Compliance Reporting Protocols (OCEMS)
Part 3: IT Protocol data
For Flow meters

Note: listed points are given for OCEMS PART-III: IT Protocol Emission & Effluent Parameters and give data in generally for all categories. Please ensure given data comparing with your industry architecture before submitting in OCEMS. All the data related to Sunshine Technologies & Forbes Marshall customers.

1. **How long system is used as unattended:**
   <2 days

2. **Calibration status**
   Once in 3 months

3. **Inbuilt zero and span facility available in the system or not :**
   For flow meter: No

3.1. **Online Zero & Span calibration is being done at 10:00 am**
   For flow meter: No

4. **Online zero and span facility available in the system or not**
   For flow meter: No

4.1. **Online Zero & Span calibration is being done at 10:00 am**

For flow meter: No

5. **Corrections (span & Zero) are being done automatically or manually**

    For flow meter: manually

6. **Data notification facility is available or not**

    For flow meter: YES

6.1. **Data notification acceptance or rejection by SPCBs is practiced**

    For flow meter: YES

7. **Raw data and validated data is being sent through online mechanism directly to the server**

    For flow meter: YES

7.1. **Remote management available**

    For flow meter: YES

7.2 **Multi server data submission possible or not**

    For flow meter: YES

8.   **Log files data recorded?**

    For flow meter: YES

8.1. **Provide location in the station computer file Path**

    For sunshine (CPCB): http://sunshine.realtimepollution.in/

    For Forbes server (CPCB): http://115.114.10.246:8080/enviroconnect/

8.2. Is there in any intermediate PC or plant server

 If any PC between vendor (CPCB vendor Communication device or PC) and analyzers: YES

 Otherwise: NO

8.3. Config. Change alarm setting is possible Y/N

 For flow meter: YES

9. Events logs recording location address

 For sunshine (CPCB): http://sunshine.realtimepollution.in/

 For Forbes server (CPCB) : http://115.114.10.246:8080/enviroconnect/

9.1. Is there any in between PLC

 If any PLC between vendor (CPCB vendor Communication device or PC) and analyzers: YES

 Otherwise: NO

9.2 Whether data is integrated at Central Control Room of Industry:

 Based on your industry architecture

10. Independent analysis, notification, calibration provisions for each specific parameter   availability

 For flow meter: YES

10.1. What address available for CPCB to view it

 For sunshine (CPCB): http://sunshine.realtimepollution.in/

 For Forbes server (CPCB): http://115.114.10.246:8080/enviroconnect/

11. **Non volatile memory storage capacity**

   02-05 years or more

12. **Remote calibration data availability at central server**

   YES

12.1. What address available for CPCB to view it

   For sunshine (CPCB): **http://sunshine.realtimepollution.in/**

   For Forbes server (CPCB): **http://115.114.10.246:8080/enviroconnect/**

13. **User friendly maintenance data visualisation & diagnostic features data:**

   YES.

14. **Continuous measurements on 24x7 basis:**

   YES.

14.1. Change of units possible or not:

   YES.

15. **Analog outputs are available with each analyser and connected to the plant central control room:**

   YES.

16. **Data sent is in encrypted format:**

   YES.

16.1. **Data is linked to Data Acquisition and Handling Centre:**

   Based on industry architecture (example: if any secondary storage device please make yes)

16.2. Software is operating on open API and REST technology:

YES.

16.3. Systems records 15 minute values:

YES.

17. Data quality codes defined or not?:

YES.

17.1.   Please provide the list of codes defined through

U - USABLE

C - CALIBRATION

M- MAINTENANCE

F - FAULTY

Z - ZERO

D- CALIBRATION DRIFT

17.2.   Instantaneous data visualization is possible or not:

YES.

17.3.   Data from this system is being sent on SPCB server:

YES.

18. The data validation mechanism is available in the system:

YES.

19. Is data being displayed on the industry's own website?

Depends on industry.

19.1. The data can be depicted on map or not?

YES.

19.2.   Database for calibration for last six months is available in the system:

YES.

19.3.   Data can be visualised by industry in terms of Statistical mean mode and median, SD etc:

YES.

20. The data can be visualised in tabular and graphical format or not? :

YES.

20.1   Visualization w.r.to Standard limits is being done or not?

YES.

21.   Backup power source available:

Depends on industry.

21.1. Is data being displayed on the industry's own factory gate?

Depends on industry

22.   Location of DAHS installed in the industry:

  If any intermediate storage device please mention.

22.1. Single or Multiple DAHS available.

23.   Deviations if any may be summarized here point wise