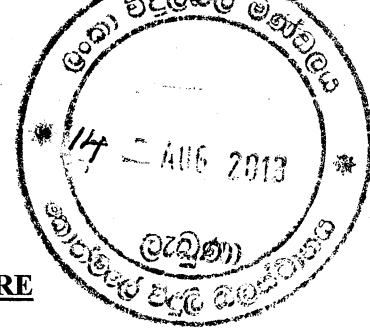
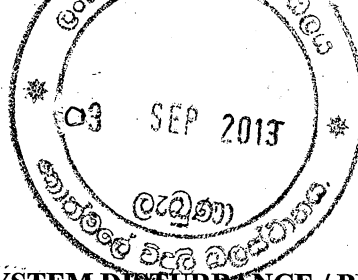


C.E. (System Control Centre),



REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station** Date: 13/08/2013 Time: 15:26 hrs

Failure at a Glance: At 15:26 hrs Unit 03 with CBs 520 and 530 tripped.

Handwritten signature/initials

Pre-fault condition:

Generators

Unit No.	MW	MVar	Voltage kV	AVR on/off	Governor	Remarks
01	62	30	13.4	ON	Auto	-
02	64	25	13.0	ON	Auto	-
03	48	25	13.6	ON	Auto	Frequency Control

Transmission Lines

Transmission Line	MW	MVar	A	kV
Vic 01	145	52	420	220
Vic 02	143	50	410	218
Anu 02	81	22	220	218
Biy 01	252	122	760	217
Biy 02	248	126	760	217
UK 01	61	28	170	219
UK 02	61	27	170	219

(b). Nature of failure:

Equipment	Auto/Man trip	Time of tripping	Indications/Remarks
Unit 03	Auto	15:26 hrs	<p>At Power House</p> <p>Red indications:</p> <ul style="list-style-type: none"> • Turbine Governor Fault • Excessive Vibration • Inlet Valve Closing Trip • Emergency shutdown <p>White indications:</p> <ul style="list-style-type: none"> • Turbine governor faulty <p>Flags</p> <ul style="list-style-type: none"> • RBC.5.D9.101.307 – Vibration • RBC.5.D9.101.313 – Turb. Gov. Fault <p>At Control room</p> <ul style="list-style-type: none"> • Mechanical trip relay operated • Emergency shut down

3. Restoration

Equipment	Restored time
CB520, 530	15:42 hrs
Unit 03	17:00 hrs

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

Informed SCC that, machine is available after cancelling the indications and inspections by maintenance staff. At 15:42 hrs CBs 520 and 530 were closed. Unit 03 was started at 17:00 hrs and synchronized at 17:05 hrs.

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

Purline governor control mechanism for any maloperation (intermittent) is under investigation.

~~MUNDA~~
29/8/13
CHIEF ENGINEER
Ceylon Electricity Board
MAWATURA

6. Remarks

fault is under investigation

.....
Officer In-Charge of the Power Station

Date: 13/08/2013

CHIEF ENGINEER
Copy: DGM (MC) – ~~Kin~~ Hale Power Station
Ceylon Electricity Board
MAWATURA