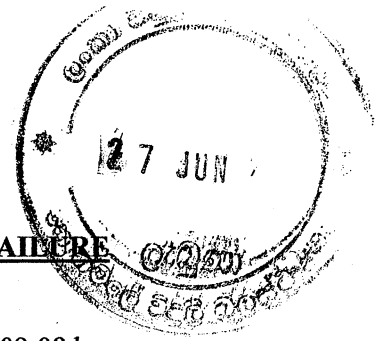


C.E. (System Control Centre),



REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station**

Date: 27/06/2016 Time: 09:08 hrs

Failure at a Glance:

At 09:08 hrs, Unit 03 tripped during auxiliary supply changeover.

Pre-fault condition:

Generators:

Readings at 09:07:00 hrs (MW & MVar from SCADA trend graphs, other readings are as per operator observations)

Unit No.	MW	MVar	Voltage kV	AVR on/off	Governor	Remarks
01	-	-	-	-	-	
02	-	-	-	-	-	
03	30.4	23.6	13.8	ON	Auto,ep2	

Transmission Lines:

Readings at 09:07 hrs (as per SCADA trend graphs)

Transmission Line	MW	MVar	A	kV
Vic 01	38.7	10.2	111	228.1
Vic 02	37.9	8.8	109	226.7
Anu 01	7.1	7.5	37	225.9
Anu 02	7.4	6.7	36	226.1
UK 01	33.0	12.3	83	227.5
UK 02	32.6	10.5	85	227.8
Biy 01	187.2	85.6	554	225.9
Biy 02	-	-	-	-

(b). Nature of failure:

Equipment	Auto/ Man trip	Time of tripping	Indications/Remarks
Unit 3	Auto	09:08	At Power House <ul style="list-style-type: none">Emergency Shutdown At Control Room <ul style="list-style-type: none">Mechanical Trip Relay OperatedEmergency ShutdownGovernor Oil System AbnormalNon Urgent Electrical FaultNon Urgent Mechanical Fault540 Trip Circuit FaultyCable Protection Faulty

3. Restoration

Equipment	Restored time
Unit 3	09:16 hrs

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

At 09:08 hrs, Unit 03 tripped during auxiliary supply changeover. Once the auxiliary supply was restored all the indications were cleared and Unit 3 was started at 09:16 hrs.

John Dumb 27-06-2016


Eng. I.A.B.M.S. HALAGEDARA
Electrical Engineer (Operations)
Kotmale Power Station

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


This was due to failure of Governor supply when Auxiliary supply is changing. This fault was cleared on 27/06/2016. The fuse location is between battery bank and 220V DC bus bar was burnt. replaced and cleared the fault.

6. Remarks

Fault identified & cleared. Arranged to check the fuse at every R/M.



Eng. T. U. R. PEIRIS
Electrical Engineer (C&I)
Kotmale Power Station


.....
Officer In-Charge of the Power Station
Eng. C. S. GUNASEKARA
Chief Engineer
Kotmale Power Station

Date: 27/06/2016

Copy: DGM (MC) - f.i. Pl.