

འབྲུག་གློ་བུ་ཕྱག་ལུགས་རིང་ལུགས་ལག་ལེན་ཡིག་ཚང་།

Office of the Bhutan Power System Operator

རྒྱལ་ཕྱག་ལུགས་དང་རང་བཞིན་ཐོན་སྐྱེད་ལྗན་ལག

Ministry of Energy and Natural Resources

Power System Operation Division



Annual Outage Plan 2025

(Revised: 18-Feb-2025)

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Message from the Chief Manager (Power System Operation Division)

Bhutan Power System Operator

Bhutan is endowed with rich hydropower resources and it is estimated that hydropower potential is around 36,900 MW out of which, around 23,760 MW is estimated to be techno-commercially feasible. From this feasible quantum, just around 11.71% had been harnessed until now. Given the utmost importance of energy diversification, the Royal Government of Bhutan, of late, had started to place special focus on promotion, development and harnessing of non-hydro renewal energy (from Solar and Wind). Bhutan has a potential to produce around 12,000 MW of Solar Energy and 760 MW of Wind Energy.

In view of the hydropower developments and a gradual growth in domestic consumption, transmission system infrastructure development are also in the process of being looked at by the concerned.

These developments call for efficient management of grid to ensure operational efficiencies and reliability of transmission power. It is expected that every efforts are put in by all the stakeholders concerned to achieve this. It may also kindly be noted that the shutdown(s) would be revoked/postponed/preponed depending on the technical circumstances. As part of the enhancement of operational efficiency, the following are defined and are in place.

Planned Maintenance

...the activities which are proposed in advance by the individual agency in the Annual Maintenance Plan (AMP), and approved in principle by the System Operator. The final shutdown request for the planned maintenance of equipment shall be submitted to system operator two weeks before the actual shutdown.

Emergency Maintenance (break down)

The emergency maintenance are required to be taken by the agency/field operators immediately as a result of the failure/breakdown of equipment or components which otherwise will have catastrophic effect.

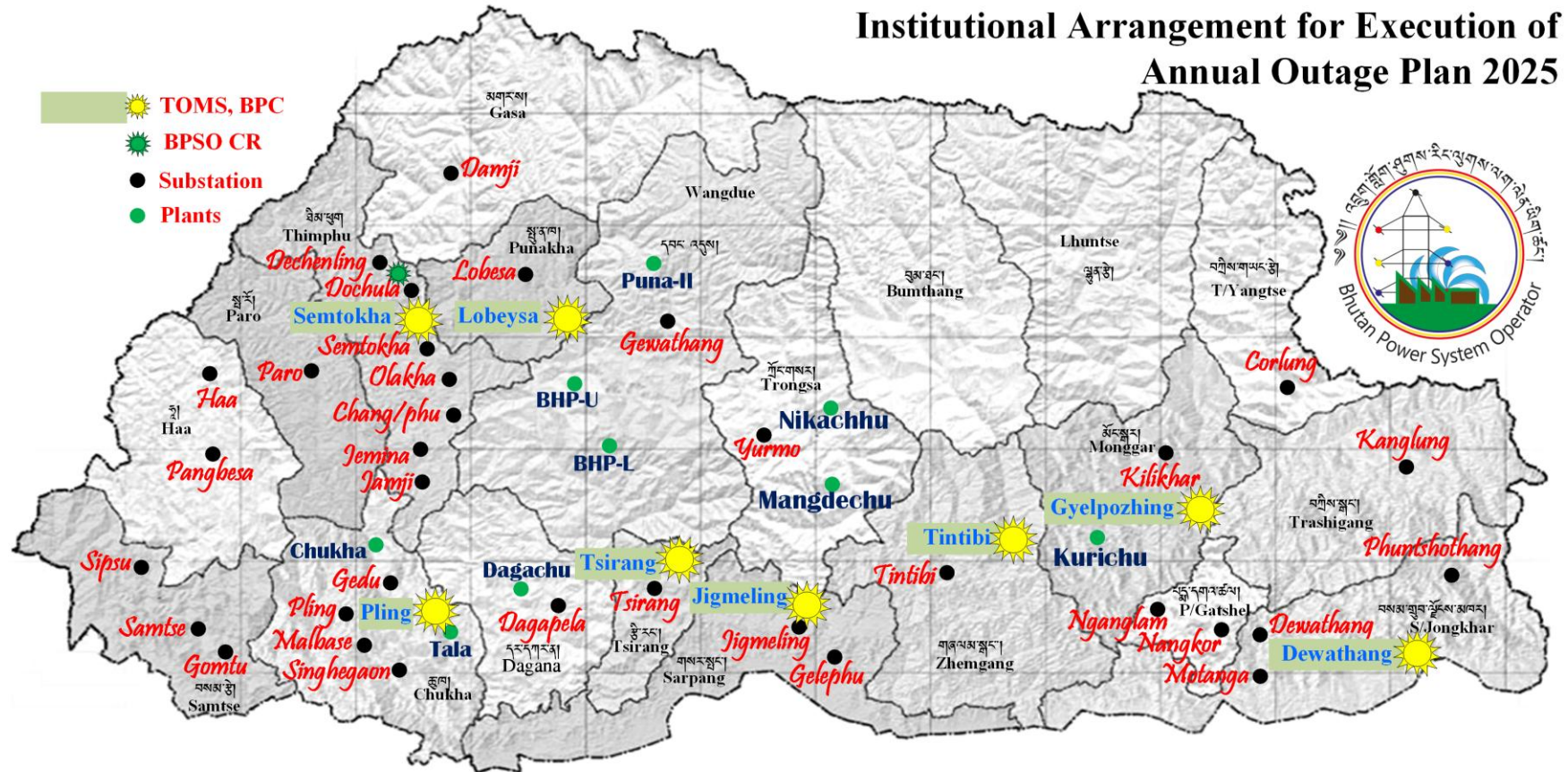
Ad hoc maintenance (preventive)

...The ad-hoc maintenance are the ones which are requested by the agencies to the System Operator (not envisaged during the AMP meeting) as felt necessary based on the condition of the equipment so that preventive maintenance of the system can be done. The final shutdown request for the ad-hoc maintenance of equipment shall be submitted to system operator three days before the actual shutdown.

It is hoped that this **Annual Outage Plan 2025** comes in handy to all the relevant stakeholders availing the outage. Geared towards enhancing the efficiency of grid management and promoting smooth cross-border transactions, cooperation is solicited.

1. Institutional Arrangement for Execution of Annual Outage Plan 2025

The key stakeholders involved for execution of AOP-2025 are the respective Control Room of Plants, Substation and BPSO. Adopting the prevailing best practices, including the use of available communication channel(s), all the stakeholders at site shall place utmost importance on the safety of the equipment and personnel while executing the shutdown.



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BPSO

2. Druk Green Power Corporation

The plant-wise AOP-2025 for units are as given below. The shutdown of lines, if required, shall be taken as an advantage shutdown when the concerned TOMS (Transmission Operation and Maintenance Section) of BPC takes. This is to ensure there is, as far as possible, no repetition of shutdowns on the same element.

Note:

It is requested that the final shutdown approval is sought from this office before taking the actual shutdown for the maintenance. This office may revoke/postpone/prepone the shutdown depending on the technical requirement of the national grid. The concerned may announce in the media if the shutdown(s) of the line(s)/ICT(s)/Unit(s) is/are envisaged to have supply interruptions.

2.1 The 2x12+2x20 MW BHP, Wangdue

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Reliability	Remarks
1	Unit-II (US) & Unit-II (LS)	01/01/2025 09:00hrs	12/02/2025 17:00hrs	Unit-I in both the stages will be available	-
2	Unit-I (US) & Unit-I (LS)	12/02/2025 09:00hrs	26/03/2025 17:00hrs	Unit-II in both the stages will be available	-
3	Upper stage units	14/05/2025 09:00hrs	14/05/2025 17:00hrs	Both the lower stage units will be in service	-
4	Total shutdown of LS and 220kV SY	15/05/2025 09:00hrs	15/05/2025 17:00hrs	Upper stage units will be in service	-

5	Unit-I (US) & Unit-I (LS)	12/08/2025 09:00hrs	12/05/2025 17:00hrs	Unit-II (US) & Unit-II (LS) will be available.	-
6	Unit-II (US) & Unit-II (LS)	13/08/2025 09:00hrs	15/08/2025 17:00hrs	Unit-I in both the stages will be available	-
7	Lines	Work program on line(s), if any, for BHP shall be clubbed with those of other stakeholder(s)			

2.2 The 4x84 MW CHP, Chukha

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Reliability	Remarks
1	Unit-I	10/03/2025 09:00hrs	16/05/2025 17:00hrs	Other unit(s) will be available.	-
2	Unit-II	29/01/2025 09:00hrs	10/04/2025 17:00hrs	Other unit(s) will be available.	
3	Unit-III	02/12/2024 09:00hrs	27/01/2025 17:00hrs	Other unit(s) will be available.	
4	Unit-I and II	10/03/2025 09:00hrs	10/04/2025 17:00hrs	Other unit(s) will be available.	
5	All units	(February for 18 hours)		No units will be available	Dam Scouring
6	Unit-IV	22/02/2025 09:00hrs	22/02/2025 17:00hrs	10 hours	
7	Unit-III	29/03/2025 09:00hrs	29/03/2025 17:00hrs	10 hours	-
8	Unit-I, II, III, and IV	June		10 hours each	-
9	Unit-I, II, III, and IV	August		10 hours each	-
10	Unit-I, II, III, and IV	October		10 hours each	-
11	Lines	Work program on line(s), if any, for CHP shall be clubbed with those of other stakeholder(s).			

2.3 The 2x63 MW DHP, Dagana

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Reliability	Remarks
1	Unit-I	5/01/2025 09:00hrs	05/02/2025 17:00hrs	Other unit will be available.	-
2	Unit-II	06/02/2025 09:00hrs	12/03/2025 17:00hrs	Other unit will be available.	Dam Scouring and line maintenance also.
3	Both Units	02/02/2025 09:00hrs	02/02/2025 17:00hrs	Total shutdown	Loading of configuration in common controllers
4	Any Unit	05/02/2025 09:00hrs	18/02/2025 17:00hrs	Other unit will be available.	10-year major maintenance
5	Any Unit	19/02/2025 09:00hrs	20/02/2025 17:00hrs	Other unit will be available.	10-year major maintenance
6	Both the Units	15/0/2025 09:00hrs	15/08/2025 19:00hrs	Total shutdown for 12 hours	Dam scouring
7	Lines	Work program on line(s), if any, for DHP shall be clubbed with those of other stakeholder(s) or can be taken during the common shutdown			

Note: The concerned TOMS shall, if required, plan the shutdown on the 220kV DHP-Tsirang/Dagapela during the above common shutdown in close coordination with DHP.

2.4 The 4x15 MW KHP, Monggar

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Reliability	Remarks
1	Unit-I	24/12/2024 09:00hrs	23/01/2025 17:00hrs	Other unit(s) will be available.	-
2	Unit-II	24/01/2025 09:00hrs	04/03/2025 17:00hrs	Other unit(s) will be available.	-
3	Unit-IV	05/03/2025 09:00hrs	04/04/2025 17:00hrs	Other unit(s) will be available.	-
4	Unit-I, II, III, and IV	Apr (2 hours each)		Other unit(s) will be available.	-
5	Unit-I and II	May (2 hours each)		Other unit(s) will be available.	-
6	Unit-I, II, III, and IV	June (18 hours each)		Other unit(s) will be available.	-
7	Unit-III and IV	June (2 hours each)		Other unit(s) will be available.	-
8	Unit-I and II	July (2 hours each)		Other unit(s) will be available.	-
9	Unit-I, II, III, and IV	August (12 hours each)		Other unit(s) will be available.	-
10	Unit-I, II, III, and IV	September (12 hours each)		Other unit(s) will be available.	-
11	Unit-III	October (2 hours each)		Other unit(s) will be available.	-
12	Lines	Work program on line(s), if any, for KHP shall be clubbed with those of other stakeholder(s)			

2.5 The 4x180 MW MHP, Trongsa

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Reliability	Remarks
1	Unit-III and IV	05/01/2025 09:00hrs	08/02/2025 17:00hrs	Other unit(s) will be available.	-
2	Unit-III	09/02/2025 09:00hrs	01/03/2025 17:00hrs	Other unit(s) will be available.	-
3	Unit-I & II	02/03/2025 09:00hrs	12/03/2025 17:00hrs	Other unit(s) will be available.	-
4	Unit-II	13/03/2025 09:00hrs	27/04/2025 17:00hrs	Other unit(s) will be available.	-
5	Unit-III	28/04/2025 09:00hrs	18/05/2025 17:00hrs	10 hours	-
6	Unit-I	19/01/2025 09:00hrs	19/01/2025 17:00hrs	10 hours	-
7	Unit-I	02/04/2025 09:00hrs	02/04/2025 17:00hrs	10 hours	-

8	Unit-I	14/06/2025 09:00hrs	14/06/2025 17:00hrs	10 hours	-
		15/08/2025 09:00hrs	15/08/2025 17:00hrs		
		16/10/2025 09:00hrs	16/10/2025 17:00hrs		
9	Unit-I	18/12/2025 09:00hrs	18/12/2025 17:00hrs	10 hours	-
10	Unit-II	11/02/2025 09:00hrs	11/02/2025 17:00hrs	10 hours	-
		12/08/2025 09:00hrs	12/08/2025 17:00hrs		
		15/12/2025 09:00hrs	15/12/2025 17:00hrs		
11	Unit-III	22/03/2025 09:00hrs	10/03/2025 17:00hrs	10 hours	-
		01/06/2025 09:00hrs	01/06/2025 17:00hrs		
		02/08/2025 09:00hrs	02/08/2025 17:00hrs		

12	Unit-III	05/12/2025 09:00hrs	05/12/2025 17:00hrs	10 hours	-
13	Unit-IV	29/10/2025 09:00hrs	29/10/2025 17:00hrs	10 hours	-
		18/11/2025 09:00hrs	18/11/2025 17:00hrs		
		13/02/2025 09:00hrs	13/02/2025 17:00hrs		
		05/03/2025 09:00hrs	05/03/2025 17:00hrs		
		06/05/2025 09:00hrs	06/05/2025 17:00hrs		
		07/07/2025 09:00hrs	07/07/2025 17:00hrs		
		07/09/2025 09:00hrs	07/09/2025 17:00hrs		
		08/11/2025 09:00hrs	08/11/2025 17:00hrs		
14	All Units	26/12/2024	26/12/2024	Total shutdown for 24 hours	Dam scouring

		09:00hrs	17:00hrs		
15	Lines	Work program on line(s), if any, for MHP shall be clubbed with those of other stakeholder(s)			

2.6 The 6x170 MW THP, Chukha

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Reliability	Remarks
1	Unit-VI	01/12/2024 09:00hrs	31/01/2025 17:00hrs	Other unit(s) will be available.	-
2	Unit-IV and VI	04/01/2025 09:00hrs	28/02/2025 17:00hrs	Other unit(s) will be available.	-
3	Unit-II & -IV	01/02/2025 09:00hrs	31/03/2024 17:00hrs	Other unit(s) will be available.	-
4	Unit-II	01/03/2025 09:00hrs	31/03/2024 17:00hrs	Other unit(s) will be available.	-
5	Unit-III	31/03/2024 09:00hrs	30/04/2025 17:00hrs	Other unit(s) will be available.	-
6	Unit-I	01/05/2025 09:00hrs	31/05/2025 17:00hrs	Other unit(s) will be available.	-
		11/08/2025 09:00hrs	11/08/2025 17:00hrs	8 hours each	-
		14/10/2025 09:00hrs	14/10/2025 17:00hrs	8 hours each	

7	Unit-II	01/09/2025 09:00hrs	01/09/2025 17:00hrs	8 hours	-
8	Unit-III	02/09/2025 09:00hrs	02/09/2025 17:00hrs	8 hours	-
9	Unit-IV	03/09/2025 09:00hrs	03/09/2025 17:00hrs	8 hours	-
10	Unit-V	12/08/2025 09:00hrs	12/08/2025 17:00hrs	8 hours	-
11	Unit-V	15/10/2025 09:00hrs	15/10/2025 17:00hrs	8 hours	-
12	Unit-VI	15/08/2025 09:00hrs	15/08/2025 17:00hrs	24 hours	-
13	Unit-VI	13/10/2025 09:00hrs	13/10/2025 17:00hrs	Annual Maintenance	-
14	All Units	06/08/2025 09:00hrs	06/08/2025 17:00hrs	Dam scouring	-
15	Lines	Work program on line(s), if any, for THP shall be clubbed with those of other stakeholder(s)			

2.7 The 2x59 MW NHP, Trongsa

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Reliability	Remarks
1	Unit-II	18/12/2024 09:00hrs	01/02/2025 17:00hrs	Other unit(s) will be available.	-
2	Both Units	22/04/2025 09:00hrs	22/04/2025 17:00hrs	Total shutdown	-
3	Unit-I	13/08/2025 09:00hrs	13/08/2025 17:00hrs	Other unit(s) will be available.	-
4	Unit-II	14/08/2025 09:00hrs	14/08/2025 17:00hrs	Other unit(s) will be available.	
5	Both Units	18/08/2025 09:00hrs	18/08/2025 17:00hrs	Dam scouring	

3. Bhutan Power Corporation Limited

The TOMS-wise AOP-2025 for transmission elements (66kV and above) is given below. One TOMS may coordinate with other concerned TOMS and Plant while availing the shutdown from BPSO Control Room to avoid, as far as possible, repetition of shutdowns on the same element.

Note:

It is requested that the final shutdown approval be sought from this office before taking the actual shutdown. This office may revoke/postpone/prepone the shutdown depending on the technical requirement of the national grid. The concerned may announce in the media if the shutdown(s) of the line(s)/ICT(s)/Unit(s) is/are envisaged to have supply interruptions.

3.1 TOMS Gyelpozhing, Monggar

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	132kV KHP-Kilikhar	05/05/2025 09:00hrs	06/05/2025 17:00hrs	-	-
2	132kV Kilikhar-Corlung	10/02/2025 09:00hrs	11/02/2025 17:00hrs	-	-
3	132kV Main Bus (Kilikhar)	07/04/2025 09:00hrs	07/04/2025 17:00hrs	-	-

4	132/33kV, 10MVA Trans.-I (Kilikhar)	08/04/2025 09:00hrs	08/04/2025 17:00hrs	-	-
5	132/33kV, 10MVA Trans.-II (Kilikhar)	09/04/2025 09:00hrs	09/04/2025 17:00hrs		
6	132kV KHP-Nangkor	04/02/2025 09:00hrs	07/02/2025 17:00hrs	-	-
7	132kV Kilikhar-Corlung	24/02/2025 09:00hrs	24/02/2025 17:00hrs		
8	132kV Corlung-Kanglung	25/02/2025 09:00hrs	25/02/2025 17:00hrs		
9	132kV Main Bus (Corlung)	03/03/2025 09:00hrs	04/03/2025 17:00hrs		
10	10 MVA trans-I(Corlung)	05/03/2025 09:00hrs	05/03/2025 17:00hrs		
11	10 MVA trans-II(Corlung)	06/03/2025 09:00hrs	06/03/2025 17:00hrs		
12	132kV Kanglung-Phuntshothang	17/03/2025 09:00hrs	21/03/2025 17:00hrs		
13	5 MVA trans-I (Kanglung)	02/04/2025 09:00hrs	02/04/2025 17:00hrs		

14	5 MVA trans-II (Kanglung)	03/04/2025 09:00hrs	03/04/2025 17:00hrs		
15	132kV Main Bus (Kanglung)	05/04/2025 09:00hrs	06/04/2025 17:00hrs		
16	132kV Kanglung-Corlung	11/04/2025 09:00hrs	11/04/2025 17:00hrs		
17	132kV Kanglung-Phuntshothang	12/04/2025 09:00hrs	12/04/2025 17:00hrs		

3.2 TOMS Dewathang, S/Jongkhar

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	132kV Nganglam-Tintibi	13/02/2025 09:00hrs	16/02/2025 17:00hrs	-	
2	132kV Phuntshothang-Kanglung	17/02/2025 09:00hrs	20/02/2025 17:00hrs	- -	
3	132kV Nganglam-Nangkor	05/03/2025 09:00hrs	08/03/2025 17:00hrs	-	
4	132kV KHP-Nangkor	09/03/2025 09:00hrs	13/03/2025 17:00hrs	-	
5	132kV Deothang-Motanga	14/03/2025 09:00hrs	16/03/2025 17:00hrs	-	
6	132kV Deothang-Nangkor	01/04/2025 09:00hrs	04/04/2025 17:00hrs	-	
7	132kV Phuntshothang-Motanga	07/04/2025 09:00hrs	10/04/2025 17:00hrs	-	

8	132kV Motanga-Rangia	13/04/2025 09:00hrs	13/04/2025 17:00hrs	-	
9	132kV Main Bus (Motanga)	14/04/2025 09:00hrs	15/04/2025 17:00hrs	-	
10	132kV Motanga-Nganglam	04/05/2025 09:00hrs	08/05/2025 17:00hrs	-	
11	5 MVA Trans. – I (Deothang)	10/05/2025 09:00hrs	10/05/2025 17:00hrs	-	
12	5 MVA Trans. – II (Deothang)	11/05/2025 09:00hrs	11/05/2025 17:00hrs	-	
13	15 MVA Trans. – I (Motanga)	21/05/2025 09:00hrs	21/05/2025 17:00hrs		
14	132kV Nangkor Main Bus	19/05/2025 09:00hrs	19/05/2025 17:00hrs		
15	5 MVA Trans. – I (Nangkor)	24/05/2025 09:00hrs	24/05/2025 17:00hrs	-	
16	5 MVA Trans. – II (Nangkor)	25/05/2025 09:00hrs	25/05/2025 17:00hrs	-	
17	5 MVA Trans. – I (Nganglam)	19/05/2025	19/05/2025	-	

		09:00hrs	17:00hrs		
18	5 MVA Trans. – II (Nganglam)	20/05/2025 09:00hrs	20/05/2025 17:00hrs	-	
19	132kV Nganglam Main Bus	23/05/2025 09:00hrs	24/05/2025 17:00hrs		
20	10 MVA Trans. – I (P/thang)	19/05/2025 09:00hrs	19/05/2025 17:00hrs	-	
21	10 MVA Trans. – II (P/thang)	20/05/2025 09:00hrs	20/05/2025 17:00hrs	-	
22	132kV Phuntshothang Main Bus	27/05/2025 09:00hrs	28/05/2025 17:00hrs		

3.3 TOMS Tintibi, Zhemgang

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	132kV Tintibi-Nganglam	13/02/2025 09:00hrs	16/02/2025 17:00hrs	-	-
2	132kV Tintibi-Yurmo	17/02/2025 09:00hrs	19/02/2025 17:00hrs		
3	400kV MHP-Jigmeling I & II	25/02/2025 09:00hrs	26/02/2025 17:00hrs	-	-
4	400kV MHP-Jigmeling III	27/02/2025 09:00hrs	05/03/2025 17:00hrs		
5	132kV Tintibi-Jigmeling	18/03/2025 09:00hrs	18/03/2025 17:00hrs	-	-
6	132kV Main & Transfer Bus (Tintibi)	20/03/2025 09:00hrs	20/03/2025 17:00hrs	-	-
7	3 MVA transformer-I (Tintibi)	21/03/2025 09:00hrs	21/03/2025 17:00hrs	-	
8	3 MVA transformer-II (Tintibi)	24/03/2025 09:00hrs	24/03/2025 17:00hrs	-	-

9	132kV Tintibi-Nganglam	15/09/2025 09:00hrs	16/09/2025 17:00hrs		
10	132kV Tintibi-Jigmeling	17/09/2025 09:00hrs	18/09/2025 17:00hrs		
11	132kV Tintibi-Yurmo	19/09/2025 09:00hrs	19/09/2025 17:00hrs		
12	3 MVA transformer – I (Tintibi)	23/09/2025 09:00hrs	23/09/2025 17:00hrs		
13	3 MVA transformer – II (Tintibi)	24/09/2025 09:00hrs	25/09/2025 17:00hrs		
14	132kV MHP-Yurmo-II	25/03/2025 09:00hrs	25/03/2025 17:00hrs		
15	132kV Main Bus (Yurmo)	27/03/2025 09:00hrs	27/03/2025 17:00hrs		
16	132kV MHP-Yurmo-II	29/09/2025 09:00hrs	29/09/2025 17:00hrs	-	-
17	132kV Tintibi-Yurmo	30/09/2025 09:00hrs	30/09/2025 17:00hrs	-	-
18	3 MVA Trans-I (Yurmo)	01/10/2025 09:00hrs	02/10/2025 17:00hrs	-	-

19	3 MVA Trans-II (Yurmo)	03/10/2025 09:00hrs	04/10/2025 17:00hrs	-	-
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3.4 TOMS Jigmeling, Sarpang

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	132/33kV, 25 MVA ICT-I (Jigmeling)	12/02/2025 09:00hrs	13/02/2025 17:00hrs		
2	132/33kV, 25 MVA ICT-II (Jigmeling)	14/02/2025 09:00hrs	15/02/2025 17:00hrs	-	-
3	132kV Tintibi-Jigmeling	06/01/2025 09:00hrs	31/01/2025 17:00hrs	-	-
4	132kV Jigmeling-Gelephu	10/01/2025 09:00hrs	17/01/2025 17:00hrs	-	-
5	220kV Jigmeling-Tsirang	17/02/2025 09:00hrs	19/02/2025 17:00hrs	-	-
6	400kV Jigmeling-Alipurduar I and II	24/02/2025 09:00hrs	03/03/2025 17:00hrs		Contingent on availability of 400kV Puna-II to Alipurduar lines
7	400kV MHP-Jigmeling I & II	10/03/2025 09:00hrs	15/03/2025 17:00hrs	-	

8	220kV Bus Coupler	24/03/2025 09:00hrs	26/03/2025 17:00hrs		
9	220/132kV, 80 MVA ICT-I (Jigmeling)	31/03/2025 09:00hrs	01/04/2025 17:00hrs	-	-
10	220/132kV, 80 MVA ICT-II(Jigmeling)	02/04/2025 09:00hrs	03/04/2025 17:00hrs	-	-
11	400/220kV, 500 MVA ICT (R) (Jigmeling)	04/04/2025 09:00hrs	05/04/2025 17:00hrs	-	-
12	400/220kV, 500 MVA ICT (Y) (Jigmeling)	06/04/2025 09:00hrs	07/04/2025 17:00hrs	-	-
13	400/220kV, 500 MVA ICT (B) (Jigmeling)	08/04/2025 09:00hrs	09/04/2025 17:00hrs	-	-
14	400/220kV, 500 MVA ICT, spare (Jigmeling)	10/04/2025 09:00hrs	11/04/2025 17:00hrs	-	-
15	400kV MHP-Jigmeling-III & IV	13/04/2025 09:00hrs	16/04/2025 17:00hrs	-	-
16	400kV Jigmeling-Alipurduar-I	18/04/2025 09:00hrs	20/04/2025 17:00hrs	-	-

17	400kV Jigmeling-Alipurduar-II				
18	132kV Jigmeling-Gelephu	23/04/2025 09:00hrs	24/04/2025 17:00hrs	-	-
19	132kV Gelephu-Salakati	26/04/2025 09:00hrs	27/04/2025 17:00hrs		
20	220kV Jigmeling-Dagapela	03/11/2025 09:00hrs	07/11/2025 17:00hrs		-
21	132kV Jigmeling-Tintibi	03/03/2025 09:00hrs	05/03/2025 17:00hrs		-
22	132kV Jigmeling-Gelephu	06/03/2025 09:00hrs	07/03/2025 17:00hrs		-
23	220kV Bus Coupler (Jigmeling)	08/03/2025 09:00hrs	09/03/2025 17:00hrs		
24	15 MVA transformer-I (Jigmeling)	10/03/2025 09:00hrs	11/03/2025 17:00hrs		
25	220kV Jigmeling-Tsirang	14/03/2025 09:00hrs	15/03/2025 17:00hrs		
26	220kV Jigmeling-Dagapela	16/03/2025 09:00hrs	17/03/2025 17:00hrs		

27	220kV Bus Coupler (Jigmeling)	18/03/2025 09:00hrs	19/03/2025 17:00hrs		
28	80 MVA ICT-I (Jigmeling)	20/03/2025 09:00hrs	21/03/2025 17:00hrs		
29	80 MVA ICT-I (Jigmeling)	22/03/2025 09:00hrs	23/03/2025 17:00hrs		

3.5 TOMS-Tsirang, Tsirang

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	220kV DHP-Tsirang	12/02/2025 09:00hrs	18/02/2025 17:00hrs	-	-
2	220kV Jigmeling-Tsirang	14/03/2025 09:00hrs	15/03/2025 17:00hrs	-	
3	220kV BHP-Tsirang	16/03/2025 09:00hrs	16/03/2025 17:00hrs		
4	220kV Jigmeling-Dagapela	16/03/2025 09:00hrs	21/03/2025 17:00hrs	-	-
5	10 MVA Transformer-I (Tsirang)	13/10/2025 09:00hrs	16/10/2025 17:00hrs	-	-
6	10 MVA Transformer-II (Tsirang)	17/10/2025 09:00hrs	20/10/2025 17:00hrs		
7	220kV Bus Coupler(Tsirang)	22/10/2025 09:00hrs	23/10/2025 17:00hrs		
8	220kV Tsirang-DHP	24/10/2025 09:00hrs	25/10/2025 17:00hrs		

9	220kV BHP-Tsirang	29/10/2025 09:00hrs	29/10/2025 17:00hrs		
10	220kV Tsirang-Jigmeling	30/10/2025 09:00hrs	30/10/2025 17:00hrs		
11	40 MVA Transformer-I (Dagapela)	03/11/2025 09:00hrs	06/11/2025 17:00hrs		
12	40 MVA Transformer-II (Dagapela)	07/11/2025 09:00hrs	10/11/2025 17:00hrs		
13	220kV Bus Coupler (Dagapela)	12/11/2025 09:00hrs	12/11/2025 17:00hrs	-	-
14	220kV DHP-Dagapela	13/11/2025 09:00hrs	13/11/2025 17:00hrs	-	-

3.6 TOMS-Lobeysa, Punakha

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	66kV BHP-Gewathang	13/02/2025 09:00hrs	15/02/2025 17:00hrs	-	May entail load shedding to avoid transformer overloading at Semtokha
2	400kV Puna-2-Alipurduar	24/03/2025 09:00hrs	28/03/2025 17:00hrs	-	-
3	66kV Dochhula-Lobeysa	03/04/2025 09:00hrs	07/04/2025 17:00hrs	-	-
4	66kV Lobeysa-Gewathang	08/04/2025 09:00hrs	08/04/2025 17:00hrs	-	-
5	220kV BHP-Tsirang	01/08/2025 09:00hrs	10/08/2025 17:00hrs	-	Further discussions required as it is in the peak generation
6	66kV Gewathang-BHP	27/10/2025 09:00hrs	27/10/2025 17:00hrs	-	-

3.7 TOMS-Semtokha, Thimphu

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	66kV Olakha-Changedaphu	02/06/2025 09:00hrs	04/06/2025 17:00hrs	-	-
2	220kV CHP-Birpara-I	15/04/2025 09:00hrs	20/04/2025 17:00hrs		
3	220kV CHP-Birpara-II	21/04/2025 09:00hrs	26/04/2025 17:00hrs		
4	66kV Semtokha-Olakha	04/08/2025 09:00hrs	07/08/2025 17:00hrs		
5	66kV kV Dechencholing-Damjee	05/05/2025 09:00hrs	07/05/2025 17:00hrs		
6	220kV CHP-Gedu	25/02/2025 09:00hrs	03/03/2025 17:00hrs	-	-
7	66kV CHP-Gedu	06/10/2025 09:00hrs	09/10/2025 17:00hrs		
8	220kV CHP-Jamjee	07/10/2025 09:00hrs	10/04/2025 17:00hrs		

9	66/33kV, 30 MVA trans.-I (DEN)	07/07/2025 09:00hrs	07/07/2025 17:00hrs	-	-
10	66/33kV, 30 MVA trans.-II(DEN)	08/07/2025 09:00hrs	08/07/2025 17:00hrs		
11	220kV CHP-Jamjee	08/12/2025 09:00hrs	13/12/2024 17:00hrs	-	-
12	66/11kV, trans.-I(DOC)	09/06/2025 09:00hrs	09/06/2024 17:00hrs		-
13	66kV Jamjee-Paro	09/09/2025 09:00hrs	11/09/2024 17:00hrs		-
14	220kV Semtokha-Jamjee	10/03/2025 09:00hrs	13/03/2024 17:00hrs		-
15	66/11kV, trans.-II(DOC)	10/06/2025 09:00hrs	10/06/2024 17:00hrs		
16	66/33kV, trans.-I(Paro)	09/09/2025 09:00hrs	09/09/2025 17:00hrs		
17	66/11kV, trans.-III(DOC)	11/06/2025 09:00hrs	11/06/2025 17:00hrs		
18	66kV Pangbesa-Haa	11/08/2025 09:00hrs	14/08/2025 17:00hrs	-	Coordination for Haa reliability required

19	66/33kV, trans.-I(OLA)	06/08/2025 09:00hrs	06/08/2025 17:00hrs		
20	66/33kV, trans.-II(Paro)	10/09/2025 09:00hrs	10/09/2025 17:00hrs		
21	66/11kV, trans.-IV(DOC)	12/06/2025 09:00hrs	12/06/2025 17:00hrs		
22	66/33kV, trans.-II(OLA)	07/08/2025 09:00hrs	07/08/2025 17:00hrs		
23	220kV CHP-Gedu	13/10/2025 09:00hrs	16/10/2025 17:00hrs		
24	220kV CHP-Jamjee	14/04/2025 09:00hrs	18/04/2025 17:00hrs		
25	66/33kV, trans.-I(CHA)	14/04/2025 09:00hrs	14/04/2025 17:00hrs		
26	66/33kV, trans.-I(CHA)	15/04/2025 09:00hrs	15/04/2025 17:00hrs		
27	66kV Jamjee-Pangbesa	16/06/2025 09:00hrs	19/06/2025 17:00hrs		Coordination for Haa reliability required
28	220kV CHP-Jamjee	17/03/2025 09:00hrs	24/03/2025 17:00hrs		

29	66/33kV, trans.-I(PAN)	17/06/2025 09:00hrs	17/06/2025 17:00hrs		
30	220kV CHP-Birpara-II	17/11/2025 09:00hrs	20/11/2025 17:00hrs		
31	66/33kV, trans.-II(PAN)	18/06/2025 09:00hrs	18/06/2025 17:00hrs		
32	66/11kV, trans.-II(Haa)	18/08/2025 09:00hrs	18/08/2025 17:00hrs		
33	66kV Semtokha-Dechencholing	19/05/2025 09:00hrs	20/05/2025 17:00hrs		Further discussion required during the execution as loads are affected
34	66/11kV, 5MVA transformer (Haa)	19/08/2025 09:00hrs	19/08/2025 17:00hrs		
35	66kV Bjemina-Changedaphu	21/04/2025 09:00hrs	24/04/2025 17:00hrs		
36	220/66kV, 50/63 MVA, trans-I (SEM)	21/07/2025 09:00hrs	22/07/2025 17:00hrs		
37	66kV Semtokha-Dochhula	22/09/2025 09:00hrs	24/09/2025 17:00hrs		

38	220kV CHP-Jamjee	22/12/2025 09:00hrs	26/12/2025 17:00hrs		
39	220/66kV, 50/63 MVA, trans-II (SEM)	22/07/2025 09:00hrs	23/07/2025 17:00hrs		
40	220kV Semtokha-BHP	27/04/2025 09:00hrs	30/04/2025 17:00hrs		On account of possible voltage instabilities during the high import and low CHP generation
41	66kV Bjemina-Jamjee	24/04/2025 09:00hrs	27/04/2025 17:00hrs		
42	66/33kV, 10 MVA Trans-I (Bjemina)	01/07/2025 09:00hrs	01/07/2025 17:00hrs		
43					
44	220kV CHP-Birpara - I	27/10/2025 09:00hrs	30/10/2025 17:00hrs		
45	66/11kV, 20 MVA, trans-2 (Semtokha)	28/05/2025 09:00hrs	29/05/2025 17:00hrs		
46	220/66kV, 40/50MVA trans (Semtokha)	28/07/2025 09:00hrs	29/07/2025 17:00hrs		

3.8 TOMS-Pling, Chukha

Sl. No.	Name of Element/ Feeder/Unit	From Date / Time	To Date / Time	Work Program	Remarks
1	66/33kV, 8MVA Transformer-I	01/04/2025 09:00hrs	02/04/2025 17:00hrs		
2	66kV Gomtu-Pling	01/10/2025 09:00hrs	04/10/2025 17:00hrs		
3	400kV Malbase-THP	01/12/2025 09:00hrs	10/12/2025 17:00hrs		
4	66/33kV, 5MVA Transformer-I(Damdum)	15/02/2025 09:00hrs	16/02/2025 17:00hrs	-	
5	220kV Samtse-Singhegaon	03/03/2025 09:00hrs	06/03/2025 17:00hrs	-	
6	66/33kV, 8MVA Transformer-2 (Gedu)	03/04/2025 09:00hrs	04/04/2025 17:00hrs		
7	220kV CHP-Birpara-I	27/10/2025 09:00hrs	31/10/2025 17:00hrs	-	-
8	220/66kV, 50/63 MVA Transformer-I (Malbase)	03/11/2025 09:00hrs	06/11/2025 17:00hrs	-	

9	66/33kV, 5MVA trans-2 (Damdum)	05/02/2025 09:00hrs	06/02/2025 17:00hrs	-	-
10	66/11kV, 5MVA trans-1 (Gedu)	05/04/2025 09:00hrs	06/04/2025 17:00hrs	-	-
11	400kV Main Bus (Malbase)	06/01/2025 09:00hrs	08/01/2025 17:00hrs	-	-
12	220kV Singhegaon-Malbase	06/02/2025 09:00hrs	07/02/2025 17:00hrs	-	-
13	400/220kV, 200 MVA ICT (Malbase)	06/10/2025 09:00hrs	12/10/2025 17:00hrs	-	-
14	66/11kV, 5 MVA trans-II (Gedu)	07/4/2025 09:00hrs	08/04/2025 17:00hrs	-	-
15	66kV Samtse-Jamtsholing	08/11/2025 09:00hrs	09/11/2025 17:00hrs	-	-
16	220kV CHP-Gedu	13/10/2025 09:00hrs	14/10/2025 17:00hrs	-	-
17	66kV Samtse-Gomtu	10/02/2025 09:00hrs	11/02/2025 17:00hrs	-	-
18	66kV Singhegaon-BFAL feeder	10/03/2025 09:00hrs	11/03/2025 17:00hrs	-	-

19	66kV Samtse-Jamtsholing	12/02/2025 09:00hrs	13/02/2025 17:00hrs	-	
20	66kV Singhegaon-BSMPL	12/03/2025 09:00hrs	13/03/2025 17:00hrs		
21	220/66kV, 50/63 MVA Transformer-II (Malbase)	12/11/2025 09:00hrs	13/11/2025 17:00hrs		
22	66/11kV, 10MVA trans-I (Malbase)	12/11/2025 09:00hrs	13/11/2025 17:00hrs		
23	400kV THP-Siliguri-I	14/03/2025 09:00hrs	22/03/2025 17:00hrs		
24	220/66kV, 50/63 MVA Transformer-I (Damdhum)	15/01/2025 09:00hrs	17/01/2025 17:00hrs		
25	220kV Bus Coupler	13/02/2025 09:00hrs	13/02/2025 17:00hrs	-	
26	66kV Singhegaon-BCCL feeder	14/03/2025 09:00hrs	15/03/2025 17:00hrs	-	-
27	66kV Pling-Malbase	14/04/2025 09:00hrs	15/04/2025 17:00hrs		
28	66/11kV, 10 MVA, Trans-2 (Malbase)	14/11/2025 09:00hrs	15/11/2025 17:00hrs		

29	220/66kV, 50/63 MVA Transformer-I (Singhegaon)	15/09/2025 09:00hrs	16/09/2025 17:00hrs		
30	66kV Samtse-Jamtsholing	15/11/2025 09:00hrs	15/11/2025 17:00hrs		
31	400kV THP-Siliguri-IV	15/12/2025 09:00hrs	26/12/2025 17:00hrs	-	
32	400kV Malbase-Siliguri-	15/12/2025 09:00hrs	26/12/2025 17:00hrs	-	
33	220/33kV, 80MVA Transformer-II (Gedu)	10/03/2025 09:00hrs	13/03/2025 17:00hrs	-	
34	66/33kV, 15MVA trans-I (Jamtsholing)	17/02/2025 09:00hrs	18/02/2025 17:00hrs	-	
35	66kV Pling-Gomtu	17/03/2025 09:00hrs	17/03/2025 17:00hrs	-	-
36	66kV Malbase-Pling	18/03/2025 09:00hrs	18/03/2025 17:00hrs	-	-
37	66kV Pling-Gedu	17/04/2025 09:00hrs	19/04/2025 17:00hrs	-	-
38	220/66kV, 50/63 MVA Transformer-II (Singhegaon)	17/09/2025 09:00hrs	18/09/2025 17:00hrs	-	-

39	66kV Samtse-Gomtu	17/11/2025 09:00hrs	18/11/2025 17:00hrs	-	-
40	220kV CHP-Birpara-2	17/11/2025 09:00hrs	22/11/2025 17:00hrs	-	-
41	220/66kV, 50/63 MVA Transformer-II (Malbase)	17/11/2025 09:00hrs	18/11/2025 17:00hrs	-	-
42	66/33kV, 15MVA trans-II (Jamtsholing)	19/02/2025 09:00hrs	20/02/2025 17:00hrs	-	-
43	66KV Samtse-Gomtu	19/03/2025 09:00hrs	20/03/2025 17:00hrs	-	-
44	220/66kV, 50/63 MVA Transformer-III (Singhegaon)	19/09/2025 09:00hrs	20/09/2025 17:00hrs	-	-
45	220/66kV, 50/63 MVA Transformer-II (Damdhum)	15/01/2025 09:00hrs	17/01/2025 17:00hrs	-	-
46	400kV Malbase-Siliguri	20/10/2025 09:00hrs	30/10/2025 17:00hrs		
47	66kV Jamtsholing-Samtse	24/02/2025 09:00hrs	24/02/2025 17:00hrs		
48	66/11kV, 5MVA transformer-I (Gomtu)	21/03/2025 09:00hrs	22/03/2025 17:00hrs		

49	66/33kV, 10 MVA trans-I (Pling)	21/04/2025 09:00hrs	22/04/2025 17:00hrs		
50	400kV THP-Siliguri-II	25/01/2025 09:00hrs	31/01/2025 17:00hrs		
51	66kV Jamtsholing-NIP	20/02/2025 09:00hrs	20/02/2025 17:00hrs		
52	66kV Gomtu-PCAL feeder	23/03/2025 09:00hrs	23/03/2025 17:00hrs		
53	66/33kV, 5 MVA trans-I (Pling)	23/04/2025 09:00hrs	24/04/2025 17:00hrs		
54	66/11kV, 10MVA transformer-I (Gomtu)	24/03/2025 09:00hrs	25/03/2025 17:00hrs	-	
55	220kV Malbase-Birpara	24/03/2025 09:00hrs	27/03/2025 17:00hrs	-	
56	66/11kV, 10MVA transformer-I (Singhegaon)	24/09/2025 09:00hrs	25/09/2025 17:00hrs	-	
57	66kV Malbase-Pasakha-I	24/11/2025 09:00hrs	27/11/2025 17:00hrs	-	
58	220kV Malbase-Gedu	29/04/2025 09:00hrs	30/04/2025 17:00hrs	-	May entail load curtailment

59	66/11kV, 5MVA transformer-I (Pling)	25/04/2025 09:00hrs	26/04/2025 17:00hrs	-	-
60	66/11kV, 10MVA transformer-II (Singhegaon)	26/09/2025 09:00hrs	27/09/2025 17:00hrs	-	-
61	66/11kV, 10/12.5MVA transformer-I (Pling)	28/04/2025 09:00hrs	29/04/2025 17:00hrs	-	-
62	220kV Bus Coupler (Dhamdhum)	28/02/2025 09:00hrs	28/02/2025 17:00hrs	-	-



Bhutan Power System Operator

འབྲུག་རྒྱལ་ཁབ་ཤུགས་འོད་ཟིན་ལྷན་ཁག་གི་འགན་ཁུར་།