



**I.T. DIVISION
CENTRAL POLLUTION CONTROL BOARD**

C-12011/33/2016- 17/Tech/

18th August, 2017

Minutes of meeting on 'OCEMS Connectivity of GPIs along the river Ganga'

A Meeting with all representatives of Technology Providers was held on August 17, 2017 to ascertain the reasons for a large number of GPIs not sending Live data to CPCB Central Portal in the Conference Hall, 2nd floor, CPCB, Delhi.

The meeting was chaired by Sh. A. Sudhakar, Head-IT Division, CPCB. He initiated the meeting with a serious note regarding Non-Live data of more than 50% of Industries. He also mentioned that the technology providers are also responsible for non-live data as they are the data facilitator. It is also noticed due to shortage of services, faulty analysers/data loggers and different data transmission issues many industries are not live. Even after a clear guideline regarding basic requirements for successful data transmission, technology providers installed the instruments and established the connection without fulfilling the basic criteria due to commercial reasons. He also instructed all the technology providers that they should try to achieve 100% of data transmission, leaving seasonal industrial operations.

The list of the Officers present in the meeting is placed at Annexure I.

1. Sh. Aditya Sharma presented the overall scenario on Industry Status of GPIs present in Ganga basin and shared the Vendor wise distribution of industries and their Contribution to major Categories. He raised the issue and queried about the reasons related to Not-Live Industries. The detailed discussion were held with each technology provider and the proposed action are mentioned below.

Technology Provider with their Shares in GPIs along river Ganga	Explanation or Reasons provided by Technology Provider
Aaxis Nano Share in Ganga Basin :- 34% Total Industries Connected:- 227 Total Live Industries: - 58 Target (Gap): - 168	<ul style="list-style-type: none">• Gradual decrease in data acceptance at CPCB server has been observed. Issue needs technical analysis by Technology Provider & software developer.• Data sent by Technology Portal shows accepted by CPCB server but it does not get updated.• There may be configuration error needs analysis for which LogicLadder team will provide data dump.• Communication gap between Technology Provider & software developer.• Technology Provider had not submitted any documentary evidences and industry wise specific reasons for Not-Live Industries

Technology Provider with their Shares in GPIs along river Ganga	Explanation or Reasons provided by Technology Provider
<p align="center">JRK Automation</p> <p>Share in Ganga Basin:- 14%</p> <p>Total Industries Connected:- 94</p> <p>Total Live Industries: - 57</p> <p>Target (Gap): - 37</p>	<ul style="list-style-type: none"> • 05 Industries flow meters are not working they are facing problem to resolve the issue because the flow meters were supplied by other vendor. • 02 Industries are closed by NGT. • 05 Industries shifted to another vendor portal. • 04 industries have Issue at data logger. • Other Industries have internet Issues.
<p align="center">Xylem</p> <p>Share in Ganga Basin:- 13%</p> <p>Total Industries Connected:- 92</p> <p>Total Live Industries: - 47</p> <p>Target (Gap) :- 45</p>	<ul style="list-style-type: none"> • 30 Industries (seasonal) closed. • 06 Industries under maintenance, one is self-closed. • 06 industries Internet Issues (Data Card/ Lower Bandwidth). • Some industries have payment issues.
<p align="center">Envirozone</p> <p>Share in Ganga Basin:- 11%</p> <p>Total Industries Connected:- 74</p> <p>Total Live Industries :- 56</p> <p>Target (Gap) :-18</p>	<ul style="list-style-type: none"> • 09 tanneries closed by NGT. • 01 is (seasonal) closed • 01 paper unit upgraded to ZLD, so analyser is permanently disconnected. • 02 industries have flow meter issues. • 01 pulp & paper unit is Self-Closed.
<p align="center">Forbes Marshall</p> <p>Share in Ganga Basin:- 10%</p> <p>Total Industries Connected:- 64</p> <p>Total Live Industries :- 25</p> <p>Target (Gap): - 39</p>	<ul style="list-style-type: none"> • 04 Industries are closed. • 06 Industries are seasonal closed. • 03 Industries are closed by CPCB. • 03 Industries have device issue. • 14 Industries pushing delay data to Technology Provider Portal. • 08 Industries have API issues and communicated to Software developer. • 01 Industry migrated to another vendor. • Technology Provider had submitted industry wise specific reasons for remaining Not-Live Industries on next day.
<p align="center">Logic ladder</p> <p>Share in Ganga Basin:- 04%</p>	<ul style="list-style-type: none"> • 04 Industries are seasonal Closed. • 01 Industries are offline due to poor internet connection.

Technology Provider with their Shares in GPIs along river Ganga	Explanation or Reasons provided by Technology Provider
Total Industries Connected:- 24 Total Live Industries: - 17 Target (Gap): - 7	<ul style="list-style-type: none"> • 01 Industry is offline due to issue at data logger. • 01 industry is under maintenance till November.

Proposed Action

Interactive Ticketing System

- It is suggested to develop **an Interactive Ticketing System** to be developed for follow-up and resolve the issues related to data pushing to the central portal through API.
- Regular vendor wise alert report regarding connectivity status should be uploaded in this portal.
- The issues raised by vendor should be attended within 4 Hrs.
- After closing issues, the vendor should give the feedback within 12 Hrs.
- CPCB will be the integral part of ticketing system and M/s LogicLadder will be the agent to resolve the issues.

Ticketing system is a very quick and transparent way of communication to resolve the issues regarding the data pushing to central portal.

SMS and Email Alert on the Basis of site status

- It is proposed to generate the SMS for the industries which are not live for last 4 hours. And the alert generation process will continue every 4 hours interval till the availability of live data.
- If the industry is not live for more than 48 hours, then the unit will get a SMS with template "Offline for more than 48 Hours"
- Technology Provider should have developed such mechanism for industry to submit their reason for non-availability of data and their system should be able to generate the consolidated report of such industries (Offline for more than 48 hours).

Data migration to different Vendor

- During data migration both the vendors (New & Existing) should cooperate each other to migrate all historical data. Non cooperating vendor will be penalised by CPCB.
- Instrument suppliers are instructed to share a fortnightly report with following details: -
 1. Details of existing industries
 2. Details of newly added industries during this period.
 3. Details of removed/request received to remove the industries.
- Every Vendor must get approval from CPCB before dis-connection of any industry from their portal.

Action will be initiated against the technology providers, if the live industries are falling below 85% at any point of time without any valid reasons.

2. Sh. A. K. Vidyarthi has shared 04 following suggestion: -

- Requested to share the offline report of such industries which are not live for more 48 hours with reason provided by industries to WQM-II.
- He suggested to take serious action against the non performing firms based on their data availability at Central Portal. If the data submission is less than 85%, then CPCB will not permit/approve the request for new data connectivity.
- He requested to give the access of Central portal to each Industry, so that industry can analyse their data availability.
- He also instructed all the technology providers to share their actions regarding the maintenance of analysers and data connectivity of seasonal closed industries before their Crushing season for a smooth data transmission to Central Portal.

Meeting ended with thanks to the Chair.



Handwritten signature and date: 12/01/20

List of Officials attended the meeting held on August 17, 2017 to discuss 'OCEMS Connectivity of GPIs along the river Ganga' in the Conference Hall, 2nd floor, CPCB, Delhi, chaired by Sh. A. Sudhakar, Head-IT Division, CPCB.

- 1) Sh. A. Sudhakar, Sc. 'E' & Head-IT Division
- 2) Sh. A. K. Vidyarthi, Sc. 'E', Head-WQM-II Division
- 3) Sh. Aditya Sharma, Sc. 'D', IT Division
- 4) Mr. Varun Sontakke, Axis Nano Technologies Pvt. Ltd.
- 5) Mr. D. Narendra, JRK Automation
- 6) Mr. Raj Kumar, JRK Automation
- 7) Mr. Manas Babyloni, Xylem
- 8) Mr. Udit Kumar, Xylem
- 9) Mr. Utkarsh Raghuvanshi, Xylem
- 10) Mr. Piyush Bhati, Envirozone Instruments & Equipments
- 11) Mr. Mohammad Ahmad, Envirozone Instruments & Equipments
- 12) Mr. Santosh Kumar, Forbes Marshall
- 13) Mr. T.Pruthvi, Knowledge Lens Pvt. Ltd.
- 14) Mr. Adish Kapur, Nevco Engineers Pvt. Ltd.
- 15) Mr. Abhishek Aggarwal, LogicLadder Technologies Pvt.Ltd.
- 16) Mr. Sanjay Sharma, LogicLadder Technologies Pvt.Ltd.
- 17) Mr. Atindra Chandel, LogicLadder Technologies Pvt.Ltd.
- 18) Mr. Sai Kishore, Swan Environmental Pvt. Ltd.
- 19) Mr. Ram Kishore, Swan Environmental Pvt. Ltd.
- 20) Mr. A.K. Srivastava, Environnement S. A. India Pvt. Ltd.
- 21) Mr. Deepak Mishra, Environnement S. A. India Pvt. Ltd.


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