

C.E. (System Control Centre),



**REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE**

Power Station: **Kotmale Power Station**

Date: 05/12/2014

Time: 16:03 hrs

**1. Failure at a Glance:** At 16:03 hrs Biyagama line 2 tripped. CBs 610 and 630 were opened and remained in open position.

**2. Pre-fault condition:**

Generators (16:00hrs)

Unit No.	MW	MVar	Voltage kV	AVR on/off	Governor	Remarks
01	55	30	14.0	On	Ep1 Auto	Freq control
02	67	35	14.0	On	Ep2 Auto	-
03	-	-	-	-	-	-

Transmission Lines (Readings taken at 16:00 hrs)

Transmission Line	MW	MVar	A	kV
Vic 01	131	42	373	223
Vic 02	131	40	376	221
Anu 01	12	37	110	221
Anu 02	-	-	-	-
Biy 01	239	116	717	220
Biy 02	235	121	720	221
UK 01	52	32	155	222
UK 02	52	31	158	222

Nature of failure:

Equipment	Auto/ Man trip	Time of tripping	Indications/Remarks
Biyagama line 02	Auto	16:03 hrs	<b>At Control room</b> <ul style="list-style-type: none"><li>• 1<sup>st</sup> Main Protection Operated</li></ul> <b>At Relay room</b> <b>Biyagama line 02 Protection Panel</b> <b>871 Diff. Main 1 Relay</b> <ul style="list-style-type: none"><li>• General Trip</li><li>• R Pickup</li><li>• Y Pickup</li><li>• B Pickup</li><li>• N Pickup</li><li>• Career Received</li></ul>

Biyagama line 01	N/A	N/A	<b>At Relay room</b> <b>Biyagama line 01 Protection Panel</b> <b>871 Diff. Main 1 Relay</b> <ul style="list-style-type: none"> <li>• N Pickup</li> <li>• Career Received</li> </ul>
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**3. Restoration**

Equipment	Restored time
CB 610 & CB 630	16:15hrs

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

Biyagama Line 2 tripped with the indication 1<sup>st</sup> main protection operated at control room. Switched on the line after resetting the indications with the consent of SCC.

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

The tripping may be due to an outside disturbance. No faults were detected in Kotmale switchyard.

*[Signature]*  
08/12/2014

*2014/12/05  
05-12-2014  
FF (V)*

**6. Remarks**

Fault was detected as an outside disturbance.

*[Signature]*

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**CHIEF ENGINEER**  
 Kotmale Power Station  
 Officer In-Charge of the Power Station  
 Ceylon Electricity Board  
 MAWATURA

Date: 2014/12/05

Copy: DGM (MC) – f.i. Pl.