

GENERATION POSITION AT PEAK (21:15HRS) SUNDAY 09/07/2017

	STATIONS	AVAILABLE UNITS	INSTALLED CAPACITY OF AVAILABLE UNITS (MW)	GENERATION CAPABILITY OF AVAILABLE UNITS(MW)	UNITS ON BAR	CAPABILITY OF UNITS ON BAR (MW)	GENERATION AT PEAK	REMARKS
1	KAINJI HYDRO	1G6,11 & 12 3	320	320	1G6, 11 & 12 3	320	198	1G5 - On planned outage. 1G7 - Out on station winding failure. 1G8 - Out due to loss of supply to the auxiliary. 1G9 - Out due to burnt 7.5MVA 33/0.415kV station service transformer and 183.6MVA 16/330kV generator transformer. 1G10 - Out due to thrust bearing temperature.
2	JEBBA HYDRO	2G2 - 5 4	386	380	2G2 - 5 4	380	380	2G1 - Out on maintenance. 2G6 - Burnt generator winding and AVR.
3	SHIRORO HYDRO	411G1 - 3 3	450	450	411G1 - 3 3	435	317	411G4 - Out on maintenance.
4	EGBIN STEAM	ST2 & 5 2	440	440	ST2 & 5 2	341	311	ST1 - Tripped on generator CB trouble. ST3- Tripped on vibration. ST4 - Out of production since 17/11/2016. ST5 - Generation reduced due to technical issue on the unit.
5	SAPELE (STEAM)	ST2 1	120	65	ST2 1	65	65	ST1 - Out due to generator breaker problem. ST3 - Undergoing rehabilitation. ST4 & 5 - Awaiting major overhaul. ST6 - Tripped and shut down on gas control valve not following reference point.
6	DELTA (GAS)	GT4, 7, 8 - 13, 15, 16, 18 & 19 12	615	575	GT4, 7, 10 - 13, 15, 16 & 19 9	435	390	GT3 & 5 – Shut down due to generator winding fault. GT8, 9 & 18 - Out for frequency management. GT6 - Out on maintenance. GT14 - Out on major overhaul. GT17 - Tripped on excitation trouble. GT20 - Out on major inspection.
7	AFAM IV-V (GAS)	0 0	0	0	0 0	0	0	GT1-12 - De-commissioned and scrapped. GT13 -16 – Out on blade failure. GT17 & 18 - Out due to burnt generator transformer. GT19 & 20 - Awaiting major overhaul.
8	GEREGU GAS	GT11 - 13 3	435	435	GT12 & 13 2	292	292	GT11 - Out for frequency management.
9	OMOTOSHO GAS	GT1 - 8 8	336	304	GT2,6 & 7 3	114	59.9	GT1 & 8 - Out due to gas constraints. GT3, 4 & 5 - Out for frequency management.
10	OLORUNSOGO GAS	GT1 - 8 8	336	304	GT2, 6 & 8 3	114	99.3	GT1, 3 - 5 & 7 - Out for frequency management.
11	GEREGU NIPP	GT21 - 23 3	435	435	GT23 1	146	146	GT21 & 22 - Out due to gas constraints.
12	SAPELE NIPP	GT2 1	112.5	112.5	GT2 1	112.5	109.5	GT1 - Out on undisclosed fault. GT3 - Out on bearing lift pump trouble. GT4 - Tripped as a result of tripping of its auxiliary breaker.
13	ALAOJI NIPP GAS	GT1, 2 & 4 3	375	360	GT4 1	102.6	102.6	GT1 & 2 - Out due to gas constraints. GT3 - Shut down due to generator air inlet filter trouble.
14	OLORUNSOGO NIPP GAS	GT1 - 3 3	375	360	GT1 & 3 2	240	223.3	GT2 - Out for frequency management. GT4 & ST2 - Out of production since 25/10/2016.
15	OMOTOSHO NIPP GAS	GT1, 2 & 4 3	375	360	GT2 1	120	67.6	GT3 - Out of production since 28/11/2016. GT1 & 4 - Out due to gas constraints.
16	ODUKPANI NIPP	GT2, 3 & 5 3	375	360	GT3 1	120	115.5	GT1 - Shut down due to exhaust frame pressure switch trouble. GT2 & 5 - Out for frequency management. GT4 - Out due to unit transformer problem.
17	IHOVBOR NIPP	GT1-3 3	337.5	337.5	GT2 1	112.5	90.5	GT1 & 3 - Out for frequency management. GT2 - On frequency management. GT4 - Out on maintenance.
18	OKPAI GAS/STEAM	GT11, 12 & ST18 3	450	450	GT12 & ST18 2	367	324	Generation limited to 367MW due to unavailability of one boiler.
19	AFAM VI GAS/STEAM	GT11 - 13 & ST10 4	650	650	GT12 & 13 2	300	245	GT11 & ST10 - Out for frequency management.
20	IBOM POWER GAS	GT2 & 3 2	150	150	GT3 1	115	96	GT2 -Out due to line constraints.
21	ASCO	0 0	0	0	0 0	0	0	GT1 - Shut down due to leakage in the furnace.
22	A. E.S GAS	0 0	0	0	0 0	0	0	Out of production since 27/09/2014.
23	OMOKU GAS	GT1-3 & 5 4	100	80	GT1-3 & 5 4	80	72	GT4 - Out for overhaul. GT6 - Tripped on over voltage.
24	TRANS-AMADI	GT4 1	25	19.9	GT4 1	19.9	19.9	Available unit on bar.
25	RIVERS	0 0	0	0	0 0	0	0	Out of production since 16/09/2016.
26	GBARAIN NIPP GAS	GT2 1	112.5	112.5	GT2 1	110.2	110.2	Available unit on bar.
TOTAL		78	7310.5	7060.4	49	4441.7	3834.3	Frequency = 50.20Hz.

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27	Egbin	ST6 1	220	220	ST6 1	216	216	Available unit on bar.
28	Paras Energy	GT2 - 9 8	72	72	GT3 - 9 7	64.4	64.4	GT2 - On standby.
	TOTAL	9	292	292	8	280.4	280.4	
	GRAND TOTAL	87	7602.5	7352.4	57	4722.1	4,114.70	Frequency = 50.20Hz.

**** Do not delete the figure below

7352.4

4722.1