

ವಿಭಾಗೀಯ ಕಛೇರಿ  
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
ಸವಿನ್ ನಂ. 597 ಪ, ಪಾರ್ಕ್ ನಂ. 25,  
4ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಡಾ. ವಿಷ್ಣುವರ್ಧನ  
ಉದ್ಯಾನವನದ ಹತ್ತಿರ, ಕುವೆಂಪು ನಗರ,  
ಬೆಳ್ಳಾರಿ - 583 104.



**ZONAL OFFICE**  
Karnataka State Pollution Control Board  
Sy. No. 597 P, Ward No. 25, 4th Main  
Near Dr. Vishnuvardhana Park,  
Kuvempu Nagar,  
Bellary-583 104,  
Web : [www.kspcb.gov.in](http://www.kspcb.gov.in)

Ph. No. : 08392-240514, E-Mail : [seobly@kspcb.gov.in](mailto:seobly@kspcb.gov.in)

NO. KSPCB/RSEO/BLY/IND/2016-17/95

INSPECTION REPORT OF SRI. K.M. NAGRAJ, SENIOR ENVIRONMENTAL OFFICER,  
KSPCB, ZONAL OFFICE, BELLARY

16 JUL 2016

Staff Accompanied: Sri. Adamsab, AEO

Name of the industry	M/s ULTRATECH CEMENT PVT. LTD., MALKHED VILLAGE, TQ: SEDAM, DIST: KALABURAGI
Date of inspection	12-07-2016
Category	Large Red
Person Contracted	1) Sri. Prashant P, General Manager, QC & EV 2) Sri. Saji James, Deputy Env. Manager 3) Sri. Manish Toshniwal, Deputy Manager Mines
Consent Status	Cement Plant:- 30/06/2016. Mines: Valid upto 30-6-2017.

M/s Ultratech Cement was inspected as per the directions of the Board Office vide letter No. 1553 DT 21-6-2016 with compliance to the random inspection of organization identified based as computerized risk assessment. Discussion were held with factory officials and the following locations were inspected.

1. Cement plant I & II not working, it was reported that, these are old units and not being operated from a long time.
2. Cement plant III, this plant consists of III lines of capacity 3200 TPD, 4200 TPD & 5300 TPD. During the inspection only kiln of capacity 5200 TPD was working. The industry has installed online stack monitoring facility for the following and readings observed during inspection are
  - i) (Kiln)RABH - PM 9.89 mg/Nm<sup>3</sup>
  - ii) Clinker cooler - PM 19 mg/Nm<sup>3</sup>
  - iii) Coal mill - 25 mg/Nm<sup>3</sup>
  - iv) Cement mill - Not working

De

3. Plant No. IV, this plant is having capacity of 12000 TPD. Due to certain plant problem it was operating at a capacity of 6000 TPD. The firm has provided the online monitoring facility for the following stacks.

- i) (Kiln )RABH - PM 2.1 mg/Nm<sup>3</sup> , O<sub>2</sub> - 13.9%, SO<sub>x</sub>-1.0 mg/Nm<sup>3</sup>, NO<sub>x</sub>-348.3 mg/Nm<sup>3</sup>.
- ii) Clinker Cooler - PM 5.6 mg/Nm<sup>3</sup>
- iii) Coal mill - 5.0 mg/Nm<sup>3</sup>
- iv) Cement mill - Not working

**Power plant details:-**

The industry is having 2 power plants. One of capacity 58.2 MW and this was not working at the time of inspection another power plant which is new of capacity 50 MW was working. Coal and pet coke is used as fuel. The firm has installed online monitoring system for the power plant stack.

**CAAQMS:-** The industry has installed 2 No's of CAAQMS stations at the following locations,

- 1) Mangalam (Near Satkar Guest house)
- 2) Line 4

One station located at Mangalam area was inspected and found working and details area follows.

Pm10 - 66  
Pm 2.5-12  
SO<sub>2</sub> -5.3  
NO<sub>x</sub> -6.8  
CO -0.75  
NO<sub>x</sub> - 3.0

The Air quality data and stacks emission monitoring data linked to CPCB server. During discussions it was reported that in the last 6 months they have not received any alerts/ SMS regarding non conformity to standards. This needs to be verified by Board office and RO office.

**New Standards for cement mills:-**

The GOI MoEF has notified new standards for cement mills and power plant vide No. GSR612(E) Dated: 25/08/2014. This is not incorporated in the previous



consents. The KSPCB while issuing Consent for the period beyond 30-06-2016 shall incorporate new standards for enforcement.

**Water Pollution Control Details:- Sewage Treatment Plant:-**

- The source of water is from Kagina River and water stored in the mine pits.
- The waste water generated from the colony and factory is treated in the STP.
- The flow was reported to be 700 m<sup>3</sup>/day.
- The STP was inspected and found operating, good MLSS was observed in the aeration tank.
- The treated sewage after disinfection is used for maintaining green belt & dust suppression in the mines area. Flow meter provided.
- The industry has to repair the oil & grease trap and grit chamber which was found damaged.
- The Regional Officer, Kalaburagi has informed that, regularly sampling is done and results are conforming to the prescribed standards.

**Effluent Treatment Plant:- (Power plants)** The waste water generated in the form of DM plant back washing, etc and boiler blow down is subjected to neutralization and used for green belt & garden maintenance. The firm shall furnish the quantity of waste handled and mode of disposal. The system needs to be up graded.


**Limestone Mines:- Mining Activity:**

- The industry is having mine lease area of about 733.82 Hectares. The firm is having approved mining plan, approved mining lease from 19/08/2001 (20 years).The consent issued by the Board is valid up to 30-06-2017.
- The mining site was inspected and found that mining activity was under progress. The industry has provided two water tankers to suppress dust due to vehicle movement and also during loading operations.
- In the mining area the firm has provided primary and secondary crusher for which bag filters and chimney has been provided as per consent.
- Mining authorities have taken scientific methods in order to carry out mining activities

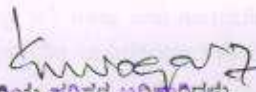
(Pan  
s Ltd  
ari st  
ict  
nts,  
a vill  
Zaw  
Talu  
30/1  
galk

**Hazardous Waste Management:-** The industry is having authorization under HWM Rules 2008 which is valid up to 30-6-2019. The industry is also having facility for co-processing the Hazardous waste.

In the Authorization issued it is observed that, against the waste category which is fit for co processing, the industry name which generates this type of waste is mentioned. It is opined that the waste category which is fit for co-processing in the kiln shall be indicated in the authorization issued to the cement plant. The source of waste, category of waste and its disposal including co processing shall be indicated in the individual Authorization issued to industries for hassle free waste movement and disposal. Any industry which meets the category criteria and co processing criteria can send the waste for co-processing. Hence the authorization issued need amendment.

  
Senior Environmental Officer,  
Zonal Officer, Bellary.

Copy to RO Gulbarga KSPCB for information and needful.

  
ಕರಿಯ ಪರಿವಲ ಅಧಿಕಾರಿಗಳು  
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಾನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಲ  
ಬೆಳ್ಳಾರೆ.

16.7.17.