	COROMANDEL INTERNATIONAL LIMITED Sarigam	Doc No. : INST/SOP/10
Issue No.01	DEPARTMENTAL MANUAL OF INSTRUMENT	Issue/ Revision Date: 01/10/2017
Revision: 00	Title: SAFE OPERATING PROCEDURE FOR INSPECTION OF O2 ANALYZER	Page 1 of 2

1.0 PURPOSE:

For Inspection of O2 to maintain reliability.

2.0 SCOPE:

This procedure is applicable for O2 Analyzer in the premises of Coromandel International Ltd, Sarigam.

3.0 DEFINITION:

NIL


4.0 PROCEDURE:

- 4.1 Take work permit from the shift in charge/area in-charge to disconnect the O2 Analyzer for Inspection.
- 4.2 Isolate the power and clean the instrument.
- 4.3 Check all connections if they are tightened or not, if not, tightened the loose connections.
- 4.4 Switch on the power to instrument.
- 4.5 Observe the alarm/ contact and reading on display.
- 4.6 For zero reading, use nitrogen gas or instrument air with 0% O2 concentration and for span reading, check with the atmosphere air.
- 4.7 The percentage of O2 should be 19.5 % to 21%.
- 4.8 After calibration, connect the detector to original position, update the instrument calibration tag and cover with polythene.
- 4.9 If required calibration, send the sensor with transmitter to 3rd party vendor & after calibration collect the calibration report from the 3rd party & maintain the record.
- 4.10 Hand over the equipment to the shift in charge of the plant.
- 4.11 Close the permit.

5.0 FREQUENCY:

- 5.1 At the time of initial start-up after shutdown of more than two weeks.
- 5.2 After every 6 months, if plant is running.
- 5.3 Calibration should be done by 3rd party once in a year.

Prepared By :	Reviewed By :	Approved By :
Name :	Name :	Name :
Date :	Date :	Date :

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6.0 RESPONSIBILITIES:

Asst. Manager / Sr-officer (Inst.) / Area in-charge

7.0 ACCOUNTABILITY

Section Head

8.0 RECORDS:

Inspection reports should be maintained for one year.

9.0 ATTACHMENTS :

Sr. No.	Format	Format No.
1	Preventive maintenance check points- analytical Instruments	INST/F/06

10.0 CHANGE RECORD :

Date	REV. NO.	CHANGES INCORPORATED
01/10/2017	00	Original Issue

**** END OF PROCEDURE ****

Prepared By :	Reviewed By :	Approved By :
Name :	Name :	Name :
Date :	Date :	Date :