

**JAYPEE BALAJI CEMENT PLANT**  
A UNIT OF JAYPEE CEMENT CORPORATION LIMITED

**JAYPEE CEMENT**  
CORPORATION LIMITED

JCCL/JBCP/4(I)/2016- 4083  
12<sup>th</sup> May, 2016

To  
The Additional Principal Chief Conservator of Forests,  
MoEF, Regional office (South Zone),  
No: 34, Cathedral Garden Road,  
Nungambakkam,  
Chennai - 600034

Sub: Compliance Report of EC granted by MoEF vide letter No. J.11015/466/2008-1A.II (M) dt. 10<sup>th</sup> December, 2009 for Budawada Limestone Mine at Village Budawada, Mandal Jaggayyapeta, District Krishna, Andhra Pradesh.


Dear Sir,

We are enclosing half yearly compliance report for the period October 2015 to March 2016 in respect of Specific and General Conditions stipulated in Environmental Clearance received vide MoEF letter under reference for your kind perusal and reference please.

Kindly acknowledge.

Thanking You.

Yours faithfully,  
For Jaypee Balaji Cement Plant  
(A Unit of Jaypee Cement Corporation Limited)

  
(N.B. Singh)  
President – Technical

Encl: Compliance report of stipulated Environmental Conditions.

Copy to:

- i) Zonal Officer, CPCB, Zonal office, 1<sup>st</sup> & 2<sup>nd</sup> floors, Nirasaga Bhavan, A-Block, Thammaiah Main road, 7<sup>th</sup> Cross, Shivanagar, Pushpanjali Theatre, Bengaluru-560 010, Karnataka.
- ii) The Member Secretary, A.P.Pollution Control Board, Paryavaran Bhavan, A-2. Industrial Estate, Sanath Nagar, Hyderabad-500018.
- iii) The Environmental Engineer, Andhra Pradesh Pollution Control Board, Regional office, Plot No.41, Sri Kanakadurga Officers' Colony, Gurunanak Road, Vijayawada – 520 008.



**Works** : Post Bag No. 9, Survey No. 99, Village-Budawada, Jaggayyapet-Mandal, Krishna District (A.P.) 521 175 Ph. : +91 (8654) 285011, 285013 to 285018 Fax : +91 (8654) 285010 E mail: bcp.secretarial@jalindia.co.in  
**Regd. & Corp. Office** : Sector-128, Noida - 201 304, Uttar Pradesh (India) Ph.: +91 (120) 4609000, 2470800 Fax : +91 (120) 4609464, 4609496  
**Head Office** : JA House, 63, Basant Lok, Vasant Vihar, New Delhi-110 057 (India) Ph.: +91 (11) 26141540, 26147411, Fax : +91 (11) 26145389, 26143591

## Six monthly EC Compliance Report

**Name of the Project** : BUDAWADA LIMESTONE MINES

**Clearance Letter No** : MoEF Vide Letter Ref. No J-11015/466/2008-IA.II (M)  
Dated: 10/12/2009

**Period of Compliance Report** : 1<sup>st</sup> October, 2015 to 31<sup>st</sup> March, 2016

### Specific Conditions:

#### PARA-6A

S.No.	Conditions	Compliance status																																																																	
(i)	Environmental clearance is subject to obtaining forest clearance under the Forest (Conservation) Act, 1980 from the Competent Authority before start of work at mine.	Forest clearances were issued by MoEF (FC Div.), GOI vide letter F.No.8-93/2010-FC dated 01.03.2011. Diversion of forest land for mining purpose was approved vide <b>G.O.Ms.No.130</b> Dated 30.12.2011. Mining activity commenced from 07.03.2012.																																																																	
(ii)	Wildlife conservation plan shall be prepared in consultation with the office of the Chief Wildlife Warden and implemented within six months. The plan shall comprise of in-built monitoring mechanism with special emphasis to protection of Schedule-I species. The status of implementation shall be submitted to the Ministry.	Conservation plan approval received, vide letter No.48837/2010/WL1 Dt.18.11.2010. Permission received vide letter G.O Ms. No 130. Dt. 30.12.2011. As per new rules, this approved RRCP cannot build in isolated location. It has to be linked with zoological areas. Deposited Rs.1.4 Cr. towards construction and maintenance of enclosures for RRCP to Prl. Chief Conservator of Forest, Hyderabad.																																																																	
(iii)	Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse impact on ground water quality and quantity is observed, mining shall be immediately stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.	<p>Hydro-geological study is being carried out annually. It has been carried out in the month of Dec-2014 for the last time by Hydro-Geosurvey Consultants (P.) Ltd. No adverse impact on ground water quality and quantity has been found.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Location</th> <th colspan="5" style="text-align: center;">Depth to water table below the ground level</th> </tr> <tr> <th style="text-align: center;">Post monsoon Dec 2014</th> <th style="text-align: center;">Pre Monsoon March 2015</th> <th style="text-align: center;">Monsoon June 2015</th> <th style="text-align: center;">Post monsoon Dec 2015</th> <th style="text-align: center;">Net Decrement in (m)</th> </tr> </thead> <tbody> <tr> <td>BH-CB-09</td> <td style="text-align: center;">8.10</td> <td style="text-align: center;">11.60</td> <td style="text-align: center;">7.57</td> <td style="text-align: center;">10.25</td> <td style="text-align: center;">-2.15</td> </tr> <tr> <td>BH-CB-07</td> <td style="text-align: center;">7.47</td> <td style="text-align: center;">9.91</td> <td style="text-align: center;">4.85</td> <td style="text-align: center;">9.45</td> <td style="text-align: center;">-1.98</td> </tr> <tr> <td>BH-CB-05</td> <td style="text-align: center;">11.70</td> <td style="text-align: center;">16.25</td> <td style="text-align: center;">7.84</td> <td style="text-align: center;">14.24</td> <td style="text-align: center;">-2.54</td> </tr> <tr> <td>BH-CB-04</td> <td style="text-align: center;">13.50</td> <td style="text-align: center;">16.50</td> <td style="text-align: center;">13.28</td> <td style="text-align: center;">15.25</td> <td style="text-align: center;">-1.75</td> </tr> <tr> <td>BH-CB-10</td> <td style="text-align: center;">5.55</td> <td style="text-align: center;">11.35</td> <td style="text-align: center;">4.85</td> <td style="text-align: center;">10.25</td> <td style="text-align: center;">-4.70</td> </tr> <tr> <td>BH-CB-14</td> <td style="text-align: center;">16.76</td> <td style="text-align: center;">18.15</td> <td style="text-align: center;">8.16</td> <td style="text-align: center;">17.66</td> <td style="text-align: center;">-0.90</td> </tr> <tr> <td>BH-CB-01</td> <td style="text-align: center;">10.31</td> <td style="text-align: center;">16.20</td> <td style="text-align: center;">7.18</td> <td style="text-align: center;">13.24</td> <td style="text-align: center;">-2.93</td> </tr> <tr> <td>BH-PBJ-18</td> <td style="text-align: center;">9.60</td> <td style="text-align: center;">14.55</td> <td style="text-align: center;">7.81</td> <td style="text-align: center;">12.22</td> <td style="text-align: center;">-2.62</td> </tr> <tr> <td>BH-CB-17</td> <td style="text-align: center;">16.70</td> <td style="text-align: center;">23.05</td> <td style="text-align: center;">16.62</td> <td style="text-align: center;">21.10</td> <td style="text-align: center;">-4.40</td> </tr> </tbody> </table>	Location	Depth to water table below the ground level					Post monsoon Dec 2014	Pre Monsoon March 2015	Monsoon June 2015	Post monsoon Dec 2015	Net Decrement in (m)	BH-CB-09	8.10	11.60	7.57	10.25	-2.15	BH-CB-07	7.47	9.91	4.85	9.45	-1.98	BH-CB-05	11.70	16.25	7.84	14.24	-2.54	BH-CB-04	13.50	16.50	13.28	15.25	-1.75	BH-CB-10	5.55	11.35	4.85	10.25	-4.70	BH-CB-14	16.76	18.15	8.16	17.66	-0.90	BH-CB-01	10.31	16.20	7.18	13.24	-2.93	BH-PBJ-18	9.60	14.55	7.81	12.22	-2.62	BH-CB-17	16.70	23.05	16.62	21.10	-4.40
Location	Depth to water table below the ground level																																																																		
	Post monsoon Dec 2014	Pre Monsoon March 2015	Monsoon June 2015	Post monsoon Dec 2015	Net Decrement in (m)																																																														
BH-CB-09	8.10	11.60	7.57	10.25	-2.15																																																														
BH-CB-07	7.47	9.91	4.85	9.45	-1.98																																																														
BH-CB-05	11.70	16.25	7.84	14.24	-2.54																																																														
BH-CB-04	13.50	16.50	13.28	15.25	-1.75																																																														
BH-CB-10	5.55	11.35	4.85	10.25	-4.70																																																														
BH-CB-14	16.76	18.15	8.16	17.66	-0.90																																																														
BH-CB-01	10.31	16.20	7.18	13.24	-2.93																																																														
BH-PBJ-18	9.60	14.55	7.81	12.22	-2.62																																																														
BH-CB-17	16.70	23.05	16.62	21.10	-4.40																																																														

		BH-CB-18	26.50	26.58	21.25	26.55	-0.05										
		BH-PJB-21	10.77	14.52	8.27	11.24	-0.47										
		BH-CB-40	13.75	20.26	15.70	17.40	-3.65										
		BH-CB-41	15.42	collapsed	collapsed	collapsed	collapsed										
		BH-CB-42	18.30	collapsed	collapsed	collapsed	collapsed										
		BH-CB-31	-	-	-	13.40											
(iv)	A 50 m barrier no mining zone on the side(s) of the nallahs/streams flowing in or adjacent the lease (if any) shall be demarcated and the barrier shall be thickly vegetated with native species of trees and shrubs.	There are no Nallahs/Streams in or adjacent to ML area, hence not applicable.															
(v)	The company shall ensure that no silt originating due to mining activity is transported in the surface water course (if any) flowing in the area.	There is no surface water course adjacent to ML area.															
(vi)	Cumulative impact of this mine and other mines including Madras Cements Ltd and cement plants in the area on the ambient air quality shall be assessed and data submitted to the Ministry within six months.	A study was conducted and a report for "Cumulative impact of this mine and other mines including Madras Cements Ltd and cement plants in the area on the ambient air quality" was prepared. Copy of the same was submitted in June-2011 as a part of six monthly compliance reports.															
(vii)	Shelter belt i.e. Wind Break consisting of adequate tiers of plantations around lease facing the human habitation, school/agricultural fields etc. (if any in the vicinity) shall be raised.	Shelter belt is not required as of now since there is no habitation. However, greenbelt is being developed along the boundary of the Mine.															
(viii)	Occupational Health Cell shall be created at the company under the charge of an officer of adequate seniority who is qualified person in occupational health.	<p>Occupational health cell headed by a qualified occupational health professional has been constituted. Thorough medical checkup is being conducted for all the personnel being inducted for operation and maintenance of the Mines, which shall be base data for improving mitigative measures. Employees are monitored for occupational diseases by conducting following tests:</p> <ul style="list-style-type: none"> <li>*periodic medical examination-Yearly</li> <li>*lung function test-Yearly</li> <li>*Audiometry-Yearly</li> <li>*Chest X-Ray once in five year</li> <li>*Eye test</li> </ul> <p>First aid training is being imparted to the selected employees regularly. Health check up has been carried out for 60 employees. Medical surveillance proforma of an employee is furnished.</p>															
(ix)	Personnel exposure monitoring for dust shall be carried out for the workers.	<p>Personnel dust exposure monitoring is being carried out regularly. Persons exposed to dust are provided with masks and wet drilling is adopted.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Location</th> <th style="width: 15%;">Drilling Area</th> <th style="width: 15%;">Loading Area</th> <th style="width: 15%;">Mines Office Area</th> <th style="width: 15%;">Haulage Road</th> </tr> </thead> <tbody> <tr> <td>Month</td> <td>1<sup>st</sup> week</td> <td>2<sup>nd</sup> week</td> <td>3<sup>rd</sup> week</td> <td>4<sup>th</sup> week</td> </tr> </tbody> </table>						Location	Drilling Area	Loading Area	Mines Office Area	Haulage Road	Month	1 <sup>st</sup> week	2 <sup>nd</sup> week	3 <sup>rd</sup> week	4 <sup>th</sup> week
Location	Drilling Area	Loading Area	Mines Office Area	Haulage Road													
Month	1 <sup>st</sup> week	2 <sup>nd</sup> week	3 <sup>rd</sup> week	4 <sup>th</sup> week													

		mg/m <sup>3</sup>																																			
		Oct 2015	2.7	3.0	3.3	2.8	2.3	2.0	2.6	2.3																											
		Nov 2015	2.4	2.1	3.5	3.4	2.6	1.8	2.4	2.2																											
		Dec 2015	3.0	2.6	3.1	3.8	2.1	2.3	2.9	2.6																											
		Jan 2016	2.8	3.2	2.8	3.1	1.9	1.5	2.4	2.0																											
		Feb 2016	3.2	3.7	3.4	2.6	2.2	2.0	3.2	2.7																											
		Mar 2016	3.5	3.2	3.0	2.2	2.5	2.4	3.0	2.8																											
(x)	Land use pattern of the nearby villages shall be studied, including common property resources available for conversion into productive land. Action plan for abatement and compensation for damage to agricultural land/common property land (if any) in the nearby villages, due to mining activity shall be submitted to the Ministry within six months.	There are four villages existing in the nearby area i.e. Budawada (1.4 Km.), Muktyala (2.4 Km.), Kavutuvari Agraharam (0.7 Km.) & Jaggayyapet (8.4 Km.). Land use pattern of these villages has been studied and had been submitted to MoEF. As such no damage is envisaged due to the mining activity to the agriculture land / common property in these villages.																																			
(xi)	Need based assessment for the nearby villages shall be conducted to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. This will be in addition to vocational training for individuals imparted to take up self employment and jobs.	<p>Updated status of CSR till 31<sup>st</sup> March, 2016</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Nature of Activity</th> <th>Expenditure incurred in Lakhs</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Community welfare</td> <td>101.96</td> </tr> <tr> <td>2</td> <td>Environment</td> <td>323.57</td> </tr> <tr> <td>3</td> <td>Employment</td> <td>30.80</td> </tr> <tr> <td>4</td> <td>Education</td> <td>407.93</td> </tr> <tr> <td>5</td> <td>Health</td> <td>184.68</td> </tr> <tr> <td>6</td> <td>Social Commitment</td> <td>150</td> </tr> <tr> <td>7</td> <td>Social Welfare</td> <td>12.64</td> </tr> <tr> <td colspan="2"><b>Total</b></td> <td><b>1211.58</b></td> </tr> </tbody> </table>									S.No.	Nature of Activity	Expenditure incurred in Lakhs	1	Community welfare	101.96	2	Environment	323.57	3	Employment	30.80	4	Education	407.93	5	Health	184.68	6	Social Commitment	150	7	Social Welfare	12.64	<b>Total</b>		<b>1211.58</b>
S.No.	Nature of Activity	Expenditure incurred in Lakhs																																			
1	Community welfare	101.96																																			
2	Environment	323.57																																			
3	Employment	30.80																																			
4	Education	407.93																																			
5	Health	184.68																																			
6	Social Commitment	150																																			
7	Social Welfare	12.64																																			
<b>Total</b>		<b>1211.58</b>																																			
(xii)	Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Ministry.	<p>Dust emissions in the form of SPM are being monitored regularly in buffer zone of Mine lease area. Fugitive dust emissions due to transfer, loading and unloading of raw material from mine lease area to crusher plant are being monitored regularly. Following measures are being taken</p> <p>a) Fixed Water sprinklers are being installed along the haul road and upto unloading hoppers of the limestone crushers;</p> <p>b) Wet drilling process is in operation</p> <p>c) Limiting the speed of loaded dumpers</p> <p>d) Overloading of dumpers is strictly avoided.</p>																																			
(xiii)	Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Ministry within six months.	It is planned to store rain water in the mined out pits, in line with the Mine Conceptual Plan, already submitted to MoEF. Since the mining operation has commenced, there are pits available for storage of rain water.																																			
(xiv)	Monitoring of ground and surface water quality shall be regularly conducted and	Ground water monitoring is being carried out at locations lying in buffer zone. Monitoring of Arsenic in ground water is																																			

	<p>records maintained and data submitted to the Ministry regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water and records maintained. Monitoring of Arsenic in ground water shall be undertaken.</p>	<p>undertaken regularly. Average arsenic contents observed in the range of 0.0050 to 0.01 mg/l, which is well within the prescribed limits as furnished under.</p> <table border="1" data-bbox="824 289 1474 695"> <thead> <tr> <th rowspan="2">S.No</th> <th rowspan="2">Parameter</th> <th rowspan="2">Budawada Bore well</th> <th rowspan="2">Agraharam Bore well</th> <th>IS 10500</th> </tr> <tr> <th>Permissible Standards</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>P<sup>H</sup></td> <td>7.5-8.2</td> <td>7.7-8.3</td> <td>6.5 to 8.5</td> </tr> <tr> <td>2</td> <td>Conductivity (µs)</td> <td>430-534</td> <td>498-912</td> <td>NA</td> </tr> <tr> <td>3</td> <td>Turbidity (NTU)</td> <td>1.2-3.3</td> <td>1.3-3.0</td> <td>5-10</td> </tr> <tr> <td>4</td> <td>Total Hardness (mg/L)</td> <td>212-236</td> <td>249-341</td> <td>300 to 600</td> </tr> <tr> <td>5</td> <td>Fluorides (mg/L)</td> <td>0.5-1.54</td> <td>0.2-0.7</td> <td>1.5</td> </tr> <tr> <td>6</td> <td>Arsenic as As(mg/L)</td> <td>0.005-0.01</td> <td>0.005-0.01</td> <td>0.05</td> </tr> </tbody> </table>	S.No	Parameter	Budawada Bore well	Agraharam Bore well	IS 10500	Permissible Standards	1	P <sup>H</sup>	7.5-8.2	7.7-8.3	6.5 to 8.5	2	Conductivity (µs)	430-534	498-912	NA	3	Turbidity (NTU)	1.2-3.3	1.3-3.0	5-10	4	Total Hardness (mg/L)	212-236	249-341	300 to 600	5	Fluorides (mg/L)	0.5-1.54	0.2-0.7	1.5	6	Arsenic as As(mg/L)	0.005-0.01	0.005-0.01	0.05
S.No	Parameter	Budawada Bore well					Agraharam Bore well	IS 10500																														
			Permissible Standards																																			
1	P <sup>H</sup>	7.5-8.2	7.7-8.3	6.5 to 8.5																																		
2	Conductivity (µs)	430-534	498-912	NA																																		
3	Turbidity (NTU)	1.2-3.3	1.3-3.0	5-10																																		
4	Total Hardness (mg/L)	212-236	249-341	300 to 600																																		
5	Fluorides (mg/L)	0.5-1.54	0.2-0.7	1.5																																		
6	Arsenic as As(mg/L)	0.005-0.01	0.005-0.01	0.05																																		
(xv)	<p>Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.</p>	<p>Top soil thickness is ranging up to 0.3m to 0.7m only which is being used in Safety Zone area for plantation. There is no overburden in the mines and entire mined ore is being used in the Cement Plant as Raw material. No dumping of OB is envisaged.</p>																																				
(xvi)	<p>Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</p>	<p>Not applicable, as no construction activity is involved in mining. There is no temporary or permanent housing for the labours at site.</p>																																				
(xvii)	<p>Trenches /garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs (if any) flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.</p>	<p>The limestone in the ML area is outcropping and devoid of thick soil overburden, hence no high rise soil dumps are likely to be created during mining. Moreover, there are no prominent and perennial water bodies within ML area, hence construction of check dams for arresting the silt or de-silting is not required. However, two gully plugs have been constructed.</p>																																				
(xviii)	<p>Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc shall be carried out. The company shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the</p>	<p>The training is being imparted to all new recruits during their induction period only, regarding <b>“awareness of impact of mining on their health “and “precautionary measures to be taken “</b> like use of Personal Protection Equipment etc. Such programmes are also being organized periodically. The Occupational health cell has been constituted having 2 nos. senior resident doctors supported by a team of health workers. At present Dispensary with 10 bed capacity is established with one ambulance van.</p>																																				

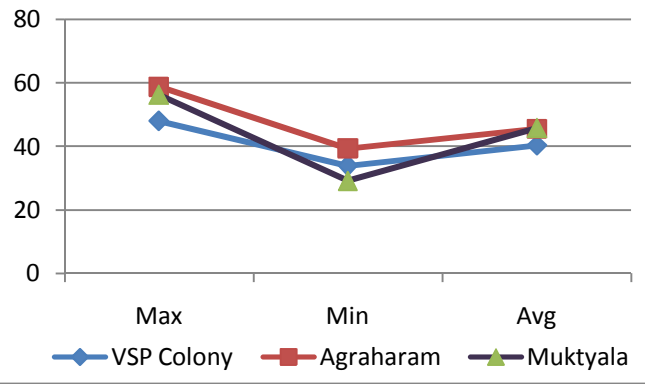
	workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required.	<p>All the staff and workers recruited for the mines are undergoing full medical tests, during their induction phase itself. These records will be used for monitoring further health problems First review report will be prepared by year 2016.</p> <p>Regular monitoring of dust is being carried out by expert team and corrective actions to minimize dust levels are taken accordingly.</p> <p>Employees are being monitored for occupational health Check up.</p> <p>First aid training is being imparted to the employees regularly.</p>																																			
(xix)	<p>Green belt development and selection of plant species shall be as per CPCB guidelines. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Ministry within six months.</p>	<p>A Green Belt Development Plan (year wise plantation and rehabilitation) which is part of Mining Plan has already submitted vide letter No.JBCP/4C/2010/132/ dtd. 25 Feb 2010.</p> <p>Green belt development and selection of plant species is undertaken as per CPCB guidelines. Tree plantation is being carried out all along 7.5m boundary. Year wise afforestation programme is furnished as under. Mined out pits are being</p> <table border="1"> <thead> <tr> <th>Period ( in years)</th> <th colspan="2">(2012-13) to (2016-17)</th> <th>(2017-18) to (2021-22)</th> <th>(2022-23) to (2026-27)</th> <th>(2027-28) to (2031-32)</th> <th>(2032-33) to (2036-37)</th> </tr> <tr> <td></td> <th>Target</th> <th>Completed till Date (29/12/2014)</th> <th>Target</th> <th>Target</th> <th>Target</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>No. of Plants</td> <td>9000</td> <td>20000</td> <td>5750</td> <td>5750</td> <td>5750</td> <td>5750</td> </tr> <tr> <td>Area in Ha</td> <td>6.0</td> <td>6.66</td> <td>3.75</td> <td>3.75</td> <td>3.75</td> <td>3.75</td> </tr> <tr> <td>Cost (Rs. in lakhs)</td> <td>4.32</td> <td>45.0</td> <td>13.58</td> <td>15.62</td> <td>17.96</td> <td>20.66</td> </tr> </tbody> </table> <p>rehabilitated into water reservoir.</p>	Period ( in years)	(2012-13) to (2016-17)		(2017-18) to (2021-22)	(2022-23) to (2026-27)	(2027-28) to (2031-32)	(2032-33) to (2036-37)		Target	Completed till Date (29/12/2014)	Target	Target	Target	Target	No. of Plants	9000	20000	5750	5750	5750	5750	Area in Ha	6.0	6.66	3.75	3.75	3.75	3.75	Cost (Rs. in lakhs)	4.32	45.0	13.58	15.62	17.96	20.66
Period ( in years)	(2012-13) to (2016-17)		(2017-18) to (2021-22)	(2022-23) to (2026-27)	(2027-28) to (2031-32)	(2032-33) to (2036-37)																															
	Target	Completed till Date (29/12/2014)	Target	Target	Target	Target																															
No. of Plants	9000	20000	5750	5750	5750	5750																															
Area in Ha	6.0	6.66	3.75	3.75	3.75	3.75																															
Cost (Rs. in lakhs)	4.32	45.0	13.58	15.62	17.96	20.66																															
(xx)	Top soil/solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.	A small quantity of topsoil generated during mining being stacked separately with proper slope and adequate safeguards. The soil is being used for green belt development.																																			
(xxi)	Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferably be of 10 m and overall slope of the dump shall not exceed	<p>There is practically no overburden in the mining area. Whatever small quantity of shale's is encountered will be segregated and dumped in the designated areas. Such dumps shall be treated as detailed in the mining plan.</p> <p>Top soil is being stacked separately and being used for green</p>																																			

	28". The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests on six monthly basis.	belt development.
(xxii)	Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.	Slope of mining benches as 10 <sup>0</sup> to 15 <sup>0</sup> and ultimate Pit limit 42m is being maintained as per Mining Scheme approved by IBM and submitted to ministry also.
(xxiii)	The waste water from the mine shall be treated to conform to the prescribe standards before discharging in to the natural stream. The discharged water from the Tailing Dam (if any) shall be regularly monitored and report submitted to the <b>MOE&amp;F, Central Pollution Control Board and State Pollution Control Board.</b>	No waste water was generated during mining.
(xxiv)	Action Plan with respect to suggestions/improvements and recommendations made during public consultation/hearing shall be submitted to the Ministry and State Govt. within six months.	Action plan was submitted to Ministry and State Govt. within six months.
(xxv)	A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forests, 5 years in advance of final mine closure for approval.	Shall be complied as detailed in the mining plan.
(xxvi)	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of ores and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Transportation of ore shall be done only during day time. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles/fine matters escape during the course of transportation. No overloading of ores for transportation of ores shall be committed.	To control vehicular emissions, PUC certificates carrying vehicles to mining lease area. All applicable clauses of Central Motor Vehicle Rules, 1989 and its amendment are strictly observed, such as: <ul style="list-style-type: none"> <li>➤ Certificates of registration</li> <li>➤ Permit</li> <li>➤ Driving license</li> <li>➤ Speed limit</li> <li>➤ Exhaust Emission</li> </ul> Following practices are being strictly followed for transportation of limestone from ML area to crusher unit located outside the ML area <ul style="list-style-type: none"> <li>✓ Setting speed limit</li> <li>✓ Coverage of loaded vehicle with tarpaulin.</li> <li>✓ No overloading of vehicle.</li> </ul>
(xxvii)	The environmental clearance is subject to the condition, if any, stipulated by the IBM on the mining scheme submitted by the project proponent for its approval.	Mining plan is approved by IBM vide letter no .MP/AP/KSN/LST-190-SZ,Dated 25/09/2008. The conditions stipulated therein are being followed and complied. Copy of approved mine plan has already been submitted to the ministry.
(xxviii)	Adequate buffer zone shall be maintained	Not applicable as there is no consecutive mineral deposit

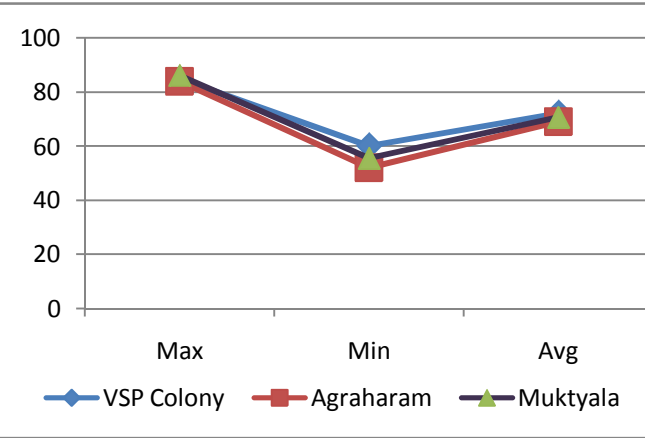
between two consecutive mineral bearing deposits.	adjacent to ML area.
---	----------------------

<b>B</b>	<b>GENERAL CONDITIONS</b>	<b>COMPLIANCE</b>
(i)	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	Hasn't been carried out so far.
(ii)	No change in the calendar plan including excavation, quantum of mineral and waste shall be made.	Hasn't been carried out so far.
(iii)	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	The dust emissions are being monitored in buffer zone of Mine lease area. Fugitive dust emission due to transfer, loading and unloading of raw material from mine lease area to crusher plant will be regularly monitored. Following measures are being taken and will be strictly adhered a)Water sprinkling on haul roads ,loading points; b)Wet drilling process; c) Limiting the speed of loaded dumpers.
(iv)	Four ambient air quality-monitoring stations shall be established in Core Zone as well as in the Buffer Zone for RPM, PM10/PM2.5, SO <sub>2</sub> ,NO <sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Monitoring is being conducted at the locations approved by State Pollution Control Board.
(v)	Data on ambient air quality (RPM, PM10/PM2.5, SO <sub>2</sub> , and NO <sub>x</sub> ) should be regularly submitted to the Ministry including Regional office at Bangalore and APPCB/CPCB once in six months. The monitored data of critical pollutants mentioned above shall be regularly uploaded on the company's website and also displayed at project site.	At present Monitoring is being conducted at 3 locations lying in buffer zone. Data is being regularly submitted to RO-MoEF & RO-APPCB. Efforts are being made for uploading on company's website. The data is submitted to APPCB vide letter no.JCCL/JBCP/4(I)2015-3882, dated 04 <sup>th</sup> May 2015. <b><u>PM 2.5</u></b>

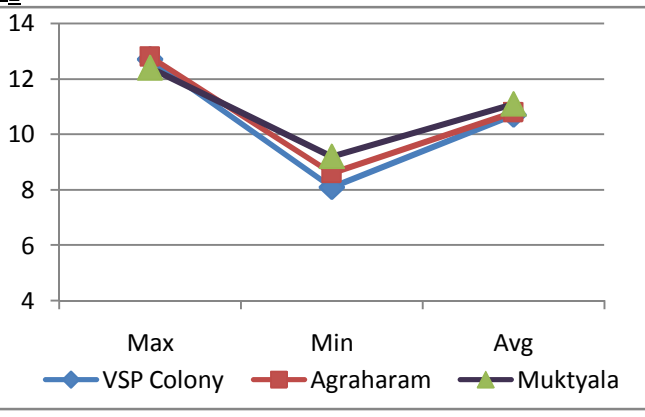




**PM 10**



**SO<sub>2</sub>**



**NO<sub>x</sub>**

		<table border="1"> <caption>Noise Levels (dB) at different locations</caption> <thead> <tr> <th>Location</th> <th>Max</th> <th>Min</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>VSP Colony</td> <td>16.5</td> <td>12.5</td> <td>13.5</td> </tr> <tr> <td>Agraharam</td> <td>16.5</td> <td>11.5</td> <td>13.5</td> </tr> <tr> <td>Muktyala</td> <td>15.5</td> <td>11.5</td> <td>13.5</td> </tr> </tbody> </table>	Location	Max	Min	Avg	VSP Colony	16.5	12.5	13.5	Agraharam	16.5	11.5	13.5	Muktyala	15.5	11.5	13.5
Location	Max	Min	Avg															
VSP Colony	16.5	12.5	13.5															
Agraharam	16.5	11.5	13.5															
Muktyala	15.5	11.5	13.5															
(vi)	<p>Measures shall be taken for control of noise levels below 85 dB (A) in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear plugs/muffs.</p>	<p>Noise levels are being controlled within the prescribed limits of 85dB at source. Modern machineries are being deployed with reduced noise levels. Ear muffs /Plugs provided to workers engaged in operations of HEMM.</p>																
(vii)	<p>Industrial waste water (workshop and waste water from the mine) should be properly collected, treat so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.</p>	<p>No waste water is generated during mining. “Zero Discharge” is maintained for the water generated from HEMM work shop. Oil &amp; Grease Separator is under Installation for treating waste water from the HEMM work shop. O&amp;G free waste water is utilized for green belt development &amp; dust suppression only.</p>																
(viii)	<p>Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.</p>	<p>Persons working in dusty areas are being imparted adequate training and information on safety &amp; health aspects. They are provided with PPEs especially respiratory devices to protect themselves from dust. Health surveys are being conducted by qualified team of Occupational Health Cell.</p>																
(ix)	<p>Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</p>	<p>Not applicable, as no construction activity is involved.</p>																
(x)	<p>A separate Environmental Management Cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the Organization.</p>	<p>A separate Environment Cell has been constituted to handle environment management related issues. The composition and structure of Environmental Management Cell is furnished as under.  <u><b>Environment Management Cell</b></u>  <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">President</div></p>																

		<pre> graph TD     Root[ ] --&gt; VP["VP (P &amp; QC)"]     Root --&gt; GM1["GM (Mechanical)"]     Root --&gt; GM2["GM (Electrical)"]     Root --&gt; SrGM["Sr.GM (Mines)"]     VP --&gt; SrMgr["Sr. Manager (P &amp; QC)"]     SrMgr --&gt; EnvOff["Environmental Officer"]     EnvOff --&gt; TechAss["Technical Assistant"] </pre>
(xi)	The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Date of financial closure is 16/06/2009 and land development work is commenced from 07.03.2012.
(xii)	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bangalore.	The funds earmarked for environmental protection measures haven't been diverted for other purpose.
(xiii)	The project Authorities shall inform the Regional Office at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Date of financial closure is 16/06/2009 and land development work is commenced from 07.03.2012.
(xiv)	The Regional office of the Ministry at Bangalore shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	All necessary cooperation shall be extended to the visiting officials.
(xv)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the <b>MOE&amp;F, its R.O at Bangalore, CPCB and APPCB. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website</b> and update the same periodically and simultaneously send the same by e-mail to the R.O, MOE&F.	Being complied. All updated six monthly compliance reports are being submitted to RO-MoEF, Chennai, ZO-CPCB & APPCB.
(xvi)	The project proponent shall advertise in at	

	<p>least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality, office of Municipal Corporation/Gram Panchayat concerned and on the company's website within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution control Board/Committee and may also be seen at website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p>	<p>Already Complied</p>
(xvii)	<p>A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion/representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.</p>	<p>The clearance letter was put on the company web site.</p>
(xviii)	<p>State Pollution Control Board shall display a copy of the clearance letter at the Regional office District Industries Centre and Collector's office / Tehsildar Office for 30 days.</p>	<p>Copy of the clearance letter was displayed at the Regional office District Industries Centre.</p>
(xix)	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of environmental clearance conditions. The same shall also be sent to the Regional Office of Ministry by e-mail.</p>	<p>Being complied. The Environmental Statement for the year 2014-2015 has been submitted vide letter no. JCCL/ JBCP/ 4(I)/ 2015-2941 dated 30<sup>th</sup> September 2015.</p>

## Budawada Limestone Mine of Jaypee Balaji Cement Plant

<b>1</b>	Present status of the project	Mining is being carried out as per the IBM approved plan.
<b>2</b>	Quantity of mineral mined out for the reporting period	1098723 Metric Tons
<b>3</b>	Calendar plan of mining activity	Target production is 1.735 Million Ton, from four benches of open pit.

### Annexures for Condition No. XI, XIV of Specific Conditions and V, XIX of General Conditions

#### **BUDAWADA LIMESTONE MINES OF JAYPEE BALAJI CEMENT PLANT AMBIENT AIR QUALITY REPORT "October -2015 to March 2016"**

LOCATION		VSP COLONY				AGRAHARAM VILLAGE			
Parameters (mg/m <sup>3</sup> )	week	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>
<b>Oct 2015</b>	1	36.4	66.5	9.1	12.4	38.5	59.3	6.8	12.9
	2	39.8	71.8	10.5	12.9	46.2	72.8	8.6	13.4
	3	42.3	84.9	8.4	14.9	39.4	59.7	11.5	11.6
	4	32.5	69.5	11.1	14.0	41.9	66.8	9.1	13.8
<b>Nov 2015</b>	1	29.1	58.2	9.6	13.8	40.2	61.2	11.1	12.9
	2	28.5	72.6	9.1	14.6	36.6	59.5	10.5	13.1
	3	40.4	72.7	11.5	13.8	44.5	52.4	9.6	13.4
	4	39.3	66.2	12.1	13.2	46.7	78.3	11.8	13.5
<b>Dec 2015</b>	1	41.4	78.5	8.1	12.3	49.4	71.6	9.7	11.6
	2	40.8	76.1	10.6	13.2	50.1	62.1	10.9	12.5
	3	41.5	77.4	11.3	13.1	58.9	82.2	11.9	12.7
	4	39	60.2	12.2	13.3	45.4	75.5	10.2	13.1
<b>Jan 2016</b>	1	36.1	71.3	9.6	12.4	40.6	70.3	9.1	11.5
	2	42.5	66.5	10.7	13.5	43.8	61.8	8.2	12.3
	3	39.1	70.3	9.2	14.1	39.2	62.8	9.4	11.5
	4	44.2	81.4	10.6	12.4	48.2	56.2	10.8	11
<b>Feb 2016</b>	1	42.1	70.3	11.2	14.6	45.6	64.5	10.6	15.6
	2	36.5	72.8	11.6	15.9	40.8	68.2	11.7	16.8
	3	42.8	68.5	11.6	13.5	44.2	71.5	12.1	14.6
	4	43.8	62.9	13.4	15.7	39.8	61.3	11.5	16

<b>Mar 2016</b>	1	39.8	765	10.2	13.5	41.8	73.9	10.6	13.5
	2	41.6	73.4	10.6	14.5	40.3	75.6	10.6	13.6
	3	45.8	69.5	11.6	13.4	39.8	81.4	10.9	12.9
	4	46.3	70.6	12	14.2	45.6	69.5	12.1	14.5

LOCATION		MUKTYALAYA VILLAGE				BUDAWADA VILLAGE			
Parameters (mg/m <sup>3</sup> )	week	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>x</sub>
<b>Oct 2015</b>	1	29.3	55.6	9.4	12.4	33.2	66.8	11.5	12.6
	2	36.7	61.8	11.8	13.6	41.1	79.4	9.5	12.8
	3	46.1	64.5	9.5	10.8	29.8	64.6	9.4	12.1
	4	42.3	72.6	10.3	11.8	40.8	72.6	10.6	13.4
<b>Nov 2015</b>	1	46.3	79.4	11.6	13.3	35.4	69.8	9.6	12.1
	2	45.2	64.1	11.6	15.4	39.3	84.2	11.5	14.6
	3	44.4	67.7	11.5	15.2	Sampling discarded due to rain			
	4	51.7	70.2	12.1	14.6	28.7	55.6	11.1	12.9
<b>Dec 2015</b>	1	48.3	74.4	10.7	11.5	48.4	91.7	9.4	13.4
	2	51.6	75.5	12.4	12.4	50.2	86.6	10.9	13.7
	3	54.8	79.4	11.6	12.4	43.8	65.9	13.5	14.3
	4	48.4	70.5	10.9	13.8	58.5	73.5	12.9	13
<b>Jan 2016</b>	1	28.6	56.2	8.6	11.5	40.6	66.9	10.6	15.6
	2	35.6	61.3	8.3	11.9	43.9	75.6	12.6	15.1
	3	38.1	72.6	10.7	11.6	40.6	69.8	12.9	14.1
	4	41.1	56.2	10.5	13.8	42.3	61.8	10.8	14.2
<b>Feb 2016</b>	1	39.5	70.6	12.3	13.8	40.6	69.2	10.6	14.0
	2	44.2	84.1	10.5	14.2	42.8	65.8	10.1	15.2
	3	48.9	74.2	12.9	12.4	50.7	71.6	12.4	14.2
	4	46.2	69.8	11.6	13.8	45.9	69.7	12.0	15.8
<b>Mar 2016</b>	1	41.5	59.4	10.9	14.2	46.3	70.5	10.9	12.9
	2	40.6	63.8	11.2	13.4	50.6	71.5	10.5	14.5
	3	46.7	65.9	11.2	12.1	49.5	71.0	11.1	12.5
	4	50.9	61.8	11.9	13.3	50.6	79.3	11.9	15.1

❖ **AMBIENT NOISE MONITORING REPORT**

Location	Crusher Area		Mines Office		Working Pit Area		Magazine Area	
	Day	Night	Day	Night	Day	Night	Day	Night
Oct 2015	66.8	62.8	58.5	48.5	72.5	63.8	53.5	45.6
Nov 2015	68.4	60.7	57.4	42.6	70.3	65.4	51.8	42.4
Dec 2015	66.2	65.3	54.6	45.9	69.5	61.5	56.5	41.8
Jan 2016	69.4	62.1	53.8	46.1	71.5	66.5	52.8	46.5
Feb 2016	70.5	63.4	62.8	42.8	71.9	62.5	52.4	45.2
Mar 2016	67.3	64.8	55.1	46.9	72.8	67.2	50.9	43.4

## Environmental laboratory Equipment List

<b>S.No</b>	<b>Serial No.</b>	<b>List Of Equipments/Instruments</b>	<b>Qty, Nos</b>	<b>Tests Being Analyzed</b>	<b>Make</b>
1	FPM-222	<b>Continuous Online Ambient Air Quality Monitoring Analyzers</b>	3	PM 2.5 & PM 10	TOADKK (swan)
2	3350WD2	<b>Automatic Weather Monitoring Station</b>	1	Micro-meteorological Parameters (Temp, rainfall, wind speed, wind direction, Humidity and dew point)	Watchdog
3	1007	<b>Portable Flue Gas Analyzer</b>	1	O2, CO, CO2, SO2, Nox for flue gas	Vayubhodan
4	776DTH10	<b>Vayubodhan Stack Monitoring Kit</b>	1	PM, Flow rate, velocity, SO <sub>2</sub> & NO <sub>x</sub>	Vayubhodan
5	HEDN124009	<b>UV-Spectrophotometer (UV10)</b>	1	Sulphates, Flourides, Nitrates, Phosphates, NH <sub>3</sub> , SO <sub>2</sub> & NO <sub>x</sub>	Thermfischer
6	337-DTE-2010	<b>Fine Particulate Sampler APM-550</b>	1	PM 2.5 & PM 10	Envirotech
7	10090689	<b>Photometer NOVA 60A Spectroquant</b>	1	Chlorides, Nitrates, Arsenic, Sulphates, Ammonia & Iron	Merck
8	1738-DTF-2010	<b>Respirable Dust Sampler APM-450BL</b>	2	PM 10	Envirotech
9	201004085	<b>Turbidity Meter</b>	1	Turbidity	Merck
10	10271300	<b>BOD measuring Instrument(OXI TOP IS 6)</b>	1	BOD	oxi-top
11	88-DTF-2010	<b>Sound Level Meter SLM-100</b>	1	Sound Level	Envirotech
12	MAC-6154	<b>UV-Cabinet for microbiological testing</b>	1	Coli forms	
13	MAC-6153	<b>Autoclave with pressure indicator</b>	1	Coli forms	
14	10280521, 10280530	<b>Electrical Conductivity Meter</b>	2	Conductivity	



15	10280660, 10280658	<b>pH METER-DIGITAL</b>	2	pH	
16	B018032241	<b>Electronic Balance (Metler)</b>	1	For Weighing	Metler
17	25405212	<b>Electronic balance (Denver)</b>	1	For Weighing	Denver
18	808-DTD-2010	<b>Personal Sampler APM 800</b>	1	Dust Conc.	Envirotech
19	10290306, 10290311	<b>Vario Handy PH</b>	2	pH	
20	844-DTC-2010	<b>Gaseous Sampling Attachment APM 411</b>	1	SO <sub>2</sub> & NO <sub>x</sub>	Envirotech
21	MAC-6151	<b>Jar Test Apparatus</b>	1	Settling time	
22	MAC-6152	<b>Hot Air Oven</b>	1	All Experiments	
23	MAC-6156	<b>Laboratory Hot plate</b>	1	All Experiments	
24	MAC-6197	<b>Water Bath</b>	1	TDS, and Other incubation	
25	--	<b>COD Digester</b>	1	COD	
26	--	<b>BOD Incubator</b>	1	BOD	
27	CAT.NO. MSW- 421	<b>Rectangular Hot Plate</b>	1	All Experiments	
28	SL-4001	<b>Noise Meter</b>	1	Noise Level	
29	--	<b>Orsat apparatus</b>	1	CO, O <sub>2</sub> , CO <sub>2</sub>	
30	--	<b>Magnetic Stirrer</b>	1	All Experiments	

**Annexure-II**  
**Ground Water Sample Analysis Report**

Date of Sampling			12-12-2015					
Nature of Samples			Ground water (Buffer zone - Mine lease area)					
No. of Samples			05					
Parameters			Chemical & Physical					
S.No	PARAMETERS	UNITS	BUDAWADA VILLAGE	RAMAPURAM VILLAGE	AGRAHARAM VILLAGE	MUKTYALA VILLAGE	VSP COLONY	IS 10500:2012 STANDARDS FOR DRINKING WATER (Acceptable - Permissible)
1	pH	-	8.24	7.82	7.71	7.91	7.68	6.5 - 8.5
2	Turbidity	NTU	2.5	1.8	1.2	1.8	2.0	1 - 5
3	Total hardness	mg/L	466	228	234	184	320	200 - 600
4	Alkalinity	mg/L	548	576	369	197	280	200 - 600
5	Dissolved solids	mg/L	1169	418	611	294	401	500 - 2000
6	Chlorides	mg/L	142	70	110	35	105	250 - 1000
7	Sulphates	mg/L	364.2	23.7	26.3	7.1	321.5	200 - 400
8	Nitrates	mg/L	8.1	6.4	7.9	10.6	15.7	45
9	Fluorides	mg/L	1.1	0.6	0.8	0.7	0.8	1.0 - 1.5
10	Calcium	mg/L	156	119	83	55	112	75 - 200
11	Magnesium	mg/L	14.4	19.2	24.9	8.6	18.7	30 - 100
12	Copper	mg/L	BDL	BDL	BDL	BDL	BDL	0.05 - 1.5
13	Manganese	mg/L	BDL	BDL	BDL	BDL	BDL	0.1 - 0.3
14	Zinc	mg/L	BDL	BDL	BDL	BDL	BDL	15
15	Iron	mg/L	0.22	0.16	0.13	0.08	0.11	0.3
16	Mercury	mg/L	BDL	BDL	BDL	BDL	BDL	0.001
17	Cadmium	mg/L	BDL	BDL	BDL	BDL	BDL	0.01
18	Selenium	mg/L	BDL	BDL	BDL	BDL	BDL	0.01
19	Arsenic	mg/L	BDL	BDL	BDL	BDL	BDL	0.05
20	Cyanide	mg/L	BDL	BDL	BDL	BDL	BDL	0.05
21	Lead	mg/L	BDL	BDL	BDL	BDL	BDL	0.05
22	Chromium	mg/L	BDL	BDL	BDL	BDL	BDL	0.05
23	Coli form count	MPN/100 mL	Nil	Nil	Nil	Nil	Nil	Shall not be detected in 100ml of sample

## Surface Water Analysis Report

**Environment Lab, Jaypee Balaji Cement Plant.**

Date Of Collection		10-10-2015			
Source Of Samples		Krishna (Muktyala) & Paleru (Budawada)			
Nature Of Samples		River Water (Surface Water)			
No. Of Samples		02			
S.No	PARAMETERS	UNITS	KRISHNA (Muktyala)	PALERU (Budawada)	IS-2296 Surface Water Quality Standards (Class E – Water for irrigation, industrial cooling)
1	pH	-	8.19	8.52	6.5 to 8.5
2	Conductivity	µs/cm	612	917	2250
3	TDS	mg/L	383	594	2100
4	CHLORIDES	mg/L	71	86.9	250 to1000
5	FLORIDES	mg/L	0.7	0.9	1.5
6	SULPHATES	mg/L	42.6	175.6	200 to 400
7	NITRATES	mg/L	13.8	15.7	---
8	TOTAL HARDNESS	mg/L	144.2	203.7	---
9	ALKALINITY	mg/L	173.1	186.4	---
10	ARSENIC as AS	mg/L	<0.005	<0.005	0.2

## Surface Water Analysis Report

**Environment Lab, Jaypee Balaji Cement Plant.**

<b>Date Of Collection</b>			<b>15-12-2015</b>		
<b>Source Of Samples</b>			<b>Krishna (Muktyala) &amp; Paleru (Budawada)</b>		
<b>Nature Of Samples</b>			<b>River Water (Surface Water)</b>		
<b>No. Of Samples</b>			<b>02</b>		
<b>S.No</b>	<b>PARAMETERS</b>	<b>UNITS</b>	<b>KRISHNA (Muktyala)</b>	<b>PALERU (Budawada)</b>	<b>IS-2296 Surface Water Quality Standards (Class E – Water for irrigation, industrial cooling)</b>
1	pH	-	8.29	8.61	6.5 - 8.5
2	Conductivity	µs/cm	643	993	2250
3	TDS	mg/L	403	627	2100
4	CHLORIDES	mg/L	64.8	91.2	250 - 1000
5	FLORIDES	mg/L	0.6	0.9	1.5
6	SULPHATES	mg/L	32.8	191.5	200 - 400
7	NITRATES	mg/L	19.3	25.1	---
8	TOTAL HARDNESS	mg/L	152.2	241.8	---
9	ALKALINITY	mg/L	189.2	203.9	---
10	ARSENIC as AS	mg/L	<0.005	<0.005	0.2

## Surface Water Analysis Report

**Environment Lab, Jaypee Balaji Cement Plant.**

Date Of Collection		07-02-2016			
Source Of Samples		Krishna (Muktyala) & Palleru (Budawada)			
Nature Of Samples		River Water (Surface Water)			
No. Of Samples		02			
S.No	PARAMETERS	UNITS	KRISHNA (Muktyala)	PALERU (Budawda)	IS-2296 Surface Water Quality Standards (Class E – Water for irrigation, industrial cooling)
1	pH	-	8.17	8.39	6.5 - 8.5
2	Conductivity	µs/cm	657	928	2250
3	TDS	mg/L	412	576	2100
4	CHLORIDES	mg/L	68	77	250 - 1000
5	FLORIDES	mg/L	0.6	0.7	1.5
6	SULPHATES	mg/L	51.3	367.1	200 - 400
7	NITRATES	mg/L	19.4	23.8	---
8	TOTAL HARDNESS	mg/L	162.7	272.8	---
9	ALKALINITY	mg/L	204.5	324.2	---
10	ARSENIC as AS	mg/L	<0.005	<0.005	0.2

## **Implementation of CSR & Fufillment of Commitments Made During Public Hearing**

<b>DATE</b>	<b>DETAILS OF CSR ACTIVITY</b>	<b>Amount in Lakhs</b>	<b>Remarks</b>
31.03.2016	Provided Construction Material (Cement, steel & stone agregate) for Shiv Mandir at Budawada	14	Community
10.03.2016	Celebrations of Holy Festival at Budawada Village	0.15	Sports/Community
07.03.2016	Celebrations of MahaSivaratri Festival at Muktyala Village (Arrangements for Shower bath, Floodlights)	0.2	Community
04.12.2015	Provided assistance for Pongal Festival Celebrations at Budawada (Banjara Seva Samithi Sangam)	0.15	Community
23.11.2015	Provided rescue services (HEMM like Hyva) for Flood Relief Operations in Nellore District	0.5	Community
05.10.2015	Relaying of Old Donka Road (2 km) towards farming fields from Crusher gate	0.81	Community
30.09.2015	Provided Employment for 13 no's of inhabitants	1	Employment
24.09.2015	Removal of grass and bushes along both sides of irrigation Canal at Budawada	0.76	Community
23.09.2015	Assistance to the Construction of compound wall of Shiva mandir at Budawada.	1.5	Community
22.09.2015	Donation of 800 Cement bags for construction of Temple (Ganga - Ramalingeswara Swamy) at Lingala	2.7	Community
30.08.2015	Provided drinking water supply daily through Water Tankers for Y.Tanda villagers on their request for two months	0.37	Community
11.08.2015	Relaying of Old Donka Road for field farmers of Budawada	0.98	Community
04.08.2015	Donation of 200 Cement bags for construction of New Hope Church at Muktyala	0.67	Community
20.06.2015	Medical assistance offered for accident injured person (B.Krishna) of Y.Tanda village.	1	Health
25.04.2015	Provided 200 no's of Safety Jackets to RTA- Nandigama	0.5	Community
06.04.2015	Sponsorship towards AP Revenue services association State level sports meet at Vizag.	0.5	Sports/Community
06.04.2015	Celebrations of SriRamaNavami Festival at Ramapuram Village	0.1	Community
06.04.2015	Celebrations of SriRamaNavami Festival at Budawada Village	0.05	Community

30.03.2015	Provided apprenticeship training for 80 no's of ITI students	28.8	Employment
29.03.2015	Medical Camps conducting at near villages No's 08 (Budawada,Muktyala,Ramapuram,Kuchipudi,Y Thanda,RN Thanda,K Agraharam,Annaram).(Monthly)	2	Health
28.03.2015	Expenses incurred in maintaining water pumping systems at Muktyala village	0.72	Community
25.03.2015	Domestic water supply to Budawada villagers and system maintainance	4.2	Community
05.03.2015	Celebrations of Holy Festival at Budawada Village	0.2	Community
05.03.2015	Celebrations of Holy Festival at Redyanaik Tanda Village	0.1	Community
25.02.2015	Celebrations of MahaSivaratri Festival at Muktyala Village	0.2	Community
11.02.2015	Donation of 800 cement bags for Construction of Police Station at Penuganchiprolu, Krishna Dist.	2.8	Community
30.01.2015	Donation of 200 cement bags for Construction of Veterinary Hospital at Ramapuram	0.68	Community
06.01.2015	Distric Level Kabaddi Championship at Budawada	0.15	Others
08.12.2015	Widening and levelling of road by removing barren trees at Kuchipudi Village	0.22	Community
15.11.2014	Celebrations of Moharram Festival at Muktyala Village	0.05	Community
01.11.2014	Medical Camps conducting at near villages No's 08 (Budawada,Muktyala,Ramapuram,Kuchipudi,Y Thanda,RN Thanda,K Agraharam,Annaram).(Monthly Twice)	1	Health
25.09.2014	Donation for Govt.of AP NTR Sujala Padakam for providing Drining ( RO )water to Budawada Village	3	Community
11.09.2014	Providing drinking water supply daily for Budawada villagers through pipe line	10	Community
15.08.2014	Donation of 400 Cement Bags to Sh Venugopala Swamy Temple for construction at Jaggayyapeta, Krishna Distt (A.P)	1.4	Community

16.07.2014	Donation of 400 Cement Bags to Sh Ramachandra Swamy Temple for construction at K.Agraharam , Krishna Distt (A.P)	1.4	Community
20.06.2014	Donation for P.Rama Rao(Ex.MPP) for Community welfare regarding Temple, Ramapuram , Nalgonda Dt.	0.2	Community
19.06.2014	Donation of 750 bags to District Fire Office, Vijayawada for construction of New Fire Head Quarters of the New state (AP)	1.87	Community
19.06.2014	Donation of 450 bags to Banjara Seva Sangam of Thanda of Budawada for construction of Ankamma, Mahalakshamma, Tirupatamma, and Nagendra Swamy in Tanda of Budawada Village	1.12	Community
05.06.2014	Donation of 165 no.of Logo printed T-Shirts for World Environment Day 2014 celebrations for Regional Offices of Vijayawada and Guntur of APPCB	0.33	Environment
31.03.2014	Construction of Church in SC colony area Budawada village	9	Community
18.03.2014	Donation to ST Community of Budawada for Puja celebrations of Holi	0.15	Community
27.02.2014	Cleaning and arrangements for Snan Ghat including providing Shower bath for Muktyala Village on occasion of Sivarathri Festival	0.2	Community
02.02.2014	Donation of 100 bags to Sri Chenna Kesava Swamy & Anjaneya Swamy, Ramalingeswara swamy temple for construction of temple in Bobbarla padu village	0.25	Community
17.01.2014	Donation for financial assistance to Krishna District Association to conduct Sports in Jaggaiahpet.	0.5	Others
10.01.2014	Donation for financial assistance to conduct cultural programmes in Budawada Village	0.1	Community
07.01.2014	Financial assistance for construction and maintainance of RRCP to Curator SV Zoological park, Tirupathi	140	Environment



06.01.2014	Donation of 100 bags to for rennovation of Police station of Chillakallu	0.25	Community
04.12.2013	Donated to Directrate of Education for State School games (Wieght Lifting) in Jaggaiapeta Municipal Stadium.	0.25	Others
14.06.2013	Donating to Army recruitment drive through district collector, Krishna	1	Employment
19.04.2013	Donating to M.P.U.P.School, Budawada for celebration of Annual Function	0.15	Community
19.04.2013	Donating to Kanaka Durga Temple Commitee for celebration of Srinama Navami, Budawada.	0.05	Community
28.03.2013	Contribution for SC welfare Cricket Association, Budawada for conduting Cricket tournament	0.05	Others
27.03.2013	Contribution for Holi Puja Celebrations in Muktyala Village	0.03	Community
27.03.2013	Contribution for Holi Puja Celebrations in Budawada Village	0.4	Community
09.03.2013	Cleaning and arrangements for Snan Ghat including providing Shower bath for Muktyala Village on occasion of Sivarathri Festival	0.285	Community
03.03.2013	Contribution for MRO office for White Wash & Indoor painting at Tahsil Office, jaggaiapeta	0.22	Community
01.03.2013	water Supply arrangements for Muktyala Village people	2	Community
20.02.2013	Donating to B. Venkateswarulu S/o Ramulu Budawada Residence for Medical Treatmentfor jaundice in Andhra Hospital	0.3	Health
14.02.2013	contributio of 100 cement bags for district Industrial Center, Vijayawada for renovation.	0.25	Community
14.02.2013	Active Bicycles Association, Vijayawada. Cycles rally from Jaggaiapeta to Tirupathi, for creating peace awareness.	0.15	Others

14.02.2013	Contribution to Gaddam Laxmana, residence of Budawda S/o Late Kota for medical treatment for wife due to Snake bite	0.5	Health
13.02.2013	Contribution for 250 Cement bags Construction of Compound wall for Masjid in Madipadu Village to Protect from Animals	0.625	Community
11.01.2013	Donation to Banjara yuvajana Seva sangam, Budawada for conducting sports on occasion of pongal	0.15	Others
10.01.2013	Donation of 400 bags of Cement for Raod Works Committee for laying of cement Road in Muktyala Village limits by R&B Department	1	Community
02.01.2013	Donation to Sri Sita Ramachandra swamy temple at Dondapadu	0.05	Community
02.01.2013	Donation of 100 bags of cement to Madina Masjid and Ed ga Commity Ramapuram	0.25	Community
25.12.2012	Donation For renovation of church at Muktyala village.	0.02	Community
17.11.2012	Donation For Moharram Celebration at Muktyala Village	0.1	Community
19.10.2012	Donation to Amature Boxing Association Hyderabad	0.2	Others
19.10.2012	Donation to SC welfare Boys Hostel,Gandrai,Jaggayyapet for Library	0.089	Education
19.10.2012	Donation for Sri Mahalakshmi Temple, Addala Bazar, Jaggayyapet	0.11	Community
25.09.2012	Donation of 200 bags of cement to Madina Masjid, Torraguntapalem village, Jaggaiapet for development Works of Masjid.	0.5	Community
25.09.2012	Donation of 200 bags of cement to Madrasa Islamia Darul Uloom Siddiquie, Jaggaiapet for improvement of Masjid	0.5	Community
25.09.2012	Donation of 100 bags of cement to Krishna District BSNL sports, Cultural & Welfare board, Vijayawada for proposed conventioncenter construction	0.25	Community
10.09.2012	Donation of 200 bags of cement to Sri Ganga Bramarambika Sameta Mallikarjuna Swamy Temple, Srisailam for devolepment of temple.	0.5	Community
24.09.2012	Donation for PYKKA lower level competition,Jaggaiapet	1	Education
24.09.2012	Donation for vinayaka Chaturdi festival, Muktyala Village	0.1	Community

31.07.2012	Donation of 300 bags of cement to Sri Krishna Yuvasena samskhema Sangam, Shivaganga committee for construction of gangamma Temple K.Agraharam.	0.75	Community
02.07.2012	Donation to District Collector for Deepam Scheme for providing Gas Cylinders for BC/SC Welfare Hostel	3	Others
18.06.2013	Financial Assistance provided to M.Raja,s/o Chinna Saidulu Budawada Village, for her higher study purpose	0.175	Education
18.06.2012	Financial Assistance provided to G. Ramadevi d/o Ms Gaddam Saidulu, Budawada Village, for her higher study purpose	0.175	Education
12.04.2012	Dr.B.R.Ambedkar Youth, Ramapuram, to provide Free food & free cloths for poor & aged people on Ambedkar's Birth Day.	0.05	Community
12.04.2012	Dr.B.R.Ambedkar Spoorthy Youth Association, Dondapadu, to provide Free food & free cloths for poor & aged people on Ambedkar's Birth Day.	0.05	Community
10.04.2012	Donation to Sri Rama Temple for Ramanavami celebrations in Ramapuram	0.1	Community
07.04.2012	Donation of 200 bags cement to Church of South India at Budawada for construction of Church	0.5	Community
06.04.2012	Donation of 200 bags cement to Masjid E Rukhia at Jaggaipeta	0.5	Community
06.04.2012	Donation of 1020 bags (51 tonnes)of cement to Sri Durga Malleswara swamy Temple, vijayawada for devolepment of temple	2.55	Community
06.04.2012	Donation of 1020 bags (51 tonnes)of cement to Sri Ganga Bramarambika Sameta Mallikarjuna Swamy Temple, Srisailam for devolepment of temple	2.55	Community
06.04.2012	Donation of 2020 bags (101 tonnes)of cement to Thirumala Tirupathi Devasthanam(TTD) for devolepment of temple	5.05	Community
28.03.2012	Donation to the Chairman Indian Red Cross Society, Krishna Dist.(Rs.20000 + Rs.10000) for conducting blood donation camps.	0.3	Health
20.02.2012	Sponsorship for Maha Shivaratri festival at Mutyala village ( Flood lights decoration & arrangement of bathing showers)	0.17	Community

30.01.2012	Donation for Bhoomi puja of Shivji Temple in Budawada	0.03	Community
30.01.2012	2 days National Seminar Conducted at SGS College Jaggayyapet on "the role of local industries in Sustaining Healthy Environment' on 24th 25th january	0.1	Education
19.11.2011	To conduct PYKAA sports in Jaggayyapet Mandal	1	Others
01.10.2011	Donation for Sri Mahalakshmi Temple, Addala Bazar, Jaggayyapet	0.11	Community
06.09.2011	Financial Assistance provided to Ms A Rajani, Budawada Village, for her higher study purpose(B.Pharmacy)	0.35	Education
14.08.2011	Red Cross Blood Donation camp help at Balaji site	0.18	Health
25.06.2011	NabhiShila Establishment function in Annavaram Village,Jaggayyapet mandal	1	Community
17.06.2011	Donatin to Sri Venkateswara Temple Committee, jaggaiapet.	0.21	Community
01.06.2011	Establishment of Dwajastambam & Renovation of Temples in Ramapuram - Grama Abivrudhi Committee	2	Community
01.05.2011	Renovation works done at 2 schools in Budawada Villagee	1.35	Education
19.05.2011	Sri Prasannajaneya Swmiwari Devalayam, Share Mahammadpet village, Jaggayyapet mandal	0.1	Community
13.04.2011	Amount paid to Dr.Ambedkar Youth Association on the occation of Dr.Ambedkar Birth Day, program conducted at Ramapuram	0.15	Others
19.03.2011	2 pairs of uniform given to 425 school children in Budawada village	2.125	Education
15.03.2011	Donation to Sri Rama Temple for Ramanavami celebrations in Ramapuram	0.1	Community
28.02.2011	Village Health Program started from 28th February 2011, the program is still continues alternative Friday's of every month	0.5	Health
02.02.2011	Active Bicycles Association, Vijayawada. Cycles rally from Vijayawada to New Delhi, 45 students particiaped in this rally.	0.5	Others

26.01.2011	Financial Assistance provided to Ms A Rajani, Budawada Village, for her higher study purpose(B.Pharmacy)	0.35	Education
24.12.2010	Furniture worth 36,925/- provided to Budawada school & Panchayat Office	0.37	Education
02.12.2010	Financial Assistance to JDAV Public School, VSP Steel plant Colony, Jaggayyapet	0.5	Education
22.07.2010	Convener District Organising Committee 500 convocation celebration of Sri Krishna Devaraya, Vijayawada	3	Others
Jul-10	Donated to B.Suneel S/o Late Konda R/o Budawada village who belongs to SC Community for taking coaching classes at Chembiosis Coaching Centre, Hyderabad for pursuing Higher studies	0.25	Education
Jun-10	Organised free food campaign and blood donation camp. In addition to distribution of cloths to poor , old aged people on the occasion of new Mother Teresa statue inauguration, Mallacheruvu	0.05	Others
Apr-10	Training given for 35 days in PS BOSE driving school Munacharla, Nandigama, Krishna Dist., and provided Boarding & Lodging Uniform free of cost and licence fee paid	1.04	Others
Jan-10	Company Contributed rural sports like Kabaddi & Cricket tournaments conducted in Budawada village	0.15	Others
Jan-10	Annadhanam, Blood donation camp & Distribution of cloths to poor people - Program organised by Netaji Yuvajana Sangha, Ramapuram	0.05	Others
Dec-09	3632 saplings planted in Budawada as part of green belt development	10.89	Environment
Dec-09	Provided 5000 saplings of fruit bearing trees - a green drive taken up by thee APPCB regional office, Vijayawada	20	Environment
Dec-09	Donated Green Tree - NGO for development of Greenery in and around Budawada village	0.3	Environment
Nov-09	Donated to A.P.Chief minister 's Relief Fund for providing assistance to flood affected victims of river Krishna at Hyderabad.	150	Environment

Nov-09	Donation to Govu samrakshana Samiti( an NGO for development and welfare of Cows in villages , Jaggayyapet	0.5	Community
Nov-09	Trained Villagers in animal care & conducted animal husbandry classes and to implement artificial insemination cross breed up-gradation in CRDP, Budawada		
Oct-09	Donated Material for the Revenue Employees Welfare Association for Construction of building in Jaggayyapet	2.25	Others
Oct-09	Fishing nets to fishermen of Muktyala village due to floods in the River Krishna in the Month of Oct 2009,	2.05	Environment
Oct-09	Uniforms provided to 880 school children of Budawada Village	1.1	Education
Mar-09	Donation for renovation of SriRam Temple & Ramanavami Celebration in Ramapuram	0.2	Community
	Local villagers encouraged & provided for doing certain project construction jobs like civil works, running of canteen, establishment of Grocery shops & provissional shops in town ship, camp & plant area.		Employment
	Indirect Employment provided to local villages youth		Employment
	Employment provided to exland holders		Employment
2009 to 2014	Provided drinking water supply daily for Budawada villagers through Water Tankers	15	Community
	Providing unconsumed food items from Mess for cattles of Budawada villagers daily		Others
	Providing Education facility for surrounding villagers through School constructed in Township - Started in June 2013(Total Investment 4.6 Crore)	400	Education
	Construction of 28 beded hospital in Township - Work in progress, which will be opened to local villagers with free medical treatment & medicines (Total Investment 2.1 Crore)	178.9	Health
	Providing fire services to Budawada villager		Others
	Providing ambulance facility with free of cost to Budawada villagers in case of emergencies		Health

	Construction of cement roads from Budawada to Ramapuram area, for easy movement of villagers - work already started 70 % completed (Total Investment 2.5 Crore)	150	Social Commitment
	Total	1206.434	

## Environmental Statement for the financial year, 2014-2015



### Budawada Limestone Mines

(A Unit of Jaypee Cement Corporation limited)

### Environment Statement of Year 2014-2015



### Budawada Limestone Mines

(A Unit of Jaypee Cement Corporation limited)

### Environment Statement of Year 2014-2015

#### FORM - V

Environmental Statement for the financial year ending with 31st March 2015.

#### PART - A

1. Name & address of the owner/ occupier of the industry, operation or process :	Shri.Naveen Kumar Singh (Director) Jaypee Budawada Limestone Mines -Jaypee Balaji Cement Plant (A Unit of Jaypee Cement Corporation Limited) Survey No.99, Budawada, Jaggayapet Mandal, Krishna Dist (AP)-521 175
2. Industry category Primary (STC Code), Secondary (STC Code) :	--
3. Production Capacity- Units :	3.47 MTPA Limestone
4. Year of establishment :	2012
5. Date of last environmental Statement :	27.09.2014

#### PART - B

1 Water Consumption m <sup>3</sup> /day process			
Cooling (Workshop)		40 m <sup>3</sup> /day	
Domestic		10 m <sup>3</sup> /day	
Name of Products		Water consumption per unit of products	
		During the previous financial year	During the current financial year
1	Limestone	0.010 m <sup>3</sup> /MT of Limestone	0.077 m <sup>3</sup> /MT of Limestone
2 Raw Material Consumption			
		Consumption of Raw Material Per unit of output	
Name of Raw Materials	Name of Products	During the previous financial year (1)	During the current financial year (2)
-NA-			

#### 3. Limestone Production:

During the previous financial year	During the current financial year
2430085 MT	2356777 MT

#### PART - C

#### Pollution Generated (Parameters as specified in the consent issued)

	Pollutants	Quantity of pollution generated	Percentage of variation from prescribed standards with reasons.
a.	Water	Zero Water Discharge	---
b.	Air	Annexure I	





## Budawada Limestone Mines

(A Unit of Jaypee Cement Corporation limited)

### Environment Statement of Year 2014-2015

#### PART - D

[as specified under Hazardous Wastes (Management & Handling) Rules, 1989]

	Hazardous Wastes Total Quantity	During the previous financial year	During the current financial year
a From process	Used oil generated, 5310 Ltrs	Used oil generated, 17080 Ltrs	Used oil generated, 5310 Ltrs
b From pollution control facility	NA	NA	NA

#### PART - E

##### Solid Wastes

	Total Quantity (Tonnes)	During the previous financial year	During the current financial year
a From process	Nil	Nil	Nil
b From pollution control facility	NA	NA	NA
c Quantity recycled or reutilized.	Nil	Nil	Nil



## Budawada Limestone Mines

(A Unit of Jaypee Cement Corporation limited)

### Environment Statement of Year 2014-2015

#### PART - F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous Waste		
	Quantity (KL)	Mode of Disposal
Used oil	5.31	Sold out to authorized recyclers. M/S Pydimamba Lubricans, Peddapuram.
Solid Waste		
	Quantity (Tonnes)	Mode of Disposal
Top Soil	Nil	NA

#### PART - G

##### Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.

- Systematic & Scientific Mining operations and use of HEMMs.
- Stationary Water sprinklers are installed on haul road to suppress dust in Haul road.
- 7.5 Mtrs width of Plantation all along the safety zone was completed. Planning for further development.
- Blast holes are initiating by short delay detonators and blasting is being done using sequential blasting machine by avoiding excessive confinement of charges. Number of blast hole per delay is being kept to the minimum. Each blast will be carefully planned, checked, executed and observed; during blasting a responsible officer will be supervising the whole operation.
- As per reviewed Conservative Plan of Forest given by Chief conservative of Forest, we have submitted 1.4 crores for Wildlife conservation plan. As per new rules, this approved RRCP cannot build in isolated location. It has to be linked with zoological areas. Deposited 1.4 Cr. towards construction and maintenance of enclosures for RRCP to Prl. Chief Conservator of Forest, Hyderabad.

## **PART – H**

### **Additional investment proposal for environmental protection including abatement of pollution.**

- Further greenery development at mines and Screening & Crushing plants by planting trees of various varieties.
- Awareness and implementation of EMS-ISO-14001 for improvement in Environment by systematic activities, audits and corrective actions.
- Planning for Installation of Stationery Water sprinklers on haul road for remaining 0.5 km to control fugitive dust.

## **The Environment (Protection) Rules, 1986**

### **PART – I**

#### **Miscellaneous**

#### **Any other particulars in respect of environment protection and abatement of pollution**

- Low noise design- reduced noise by adoption of electronically controlled variable fan drive, large hybrid fan and low noise muffler.
- Overloading is being strictly avoided by loading the Dumpers as per their actual load carrying capacity.
- The drilling process has the latest dust control system built-in equipments.