

C.E. (System Control Centre),



**REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE**

Power Station: **Kotmale Power Station** Date: 10/10/2014 Time: hrs 12:10

**Failure at a Glance:** At 12:10 hrs Upper Kotmale line 02 (220 kV CB 410 tripped and CB 430 was in open position) tripped.

**Pre-fault condition:**

Generators

Unit No.	MW	MVAr	Voltage kV	AVR on/off	Governor	Remarks
01	65	35	14.0	ON	AUTO	-
02	-	-	-	-	-	-
03	-	-	-	-	-	-

Transmission Lines

Transmission Line	MW	MVAr	A	kV
Vic 01	40	37	153	223
Vic 02	40	36	150	221
Anu 01	-27	26	101	221
Anu 02	-27	26	100	221
Biy 01	-83	-97	342	221
Biy 02	-80	-98	343	220
UK 01	39	18	106	222
UK 02	39	16	109	223

(b). Nature of failure:

Equipment	Auto/Man trip	Time of tripping	Indications/Remarks
Upper Kotmale line 02	Auto	12:10 hrs	At Control room Upper Kotmale line 02  1 <sup>st</sup> Main Protection Operated 2 <sup>nd</sup> Main Protection Operated  At Relay room Upper Kotmale line 02 • WL31 + RAB8 - Main 1 protection Diff Trip – Red Indication Ground Fault – Yellow Indication - Main 02 protection Ground Fault – Red Indication ZM03 Trip – Red Indication

3. Restoration

Equipment	Restored time
CB 410	12:50 hrs

4. Brief description of incident by officer in charge [OEE] at that time:

220 kV Circuit Breaker 410 tripped due to activation of 1<sup>st</sup> and 2<sup>nd</sup> Main Protection of Upper Kotmale line 02. As instructed by SCC, CB 410 closed at 12:50 hrs after resetting the indications.

*In Coy. Director's Office*

5. Remedial actions taken to avoid reoccurrence of such failure / [EE (M)'s note]:

*This was due to the ground fault occurred in UKPH Line 2. No faults appeared in Kotmale. sy.*

*Qib*  
*14/10/14*

6. Remarks

*This is due to out of area disturbance in the UKPH line 2.*

*[Handwritten signature]*

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**CHIEF ENGINEER**  
Kotmale Power Station  
Ceylon Electricity Board  
**MAWATURA**

Date: 2014/10/10

Copy: DGM (MC) – f.i. Pl.