

GENERATION POSITION AT PEAK (21:45HRS) TUESDAY 13/06/2017

	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	1G5, 11 & 12 3	320	320	1G5, 11 & 12 3	320	216	1G6 - Out on maintenance. 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	2G1- 5 5	482	450	2G1, 3 & 5 3	259	259	2G2 & 4 - Shut down for frequency management. 2G6 - Burnt generator winding and AVR.
3	SHIRORO HYDRO	411G1 & 2 2	300	270	411G1 & 2 2	189	189	411G3 & 4 - Out on maintenance.
4	EGBIN STEAM	ST2, 3 & 5 3	660	660	ST2 & 3 2	440	356	ST1 - Tripped on generator CB trouble. ST4 - Out of production since 17/11/2016. ST5 - Out due to gas constraints.
5	SAPELE (STEAM)	ST2 1	120	56	ST2 1	56	56	ST1 - Tripped on low control oil pressure. 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, 6, 8 -11, 15, 16, 18 & 19 10	550	520	GT4, 8 -11,13, 15, 16, 18 & 19 9	520	456	GT3 & 5 – Shut down due to generator winding fault. GT6 - Out on gas constraints. GT7 - Tripped due to loss of flame. GT12 -Shut down due to gas leakage from combustion chamber. 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	GT12 & 13 2	290	290	GT12 & 13 2	290	256	GT11 - Shut down for maintenance work.
9	OMOTOSHO GAS	GT1 - 8 8	336	304	GT2, 3 & 5 - 8 6	228	212.8	GT1 & 4 - Out due to gas constraints.
10	OLORUNSOGO GAS	GT1 - 5, 7 & 8 7	294	266	GT1 - 4, 7 & 8 6	228	201.7	GT5 - Out due to gas constraints. GT6 - Out on vibration trouble.
11	GEREGU NIPP	GT21 - 23 3	435	435	GT23 1	147	147	GT21 & 22 - Out due to gas constraints.
12	SAPELE NIPP	GT2 1	112.5	112.5	GT2 1	112.5	92.7	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	GT1 1	120	95.8	GT2 & 4 - Out due to gas constraints. GT3 - Shut down due to generator air inlet filter trouble.
14	OLORUNSOGO NIPP GAS	GT1 - 3 3	375	360	GT2 & 3 2	225.1	225.1	GT4 & ST2 - Out of production since 25/10/2016.
15	OMOTOSHO NIPP GAS	GT1, 2 & 4 3	375	360	GT1 & 2 2	240	149.7	GT3 - Out of production since 28/11/2016. GT4 - Out due to gas constraints.
16	ODUKPANI NIPP	GT1, 2, 3 & 5 4	500	480	0 0	0	0	GT1 - Shut down due to oil leakage on lube oil return line of the unit. GT3 - Shut down due to high frequency. GT4 - Out due to unit transformer problem.
17	IHOVBOR NIPP	GT2 1	112.5	112.5	GT2 1	112.5	112.4	GT1 - Shut down due to generator resistance detector fault. GT3 - Out on fault. GT4 - Out on maintenance.
18	OKPAI GAS/STEAM	GT11 & 12 2	300	300	GT11 & 12 3	300	268	Available units on bar. ST18 - Tripped due to internal fault.
19	AFAM VI GAS/STEAM	GT11 - 13 & ST10 4	650	650	GT11 1	149	149	GT12, 13 & ST10 - Out due to gas constraints.
20	IBOM POWER GAS	GT2 & 3 2	150	150	GT3 1	115.3	98.1	GT2 - Shut down due to cut jumper conductor at Eket T/S.
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 & 6 5	125	100	GT1 - 3, 5 & 6 5	100	91.6	GT4 - Out for overhaul.
24	TRANS-AMADI	0 0	0	0	0 0	0	0	Out of production since 20/11/2016.
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	0 0	0	0	GT2 - Out due to line constraints.
TOTAL		73	6974.5	6668.5	52	4151.4	3631.9	Frequency = 50.08Hz.

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27	Egbin	ST6 1	220	220	ST6 1	211	211	Available unit on bar.
28	Paras Energy	GT3 - 9 7	63	63	GT3-9 7	62.3	62.3	GT2 - Shut down due to high exhaust gas.
	TOTAL	8	283	283	8	273.3	273.3	
	GRAND TOTAL	81	7257.5	6951.5	60	4424.7	3,905.20	Frequency = 50.08Hz.

**** Do not delete the figure below

6951.5

4424.7