

C.E. (System Control Centre),

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04 JAN 2017

REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station** Date: 04/01/2017 Time: 07:46 hrs

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EB/OS
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a11/12

Failure at a Glance: At 07:46 hrs. Unit 03 –tripped.

Pre-fault condition:

Generators:

Readings at 07:45 hrs

Unit No.	MW	MVar	Voltage kV	AVR on/off	Governor	Remarks
01	-	-	-	-	-	
02	-	-	-	-	-	
03	37	0		ON	Auto,ep1	Frequency Control

Transmission Lines:

Readings at 07:45 hrs

Transmission Line	MVar	MW	A	kV
Vic 01	15.3	-23.8	68	224.2
Vic 02	15.3	-24.5	68	223.5
Anu 01	8.1	30.5	88	223.0
Anu 02	7.4	30.7	87	223.9
UK 01	0	0	0	225.4
UK 02	0	0	0	224.8
Biy 01	30.2	28.7	109	223.6
Biy 02	29.4	27.5	111	223.2

(b). Nature of failure:

Equipment	Auto/ Man trip	Time of tripping	Indications/Remarks
Unit 03	Auto	07:46	<p>At Power House</p> <p>Red Indications</p> <ul style="list-style-type: none"> Inlet Valve closing trip High Bearings Temp (therm) <p>White Indications</p> <ul style="list-style-type: none"> Turbine head cover level high TGB oil level high/low <p>At Control Room</p> <p>White Indications</p> <ul style="list-style-type: none"> Mechanical trip relay operated

ME
EE(C&I)
EE(M)
EE(O)
EE(NII)
SO
CC
SK
For Your Information and Necessary actions Please
CE (Kotmale)
Date

3. Restoration

Equipment	Restored time
Unit 03	U3 was taken for R/M after the tripping at 07:46 hrs and U3 will be restored after the routine maintenance (16:00hrs).

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

At 07:46 hrs, Unit 03 at Kotmale Power Station tripped with indications mentioned above.

S. J. 04/01/2017
 Eng. M. W. B. K. WICKRAMASEDARA
 Electrical Engineer (Operations)
 Kotmale Power Station
 Electricity Board

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

verified operation of submersible pumps. (on/off units)

6. Remarks - Turbine pit water level had risen (submersible pumps were not operating) and water spilled into the TCB sump tank caused tripping the unit by high temperature.

ME
 05/01/2017



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 Officer In-Charge of the Power Station

Date: 04/01/2017

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