

MOEF COMPLIANCE REPORT (NOV-2016)

Name & Location of the Project	: Expansion of Integrated Cement Project – Clinker (2.0 to 6.0 MTPA), Cement (3.25 MTPA to 8.0 MTPA) Captive Power Plant (40.0MW to 80 MW), DG Set (2.0MW to 7.0 MW) & WHRB (2X9 MW), At Villages: Sangaria, Borakheri, Peerkhera and Rasulpura ,Tehsil: Nimbahera, District: Chittorgarh (Raj.)– 312 601 by M/s. Wonder Cement Limited.
Environmental Clearance Letter No.	: MoEF File No. J-11011/298/2012-IA-II (I) Dated: 21/02/2014
Period of the Compliance Report	: Apr-16 to Sept-16

Point wise reply of the Environmental Clearance Letter No.: MoEF File No. J-11011/298/2012-IA-II (I) Dated: 21/02/2014 by M/s. Wonder Cement Limited as below:

A. Specific Conditions																											
S. No.	Conditions	Reply																									
i	Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. After expansion, limit of PM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill/ kiln and bag filters to coal mill and cement mill. Low NOx burners should be provided to control NOx emissions. Regular calibration of the instruments must be ensured.	Continuous Stack emission monitoring system has been installed & Air pollution control system installed at main sources of air pollution at following locations for Our New Cement Plant L-II. Stack emission monitoring values of period Apr-16 to Sept-16 are mention below table no. 1.1. <p style="text-align: center;"><u>Table No. 1.1</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #FFA500;"> <th style="text-align: center;">Location</th> <th style="text-align: center;">Type of A PCD</th> <th style="text-align: center;">Stack height (In Mtr)</th> <th style="text-align: center;">Monitored P M Values Range (in mg/Nm³)</th> </tr> </thead> <tbody> <tr> <td style="background-color: #FFA500;">Raw Mill & Kiln L-II</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">168.0</td> <td style="text-align: center;">13.94-22.16</td> </tr> <tr> <td style="background-color: #FFA500;">Coal Mill L-II</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">78.0</td> <td style="text-align: center;">17.90-25.40</td> </tr> <tr> <td style="background-color: #FFA500;">Clinker Cooler L-II</td> <td style="text-align: center;">ESP</td> <td style="text-align: center;">59.6</td> <td style="text-align: center;">13.23-20.78</td> </tr> <tr> <td style="background-color: #FFA500;">Cement Mill-3</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">55.0</td> <td style="text-align: center;">13.61-22.63</td> </tr> <tr> <td style="background-color: #FFA500;">Cement Mill-4</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">55.0</td> <td style="text-align: center;">15.50-22.40</td> </tr> </tbody> </table>		Location	Type of A PCD	Stack height (In Mtr)	Monitored P M Values Range (in mg/Nm ³)	Raw Mill & Kiln L-II	Bag House	168.0	13.94-22.16	Coal Mill L-II	Bag House	78.0	17.90-25.40	Clinker Cooler L-II	ESP	59.6	13.23-20.78	Cement Mill-3	Bag House	55.0	13.61-22.63	Cement Mill-4	Bag House	55.0	15.50-22.40
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		Third party monitoring results of last six months are enclosed as Annexure-1 . Continuous monitoring system has been installed & Real time Data has been connected to CPCB & RPCB Server.																									

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ii	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility report shall be prepared and submitted to the Ministry and its Regional Office at Lucknow within 3 months from the date of issue of the letter.	Complied, WHRB system of L-I (9MW) & L-II (9MW) has been commissioned & Production start from 14 -10-2016 .																														
iii	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R.No. 826 (E) dated 16th November, 2009 shall be followed.	<p>Complied, Our New project is Brown field project.so we have already established four AAMS at periphery of the plant and In house Lab ambient air quality monitoring data range of period Apr-16 to Sept-16 of mention in below table no 2.1.</p> <p style="text-align: center;"><u>Table No. 2.1</u></p> <table border="1" data-bbox="767 837 1417 1312"> <thead> <tr> <th>Location</th> <th>SPM ($\mu\text{g}/\text{m}^3$)</th> <th>PM-10 ($\mu\text{g}/\text{m}^3$)</th> <th>PM-2.5 ($\mu\text{g}/\text{m}^3$)</th> <th>SO₂ ($\mu\text{g}/\text{m}^3$)</th> <th>NO_x ($\mu\text{g}/\text{m}^3$)</th> </tr> </thead> <tbody> <tr> <td>WCL Main Gate</td> <td>215-455</td> <td>38.8-69.8</td> <td>20.40-39.80</td> <td>16.02-19.50</td> <td>14.20-35.42</td> </tr> <tr> <td>Near WCL Mine office</td> <td>260-492</td> <td>47.2-74.6</td> <td>27.20-44.50</td> <td>18.20-20.20</td> <td>16.30-31.20</td> </tr> <tr> <td>BW-Near Power Grid</td> <td>285-460</td> <td>48.4-70.9</td> <td>23.50-40.20</td> <td>17.52-22.50</td> <td>17.80-30.40</td> </tr> <tr> <td>WCL-Staff Colony Area</td> <td>192-422</td> <td>40.7-68.8</td> <td>20.40-38.10</td> <td>14.62-19.40</td> <td>15.40-28.60</td> </tr> </tbody> </table> <p>We are carried out Third party monitoring Approved by NABET/QCI/MoEF, NABL, NSIC on quarterly basis for Core & Buffer zone. The results of last Six months are enclosed as Annexure-2. We have also installed Two Continuous Online Ambient Air Quality monitoring system installed at Up & Down wind direction of plant & Real time Data has been connected to CPCB & RPCB Server .</p>	Location	SPM ($\mu\text{g}/\text{m}^3$)	PM-10 ($\mu\text{g}/\text{m}^3$)	PM-2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	WCL Main Gate	215-455	38.8-69.8	20.40-39.80	16.02-19.50	14.20-35.42	Near WCL Mine office	260-492	47.2-74.6	27.20-44.50	18.20-20.20	16.30-31.20	BW-Near Power Grid	285-460	48.4-70.9	23.50-40.20	17.52-22.50	17.80-30.40	WCL-Staff Colony Area	192-422	40.7-68.8	20.40-38.10	14.62-19.40	15.40-28.60
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iv	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.	Complying with																														
v	Arsenic and Mercury shall be monitored in emissions, ambient air and water.	Complied, Arsenic & Mercury analysis are carried out on quarterly basis in ambient air & Water. Soil analysis is carried out on yearly basis. Results are enclosed as Annexure -3 .																														

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VI	The coal yard shall be lined and covered.	Complying																
Vii	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.	Noted & Complying, We have been taken all precautions to reduce impact of transport of raw material etc. Fly ash is transported in closed container; provide paved roads & regular sprinkling of water on roads. There are separate parking areas for trucks with green belt on the periphery and presently we start rail transport for reduce the road transport.																
viii	Total fresh water requirement after the proposed expansion of the cement and Captive power plant shall not exceed 6244 m ³ /day which will be sourced from the Ground Water, Mine sump and Ghambiri reservoir. A five year water management plan should be made so as to achieve reduction in ground water withdrawal.	<p>Complied, Average Water consumption of Cement Plant L-I , L-II, colony & LS Mine for period Apr-16 to Sept-16 is 2090.03 KLD with against to 2470 KLD ground Water abstraction permission. Month wise Water consumption of above period are mentioned in below table No. 3.1.</p> <p style="text-align: center;"><u>Table No. 3.1</u></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Month</th> <th style="text-align: center;">Water Consumption in KL</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Apr-16</td> <td style="text-align: center;">70545</td> </tr> <tr> <td style="text-align: center;">May-16</td> <td style="text-align: center;">71405</td> </tr> <tr> <td style="text-align: center;">Jun-16</td> <td style="text-align: center;">63173</td> </tr> <tr> <td style="text-align: center;">Jul-16</td> <td style="text-align: center;">52659</td> </tr> <tr> <td style="text-align: center;">Aug-16</td> <td style="text-align: center;">53936</td> </tr> <tr> <td style="text-align: center;">Sept-16</td> <td style="text-align: center;">70757</td> </tr> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">382475</td> </tr> </tbody> </table> <p>Renewal of Ground water abstraction permission has already been obtained from CGWA New Delhi, vide Letter no. 21-4(212)/WR/CGWA/2007-869 Dated: 29th May, 2015.</p> <p>Permission of Mining intersection of water table gas been granted from the Central Water Authority New Delhi Vide letter no.21-4(212)/WR/CGWA/2007-1570 Dated 9th Oct. 2015.</p>	Month	Water Consumption in KL	Apr-16	70545	May-16	71405	Jun-16	63173	Jul-16	52659	Aug-16	53936	Sept-16	70757	Total	382475
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ix	Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated waste water shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and 'zero' discharge should be adopted.	Noted & Complying, The plant is running on zero discharge bases and there is no discharge of waste water outside the plant premises. The treated waste water is being 100% utilized for Power generation and dust suppression purpose.															
x	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	<p>Complying with, Detailed scheme of suitable conservation measures has been submitted to CGWB and work has been carried out accordingly i.e. preservation of rain water inside mines pit, roof top rain water harvesting ,recharging by using old abandoned open wells & injection wells.</p> <p>Details of developed rain water harvesting system mention below table no 4.1.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Type of RWHS</th> <th style="text-align: center;">Nos. of Developed RWHS System</th> <th style="text-align: center;">Dimension of Filter (L X W X H in meter)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Reservoir</td> <td style="text-align: center;">01</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">Open Well</td> <td style="text-align: center;">04</td> <td style="text-align: center;">2 x 1 x 1</td> </tr> <tr> <td style="text-align: center;">Bore Well</td> <td style="text-align: center;">03</td> <td style="text-align: center;">2 x 1 x 1</td> </tr> <tr> <td style="text-align: center;">Roof Top</td> <td style="text-align: center;">01</td> <td style="text-align: center;">2 x 1 x 1</td> </tr> </tbody> </table> <p>Total 06 Nos. new Rain Water Harvesting structures are under process.</p>	Type of RWHS	Nos. of Developed RWHS System	Dimension of Filter (L X W X H in meter)	Reservoir	01	-	Open Well	04	2 x 1 x 1	Bore Well	03	2 x 1 x 1	Roof Top	01	2 x 1 x 1
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<p>xi</p>	<p>Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the State Pollution Control Board or prescribed under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Lucknow, SPCB and CPCB.</p>	<p>Complying with, Waste water generated from the Existing plant & power plant is being treated, recycled and reused in the Power generation. 'Zero' discharge has been strictly maintained and no effluent is discharged outside the premises. STP & ETP Treated waste water analysis data of last six months (Apr-16 to Sept-16) in mentioned below table no. 5.1.</p> <p style="text-align: center;">Table No.5.1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4a460;"> <th style="text-align: left;">parameters</th> <th style="text-align: center;">Permissible limit from RPCB</th> <th style="text-align: center;">Concentration at STP outlet</th> <th style="text-align: center;">Concentration at ETP outlet</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td style="text-align: center;">5.5 - 9.0</td> <td style="text-align: center;">7.85-8.10</td> <td style="text-align: center;">6.54-6.85</td> </tr> <tr> <td>Suspended Solids</td> <td style="text-align: center;">Max. 100 mg/l</td> <td style="text-align: center;">0.40-1.00</td> <td style="text-align: center;">0.01-0.85</td> </tr> <tr> <td>Oil & Grease</td> <td style="text-align: center;">Max. 10 mg/l</td> <td style="text-align: center;">Trace</td> <td style="text-align: center;">Trace</td> </tr> <tr> <td>B.O.D 27oC, 3 days</td> <td style="text-align: center;">Max. 30 mg/l</td> <td style="text-align: center;">2.40-8.00</td> <td style="text-align: center;">4.0-8.0</td> </tr> <tr> <td>C.O.D.</td> <td style="text-align: center;">Max. 250 mg/l</td> <td style="text-align: center;">7.60-24.80</td> <td style="text-align: center;">8.0-14.0</td> </tr> <tr> <td>Ammonical Nitrogen (as N)</td> <td style="text-align: center;">Max.50 mg/l</td> <td style="text-align: center;">3.4-5.70</td> <td style="text-align: center;">Not Applicable</td> </tr> <tr> <td>Nitrate Nitrogen</td> <td style="text-align: center;">Max.10 mg/l</td> <td style="text-align: center;">3.80-5.80</td> <td style="text-align: center;">Not Applicable</td> </tr> <tr> <td>Chlorides</td> <td style="text-align: center;">Max.1000 mg/l</td> <td style="text-align: center;">135-205</td> <td style="text-align: center;">Not Applicable</td> </tr> <tr> <td>Sulphates</td> <td style="text-align: center;">Max.1000 mg/l</td> <td style="text-align: center;">108-186</td> <td style="text-align: center;">Not Applicable</td> </tr> <tr> <td>Copper (as Cu)</td> <td style="text-align: center;">Not to exceed 1.0 mg/l</td> <td style="text-align: center;">Not Applicable</td> <td style="text-align: center;">Trace</td> </tr> <tr> <td>Iron (as Fe)</td> <td style="text-align: center;">Not to exceed 1.0 mg/l</td> <td style="text-align: center;">Not Applicable</td> <td style="text-align: center;">0.01- 0.03</td> </tr> </tbody> </table> <p>Third party monitoring results of last six months are enclosed as Annexure-4.</p>	parameters	Permissible limit from RPCB	Concentration at STP outlet	Concentration at ETP outlet	pH	5.5 - 9.0	7.85-8.10	6.54-6.85	Suspended Solids	Max. 100 mg/l	0.40-1.00	0.01-0.85	Oil & Grease	Max. 10 mg/l	Trace	Trace	B.O.D 27oC, 3 days	Max. 30 mg/l	2.40-8.00	4.0-8.0	C.O.D.	Max. 250 mg/l	7.60-24.80	8.0-14.0	Ammonical Nitrogen (as N)	Max.50 mg/l	3.4-5.70	Not Applicable	Nitrate Nitrogen	Max.10 mg/l	3.80-5.80	Not Applicable	Chlorides	Max.1000 mg/l	135-205	Not Applicable	Sulphates	Max.1000 mg/l	108-186	Not Applicable	Copper (as Cu)	Not to exceed 1.0 mg/l	Not Applicable	Trace	Iron (as Fe)	Not to exceed 1.0 mg/l	Not Applicable	0.01- 0.03
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<p>xii</p>	<p>All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / preprocessors only.</p>	<p>Complying with, all waste material from Pollution control devices are being 100% recycling in cement manufacturing process.</p>																																																
<p>xiii</p>	<p>All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently amended in 2003 and 2008. Efforts should be made to use fly ash maximum in making Pozzolona Portland Cement (PPC).</p>	<p>Complying With, Fly ash annual return of year 2015-16 has been submitted at your kind office, vide letter no. WCL/ENV/ARF-4/2016-17, on dated 13/04/2016. A copy is enclosed as Annexure-5.</p>																																																

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xiv	A detailed study on chemical composition of coal used particularly heavy metal and radioactive contents shall be carried out through a reputed institute and report shall be submitted to Regional Office of the Ministry at Lucknow. Only after ascertaining its radioactive level shall fly ash be supplied for utilization in cement manufacturing.	Complied, a detailed study on chemical Composition of Pet Coke particularly heavy metals & radioactive content has been analyzed from NABL Approved Lab.																																																														
xv	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	Complying with																																																														
xvi	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	Noted, We have been applied for permission of regular Co-processing of Non-Hazardous waste as Alternative fuel vide latter no. WCL/ENV/HW-01/2014-15, Dated: 21/03/15.																																																														
xvii	As proposed, green belt over 33 % of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	<p>Plantation/green belt development activities have already been started. The details of plantation are mention below table No 6.1.</p> <p style="text-align: center;">Table No.6.1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4a460;"> <th rowspan="2">Duration</th> <th colspan="3">Plant & Colony Area</th> <th colspan="3">Out Side Plant Area</th> </tr> <tr style="background-color: #f4a460;"> <th>Trees</th> <th>Shrubs</th> <th>Total</th> <th>Trees</th> <th>Shrubs</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="background-color: #f4a460;">2011-12</td> <td>618</td> <td>4573</td> <td>5191</td> <td>4581</td> <td>12877</td> <td>17458</td> </tr> <tr> <td style="background-color: #f4a460;">2012-13</td> <td>3156</td> <td>6064</td> <td>9220</td> <td>1832</td> <td>744</td> <td>2576</td> </tr> <tr> <td style="background-color: #f4a460;">2013-14</td> <td>1765</td> <td>18340</td> <td>35993</td> <td>455</td> <td>4113</td> <td>4568</td> </tr> <tr> <td style="background-color: #f4a460;">2014-15</td> <td>3524</td> <td>15926</td> <td>19450</td> <td>1329</td> <td>4103</td> <td>5432</td> </tr> <tr> <td style="background-color: #f4a460;">2015-16</td> <td>9376</td> <td>0</td> <td>9376</td> <td>0</td> <td>3000</td> <td>3000</td> </tr> <tr> <td style="background-color: #f4a460;">2016-17(up to SEP-16)</td> <td>2750</td> <td>8095</td> <td>10665</td> <td>10646</td> <td>6566</td> <td>17712</td> </tr> <tr style="background-color: #f4a460;"> <td style="background-color: #f4a460;">Total</td> <td style="background-color: #f4a460;">36897</td> <td style="background-color: #f4a460;">52998</td> <td style="background-color: #f4a460;">89895</td> <td style="background-color: #f4a460;">18843</td> <td style="background-color: #f4a460;">31403</td> <td style="background-color: #f4a460;">50246</td> </tr> </tbody> </table> <p>Planting species of Trees are Neem, Spathodia, Alstonia, Champa, Bottle Palm, Peltophoram, Fish Tail Palm, Casuriana, Harsinghar, Jangal Jalabi, Green Bamboo, Golden Bamboo etc. & Shrubs Species are Anar, kaner, Ficus panda, Mogra, amrud, Canna, Bismarkia palm, Chandani, Tecoma gaudi chaudi, Torch glory, Gultara, Tecoma capensis, Aclypha, Callindra, Thevatia, Bougainvillea, Agave, Furcaria, Euporbia mill etc.</p>	Duration	Plant & Colony Area			Out Side Plant Area			Trees	Shrubs	Total	Trees	Shrubs	Total	2011-12	618	4573	5191	4581	12877	17458	2012-13	3156	6064	9220	1832	744	2576	2013-14	1765	18340	35993	455	4113	4568	2014-15	3524	15926	19450	1329	4103	5432	2015-16	9376	0	9376	0	3000	3000	2016-17(up to SEP-16)	2750	8095	10665	10646	6566	17712	Total	36897	52998	89895	18843	31403	50246
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2013-14	1765	18340	35993	455	4113	4568																																																										
2014-15	3524	15926	19450	1329	4103	5432																																																										
2015-16	9376	0	9376	0	3000	3000																																																										
2016-17(up to SEP-16)	2750	8095	10665	10646	6566	17712																																																										
Total	36897	52998	89895	18843	31403	50246																																																										
xviii	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	Complied																																																														

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<p>xix</p>	<p>All the commitments made to the public during the Public Hearing/ Public Consultation meeting held on 13.5.2013 shall be satisfactorily implemented and a Separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Lucknow. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program shall be ensured accordingly in a time bound manner.</p>	<p>Complied, This is regular activities and carried out through well-established Corporate Social Responsibility Department. The CSR Activities expenditure of period Apr-16 to Sept-16 is mention below table no. 6.1.</p> <p style="text-align: center;">Table No. 6.1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4a460;"> <th style="text-align: left;">Sr. No.</th> <th style="text-align: left;">Particular</th> <th style="text-align: right;">CSR Expenditure (in Lakhs)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Community Infrastructure Development</td> <td style="text-align: right;">10.16</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Education Promotion</td> <td style="text-align: right;">38.23</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Health & Family Welfare</td> <td style="text-align: right;">2.69</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Natural Resources Management / Environment conservation</td> <td style="text-align: right;">94.94</td> </tr> <tr> <td style="text-align: center;">5.</td> <td>Social Welfare</td> <td style="text-align: right;">8.54</td> </tr> <tr> <td style="text-align: center;">6.</td> <td>Promotion of spiritual & social awareness</td> <td style="text-align: right;">7.54</td> </tr> <tr> <td style="text-align: center;">7.</td> <td>Women Empowerment</td> <td style="text-align: right;">4.91</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total amount spent for CSR Activities</td> <td style="text-align: right;">167.01</td> </tr> </tbody> </table>	Sr. No.	Particular	CSR Expenditure (in Lakhs)	1.	Community Infrastructure Development	10.16	2.	Education Promotion	38.23	3.	Health & Family Welfare	2.69	4.	Natural Resources Management / Environment conservation	94.94	5.	Social Welfare	8.54	6.	Promotion of spiritual & social awareness	7.54	7.	Women Empowerment	4.91	Total amount spent for CSR Activities		167.01
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<p>xx</p>	<p>Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Lucknow, SPCB and CPCB within 3 months of issue of environment clearance letter.</p>	<p>Complied, Risk and Disaster Management Plan has been prepared & Submit at Ministry's Regional Office at Lucknow, SPCB & CPCB letter vide No. WCL/ENV/CPM-L-II-02/14-15/42, 44& 45 Date; 12/04/2014.</p>																											
<p>xxi</p>	<p>To educate the workers, all the work places where dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.</p>	<p>Noted & Complying</p>																											
<p>xxii</p>	<p>Provision shall be made for the housing of construction labor within the site with all Necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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>Noted & Complying</p>																											

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B. General Conditions											
Sr.No.	Conditions	Reply									
i	The project authorities must strictly adhere to the stipulations made by the Rajasthan State Pollution Control Board and the State Government.	<p>Complying with, Consent Status of above project is mention below table no.7.1.</p> <p style="text-align: center;">Table No. 7.1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4a460;"> <th style="text-align: center;">Description</th> <th style="text-align: center;">Consent/Authorization No.</th> <th style="text-align: center;">Validity Period</th> </tr> </thead> <tbody> <tr style="background-color: #d3d3d3;"> <td style="text-align: center;">Air & Water Consent To Establish for New Cement Plant L-II</td> <td style="text-align: center;">2014- 15/ CPM / 1966 , Dated: 30.04.2014</td> <td style="text-align: center;">11/03/2014 to 28/02/2017</td> </tr> <tr> <td style="text-align: center;">Air & Water Consent To Operate for New Cement Plant L-II</td> <td style="text-align: center;">2015-16/CPM/3355 ,Dated: 18/09/2015</td> <td style="text-align: center;">18/09/2015 to 31/08/2018</td> </tr> </tbody> </table>	Description	Consent/Authorization No.	Validity Period	Air & Water Consent To Establish for New Cement Plant L-II	2014- 15/ CPM / 1966 , Dated: 30.04.2014	11/03/2014 to 28/02/2017	Air & Water Consent To Operate for New Cement Plant L-II	2015-16/CPM/3355 ,Dated: 18/09/2015	18/09/2015 to 31/08/2018
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Air & Water Consent To Operate for New Cement Plant L-II	2015-16/CPM/3355 ,Dated: 18/09/2015	18/09/2015 to 31/08/2018									
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted									
iii	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB/CPCB once in six months.	<p>Noted & Complied</p> <p>Complied, Our New project is Brown field project.so we have already established four AAMS at periphery of the plant and In house Lab ambient air quality monitoring data range of period Apr-16 to Sept-16 of mention in above table no. 2.1.</p> <p>We are carried out Third party monitoring Approved by NABET/QCI/MoEF, NABL, NSIC on quarterly basis for Core & Buffer zone; Results are above enclosed as Annexure-2.</p> <p>We have also been Two Continuous Online Ambient Air Quality monitoring system installed at Up & Down wind direction of plant & Real time Data has been connect to CPCB & RPCB Server.</p>									
iv	Industrial waste water shall be properly collected, treated so as to conform to the Standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated waste water shall be utilized for plantation purpose.	Complying with									

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<p>v</p>	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules,1989 (day time) and 75 dBA (day time) and 70 dBA (nighttime).</p>	<p>Noted & Complying</p> <p>We have been carried out all control measures for noise pollution control and carried out regular monitoring at ambient air & Work zone on monthly basis. Average data of period Apr-16 to Sept-16 are mention below table 7.1.</p> <p style="text-align: center;">Table No.7.1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4a460;"> <th style="text-align: center;">Location</th> <th style="text-align: center;">Avg. Noise level (Work Zone)</th> <th style="text-align: center;">CPCB Norms</th> </tr> </thead> <tbody> <tr> <td>Near Additive Yard L-II</td> <td style="text-align: center;">67.42</td> <td rowspan="8" style="text-align: center; vertical-align: middle;">85dB(A)</td> </tr> <tr> <td>Near Raw Mill L-II</td> <td style="text-align: center;">71.72</td> </tr> <tr> <td>Near Coal Mill L-II</td> <td style="text-align: center;">70.68</td> </tr> <tr> <td>Near Kiln L-II</td> <td style="text-align: center;">73.20</td> </tr> <tr> <td>Near Cooler L-II</td> <td style="text-align: center;">72.90</td> </tr> <tr> <td>Near Cement Mill- 3</td> <td style="text-align: center;">72.52</td> </tr> <tr> <td>Near Cement Mill- 4</td> <td style="text-align: center;">73.47</td> </tr> <tr> <td>Near Packing plant L-II</td> <td style="text-align: center;">70.08</td> </tr> </tbody> </table> <p>Third party monitoring results of above period are enclosed as Annexure-6.</p>	Location	Avg. Noise level (Work Zone)	CPCB Norms	Near Additive Yard L-II	67.42	85dB(A)	Near Raw Mill L-II	71.72	Near Coal Mill L-II	70.68	Near Kiln L-II	73.20	Near Cooler L-II	72.90	Near Cement Mill- 3	72.52	Near Cement Mill- 4	73.47	Near Packing plant L-II	70.08																																												
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<p>vi</p>	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<p>Complied, Proper housekeeping being maintained and adequate occupational health checkup Programme is carried out regularly including lung function test at our well established hospital. We are carried out Pre-placement & Periodic Medical checkup for all workers. The medical examination beneficiary (in Nos.) of period Apr-16 to Sept-16 are mention in below table no. 8.1.</p> <p style="text-align: center;">Table No. 8.1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4a460;"> <th style="text-align: center;">Parameters/ Test</th> <th style="text-align: center;">Apr- 16</th> <th style="text-align: center;">may -16</th> <th style="text-align: center;">Jun- 16</th> <th style="text-align: center;">Jul- 16</th> <th style="text-align: center;">Aug- 16</th> <th style="text-align: center;">Sept -16</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td>AUDIOMETRY</td> <td style="text-align: center;">69</td> <td style="text-align: center;">206</td> <td style="text-align: center;">137</td> <td style="text-align: center;">112</td> <td style="text-align: center;">160</td> <td style="text-align: center;">156</td> <td style="text-align: center;">840</td> </tr> <tr> <td>SPIROMETRY</td> <td style="text-align: center;">69</td> <td style="text-align: center;">206</td> <td style="text-align: center;">137</td> <td style="text-align: center;">112</td> <td style="text-align: center;">160</td> <td style="text-align: center;">156</td> <td style="text-align: center;">840</td> </tr> <tr> <td>VISION/EYE</td> <td style="text-align: center;">74</td> <td style="text-align: center;">330</td> <td style="text-align: center;">164</td> <td style="text-align: center;">141</td> <td style="text-align: center;">202</td> <td style="text-align: center;">155</td> <td style="text-align: center;">1066</td> </tr> <tr> <td>X Ray Chest</td> <td style="text-align: center;">71</td> <td style="text-align: center;">52</td> <td style="text-align: center;">60</td> <td style="text-align: center;">104</td> <td style="text-align: center;">87</td> <td style="text-align: center;">42</td> <td style="text-align: center;">416</td> </tr> <tr> <td>LAB INVESTIGATION</td> <td style="text-align: center;">74</td> <td style="text-align: center;">330</td> <td style="text-align: center;">164</td> <td style="text-align: center;">141</td> <td style="text-align: center;">202</td> <td style="text-align: center;">155</td> <td style="text-align: center;">1066</td> </tr> <tr> <td>P.M.E</td> <td style="text-align: center;">10</td> <td style="text-align: center;">180</td> <td style="text-align: center;">104</td> <td style="text-align: center;">34</td> <td style="text-align: center;">113</td> <td style="text-align: center;">111</td> <td style="text-align: center;">552</td> </tr> <tr> <td>I.M.E</td> <td style="text-align: center;">64</td> <td style="text-align: center;">150</td> <td style="text-align: center;">60</td> <td style="text-align: center;">107</td> <td style="text-align: center;">89</td> <td style="text-align: center;">44</td> <td style="text-align: center;">514</td> </tr> </tbody> </table>	Parameters/ Test	Apr- 16	may -16	Jun- 16	Jul- 16	Aug- 16	Sept -16	Total	AUDIOMETRY	69	206	137	112	160	156	840	SPIROMETRY	69	206	137	112	160	156	840	VISION/EYE	74	330	164	141	202	155	1066	X Ray Chest	71	52	60	104	87	42	416	LAB INVESTIGATION	74	330	164	141	202	155	1066	P.M.E	10	180	104	34	113	111	552	I.M.E	64	150	60	107	89	44	514
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<p>vii</p>	<p>The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.</p>	<p>Noted & Complying</p> <p>Details of developed rain water harvesting system mention above table no 4.1.</p>																																																																

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viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Noted & Complied,
ix	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Lucknow. The funds so provided shall not be diverted for any other purpose.	Complying with, Expenditure on Environment Management are being submitting on yearly basis.
x	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied, EC Copy has been submitted to concern panchyat, Zila Prishad, Municipal Corporation.

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<p>xi</p>	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Lucknow. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>Complying with, Environment Monitoring data displayed continuously at main gate of factory.</p>
<p>xii</p>	<p>The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow / CPCB / SPCB shall monitor the stipulated conditions.</p>	<p>Complying with</p>
<p>xiii</p>	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the</p>	<p>Complied, we have been submitted of Existing plant, Mines, CTPP & STP Environment Statement report of year 2015-16 submitted on dated</p>

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	project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules,1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Lucknow by e-mail.	26.09.2016 . A copy is enclosed as Annexure-7.
xiv	The Project Proponent shall inform the public that the project has been accorded Environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Lucknow.	Complied, EC public notice has been published on dated 25.2.2014 in Danik Bhasker & Rajasthan Patrika. Copy has been send to MOEF RO Office Lucknow vide letter no. WCL/ENV/CPM-L-II-01/2013-14/697-700, dated on 04/03/2014.
xv	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted

Pradeep Kumar Jain
HOD (QC & ENV)