	<b>COROMANDEL INTERNATIONAL LIMITED</b> Sarigam	Doc No. : <b>INST/ SOP/ 12</b>
<b>Issue No.01</b>	DEPARTMENTAL MANUAL OF INSTRUMENT	<b>Issue/ Revision</b> <b>Date: 01/10/2017</b>
<b>Revision: 00</b>	Title: SAFE OPERATING PROCEDURE FOR INSPECTION OF PNEUMATIC ON/OFF VALVE	<b>Page 1 of 2</b>

## 1.0 PURPOSE:

For service or preventive maintenance of pneumatic on/off valve to maintain reliability.

## 2.0 SCOPE:

This procedure is applicable for servicing or preventive maintenance of pneumatic on/off valve in process plant, utility & boiler.

## 3.0 DEFINITION:

NIL


## 4.0 PROCEDURE:

- 4.1 Take work permit from the shift in-charge/area in-charge to inspect the pneumatic on/off valve.
- 4.2 Check the inlet air pressure to pneumatic on/off valve, it should be minimum 3.5 Kg/Cm<sup>2</sup>.
- 4.3 Connect the multimeter and measure the supply voltage of solenoid valve and feed back limit switch (it should be 24V DC or 230VAC).
- 4.4 Open the indication part and check the indicator status. If it is broken, then replace to new one.
- 4.5 Open the Actuator part and check whether it is free or not. Also check the degree of full open/close ( 0 to 90° ). If not, then service it.
- 4.6 Check the valve passing or not, If passing, then repair it.
- 4.7 After service the pneumatic on/off valve install it in process line and handover the equipment to the shift in-charge/area in-charge of the plant.
- 4.8 If preventive maintenance is required do it according to DOC NO : QI/EN/01.
- 4.9 Preventive maintenance record should be maintain in format no: INST/F/07
- 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 year, 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	Preventive maintenance check point-on-off/solenoid/pneumatic valve	INST/F/07

## 10.0 CHANGE RECORD :

Date	REV. NO.	CHANGES INCORPORATED
01/10/2017	00	Original Issue

**\*\* END OF PROCEDURE \*\***

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