

Report Date :
 WEDNESDAY
 16-11-11

A. PEAK DATA			
	MW	Mvar	Time
TOTAL GENERATION AT PEAK	1554.5	738.8	20.15 h
GHANA PEAK LOAD AND TIME	1577.5	784.8	20.15 h
CEB GENERATION	109.0	33.0	20.15 h
GHANA/CEB SYSTEM PEAK LOAD AND TIME	1686.5	817.8	20.15 h
VALCO LOAD AT PEAK	63.6	22.0	20.15 h
CIE SUPPLY WHEELED TO CEB AT PEAK	0.0	0.0	20.15 h
CIE SUPPLY TO GHANA AT PEAK	23.0	46.0	20.15 h
NIGERIA SUPPLY TO CEB AT PEAK	165.0	54.0	20.15 h
GHANA SUPPLY TO CIE AT PEAK	0.0	0.0	20.15 h
CEB LOAD AT PEAK	327.0	127.0	20.15 h
GHANA SUPPLY TO CEB AT PEAK	53.0	40.0	20.15 h
CEB SUPPLY TO GHANA AT PEAK	0.0	0.0	20.15 h
DOMESTIC LOAD AT PEAK	1460.9	722.8	20.15 h
DOMESTIC PEAK LOAD AND TIME	1460.9	722.8	20.15 h

B. SYSTEM FREQUENCY	
FREQUENCY (Hz)	PERCENTAGE OF TIME (%)
> 51.0	0.00
50.5 - 51.0	0.00
50.2 - 50.5	0.35
49.8 - 50.2	96.52
49.5 - 49.8	3.13
49.0 - 49.5	0.00
< 49.0	0.00

C. UNIT LOADING AT PEAK

HYDRO UNITS										TOTAL HYDRO		
AKOSOMBO GS							KPONG GS					
UNIT	1G1	1G2	1G3	1G4	1G5	1G6	TOTAL	19G1	19G2	19G3	19G4	TOTAL
MW	143	142	86	145	146	141	803	33	33	30	32	128
Mvar	64	78	55	78	83	86	444	14	14	15	14	57
Power Factor	0.91	0.88	0.84	0.88	0.87	0.85	0.88	0.92	0.92	0.89	0.92	0.91
Tot. Gen (GWh)	17.910										2.763	
Discharge (cfs)	43,847.09										39,809.19	

THERMAL UNITS													TOTAL THERMAL
TAKORADI THERMAL				TICO			MINES RESERVE PLANT				TT1PP		
UNIT	32G1	32G2	32G3	TOTAL	32G4	32G5	TOTAL	46G1	46G2	46G3	TOTAL	47G1	
MW	99	104	0	203	80	94	174	16	0	13	29	75	
Mvar	42	28	0	70	49	48	97	2	0	0.8	3	35	
Power Factor	0.92	0.97		0.95	0.85	0.89	0.87	0.99		1.00	1.00	0.91	
Tot. Gen (GWh)	4.491				2.940			0.159				1.580	
LCO used (m ³)	776.59				1037.58							0.00	
DFO used (Its)	10,650				2,900			68,387				0	
Gas used (m ³)	694,802				0							622,755	

TT2PP							SUNON ASOGLI POWER PLANT						TOTAL THERMAL
UNIT	50G1	50G2	50G3	50G5	50G6	TOTAL	51G1	51G2	51G3	51G4	51G5	51G6	
MW	0.00	0.00	7.10	7.50	0.00	14.60	28.50	28.60	30.00	28.30	0.00	12.60	128.00
Mvar	0.00	0.00	3.10	2.80	0.00	5.90	5.70	6.70	6.20	6.20	0.00	2.60	27.40
Power Factor			0.92	0.94		0.93	0.98	0.97	0.98	0.98		0.98	0.98
Tot. Gen (GWh)	0.346						2.962						
LCO used (m ³)							100						
DFO used (Its)							4,900						
Gas used (m ³)							750,660						

ERPP				TRPP				KRPP				TOTAL THERMAL
NO. OF UNITS	MW	Mvar	Power Factor	NO. OF UNITS	MW	Mvar	Power Factor	NO. OF UNITS	MW	Mvar	Power Factor	
0	0	0	0.000	0	0	0	0.000	0	0	0	0.000	
Tot. Gen (GWh)			0.000	Tot. Gen (GWh)			0.000	Tot. Gen (GWh)			0.000	
DFO used (Its)			0	DFO used (Its)			0	DFO used (Its)			0	

CEB GENERATION						TOTAL CEB
NO. OF UNITS	NANGBETO	TOGO TAG	SBEE	CEET	CONTOUR G	
2	0	0	0	0	3	
MW	64	0	0	0	45	
Mvar	11	0	0	0	22	
Power Factor	0.99				0.90	
Tot. Gen (GWh)	1.167	0.000	0.000	0.000	0.227	

D. SYSTEM VOLTAGES AT PEAK									
(NOTE: VOLTAGES OUTSIDE THE NORMAL LIMITS ARE SHOWN HIGHLIGHTED)									
NOMINAL VOLTAGE (kV) >>		161	225	330	161	34.5	11.5		
voltages at selected nodes	AKOSOMBO	164			ACHIMOTA	155	33.1		
	KPONG GS	165			MALLAM	148	32.4		
	VOLTA	156		310	NEW TEMA	157	33.5		
	PRESTEA	152	202		KUMASI	141	31.3		
	ABOAZE	160			TAKORADI	161	33.8		
	NEW OBUASI	145			KENYASE	138		11.0	
	TAFU	156			TECHIMAN	158	34.7		
					TAMALE	135	33.8		
					BOLGATANGA	138	33.4		

E. ENERGY EXCHANGES (GWh)		F. TOTAL GENERATION (GWh)	
Energy Export to CIE	0.0000	HYDRO	20.673
Energy Import from CIE	0.0000	THERMAL	12.479
Energy wheeled to CEB	0.0000	TOTAL	33.152
		CEB	1.394
Exchange Programme		THURSDAY	17-11-11
00.00 h - 24.00 h : 0 MW			

G. HYDROLOGY DATA				THURSDAY 17-11-11	
	AKOSOMBO		NANGBETO		
	(ft)	(m)	(ft)	(m)	
Present Headwater Elevation:	274.30	83.61	470.57	143.43	
Previous Headwater Elevation:	274.35	83.62	470.90	143.53	
Tailwater Elevation:	49.50	15.09			
Change in Lake Elevation:	-0.05	-0.02	-0.33	-0.10	

H. FORECASTS		THURSDAY 17-11-11	
Total Available Capacity		1,728.00	MW
Forecast Peak Demand		1,640.00	MW
Reserve/Deficit		88.00	MW

I. MAJOR INCIDENTS

No.	Equipment ID	Description of Event	Time out	Time restored	Remarks
1	8T1 bank	Taken out of service to provide safe working space for work on 8F1 feeder.	08.44 h	14.14 h	
2	47G1 unit	Tripped when attempt was made to transfer fuel from gas to LCO. <i>No Relay Indication</i>	09.28 h	11.03 h	
3	22T1 bank	Taken out of service to connect oil treatment plant on 22TSS1 transformer terminal block.	14.28 h	15.00 h	
4	51G4 unit	Tripped due to fault on 'Mark 6' controller. <i>No Relay Indication</i>	16.00 h	18.37 h	
5	51G6 unit	Tripped due to auto trip to 51G4 unit. <i>NOTE: 51G4 was the only gas-fired unit running in combined cycle with the 51G6 steam turbine unit.</i>	16.00 h	18.37 h	
6	1G3 unit	Which was taken out of service to replace the governor was restored to service for load rejection test. h	16.24 h	Taken out of service at 01.19 h 09-11-11

J. AFLS OPERATIONS

Feeder ID	Description of Event	Time Out	Time restored	Load Lost (MW)
	None			

K. MISCELLANEOUS

VALCO gave load relief of 10 MW from 18.05 h to 23.43 h due to insufficient generation caused by low fuel levels at Aboadze.