

C.E. (System Control Centre),

REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station** Date: 23/09/2015 Time:15:23 hrs

Failure at a Glance: At 15:23 hrs Anuradhapura Line 1 tripped from Kotmale with indications 1st, 2nd main protection operated and Backup protection operated at control room.

Pre-fault condition:

Generators:

Readings at: 15:00 hrs

Unit No.	MW	MVar	Voltage kV	AVR on/off	Governor	Remarks
01	56	25	14	on	auto	-
02	55	20	14	on	auto	-
03	25	-	13.6	on	Manual	-

Transmission Lines:

Readings at: 15:00 hrs

Transmission Line	MVar	MW	A	kV
Vic 01	34	03	98	225
Vic 02	34	03	96	224
Anu 01	26	-03	76	224
Anu 02	26	-03	77	224
UK 01	04	39	96	225
UK 02	02	39	98	225
Biy 01	83	-108	363	223
Biy 02	85	-104	365	224

(b). Nature of failure:

Equipment	Auto/ Man trip	Time of tripping	Indications/Remarks
Anuradhapura 2	Auto	15:23 hrs	At Control Room <ul style="list-style-type: none">• 1st/2nd Main Protection Operated• Backup Protection Operated At Relay Room: <ul style="list-style-type: none">• F871 Main 1 Protection<ul style="list-style-type: none">○ General Trip○ Y Pickup○ N Pickup○ Zone 1/Z1B Trip○ Diff. Trip

Anuradhapura 2	Auto	15:23 hrs	<p>At Control Room</p> <ul style="list-style-type: none"> • 1st/2nd Main Protection Operated • Backup Protection Operated <p>At Relay Room:</p> <ul style="list-style-type: none"> • F871 Main 1 Protection <ul style="list-style-type: none"> ○ General Trip ○ Y Pickup ○ N Pickup ○ Zone 1/Z1B Trip ○ Diff. Trip ○ 21/67 NCR Receive ○ VT Fuse fail • F21 Main 2 Protection <ul style="list-style-type: none"> ○ Trip ○ Y Pickup ○ N Pickup ○ Zone 1/Z1B Trip ○ Diff. OPTD ○ 21/67 NCR Receive ○ Alarm ○ DTT received ○ AR Lockout
----------------	------	-----------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3. Restoration

Equipment	Restored time
Anuradhapura 2	15:49 hrs

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

At 15:23 hrs Anuradhapura Line 2 tripped from Kotmale with indications 1st/ 2nd main protection operated and Backup protection operated at control room. Informed SCC and restored the line after clearing all the indication as per the instructions by SCC.

[Signature]
2015/09/23

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

No fault observed in Kotmale equipment. May occurred due to outside disturbance.

6. Remarks

[Signature]
25/9/2015. This is due to an outside default.

.....25/9.
Officer In-Charge of the Power Station
Copy: DGM (MC) – f.i. Pl. **CHIEF ENGINEER**
Kotmale Power Station
Ceylon Electricity Board
KALASALLEKKA

Date: 23/09/2015