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4.6.20

Through: Speed Post

Ref: VC/WS/ENV/2019-20/B-87D/F

Date: 01.06.2020

To
The Director-IA Division,
Ministry of Environment, Forests & Climate Change,
Indira Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110 003.

Respected Sir,

Sub: Submission of Half yearly All EC Compliance Report- Reg

As mentioned in the above cited subject, I am here by enclosing the detailed point wise report of All EC conditions as per your requirement we have made a "Excel spread sheet" for the period (October - 19 to March-20) 2nd Half.

EC-PLANT AND MINES

S.No	EC Number and Date	No of Pages
Plant		
1	No. J-11011/11/95- IA.II Dt. September 6 th , 1995	02
2	No. J-11011/22/2005-IA.II Dt. May 9 th , 2005	05
3	No. J-11011/383/2006-IA.II(I) Dt. May 16 th , 2007	08
Plant & Mines		
4	No. J-11011/1044/2007-IA-II(I) Dated 20 th Jan, 2010	10
Mines		
5	No. J-11015/98/2004-IA.II(M) Dt. 28 th March 2005	05
6	No. J-11015/328/2006-IA.II(M) Dt. April 4, 2007	03

Kindly find the enclosed details for your perusals.

Thanking You,

Yours faithfully,

For Vasavadatta Cement,

For Kesoram Inds. Ltd.,

CIN of KIL- L17119WB1919PLC003429

(G.Srinivasa Reddy)
Chief Executive Officer



Cc:

1. The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forests & Climate change,
4th Floor, E & F Wing, Kendriya Sedan,
Koramangala, Bangalore - 560 034.
2. Secretary to Government,
Department of Ecology & Environment,
Government of Karnataka,
7th floor, Multistoried Building,
Bangalore 560001.
3. Chairman,
Central Pollution Control Board,
Parivesh Bhawan, CBD-cum-Office Complex,
East Arjun Nagar,
New Delhi – 110 032.
4. The Member Secretary,
Karnataka State Pollution Control Board,
49, 4th & 5th floor,
Parisara Bhavana,
Church Street,
Bangalore – 560 001.
5. Environmental officer,
Karnataka State Pollution Control Board,
#101, F-Block, Green Park, KHB,
Near Chor Gumbaz,
Ring road, Kalaburagi- 585 105

✓ Office copy → (Envi. Dept)

✓ Office copy → (Mines. Dept)

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Ack Copy

**HALF YEARLY
COMPLIANCE REPORT
FOR
ENVIRONMENTAL CLEARANCES
(PLANT AND MINES)**

(October -2019 to March -2020) 2nd Half



S.No.	EC Number and Date
Plant	
1	No. J-11011/11/95- IA.II Dt. September 6 th , 1995
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6	No. J-11015/328/2006-IA.I(M) Dt. April 4, 2007

Kesoram Industries Ltd. – Cement Division
Unit: Vasavadatta Cement
Post: Sedam - 585222
Dist: Kalaburagi
Karnataka

DETAILS FOR CORRESPONDENCE

1.	Name & Address of concerned person	G.Srinivasa Reddy Chief Executive Officer M/s. Vasavadatta Cement (Prop: Kesoram Industries Ltd.) Sedam, Kalaburagi District Karnataka - 585 222
	STD Code, Phone No.	08441 - 276006
	Fax No.	08441 - 276139
	E-Mail Address	g.srinivasareddy@kesoramcement.com
	Company Website	https://www.birlashakticement.com
Environment Management Cell		
2.	Name & Address of concerned person	Mr.Shambuling.V.Patil HOD-Environment Dept.
	STD Code, Telephone no.	08441 - 276006 Extn: 481
	E-Mail Address	environment@ kesoramcement.com
3.	Name of the person	Mr.Shivakumar.S.Gunge Asst.Officer
	Telephone no.	08441 - 276006 Extn: 481

GPS LOCATION OF VASAVADATTA CEMENT

PLANT	
Latitude	17° 05' - 17° 15' N
Longitude	77° 15' - 77° 20' E
MINES	
Latitude	17° 03' - 17° 15' N
Longitude	77° 08' - 77° 20' E

M/s.VASAVADATTA CEMENT

Point Wise Compliance Report to Ministry Of Environment and Forests

Vide MoEF EC No: J-11011/11/95-IA.II (I) Dt. September 6th 1995

S.No	Conditions	Compliance statement
i.	The project authority must strictly adhere to the stipulations made by the State Government and Karnataka State Pollution Control Board.	All the stipulations laid down by State Pollution Control Board & State Govt are been strictly followed.
ii.	Any further expansion of the plant or process modifications having bearing on pollution potential can be taken up only with the prior approval of this Ministry.	For any process modifications of the plant or Expansion, approval will be taken from ministry.
iii.	The project authorities should commission a post expansion comprehensive EIA study within six months of commissioning of plant covering one year data (4 seasons) and submit the report to this Ministry within 15 months of commissioning of the study.	The EIA report has been submitted vide our letter Nos. VC /WS/ENV/CKJ/00/756C, Dt.02.03.2000 and VC / ENV/ CKJ/ 99/ 422C, Dated. 29.10.99.
iv.	The Project authorities should control fugitive emissions in the existing plant to keep them within the prescribed limits including clinker cooling section and cement packing units.	In Vasavadatta cement Concrete roads were paved at colony, Cement plant and CPP areas, 08 no's Truck mounted sweeping machines are used for good housekeeping, Bag filters are installed at Transfer points, Vaccum cleaning device is installed at Packing Plant area and Water sprinklers are installed to control fugitive emissions.
v.	Particulate emissions from various units should conform to the standards prescribed by the competent authorities or in the EPA 1986 or as will be prescribed from time to time. At no time emission of particulates from the stacks of Unit-II should exceed the limit of 50 mg/Nm ³ .	Particulate emissions from various units are conforming to the standards prescribed by EPA 1986.Particulate emissions from the stacks of Unit-II are maintaining less than 30 mg/Nm ³ .
	A confirmation is required in this respect from the project proponent that the pollution control equipment will be designed to achieve operation efficiency of 50 mg/Nm ³ in respect of emissions of dust from the various stacks.	In order to achieve operation efficiency of less than 50 mg/Nm ³ , Vasavadatta Cement has been carried out Conversion of ESP to Bag House in respect of particulate emissions from the various stacks, for which letter has been submitted to KSPCB Bangalore, vide our letter No. VC /WS/ENV/CKJ/F27A (ENV), Dated. 01.03.2014. Also additional measures has been taken for reduction in dust emission levels less than 30 mg/Nm ³ by replaced the existing RABH bags with fibre glass acid resistance with membrane lamination bags to maintain the emission levels as per MoEF & CC norms Vide GSR 496(E) & 497 (E) dated 09/05/2016 & 10/05/2016 respectively.

	Interlocking arrangement should be provided so that in the event of non-functioning of the pollution control equipment (s), the main plant gets automatically shut down. Also in the event of failure of any pollution control system adopted by the unit, the respective unit should be put out of operation immediately and should not be restarted until the control systems are rectified to achieve the desired efficiency.	Interlocking arrangement is incorporated in all the units. Power arrangement is made to all pollution control equipment from our Captive power plant to facilitate uninterrupted operation.																																																																																																																						
vi.	The project authority should not change any design of stacks without the permission of the State Pollution Control Board.	Yes, There will be no changes made in the design of stack without the permission of the State Pollution Control Board.																																																																																																																						
vii.	At least three air quality monitoring stations for measuring of particulate matters should be set up in the down wind direction, as well as where maximum ground level concentration is anticipated, in consultation with State Pollution Control Board.	<p>Five Air Quality Monitoring stations are installed in consultation with KSPCB and monitored data of these stations are submitted to the State Pollution Control board on monthly basis and half yearly reports are being submitted regularly to The Additional Principal Chief Conservator of Forests -Regional Office of the ministry at Bangalore, the latest report submitted, Vide our letter no VC/WS/ENV/19-20/ 87D/F-05 dated: 25.05.2020.</p> <p>The Min, Max & Avg. Values of PM10, PM2.5, SO2 & NOx for the period October '2019 to March '2020 is as follows:-</p> <table border="1"> <thead> <tr> <th rowspan="2">Location</th> <th colspan="3">PM₁₀ in µg/m³</th> <th colspan="3">PM_{2.5} µg/m³</th> <th colspan="3">SO₂ µg/m³</th> <th colspan="3">NO_x µg/m³</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Avg</th> <th>Min</th> <th>Max</th> <th>Avg</th> <th>Min</th> <th>Max</th> <th>Avg</th> <th>Min</th> <th>Max</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Mines office</td> <td>56</td> <td>78</td> <td>67</td> <td>23</td> <td>47</td> <td>35</td> <td>7</td> <td>9</td> <td>7</td> <td>12</td> <td>16</td> <td>12</td> </tr> <tr> <td>Power Plant</td> <td>59</td> <td>79</td> <td>68</td> <td>22</td> <td>46</td> <td>34</td> <td>6</td> <td>9</td> <td>7</td> <td>11</td> <td>17</td> <td>14</td> </tr> <tr> <td>Staff Club</td> <td>55</td> <td>76</td> <td>65</td> <td>18</td> <td>42</td> <td>30</td> <td>6</td> <td>11</td> <td>8</td> <td>12</td> <td>17</td> <td>14</td> </tr> <tr> <td>Dairy farm</td> <td>56</td> <td>77</td> <td>66</td> <td>21</td> <td>45</td> <td>33</td> <td>6</td> <td>10</td> <td>8</td> <td>11</td> <td>18</td> <td>14</td> </tr> <tr> <td>Lions Shivan</td> <td>55</td> <td>79</td> <td>67</td> <td>21</td> <td>48</td> <td>35</td> <td>7</td> <td>9</td> <td>7</td> <td>12</td> <td>17</td> <td>14</td> </tr> <tr> <td colspan="7">National Ambient Air Quality Standards – 2009 Industrial/Residential/Rural or other areas (24 hourly average in µg/m³) for PM10, PM2.5, SO₂, NO_x</td> <td>PM₁₀</td> <td>PM_{2.5}</td> <td>SO₂</td> <td>NO_x</td> <td colspan="2"></td> <td></td> </tr> <tr> <td colspan="7"></td> <td>100</td> <td>60</td> <td>80</td> <td>80</td> <td colspan="2"></td> <td></td> </tr> </tbody> </table>	Location	PM ₁₀ in µg/m ³			PM _{2.5} µg/m ³			SO ₂ µg/m ³			NO _x µg/m ³			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Mines office	56	78	67	23	47	35	7	9	7	12	16	12	Power Plant	59	79	68	22	46	34	6	9	7	11	17	14	Staff Club	55	76	65	18	42	30	6	11	8	12	17	14	Dairy farm	56	77	66	21	45	33	6	10	8	11	18	14	Lions Shivan	55	79	67	21	48	35	7	9	7	12	17	14	National Ambient Air Quality Standards – 2009 Industrial/Residential/Rural or other areas (24 hourly average in µg/m ³) for PM10, PM2.5, SO ₂ , NO _x							PM ₁₀	PM _{2.5}	SO ₂	NO _x											100	60	80	80			
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	Also Stack emission should be monitored by setting up automatic stack monitoring unit.	Continuous Emission monitoring systems are installed to all major stacks in Vasavadatta Cement. Online Stack Emission data is being transferred regularly to CPCB server and SPCB server.																																																																																																																						
	Air quality and stack emissions should be monitored regularly.	Air quality and stack emissions are being monitored regularly and reports are being submitted to KSPCB regularly.																																																																																																																						

