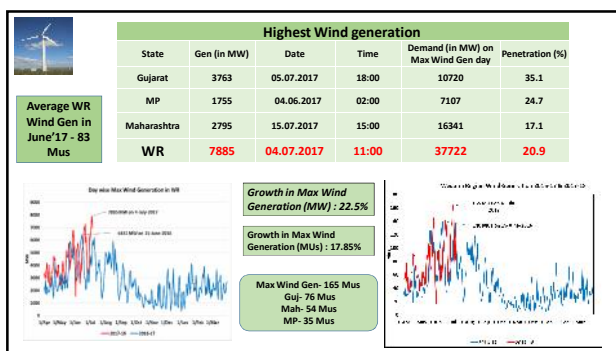
WR Demand Vs Frequency on Min Freq day 2nd June 2017

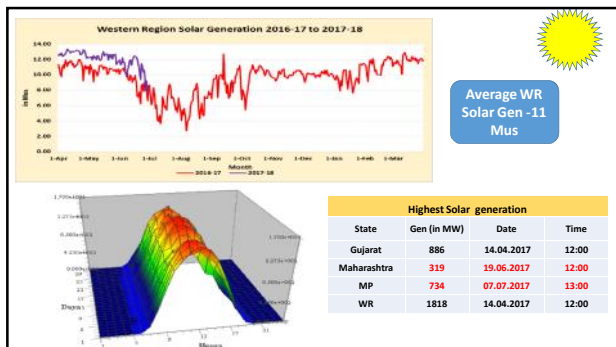
Max. inst. freq	50.24 Hz	on 19th June at 18:46:20 hrs
Min. inst. freq	49.72 Hz	on 2nd June at 22:11:40 hrs
Avg Freq of the month	50.00 Hz	

On 17th July Frequency was in IEGC band for 88.18% of time.
FVI- 0.023

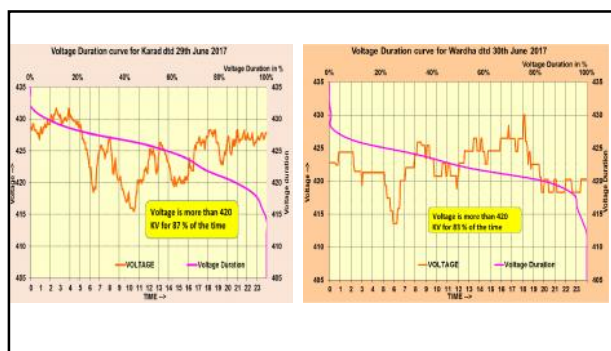
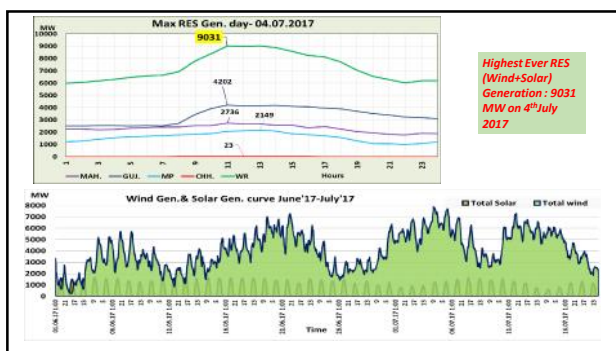


Renewables in Western Region





Wind & Solar Details in WR- June '17								
Wind Gen-June'17								
Constituent	Installed Capacity(MW)	Max Generation in June'17(MW)	So far highest Generation (MW)	Wind Energy Generation(MU)	Energy Consumption (MU)	Penetration level (in %)	PLF(%)	CUF(%)
Gujarat	5348	3690	3763 on 05.07.2017 at 18:00 hrs	1126	9399	11.98	29	69
Maharashtra	4769	2849	2849 on 23.06.2017 at 17:00 hrs	899	12160	7.39	26	60
Madhya Pradesh	2428	1755	1755 on 04.06.2017 at 02:00 hrs	466	4840	9.64	27	72
WR	12545	7281	7885 on 04.07.2017 at 11:00 hrs	2491	29834	8.35	28	58
Solar Gen-June'17								
Constituent	Installed Capacity(MW)	Max Generation in June'17(MW)	So far highest Generation (MW)	Solar Energy Generation(MU)	Energy Consumption (MU)	Penetration level (in %)	PLF(%)	CUF(%)
Gujarat	1230	830	886 on 14.04.2017 at 12:00 hrs	154	9399	1.64	35	67
Maharashtra	383	319	319 on 19.06.2017 at 12:00 hrs	47	12160	0.39	34	83
Madhya Pradesh	976	667	734 on 07.07.2017 at 13:00 hrs	126	4840	2.61	36	68
Chhattisgarh	76	48	53 on 25.02.2017 at 12:00hrs	7	2245	0.31	26	63
WR	2665	1649	1818 on 14.04.2017 at 12:00 hrs	334	29834	1.12	35	62



Study of Proposal of BR at 765 kV Durg and LR & BR at 400 kV Dhule

Sub-Stations	BR capacity	Voltage relief
765kV Durg	240 MVAR BR	3-4 kV

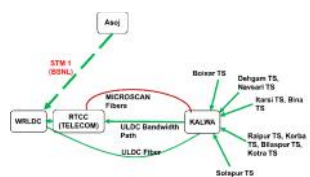
Voltage relief at other 765 kV Buses

Station	240 MVAR BR at Durg		
	Pre	Post	Change
Durg	787.3	783.6	-3.7
Champa	778.8	777.5	-1.3
Kotra	775.8	774.7	-1.1
Wardha	801.1	799.6	-1.5
Durg 400kV	409.9	408.5	-1.4

Agenda

9.1 STM-1 communication link between WRLDC and Asoj

- Importance of STM-1 between WRLDC and Asoj is being emphasized since March'17
- So far on three occasions entire visibility of 55000 MW was lost (Recent being during fire in WRTCC).**
- During last OCC POWERGRID indicated that the same will be commissioned by 10th July'17.
- POWERGRID to apprise Current Status**



9.2 Hot line voice communication between WRLDC and Substations/Generating Stations

Entity	WRI			Total	WRA			Total
	Integrated	Not Working	Not Integrated		Integrated	Not Working	Not Integrated	
	Working	Not Working	Integrated		Working	Not Working	Integrated	
POWERGRID	17	0	3	20	14	1	9	24
IPP	2	0	13	15	0	0	6	6
ISGS	2	0	4	6	2	0	9	11
OTHERS	0	0	1	1	0	0	1	1
OVERALL	21	0	21	42	16	1	25	42

- Communication between SLDC and RLDC are working on single channel only. Backup channel on E1 was not commissioned.
 - Goa SLDC at Madgao started functioning from 9th May 2017 but hot line phone is not working
- POWERGRID to update the progress**

9.3 Primary Response by Generators

List of Generators, % frequency response is >10%

S.No	Generator/Station	Event-1	Event-2	Event-3	Average Response
		NR-2000	WR-1400	NR-1500	
		20-05-17 20:06:30	23-05-17 17:42:50	27-06-17 00:15:20	
		50.10	49.96	49.95	
		49.89	49.81	50.12	
		-0.20	-0.15	0.17	
		Response as % of Ideal	Response as % of Ideal	Response as % of Ideal	
1	TRN (1x300)	0%	0%	88%	29%
2	MB Power(1x600)	11%	12%	50%	24%
3	JPL Tamnar (Stage II)(3x600)	49%	17%	0%	22%
4	EMCCO (2x300)	35%	0%	22%	19%
5	Mouda-I(2x500)	19%	25%	13%	19%
6	BKRM (2x360)	0%	3%	50%	17%
7	P NIGRIE(2x600)	3%	13%	26%	14%
8	KSTPS-II(3x500)	16%	12%	9%	12%
9	Balco (4x300)	25%	8%	0%	11%
10	SASAN(6x660)	0%	16%	14%	10%
11	VSTPS-IV(2x500)	21%	0%	8%	10%

9.3 Primary Response by Generators

Generator/Station	Event-1	Event-2	Event-3	Average Response	
	NR-2000	WR-1400	NR-1500		
	20-05-17 20:06:30	23-05-17 17:42:50	27-06-17 00:15:20		
	50.10	49.96	49.95		
	49.89	49.81	50.12		
	-0.20	-0.15	0.17		
S.No	Response as % of Ideal	Response as % of Ideal	Response as % of Ideal	Average Response	
12	BIPAT-I(3x660)	19%	0%	6%	8%
13	BIPAT-II(2x500)	18%	7%	0%	8%
14	Lanco (2x300)	0%	10%	8%	6%
15	Essar Mahan(1x600)	0%	18%	0%	6%
16	SSP-NBPH (6x200)	0%	0%	13%	4%
17	CGPL(5x830)	4%	7%	3%	4%
18	NSPCL (2x250)	2%	8%	0%	3%
19	DB Power(1x600)	0%	1%	7%	3%
20	KSTPS-III(1x500)	6%	0%	0%	2%
21	VSTPS-II(2x500)	0%	5%	0%	2%
22	VSTPS-V(1x500)	0%	0%	3%	1%
23	VSTPS-I(6x210)	0%	2%	0%	1%
24	Mouda-II (1x660)	0%	0%	1%	0%
25	VSTPS-III(2x500)	0%	0%	0%	0%
26	KSK(2x660)	0%	0%	0%	0%
27	PL I (4x250)	0%	0%	0%	0%

List of Generators, % frequency response is <10%

Grey Zero Generation


9.3 Primary Response by Generators

- DB Power**
 - DB Power may apprise OCC actions being taken to avoid VWO (Valve Wide Open) Operation
- CGPL**
 - Primary Response is very sluggish.
 - Informed that issue was taken up with OEM
 - CGPL to update present status
- Sasan**
 - Primary Response calculated using WRLDC SCADA is negligible.
 - Sasan to address the SCADA related issue.

KWPCL & KSK to update the present status of correction of RGMO logic

9.4 Extension of RGMO status to SLDC / WRLDC

- As on 1st July 17
 - WRLDC integrated 100% of regional generators RGMO status in WRLDC SCADA.
- Wrong update of RGMO Status
 - KSTPS (U#1 & U#3)
 - VSTPS (U#4)
- SLDCs may update the current status of mapping of RGMO signals of State generators in SLDC SCADA.



9.5 Telemetry Issues

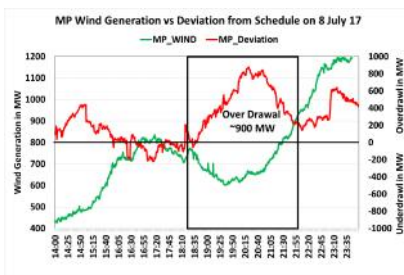
	IPPS/ISGS	Maharashtra
SCADA (Unreliable communication links/intermittent nodes)	1. Balco <ul style="list-style-type: none"> Communication link is GPRS Status of Primary link ? 	1. IEPL <ul style="list-style-type: none"> Data intermittent
	2. JP Nigrie <ul style="list-style-type: none"> Communication link is GPRS Status of Primary link ? 	2. Lonikhand-II <ul style="list-style-type: none"> No telemetry since commissioning
	3. Lanco <ul style="list-style-type: none"> Primary link is PLCC Secondary path is GPRS 	3. Tillari <ul style="list-style-type: none"> Data not available Miscalculation in drawl computations of Goa
		4. Goa <ul style="list-style-type: none"> No telemetry of Amona
		5. DNH <ul style="list-style-type: none"> No telemetry of DNH

9.6 Telemetry of Renewable Energy Sources in WR

- SCADA data from following Maharashtra wind stations reporting to WRLDC through FTP
- SCADA data Integration of Panama, ReGen, Gamesha, Continuum, Reliance and Tata is in progress
- SLDC Maharashtra to apprise latest status of RE telemetry integration

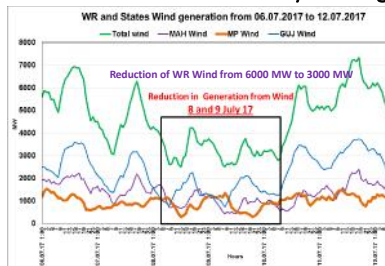
State/Region	RES Installed Capacity (Wind+Solar) in MW	Telemetered RES Capacity at WRLDC (Wind+Solar) in MW	% of RES Visibility/Observability at SLDC/WRLDC
Gujarat	6578 (5348+1230)	6566 (5339+1227)	99
Maharashtra	5145 (4769+376)	2842 (2452+390)	56
Madhya Pradesh	3404 (2428+976)	3362 (2393+968)	99
Chhattisgarh	76 (0+76)	66 (0+66)	87
Diu	9 (0+9)	0	0
Daman	1 (0+1)	0	0
WR	15072 (12545+2527)	12687 (10169+2518)	84

9.7 Maintaining reserves to handle grid contingencies, forecast errors and variability of RES generation

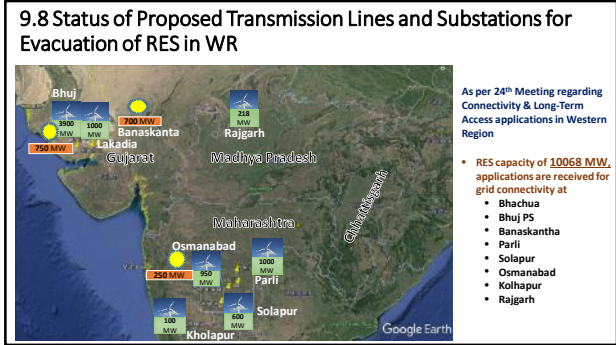


- Over Drawal of MP of ~900 MW
- Frequency: ~49.7 Hz
- No Preliminary actions for
 - Intermediate dry spell in the region
 - Reduction in generation from wind RES
 - Absence of adequate thermal capacity on bar
 - Restriction on generation from hydro stations

9.7 Maintaining reserves to handle grid contingencies, forecast errors and variability of RES generation



- As per the CERC suo motu orders, States have to maintain tertiary reserve of
- 330 MW in Maharashtra
 - 330 MW in Gujarat
 - 300 MW in Madhya Pradesh
 - 250 MW in Chhattisgarh
- OCC may deliberate on
- Ensuring real-time telemetry from RES in the State
 - Forecast of RES and demand by the SLDCs
 - Keeping thermal units on bar to maintain spinning reserve



9.8 Status of Proposed Transmission Lines and Substations for Evacuation of RES in WR

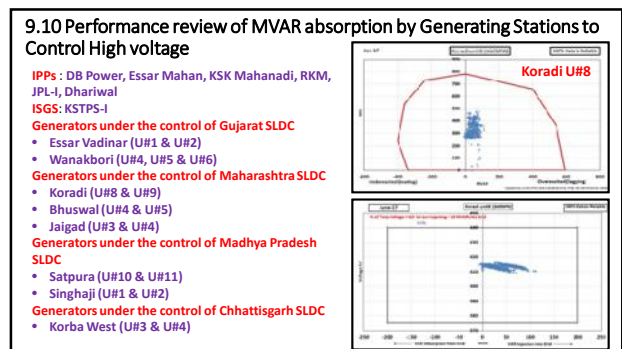
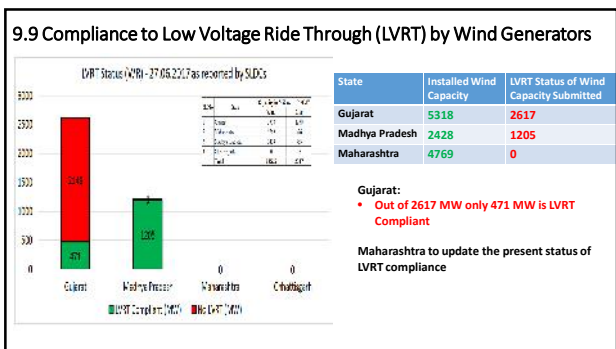
Proposed Transmission Schemes for Evacuation of RES

S.No	Area	Connectivity System
1	Bhachua	<ul style="list-style-type: none"> Establishment of 2x500MVA, 400/220kV Lakadia PS LILO of both circuits of Essar Power Gujarat Ltd. (EPGL) – Bhachau 400kV D/c (Triple) line at Lakadia PS
2	Bhuj PS	<ul style="list-style-type: none"> Bhuj PS (765/400/220kV)-Banaskantha PS (765kV)-Sankhari (400kV) Corridor or Bhuj PS (765/400/220kV)-Banaskantha PS (765kV)-Chittorgarh PS (765kV)-Chittorgarh (RVPN) (400kV) corridor.
3	Banaskantha	<ul style="list-style-type: none"> Banaskantha PS (PG) (765kV) – Sankhari (400kV) corridor Banaskantha PS (PG) (765kV) – Chittorgarh PS (765kV) - Chittorgarh (RVPN) (400kV) corridor
4	Parli	Establishment of 2x500MVA, 400/220kV Latur PS
5	Solapur	Latur PS – Solapur (PG) 400kV D/c (Quad) line
6	Osmanabad	
7	Kolhapur	<ul style="list-style-type: none"> Kolhapur GIS 220kV S/C line Installation of 1x500MVA, 400/220kV ICT at Kolhapur GIS
8	Rajgarh	Rajgarh (PG) 220kV S/c line

Transmission Agencies may update

Status of Transmission schemes for Evacuation of upcoming RES

Scheduled dates for completion of transmission schemes



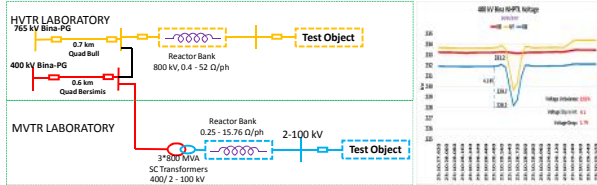
9.11 Status of prolonged outage of Grid Elements

S.No	Element Name	Owner	Outage		Reason
			Date	Time	
1	50 MVAR LR of 400 kV PARLI(MS)-LONIKAND (NEW)-2 at PARLI (MS)	MSETCL	30-10-2015	19:10	Fire Accident in L/R.
2	50 MVAR LR of 400 kV PARLI(MS)-LONIKAND (NEW)-2 at PARLI (MS)	MSETCL	30-10-2015	19:10	Fire Accident in L/R.
3	240 MVAR BR at 765 kV TIRODA	ATIL	21-03-2016	20:40	Oil leakage and Testing works
4	50 MVAR LR of 400 kV KANSARI-BHINMAL-1 at KANSARI	PGCIL	05-09-2016	20:45	Gases and Moisture Observed in Reactor Buchholz relay
5	400/1200 kV ICT-2 AT BINA(PG)	PGCIL	12-03-2017	06:31	protection operated
6	400/220 kV BHADRAWATI ICT	PGCIL	15-05-2017	13:35	For Replacement with 250 MVA ICT

Respective utilities may update the present status of restoration of the elements.

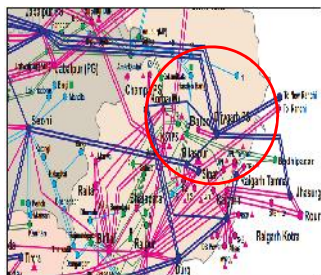
9.12 Notification of Commercial Operation of HVTR (High Voltage Transformer) Section of NHPTL

- National High Power Test Laboratory Pvt. Ltd. (NHPTL), a Joint Venture Company of NTPC, NHPC, POWERGRID, DVC and CPRI.
- Established online short circuit test facility at Bina in Madhya Pradesh.
- CERC vide order dated 16.05.16 approved procedure for approval of testing at NHPTL.

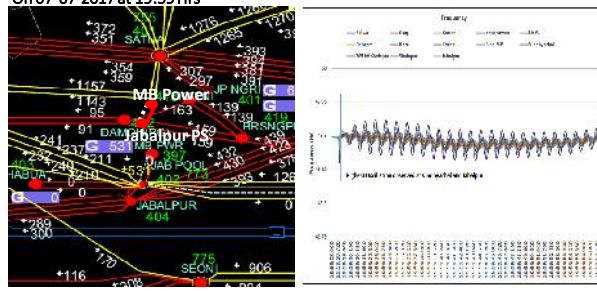


Black out of 765/400kV Dharamjaygarh PS Substation on 15 June 2017

- Event Date and Time : 15-06-2017 at 14:23HRS
- R-Y fault on 765 kV Dharamjaygarh-Jabalpur-3
- Tie breaker at Dharamjaygarh end got stuck during clearance of fault
- LBB Not operated
- Fault fed by other lines
- Total Blackout at
 - Dharamjaygarh
 - Balco
- 765 kV Lines tripped: 11
- 400 kV Lines tripped: 2
- Generation loss: ~1900 MW
- Load Loss: ~940 MW

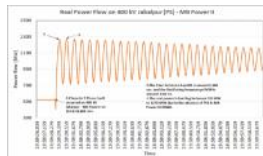
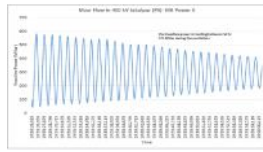


Low Frequency Oscillations Observed in 400 KV MB Power Generating Station On 07-07-2017 at 19:59 Hrs



Unstable operation at MB Power

- **MB Power: 2*600 MW**
 - **Connectivity: 400 kV MB Power-Jabalpur PS D/C (246 km, Triple Snowbird ACSR)**
 - 1959 hrs, 07.07.2017
 - 400 kV MB Power-Jabalpur-I tripped on R-Y fault
 - Gen was 1020 MW prior to the event
 - **After tripping of ckt-I severe low frequency oscillations were observed in the units of MB Power & in Grid**
- Issues:**
PSS of both Units of MB power were not in service.



Thank you!