	COROMANDEL INTERNATIONAL LIMITED Sarigam	Doc No. : INST/ SOP/ 17
Issue No.01	DEPARTMENTAL MANUAL OF INSTRUMENT	Issue/ Revision Date: 02/10/2017
Revision: 00	Title: SAFE OPERATING PROCEDURE FOR PRESSURE TRANSMITTER CAL & PM	Page 1 of 2

1.0 PURPOSE:

For calibration & preventive maintenance of Pressure transmitter for maintain reliability

2.0 SCOPE:

This procedure is applicable for calibration & preventive maintenance of Pressure transmitter in Coromandel International Ltd. Sarigam unit premises.

3.0 DEFINITION:

NIL


4.0 PROCEDURE:

- 4.1 Take work permit from the shift in-charge/area in-charge to remove pressure transmitter from the process lines for calibration & preventive maintenance.
- 4.2 Remove the pressure transmitter and install on dead weight tester/Hand pump pressure calibrator.
- 4.3 Connect Multimeter/universal calibrator to measure 4-20mA output of the pressure transmitter.
- 4.4 Apply pressure from dead weight tester/Hand pump pressure calibrator and record mA output at 0%, 25%, 50%, 75%, and 100% of instrument range.
- 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 tool bar magnet/HART, functional key.
- 4.7 After calibration install the pressure transmitter in process line and handover the equipment to the shift in-charge of the plant.
- 4.8 If preventive maintenance is required do it according to DOC NO : QI/EN/01.
- 4.9 Calibration record should be maintain in DOC No.: QF/EN/09
- 4.10 Preventive maintenance record should be maintain in format No: INST/F/11
- 4.11 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 6 months, if plant is running.

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:

Service 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/11

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 :