	COROMANDEL INTERNATIONAL LIMITED Sarigam	Doc No. : INST/ SOP/ 15
Issue No.01	DEPARTMENTAL MANUAL OF INSTRUMENT	Issue/ Revision Date: 02/10/2017
Revision: 00	Title: SAFE OPERATING PROCEDURE FOR pH TRANSMITTER CAL & PM	Page 1 of 2

1.0 PURPOSE:

Calibration & preventive maintenance of pH indicator transmitter / sensor to maintain reliability.

2.0 SCOPE:

This procedure is applicable for calibration & preventive maintenance of pH indicator transmitter /sensor in process plant & ETP.

3.0 DEFINITION:

NIL


4.0 PROCEDURE:

- 4.1 Take work permit from the shift in charge/area in-charge for calibration & preventive maintenance of pH sensor.
- 4.2 Disconnect & remove the sensor and rinse with normal water.
- 4.3 Clean thoroughly with tissue paper.
- 4.4 Put the sensor in 4.2, 7 & 9 pH buffer solutions and record the pH its showing against simulated value.
- 4.5 If the indication deviates from the simulated value by 0.1% of FSD then perform calibration.
- 4.6 Calibration can be carried out by the programmable keys in the meter.
- 4.7 After calibration install the sensor in process line and handover the equipment to the shift in charge of the plant.
- 4.8 Calibration record should be maintain in DOC No.: QF/EN/09
- 4.9 Preventive maintenance record should be maintain in format no: INST/F/06
- 4.10 Close the permit.

5.0 FREQUENCY:

- 5.1 At the time of initial startup after shutdown of more than two weeks.
- 5.2 After every 3 months, if plant is running.

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

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6.0 RESPONSIBILITIES:

1) Asst. Manager/Sr. Officer/ Area in-charge (Inst.) :

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	Calibration Record	QF/EN/09
2	Preventive maintenance check point	INST/F/06

10.0 CHANGE RECORD :

Date	REV. NO.	CHANGES INCORPORATED
02/10/2017	00	Original Issue

**** END OF PROCEDURE ****

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