

**BHAVYA CEMENTS LIMITED**  
**TANGEDA (V), DACHEPALLI (M), GUNTUR DISTRICT**

**Condition wise Compliance of the industry for renewal of CFO NO.**

**APPCB/VJA/GTR/205/HO/CFO/2018 dt:06.06.2018**

**SCHEDULE – A**

S.No.	Recommendations	Remarks
1.	<i>All the conditions stipulated in the Schedule – A of the earlier combined CFO &amp; HWM order NO. APPCB/VJA/VJA/205/HO/CFO/2010-2102, dt:16.11.2010 remains same. The industry should ensure consistent compliance of each conditions of schedule – A.</i>	<b>Complying all the conditions</b>

**SCHEDULE – B**

S.No.	Recommendations	Remarks
1. 1.	<i>The effluents discharged shall not contain constituents in excess of the tolerance limits mentioned in the CFO order</i>	<b>The constituents in the effluents are within limits</b>
2.	<i>The industry shall file the water cess returns in Form -1 as required under Section (5) of Water (Prevention and control of Pollution) Cess Act, 1977 on or before the 5<sup>th</sup> of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry should remit water cess as per the assessment orders as and when issued by Board.</i>	<b>Water cess returns are filed in Form -1 and paid as per the demand received.</b>

3	<p><i>The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below.</i></p> <table border="1" data-bbox="321 464 971 961"> <thead> <tr> <th><i>S.No.</i></th><th><i>Purpose</i></th><th><i>Quantity</i></th></tr> </thead> <tbody> <tr> <td><i>1.</i></td><td><i>Process</i></td><td rowspan="4"><i>140.0 KLD</i></td></tr> <tr> <td><i>2.</i></td><td><i>Washings</i></td></tr> <tr> <td><i>3.</i></td><td><i>Boiler Feed</i></td></tr> <tr> <td><i>4.</i></td><td><i>Industrial Cooling Tower Makeup</i></td></tr> <tr> <td><i>5.</i></td><td><i>Domestic include plant &amp; township</i></td><td><i>80.0 KLD</i></td></tr> <tr> <td colspan="2"><i>Total :</i></td><td><i>220.0 KLD</i></td></tr> </tbody> </table>	<i>S.No.</i>	<i>Purpose</i>	<i>Quantity</i>	<i>1.</i>	<i>Process</i>	<i>140.0 KLD</i>	<i>2.</i>	<i>Washings</i>	<i>3.</i>	<i>Boiler Feed</i>	<i>4.</i>	<i>Industrial Cooling Tower Makeup</i>	<i>5.</i>	<i>Domestic include plant &amp; township</i>	<i>80.0 KLD</i>	<i>Total :</i>		<i>220.0 KLD</i>	<p><b>We are not exceeding the quantities mentioned in the order.</b></p>
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4..	<p><i>The emissions shall not contain constituents in excess of the prescribed limits mentioned below.</i></p> <table border="1" data-bbox="321 1115 935 1276"> <thead> <tr> <th><i>Chimney No.</i></th><th><i>Parameter</i></th><th><i>Emission Standards</i></th></tr> </thead> <tbody> <tr> <td><i>1 to 4</i></td><td><i>SPM</i></td><td><i>50 mg/Nm<sup>3</sup></i></td></tr> </tbody> </table>	<i>Chimney No.</i>	<i>Parameter</i>	<i>Emission Standards</i>	<i>1 to 4</i>	<i>SPM</i>	<i>50 mg/Nm<sup>3</sup></i>	<p><b>The emissions are within the limits.</b></p>												
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5.	<p><i>The industry shall comply with ambient air quality standards of <math>PM_{10}</math> (Particulate Matter size less than <math>10\ \mu m</math>) – <math>100\ \mu g/m^3</math>; <math>PM_{2.5}</math> (Particulate Matter size less than <math>2.5\ \mu m</math>) – <math>60\ \mu g/m^3</math>; <math>SO_2</math> – <math>80\ \mu g/m^3</math>; <math>NO_x</math> – <math>80\ \mu g/m^3</math>, outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009</i></p> <table border="1"> <tr> <td><b>Noise</b></td><td>Day time</td><td>(6 AM to 10 PM) – 75 dB (A)</td></tr> <tr> <td><b>Levels :</b></td><td>Night time</td><td>(10 PM to 6 AM) – 70 dB (A)</td></tr> </table>	<b>Noise</b>	Day time	(6 AM to 10 PM) – 75 dB (A)	<b>Levels :</b>	Night time	(10 PM to 6 AM) – 70 dB (A)	The ambient air quality values and noise levels are within limits of the standards stipulated by A.P.P.C.B.
<b>Noise</b>	Day time	(6 AM to 10 PM) – 75 dB (A)						
<b>Levels :</b>	Night time	(10 PM to 6 AM) – 70 dB (A)						
6	<i>This CFO &amp; HWA order is issued only for the 1<sup>st</sup> phase of the project</i>	Agreed & followed						
7.	<i>The industry should not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE &amp; CFO of the Board.</i>	Agreed & followed.						
8.	<i>The industry should made permanent arrangements for utilization of treated domestic water for plantation purpose within the premises, no treated effluents should join into the vaagu.</i>	Treated domestic water is being utilized for plantation purpose within our premises and no treated effluents are joining vaagu.						
9.	<i>Industry should not discharge waste water to outside the premises</i>	No waste water is discharged outside the premises.						
10.	<i>The industry should develop and maintain greenbelt including cement plant &amp; township and mine lease area. Green belt develop should develop in and the outside periphery of the industry.</i>	69 acres of green belt developed in & around cement plant, township and mine lease area.						
11.	<i>The industry should provide the permanent system to transport the domestic effluents from storage tank</i>	Provided						

	<i>to treatment facility.</i>	
12.	<i>The industry should construct compound wall on the side vaagu immediately</i>	<b>Constructed</b>
13.	<i>The industry should take all measures to control fugitive emissions during transportation of lime stone from lime stone crusher to the plant.</i>	<b>The fugitive emissions are being controlled. Dust suppression system is being operated continuously.</b>
14.	<i>The industry should not construct anything adjacent to the vagu other than compound wall and should leave sufficient place so that the encroachment of vagu should not takes place.</i>	<b>Adhered</b>
15.	<i>The Industry should not discharge any treated or untreated waste water in to the vaagu.</i>	<b>No treated or untreated waste water is discharged into the vaagu</b>

16	<i>The industry should maintain continues online SPM monitor intact with recording facility for continuous monitoring of Kiln stack gases and should regularly under take calibration of the same. The details of the calibration schedule and consolidated online monitoring data should be submitted to RO, Guntur for every three months.</i>	<b>Online Monitoring systems provided.</b>
17	<i>The industry should submit details of Kiln ESP tripping's to the Regional Office of the Board on every three months.</i>	<b>RABH is installed to the Kiln and details are furnished to APPCB</b>
18	<i>The industry should install &amp; maintain interlocking facility between APC equipment and raw material feeding system to regulate the feeding of raw material into the Kiln, so that feeding of raw materials would stop automatically in case the air pollution control equipment fails. The industry</i>	<b>We have installed interlocking facility between APC equipment and raw material feeding system.</b>

	<i>should regularly calibrate the performance of interlocking system &amp; furnish report to the Board.</i>	
19	<i>The industry should furnish details of fly ash brought from the nearby Coal based Thermal Plants and quantity of fly ash consumed per each ton of product, inventory of fly ash at on-site along with details of measures implemented to mitigate fugitive emissions at various transfers to R.O., Guntur on every three months.</i>	<p>The fly ash is brought from Dr NTPPS, Ibrahimpatnam and the details are being furnished to RO regularly.</p> <p>For storage and handling Fly ash silos with de-dusting bag filters are provided and the fly ash from power plant is being brought in tankers only.</p>

20	<i>The industry should provide adequate dust collection and extraction system to control fugitive emissions at various transfer points &amp; the dust collected from pollution control equipments should be recycled back into the process. The compliance status should be reported to RO – Guntur within a month.</i>	<b>Bag filters are provided at various transfer points and the dust so collected is taken back into the process</b>
21	<i>Bio Indicator Plants shall be planted and maintained along the boundary of the industry &amp; should furnish compliance status regularly to the Board.</i>	<b>Adequate green belt was developed along the boundary of the industry. Green belt was developed in an area of nearly 69 Acres and updating the status to RO.</b>
22	<i>The industry should provide the water sprinkling up to crusher hopper located in the plant from main gate.</i>	<b>Water sprinkling system provided</b>
23	<i>The industry ensure regular maintenance and operation of the on-line stack monitoring systems and CAAQM stations with tamper proof mechanism having facilities for online calibration</i>	<b>Complied</b>
24	<i>The industry vide letter dt 19.12.2014 submitted purchase order for two AAQM stations. The industry shall install the two AAQM stations in addition to existing one AAQM station , with in a month and submit monthly reports .One ambient air quality monitoring station should be set up in the down wind direction in consultation with RO , APPCB ,GUNTUR</i>	<b>Equipment received and installed .</b>

25	<i>The applicant should setup 3 AAQM stations for monitoring and submit monthly reports. One ambient QQAM station should be set up in the down wind direction in consultation with RO, APPCB, Guntur</i>	<b>Provided and submitting the reports.</b>
26	<i>The industry should maintain the records on utilized for cement production and stocks maintained at on site and submit consolidated reports to the Regional Office of the Board once in six months</i>	<b>Maintained and submitting the reports.</b>
27	<i>The industry should store raw materials in a closed roof sheds /silos</i>	<b>Closed facilities provided for Raw Materials. Except for Limestone stock pile</b>
28	<i>The industry should maintain the system to control fugitive emissions effectively and the dust separation systems should be operated continuously.</i>	<b>We are controlling and maintaining the fugitive emissions and dust control systems are being operated continuously.</b>
29	<i>The industry should submit monthly consolidated report of daily operating hours of kiln, ESP and reasons for ESP tripping to the RO, Guntur and Board office.</i>	<b>Submitting</b>
30	<i>The industry should ensure consistent compliance of Environmental Clearance obtained from MoEF., Gol on 22.09.2008</i>	<b>Noted &amp; complying</b>
31	<i>The industry should maintain the compliance of conditions stipulated in CFE order No. 265/JPCB/CFE/RO-GNT/HO/2008, dt. 26.06.2008 issued by the Board</i>	<b>Noted &amp; Complying</b>
32	<i>The applicant should submit Environment statement in Form V before 30<sup>th</sup> September every year as per</i>	<b>We are submitting Environment statement in Form V before 30<sup>th</sup></b>

	<i>Rule No. 14 of E(P) Rules, 1986 &amp; amendments.</i>	September every year
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### **SCHEDULE – C**

S.No.	<i>Recommendations</i>	Remarks
1.	<i>The industry should give top priority for waste minimization and cleaner production practices.</i>	We are giving top priority for wastes minimization and cleaner production.
2.	<i>The industry should not store hazardous waste for more than 90 days as per Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.</i>	We are not storing the hazardous wastes more than 90 days.
3.	<i>The industry should store used/waste oil and used lead acid batteries in a secured way in their premises till its disposal.</i>	We are storing the waste oil/used batteries in closed room until their disposal.
4.	<i>The industry should not dispose waste oils to the traders and the same should be disposed to authorized reproprocessors/recyclers.</i>	Waste oil is used for lubrication purpose of Lime stone reclaimer.
5.	The industry should dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.	We are disposing batteries to manufacturers/dealers on buyback basis only
6.	The industry should not dispose spent solvents / mixed spent solvents to the traders.	We do not have any spent solvents.

7.	The industry should take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.	We have taken proper measures for prevention of spillages of oil and carryover of oil from the premises.
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8.	The industry should maintain 6 copy manifest system for transportation of waste generated and a copy should be submitted to Board Office and concerned Regional Office.	<b>6 copy manifest system for transportation of waste generated is followed.</b>
9.	The industry should maintain good house keeping & maintain proper records for Hazardous Wastes stated in Authorization.	<b>Good housekeeping is being maintained.</b>
10.	The industry should maintain proper records for Hazardous Wastes stated in Authorization in FORM-3 i.e., quality of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 22(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and amendments thereof.	<b>Will be maintained.</b>
11.	The unit should submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.	<b>Condition wise compliance report is submitted on half yearly basis.</b>
12.	The industry should dispose of e-waste to the authorized recyclers only.	<b>Will be followed.</b>