	COROMANDEL INTERNATIONAL LIMITED Sarigam	Doc No. : INST/ SOP/ 23
Issue No.01	DEPARTMENTAL MANUAL OF INSTRUMENT	Issue/ Revision Date: 02/10/2017
Revision: 00	Title: SAFE OPERATING PROCEDURE FOR DO METER CAL & PM	Page 1 of 2

1.0 PURPOSE:

Calibration & preventive maintenance of DO meter to maintain reliability.

2.0 SCOPE:

This procedure is applicable for calibration & preventive maintenance of DO meter/sensor in ETP.

3.0 DEFINITION:

NIL

4.0 PROCEDURE:

- 4.1 Take work permit from the shift in charge to disconnect DO Meter from the process line.
- 4.2 Remove the sensor and rinse with normal water.
- 4.3 Clean thoroughly with tissue paper.
- 4.4 Put the sensor in 15% Na₂SO₃ solution, it shows the reading zero. Solution should be prepared by QC Lab.
- 4.5 If the indication deviates then do proper cleaning and check again.
- 4.6 After calibration install the sensor in process line and handover the equipment to the shift in charge of the plant.
- 4.7 Calibration record should be maintain in DOC No.: QF/EN/09
- 4.8 Preventive maintenance record should be maintain in format no: INST/F/06
- 4.9 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.

6.0 RESPONSIBILITIES:

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

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	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 :