

C.E. (System Control Centre),



REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station**

Date: 03/07/2016 Time: 13:56 hrs

Failure at a Glance:

At 13:56 hrs, Anuradhapura Line 01 tripped.

Pre-fault condition:

Generators:

Readings at 13:55:30 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	30.0	10.0	13.8	ON	Auto,ep2	

Transmission Lines:

Readings at 13:55:30 hrs (as per SCADA trend graphs)

Transmission Line	MW	MVar	A	kV
Vic 01	50.0	14.7	142	228.4
Vic 02	49.2	13.5	140	227.1
Anu 01	27.0	9.9	81	226.4
Anu 02	27.3	9.8	80	226.6
UK 01	-	-	-	228.0
UK 02	-	-	-	228.3
Biy 01	95.0	34.3	266	226.3
Biy 02	93.6	35.4	270	226.2

(b). Nature of failure:

Equipment	Auto/Man trip	Time of tripping	Indications/Remarks
Anuradhapura 01	N/A	13:56	At Control Room <ul style="list-style-type: none"> • 1st Main Protection Operated • 2nd Main Protection Operated • Auto Reclose Operated • 110 Trip Circuit Faulty • 120 Trip Circuit Faulty At Relay Room <ul style="list-style-type: none"> • General Trip • B Pickup • N Pickup • Diff. Trip • Zone 1/ Z1B Tripped • 21/ 67N CR Send • 21/ 67N CR Receive

ME	
EE(C&I)	
EE(M)	<input checked="" type="checkbox"/>
EE(O)	<input checked="" type="checkbox"/>
EE(NII)	
SO	
CC	
SK	
For Your Information and Necessary actions Please	
CE (Kotmale)	
Date	11/7/16

3. Restoration

Equipment	Restored time
Anuradhapura 01	14:16 hrs

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

At 13:56 hrs Anuradhapura Line 01 tripped. During the investigation above mentioned alarms and indications were observed. After resetting the alarms, Anuradhapura Line 01 was restored at 14:16 hrs.

S. J.
03/07/2016
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කොත්මලේ විදුලි බලාගාරය
ලංකා විදුලිබල මණ්ඩලය - මාවත

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

Happened due to outside disturbance

[Signature]
12/07/2016
ENG. U.S. DUNUKEDENIYA
Electrical Engineer (Maintenance)
Kotmale Power Station

6. Remarks

Fault is due to an outside disturbance.

[Signature]

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

Date: 03/07/2016

Copy: DGM (MC) – f.i. Pl.