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|  | COROMANDEL INTERNATIONAL LIMITED Sarigam | Doc No. : INST/ SOP/ 16 |
| Issue No.01 | DEPARTMENTAL MANUAL OF INSTRUMENT | Issue/ Revision Date: 02/10/2017 |
| Revision: 00 | Title: SAFE OPERATING PROCEDURE FOR PRESSURE SWITCH CAL & PM | Page 1 of 2 |

1.0 PURPOSE:

For calibration and preventive maintenance of Pressure Switch for maintain reliability

2.0 SCOPE:

This procedure is applicable for calibration and preventive maintenance of Pressure Switch.


3.0 DEFINITION:

NIL

4.0 PROCEDURE:

- 4.1 Take work permit from the shift in-charge/area in-charge to remove pressure switch from the process lines for calibration.
- 4.2 Remove the pressure Switch and install on dead weight tester.
- 4.3 Connect Multimeter to check continuity for NO/NC.
- 4.4 Apply pressure from dead weight tester/ and check the continuity of NO/NC at the cutoff set point.
- 4.5 If it deviates the set point of the simulated value by 0.1 % then perform calibration.
- 4.6 Check the cover, whether it is in place or not.
- 4.7 Check the internal & external body condition of Pressure switch. If it corroded, then replace it.
- 4.8 Calibration can be carried out by adjusting the deferential screw & main screw with the stimulated pressure of 0%, 25%, 50%, 75%, 100% & record on the check list.
- 4.9 After calibration install the pressure Switch in process line and handover the equipment to the shift in-charge/area in-charge of the plant.
- 4.10 Calibration record should be maintain in DOC. No: QF/EN/09
- 4.11 Preventive maintenance record should be maintain in format No: INST/F/01
- 4.12 Close the permit.

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

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5.0 FREQUENCY:

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

6.0 RESPONSIBILITIES:

- 1) 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 points | INST/F/01 |

10.0 CHANGE RECORD :

| Date | REV. NO. | CHANGES INCORPORATED |
|------------|----------|----------------------|
| 02/10/2017 | 00 | Original Issue |
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**** END OF PROCEDURE ****

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| Name : | Name : | Name : |
| Date : | Date : | Date : |