	<b>COROMANDEL INTERNATIONAL LIMITED</b> Sarigam	Doc No. : <b>INST/SOP/09</b>
<b>Issue No.01</b>	DEPARTMENTAL MANUAL OF INSTRUMENT	<b>Issue/ Revision</b> <b>Date: 01/10/2017</b>
<b>Revision: 00</b>	Title: SAFE OPERATING PROCEDURE FOR INSPECTION OF CL2 GAS DETECTOR	<b>Page 1 of 2</b>

### 1.0 PURPOSE:

For inspection of CL2 gas leak detector to maintain reliability.

### 2.0 SCOPE:

This procedure is applicable for CL2 gas leak detector in Process plant and chlorine shed.

### 3.0 DEFINITION:

NIL


### 4.0 PROCEDURE:

- 4.1 Take work permit from the shift in charge/area in-charge to disconnect the CL2 gas detector 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. Take sample gas test kit bottle and connect the sample tube at the sensor.
- 4.5 Observe the alarm/ contact and reading on display.
- 4.6 Set it at required ppm and check again for conformity.
- 4.7 After inspection, connect the detector to original position, update the instrument calibration tag and cover with polythene.
- 4.8 If required calibration, send the sensor with transmitter to 3<sup>rd</sup> party vendor & after calibration collect the calibration report from the 3<sup>rd</sup> party & maintain the record.
- 4.9 Hand over the equipment to the shift in charge of the plant.
- 4.10 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 3<sup>rd</sup> 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:

Calibration reports should be maintained for one year.

## 9.0 ATTACHMENTS :

<b>Sr. No.</b>	<b>Format</b>	<b>Format No.</b>
1	Preventive maintenance check points- Gas leak detector	INST/F/03

## 10.0 CHANGE RECORD :

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

**\*\* END OF PROCEDURE \*\***

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