

OUTAGE PROCEDURE

As per standard procedure of WRPC, all EHV elements which have been listed under the list of important grid elements of Western Region, the outages for such elements required OCCM approval. All such proposed outages of interstate and 400 KV transmission elements of next month should get approved in the OCCM of WRPC in the current month. All the constituents of WR shall inform to the WRPC for readiness for availing outage of such transmission elements on D-3 basis. Further, as decided non-OCCM outages should be discouraged. Only under exceptional cases, the request for transmission outage after issue of OCCM minutes must be posted through email for concurrence of WRPC Member at least three days in advance. It is also to mentioned that due to any reason if any OCC approved outage could not be availed, in that case such proposed outages could be rescheduled in the same month and approval of WRPC/WRLDC could be obtained. However, no any outages could be considered which has not been incorporated in OCCM proposal.

As per standard procedure of WRPC, all EHV elements which have been listed under the exception list of important grid elements of Western Region, the approval for shut down on such elements shall be submitted on D-5 basis to SLDC. Further proposal to avail planned outages of more than two days on elements listed in exception list of important grid elements shall also be submitted and got approved in the monthly WR-OCC meeting.

However short duration outage for such elements of exception list will be coordinated by SLDC. The SLDC will review the reliability and forward the 'N-1' contingency plan to RLDC prior to availing the shutdown on D-5 Basis.

In view of the above list of important grid element & exception list is as below:-

400 KV LINES INCLUDED IN LIST OF IMPORTANT GRID ELEMENTS

S.NO	END1	END2	ID/CKT NO.	LINE OWNER	END 1 OWNER	END 2 OWNER	KM	CONDUCTOR TYPE	SIL (UNCOMP ENSATED)	END1 L/R		END2 L/R	
1	Bhopal-BDTCL	Bhopal-MP	1	BDTCL	BDTCL	MPPTCL	9	Twin ACSR Moose	517	-	-	-	-
2	Bhopal-BDTCL	Bhopal-MP	2	BDTCL	BDTCL	MPPTCL	9	Twin ACSR Moose	517	-	-	-	-
3	Bhopal-MP	Bina-MP	1	MPPTC L	MPPTCL	MPPTCL	289	Twin ACSR Moose	517	-	-	50	-
4	Bhopal-MP	Bina-MP	2	MPPTC L	MPPTCL	MPPTCL	273	Twin ACSR Moose	517	-	-	50	-
5	Bhopal-MP	Itarsi	1	MPPTC L	MPPTCL	WRST-2	98	Twin ACSR Moose	517	-	-	-	-
6	Bhopal-MP	Itarsi	2	MPPTC L	MPPTCL	WRST-2	98	Twin ACSR Moose	517	-	-	-	-
7	Bhopal-MP	Damoh	1	WRST-2	MPPTCL	WRST-2	214	Twin ACSR Moose	517	50	-	-	-
8	Bhopal-MP	Damoh	2	WRST-2	MPPTCL	WRST-2	214	Twin ACSR Moose	517	50	-	-	-
9	Bina-MP	Bina-PG	1	WRST-2	MPPTCL	WRST-2	3	Twin ACSR Moose	517	-	-	-	-
10	Bina-MP	Bina-PG	2	WRST-2	MPPTCL	WRST-2	3	Twin ACSR Moose	517	-	-	-	-
11	Bina-MP	Bina-PG	3	WRST-2	MPPTCL	WRST-2	3	Twin ACSR Moose	517	-	-	-	-
12	Bina-MP	Bina-PG	4	WRST-2	MPPTCL	WRST-2	3	Twin ACSR Moose	517	-	-	-	-
13	Bina-PG	Shujalpur	1	WRST-2	WRST-2	WRST-2	200	Twin ACSR Moose	517	63	Y	50	Y
14	Bina-PG	Shujalpur	2	WRST-2	WRST-2	WRST-2	200	Twin ACSR Moose	517	63	Y	50	-
15	Bina-PG	JP-Bina	1	WRST-2	WRST-2	Jaypee	20	Twin ACSR Moose	517	-	-	-	-
16	Bina-PG	Bina-NTS	1	WRST-2	WRST-2	WRST-2	1	Twin ACSR Moose	517	50	-	-	-
17	Bina-PG	NHPTL	1	WRST-2	WRST-2	NHPTL	0.4	Twin ACSR Moose	517	-	-	-	-
18	Damoh	Birsingpur	1	WRST-2	WRST-2	MPPGCL	227	Twin ACSR Moose	517	50	-	-	-
19	Damoh	Birsingpur	2	WRST-2	WRST-2	MPPGCL	227	Twin ACSR Moose	517	50	-	-	-
20	Damoh	Katni	1	MPPTC L	WRST-2	MPPTCL	118	Twin ACSR Moose	517	50	-	-	-
21	Dehgam	Sami	1	ATIL	WRST-2	ATIL	152	Twin ACSR Moose	517	-	-	-	-

22	Dehgam	Sami	2	ATIL	WRTS-2	ATIL	152	Twin ACSR Moose	517	-	-	-	-
23	Indira Sagar	Nagda	1	MPPTC L	MPPTCL	MPPTCL	188	Twin ACSR Moose	517	-	-	-	-
24	Indore-MP	Indore-PG	1	WRTS-2	MPPTCL	WRTS-2	50	Quad ACSR Moose	681				
25	Indore-MP	Indore-PG	2	WRTS-2	MPPTCL	WRTS-2	50	Quad ACSR Moose	681				
26	Indore-MP	Asoj	1	WRTS-2	MPPTCL	GETCO	287	Twin ACSR Moose	517	50	-	50	-
27	Indore-MP	Asoj	2	2	MPPTCL	GETCO	293	Twin ACSR Moose	517	50	-	50	-
28	Indore-PG	Pithampur	1	MPPTC L	MPPTCL	MPPTCL	150	Twin ACSR Moose	517	-	-	-	-
29	Indore-PG	Pithampur	2	MPPTC L	MPPTCL	MPPTCL	150	Twin ACSR Moose	517	-	-	-	-
30	Indore-PG	Khandwa	1	WRTS-2	WRTS-2	WRTS-2	169	Twin ACSR Moose	517	80	Y	-	-
31	Indore-PG	Khandwa	2	WRTS-2	WRTS-2	WRTS-2	169	Twin ACSR Moose	517	80	Y	-	-
32	Itarsi	Indore-MP	1	WRTS-2	WRTS-2	MPPTCL	207	Twin ACSR Moose	517	50	-	50	-
33	Itarsi	Indore-MP	2	WRTS-2	WRTS-2	MPPTCL	214	Twin ACSR Moose	517	50	-	50	-
34	Itarsi	Khandwa	1	WRTS-2	WRTS-2	WRTS-2	197	Twin ACSR Moose	517	50	Y	-	-
35	Itarsi	Khandwa	2	WRTS-2	WRTS-2	WRTS-2	197	Twin ACSR Moose	517	50	Y	-	-
36	Jabalpur	Itarsi	1	WRTS-2	WRTS-2	WRTS-2	232	Twin ACSR Moose	517	50	-	50	-
37	Jabalpur	Itarsi	2	WRTS-2	WRTS-2	WRTS-2	232	Twin ACSR Moose	517	50	-	50	-
38	Jabalpur	Itarsi	3	WRTS-2	WRTS-2	WRTS-2	234	Twin ACSR Moose	517	50	Y	50	-
39	Jabalpur	Itarsi	4	WRTS-2	WRTS-2	WRTS-2	234	Twin ACSR Moose	517	50	Y	50	-
40	Jabalpur	Jabalpur (PS)	1	WRTS-2	WRTS-2	WRTS-2	16	Quad ACSR Moose	681				
41	Jabalpur	Jabalpur (PS)	2	WRTS-2	WRTS-2	WRTS-2	16	Quad ACSR Moose	681				
42	Nagda	Dehgam	1	WRTS-2	MPPTCL	WRTS-2	331		517	50	-	50	-
43	Nagda	Dehgam	2	WRTS-2	MPPTCL	WRTS-2	331		517	50	-	50	-
44	Nagda	Shujalpur	1	WRTS-2	MPPTCL	WRTS-2	151		517	-	-	63	Y
45	Nagda	Shujalpur	2	WRTS-2	MPPTCL	WRTS-2	151		517	-	-	63	Y
46	Korba-NTPC	Birsingpur	2	WRTS-1	NTPC	MPPGCL	226		517	50	-	50	-
47	Korba-NTPC	Birsingpur	1	WRTS-1	NTPC	MPPGCL	226		517	50	-	50	-

48	Koradi	Satpura	1	WRTS-1	WRTS-1	WRTS-2	149		517	-	-	50	-
49	Rajgarh	Nagda	1	WRTS-2	WRTS-2	MPPTCL	104		517	-	-	50	-
50	Rajgarh	Nagda	2	WRTS-2	WRTS-2	MPPTCL	104		517	-	-	50	-
51	Satpura	Itarsi	1	WRTS-2	MPPTCL	WRTS-2	79		517	-	-	-	-
52	Seoni	Satpura	1	WRTS-2	WRTS-1	MPPTCL	156		517	50	-	-	-

200 KV LINES INCLUDED IN LIST OF IMPORTANT GRID ELEMENTS

SI No	End-1	End-2	Id	Line Owner	Length (in Km)	Conductor Type
1	Anuppur	Kotmikala	2	MPPTCL	61	Single Zebra
2	Auraiya	Malanpur	1	MPPTCL	146	Single Zebra
3	Auraiya	Mehgaon	1	MPPTCL	113	Single Zebra
4	Bhanpura	Nepniya	1	MPPTCL	0	Single Zebra
5	Betul	Betul-MP	1	MPPTCL	31	Single Zebra
6	Betul	Betul-MP	2	MPPTCL	31	Single Zebra
7	Bhanpura	Sakatpur	1	MPPTCL	81	Single Zebra
8	Bhanpura	Modak	1	MPPTCL	63	Single Zebra
9	Gwalior	Malanpur	1	MPPTCL	38	Single Zebra
10	Gwalior	Malanpur	2	MPPTCL	38	Single Zebra
11	Gwalior	Mahalgaoon	1	MPPTCL	11	Single Zebra
12	Gwalior	Mahalgaoon	2	MPPTCL	11	Single Zebra
13	Jabalpur	Jabalpur-PG	1	MPPTCL	11	Single Zebra
14	Jabalpur	Jabalpur-PG	2	MPPTCL	11	Single Zebra
15	Mehgaon	Malanpur	1	MPPTCL	37	Single Zebra
16	Morena-Adani	Malanpur	1	MPPTCL	11.24	Single Zebra
17	Morena-Adani	Mehgaon	1	MPPTCL	37.32	Single Zebra
18	Pandurna	Kalmeshwar	1	MSETCL/MPPTCL	68	Single Zebra

132 KV LINES INCLUDED IN LIST OF IMPORTANT GRID ELEMENTS

S.NO.	Link Details	Owner	No. Of Circuits	Length(in circuit km)
1	Neemuch-Nimbahera	Madhya Pradesh / Rajasthan	S/C	45
2	Seopur Kalan-Sawai Madhopur (Khandar)	Madhya Pradesh / Rajasthan	S/C	62
3	Gandhi Sagar-Ranapratap Sagar-I&II	Madhya Pradesh / Rajasthan	D/C	102
4	Bina-Morwa	Madhya Pradesh / Uttar Pradesh	S/C	9
5	Rajghat-Lalitpur	Madhya Pradesh / Uttar Pradesh	S/C	23

400 KV LINES EXEMPTED FROM LIST OF IMPORTANT GRID ELEMENTS

S.no.	End-1	End-2	Id	Line Owner	End-1 Owner	End-2 Owner	Km	Conductor	SIL	End1 LR		End2 LR	
										MVAR	S/W	MVAR	S/W
1	Bina-MP	JP-Bina	1	MPPTCL	MPPTCL	Jaypee	20	Twin ACSR Moose	517	-	-	-	-
2	Birsinghpur	Katni	1	MPPTCL	MPPGCL	MPPTCL	118	Twin ACSR Moose	517	-	-	-	-
3	Birsinghpur	Katni	2	MPPTCL	MPPGCL	MPPTCL	118	Twin ACSR Moose	517	63	-	-	-
4		Julwania	1	MPPTCL	MPPTCL	MPPTCL	114	Twin ACSR Moose	517	-	-	-	-
5	Indira Sagar	Indore-MP	1	MPPTCL	MPPTCL	MPPTCL	79	Twin ACSR Moose	517	-	-	-	-
6	Indira Sagar	Indore-MP	2	MPPTCL	MPPTCL	MPPTCL	80	Twin ACSR Moose	517	-	-	50	-
7	Indore- MP	Nagda	1	MPPTCL	MPPTCL	MPPTCL	108	Twin ACSR Moose	517	-	-	-	-
8	Malwa	Chhegaon	1	MPPTCL	MPPTCL	MPPTCL	53	Twin ACSR Moose	517	-	-	-	-
9	Malwa	Pithampur	1	MPPTCL	MPPTCL	MPPTCL	136	Twin ACSR Moose	517	-	-	-	-
10	Malwa	Pithampur	2	MPPTCL	MPPTCL	MPPTCL	136	Twin ACSR Moose	517	-	-	-	-
11	Malwa	Julwania	1	MPPTCL	MPPTCL	MPPTCL	170	Twin ACSR Moose	517	-	-	-	-
12	Satpura	Indira sagar	1	MPPTCL	MPPTCL	MPPTCL	189	Twin ACSR Moose	517	-	-	-	-
13	Satpura	Astha	1	MPPTCL	MPPTCL	MPPTCL	240	Twin ACSR Moose	517	-	-	-	-
14	Satpura	Astha	2	MPPTCL	MPPTCL	MPPTCL	240	Twin ACSR Moose	517	-	-	-	-

220 KV LINES EXEMPTED FROM LIST OF IMPORTANT GRID ELEMENTS

Sl No	End-1	End-2	Id	Line Owner	Length (in Km)	Conductor Type
1	Bina-MP	Bina-PG	1	MPPTCL	3	Single Zebra
2	Bina-MP	Mahalgaoon	1	MPPTCL	246	Single Zebra
3	Bina-MP	Datiya-Mahalgaoon	2	MPPTCL	-	Single Zebra
4	Bina-PG	Shivpuri	1	MPPTCL	169	Single Zebra
5	Damoh-MP	Damoh-PG	1	MPPTCL	8	Single Zebra
6	Damoh-MP	Damoh-PG	2	MPPTCL	9	Single Zebra
7	Damoh-MP	Damoh-PG	3	MPPTCL	9	Single Zebra
8	Damoh-PG	Sagar	1	MPPTCL	62	Single Zebra
9	Damoh-PG	Sagar	2	MPPTCL	62	Single Zebra
10	Damoh-PG	Tikamgad	1	MPPTCL	151	Single Zebra
11	Gwalior	Gwalior-II	1	MPPTCL	3	Single Zebra
12	Gwalior	Gwalior-II	2	MPPTCL	3	Single Zebra
13	Hoshangabad	Itarsi-PG	1	MPPTCL	21	Single Zebra
14	Hoshangabad	Itarsi-PG	2	MPPTCL	21	Single Zebra
15	Itarsi	Itarsi-PG	1	MPPTCL	3	Single Zebra
16	Itarsi	Itarsi-PG	2	MPPTCL	3	Single Zebra
17	Katni	Satna-PG	1	MPPTCL	102	Single Zebra
18	Khandwa	Omkareswar	1	MPPTCL	98	Single Zebra
19	Morena -Adani	Morena-MP	1	MPPTCL	24.685	Single Zebra
20	Pithampura	Rajgarh-PG	1	MPPTCL	79	Single Zebra
21	Pithampura	Rajgarh-PG	2	MPPTCL	78	Single Zebra
22	Rajgarh-PG	Rajgarh-MP	1	MPPTCL	13	Single Zebra
23	Rajgarh-PG	Dhar	1	MPPTCL	12	Single Zebra
24	Satna-MP	Satna-PG	1	MPPTCL	1.19	Single Zebra

25	Satna-MP	Satna-PG	2	MPPTCL	1.19	Single Zebra
26	Satna-MP	Satna-PG	3	MPPTCL	1.19	Single Zebra
27	Satna-MP	Satna-PG	4	MPPTCL	4.2	Single Zebra
28	Satna-PG	Maihar	2	MPPTCL	42	Single Zebra
29	Satna-PG	Chhattarpur	1	MPPTCL		Single Zebra
30	Seoni-PG	Seoni-MP	1	MPPTCL	4	Single Zebra
31	Seoni-PG	Seoni-MP	2	MPPTCL	4	Single Zebra
32	Seoni-PG	Chindwara	1	MPPTCL	67	Single Zebra
33	Seoni-PG	Chindwara	2	MPPTCL	67	Single Zebra
34	Shujalpur	Shujalpur-MP	1	MPPTCL	4	Single Zebra
35	Shujalpur	Shujalpur-MP	2	MPPTCL	4	Single Zebra

132 KV LINES EXEMPTED FROM LIST OF IMPORTANT GRID ELEMENTS

SI No	End-1	End-2	Id	Line Owner	End-1 Owner	End-2 Owner	Length (in Km)
1	Dharni	Nepanagar	1	MSETCL	MSETCL	MPPTCL	60
2	VSTPS	Waidhan	1	MPPTCL	MPPTCL	NTPC	10
3	VSTPS	Waidhan	2	MPPTCL	MPPTCL	NTPC	10
4	Balaghat	Dongargarh	1	CSPTCL	MPPTCL	CSPTCL	99
5	Pench	Mansar	1	MPPTCL/MSETCL	MPPTCL	MSETCL	32
6	Pench	Kanhan	1	MPPTCL/MSETCL	MPPTCL	MSETCL	52

TRANSFORMERS EXEMPTED FROM LIST OF IMPORTANT GRID ELEMENTS

Sl No	Sub-Station	ID	MVA	Voltage Ratio	Owner	Normal Tap Position	Present Tap Position
1	Astha	1	315	400/220	MPPTCL	9b	9b
2	Astha	2	315	400/220	MPPTCL	9b	9b
3	Bhopal-MP	1	315	400/220	MPPTCL	9b	9
4	Bhopal-MP	2	315	400/220	MPPTCL	9b	9
5	Bhopal-MP	3	315	400/220	MPPTCL	9b	9
6	Bhopal-MP	4	315	400/220	MPPTCL	9	9
7	Bina-MP	1	315	400/220	MPPTCL	9b	9
8	Bina-MP	2	315	400/220	MPPTCL	9b	9
9	Bina-MP	3	315	400/220	MPPTCL	9b	9
10	Birsingpur	1	500	400/220	MPPGCL	9	11
11	Chhegaon	1	315	400/220	MPPTCL	9b	9b
12	Chhegaon	2	315	400/220	MPPTCL	9b	9b
13	Indore-MP	1	315	400/220	MPPTCL	9b	13
14	Indore-MP	2	315	400/220	MPPTCL	9b	13
15	Indore-MP	3	315	400/220	MPPTCL	9b	13
16	Indore-MP	4	315	400/220	MPPTCL	9b	13
17	Julwania	1	315	400/220	MPPTCL	9b	9b
18	Julwania	2	315	400/220	MPPTCL	9b	9b
19	Katni	1	315	400/220	MPPTCL	9b	9
20	Katni	2	315	400/220	MPPTCL	9b	9
21	Malwa	1	315	400/220	MPPTCL	9b	9b
22	Malwa	2	315	400/220	MPPTCL	9b	9b
23	Nagda	1	315	400/220	MPPTCL	9b	11
24	Nagda	2	315	400/220	MPPTCL	9b	11
25	Nagda	3	315	400/220	MPPTCL	9b	11
26	Nagda	4	315	400/220	MPPTCL	9b	11
27	Pithampur	1	315	400/220	MPPTCL	9b	9b
28	Pithampur	2	315	400/220	MPPTCL	9b	9b