	<b>COROMANDEL INTERNATIONAL LIMITED</b> Sarigam	Doc No. : INST/ SOP /03
Issue No.01	DEPARTMENTAL MANUAL OF INSTRUMENT	Issue/ Revision Date: 01/10/2017
Revision: 00	Title: SAFE OPERATING PROCEDURE FOR CALIBRATION OF TEMPERATURE GAUGE	Page 1 of 2

## 1.0 PURPOSE:

For calibration & preventive maintenance of Temperature Gauge to maintain reliability.

## 2.0 SCOPE:

This procedure is applicable for Temperature Gauges in process plant, MEE, ETP, Tank farm and utility

## 3.0 DEFINITION:

NIL

## 4.0 PROCEDURE:

- 4.1 Take work permit from the shift in charge/area in-charge for calibration & preventive of Temperature Gauge.
- 4.2 Check the glass.
- 4.3 Clean the gauge with cotton waste.
- 4.4 Check the pointer, if not ok then remove from process line & set it to ambient temp. with reference of thermos meter. If not ok then take it to temp bath.
- 4.5 Calibrate the gauge using temp bath.
- 4.6 After calibration, connect the gauge to original position, update the instrument calibration tag and cover with polythene.
- 4.7 Hand over the equipment to the shift in charge of the plant & Close the permit.
- 4.8 Calibration record is maintain in DOC No: QF/EN/09
- 4.9 Preventive record should be maintain in format no INST/F/05.
- 4.10 Preventive maintenance should be done according to DOC NO : QI/EN/01.


## 5.0 FREQUENCY:

- 5.1 At the time of initial start-up after shutdown of more than two weeks.
- 5.2 After every year, if plant is running

## 6.0 RESPONSIBILITIES:

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

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

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## 7.0 ACCOUNTABILITY

Section Head

## 8.0 RECORDS:

Calibration reports should be maintained for one year.

## 9.0 ATTACHMENTS :

Sr. No.	Format	Format No.
1	Preventive maintenance check points-Temperature gauge	INST/F/05
2	Calibration Record	QF/EN/09

## 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 :