	COROMANDEL INTERNATIONAL LIMITED Sarigam	Doc No. : INST/SOP/07
Issue No.01	DEPARTMENTAL MANUAL OF INSTRUMENT	Issue/ Revision Date: 01/10/2017
Revision: 00	Title: SAFE OPERATING PROCEDURE FOR INSPECTION OF NH3 GAS DETECTOR	Page 1 of 2

1.0 PURPOSE:

For inspection of NH3 gas leak detector to maintain reliability.

2.0 SCOPE:

This procedure is applicable for NH3 gas detectors in Process plant and Ammonia bullet yard.

3.0 DEFINITION:

NIL


4.0 PROCEDURE:

- 4.1 Take work permit from the shift in charge/area in-charge to disconnect the NH3 gas detector for calibration.
- 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 3rd party vendor & after calibration collect the calibration report from the 3rd 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 3rd party once in a year.

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

	COROMANDEL INTERNATIONAL LIMITED Sarigam	Doc No. : INST/SOP/07
Issue No.01	DEPARTMENTAL MANUAL OF INSTRUMENT	Issue/ Revision Date: 01/10/2017
Revision: 00	Title: SAFE OPERATING PROCEDURE FOR INSPECTION OF NH3 GAS DETECTOR	Page 2 of 2

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- Gas leak detector	INST/F/03

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 :