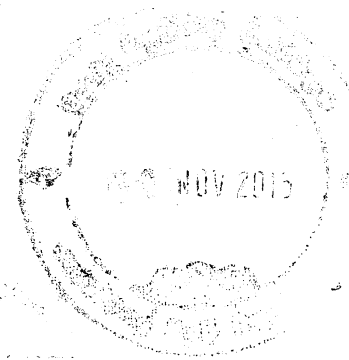


C.E. (System Control Centre),



REPORT ON SYSTEM DISTURBANCE / PLANT FAILURE

Power Station: **Kotmale Power Station** Date: 28/11/2015 Time: 11:09 hrs

Failure at a Glance: At 11:09 hrs. Unit 03 at Kotmale Power Station tripped with the indication Substation Protection operated.

Pre-fault condition:

Generators:

Readings at 11:00 hrs

Unit No.	MW	MVar	Voltage kV	AVR AVR/FCR	Governor	Remarks
01	45	5	14.0	AVR	Ep1/Auto	Frq Control
02	45	35	14.4	AVR	Ep2/Auto	-
03	42	25	14.5	AVR	Ep2/Auto	-

Transmission Lines:

Readings at 11:00 hrs

Transmission Line	MVar	MW	A	kV
Vic 01	39	139	-	230
Vic 02	37	137		229
Anu 01	29	-15		228
Anu 02	29	-14		228
UK 01	11	67		230
UK 02	10	67		230
Biy 01	-102	-259		228
Biy 02	-107	-255	-	228

(b). Nature of failure:

Equipment	Auto/ Man trip	Time of tripping	Indications/Remarks
Unit 03	Auto	11:09	At Power House Red Indications: <ul style="list-style-type: none">• Inlet Valve Closing Trip• Emergency Shutdown• Governor faulty• Substation protection operated• 881 (reg 670)<ul style="list-style-type: none">◆ trip At Control Room White Indications <ul style="list-style-type: none">• Gen.Tr(U3) Protection Operated• RAC1=U3 Ge.3 Cable Ex.Tr F87 T<ul style="list-style-type: none">○ 1.Relay Trip


			<ul style="list-style-type: none"> ○ Relay Pickup ○ Diff.Trip ○ 2nd Harmonic Block ● Ex.Tr F87 N <ul style="list-style-type: none"> ○ LV REF ○ Relay Pickup ○ Relay Trip ● D3 I RP 220/13.8 kV Ge.Tr.No 03 F87T <ul style="list-style-type: none"> ○ Tr.Diff ○ 2 Relay Pickup
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3. Restoration

Equipment	Restored time
Unit 03	14:37 hrs (28/11/2015)

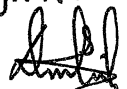
4. Brief description of incident by officer in charge [OEE] at that time:

At 11:09 hrs, Unit 03 at Kotmale Power Station tripped with indications Substation Protection operated. The U-03 LV-Restricted Earth Fault protection was operated. An Electrocuted animal was located on top of the Earthing Transformer.

06

 20/11/2015

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

Tripping may happened due to electrocuted animal. Checked insulation resistance & those values were in acceptable region.


 30/11/2015

6. Remarks

As the IR measurements are within the accepted range m/c was put back into operation.

CHIEF ENGINEER
 Officer In-Charge of the Power Station
 MAWATURA

Date: 28/11/2015

Copy: DGM (MC) – f.i. Pl.