




OCEMS Rest API

Punjab | Version 1.0

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OCEMS REST API communication requires a valid token for authentication of the user. This token should be present in the header of each request to the server. This token will be provided by the web development team. The token should be kept securely as it is like your username and password. This provides access to your data.

1. API to upload data of a station

This API is used to upload parameters value for a station. A station can be an ETP or a stack. A station can have multiple devices installed to record different environment parameters (cod, bod, tss, pH, flow, Sox, Nox, PM, etc).

1.1 EndPoint

<http://ppcbcems.nic.in/pppcb-api/api/industry/<industryId>/station/<stationId>/data>

1.2 Method

The request should be through POST method.

1.3 Header

The request should contain a valid token in the Authorization header. The token should be Base64 encoded. The header format should be:

POST: [/industry/<industryId>/station/<stationId>/data](#)

Host: <http://ppcbcems.nic.in/pppcb-api/api>

Authorization: Basic <token>

Note:- Here industryId and stationId corresponding to industryId and stationId available in the vendor system.

1.4 Request JSON

Note:- When the device is in Calibration mode or Zero Calibration mode then the vendor should capture and push one data point at every 30 sec.

The json should provide an array of the data object, specific to each device installed at a station. The request JSON to be posted would be :

```
[{
  "deviceId": "1202",
  "params": [{
    "parameter": "bod",
    "value": "2",
    "unit": "mg/l",
    "timestamp": "1490985300000",
    "flag": "U"
  }
]},
{
  "deviceId": "1203",
  "params": [{
    "parameter": "cod",
    "value": "7.6",
    "unit": "mg/l",
    "timestamp": "1490985300000",
    "flag": "U"
  }]
}]
```

1.5 Response

Success: If data uploaded successfully

HTTP STATUS 200 OK

```
{  
  "msg": " success ",  
  "status": 1  
}
```

1.6 Common Status Codes in Response JSON

Status codes in json response

Status	Description
1	Success
0	Request failed because of unknown reason.
10	Wrong API Key
11	Invalid JSON e.g wrong data type, field, etc.
101	Invalid industry id i.e this industry id is not present in the system.
102	Invalid station id i.e station id is not present for this industry id.
103	Correction not within 7 days
104	No data present for one of the time stamp on the change request.
104	No data present for one of the time stamp in change request
105	Required fields not present in request
106	Some other error while saving CR (Change Request)
107	'responseURL' field present in request is not valid.
108	Invalid device id i.e. device id is not configured with CPCB for

	given industry and station.
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