

C.E. (System Control Centre),

REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station**

Date: 29/05/2013

Time: 17:04 hrs

Failure at a Glance: At 17:04 hrs Unit 03 tripped.

Pre-fault condition:

Generators

Unit No.	MW	MVAr	Voltage kV	AVR on/off	Governor	Remarks
01	45	20	13.5	ON	EP2	-
02	-	-	-	-	-	-
03	50	20	14.0	ON	EP2	-

Transmission Lines

Transmission Line	MW	MVAr	A	kV
Vic 01	74	43	230	226
Vic 02	73	36	200	226
Anu 02	-65	17	170	224
Biy 01	-105	-79	350	223
Biy 02	-103	-80	350	223
UK 01	21	13	60	225
UK 02	20	12	60	226

(b). Nature of failure:

Equipment	Auto/Man trip	Time of tripping	Indications/Remarks
Unit 03	Auto	17:04 hrs	<p>At Power House</p> <p>Red indications:</p> <ul style="list-style-type: none">• Excessive Vibration• Inlet valve closing trip• Turbine governor fault• Emergency shutdown <p>White indications:</p> <ul style="list-style-type: none">• Turbine governor fault <p>Flags:</p> <ul style="list-style-type: none">• RBC.5.D9.101.313 – Red (Turbine Governor Faulty) <p>At Control room</p> <ul style="list-style-type: none">• Interpose Relay fault• Mechanical trip relay operated

3. Restoration

Equipment	Restored time
Unit 03	18.27hrs

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

Informed SCC that, machine is available after cancelling the indications.

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

6. Remarks

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Officer In-Charge of the Power Station

Date: 30/05/2013

Copy: DGM (MC) – f.i. Pl.