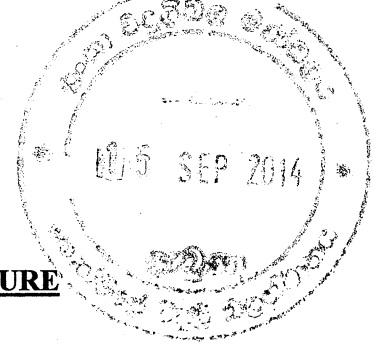


C.E. (System Control Centre),



REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station**

Date: 12/09/2014

Time: 15:20 hrs

1. Failure at a Glance: At 15:20 hrs, Biyagama line 02 (220 kV circuit breaker 630) tripped. CB 630 breaker was not auto re-closed and remained in opened position. At this time, CB110, CB210, CB310, CB410, CB520, CB530 and CB 610 were in off condition as instruction given by system control centre under the 220kV protection development project ongoing works.

2. Pre-fault condition:

Generators

Unit No.	MW	MVar	Voltage kV	AVR on/off	Governor	Remarks
01	-	-	-	-	-	-
02	-	-	-	-	-	-
03	-	-	-	-	-	-

Transmission Lines (Readings taken at 15:00 hrs)

Transmission Line	MW	MVar	A	kV
Vic 01	57	24	171	223
Vic 02	56	22	168	222
Anu 01	38	25	121	221
Anu 02	38	25	119	222
Biy 01	0	0	0	0
Biy 02	107	-143	497	221
UK 01	39	19	109	223
UK 02	39	18	112	222

Nature of failure:

Equipment	Auto/ Man trip	Time of tripping	Indications/Remarks
Biyagama line 02	Auto	15:20 hrs	At Control room Annunciation window Bay 6 <ul style="list-style-type: none">• 1st Main Protection operated• Inter-trip received• Final Trip• VT under voltage At Relay room Biyagama line protection =WL51 +RAC7 <ul style="list-style-type: none">• Ground fault

3. Restoration

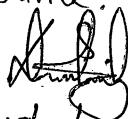
Equipment	Restored time
CB 630	15:48 hrs

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

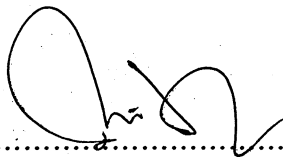
System control center instructed to on CB110 and CB310. When, CB 110 was closed, CB 630 tripped and CB 110 also tripped. Above mentioned indications were appeared. As instructed by SCC, indications were cleared and CB 630 was closed at 15:48 hrs.

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

Tripping may occurred due to an outside disturbance.


15/09/2014

6. Remarks

 15/9/14

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Officer In-Charge of the Power Station

Date: 2014/09/12

for **CHIEF ENGINEER**
Copy: DGM (MC) – f.i. P1Koumale Power Station
Ceylon Electricity Board
MAWATURA