

The Regional Director

Ministry of Environment & Forest

Regional Office(WZ)

Kendriya Parayavaran Bhawan,

E-5,Arera Colony,Link Road No-5,

Ravi Shanker Nagar,Bhopal (M.P.) 462010

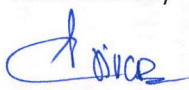
Subject: Six monthly compliance report of Expansion Jaypee Sidhi Cement Plant of M/S Jaiprakash Associates Limited for the Environmental Clearance granted by Ministry of Environment & Forest Vide letter No.- J-110011/546/2010-IA II(I) dated 08.11.2011.

Dear Sir,

1. We have been granted Environmental Clearance (EC) vide your above referred letter, dated 09.08.2007.
2. In compliance to clause XIV of General conditions, Six monthly compliance report for the period, **October, 2012 to March, 2013** to the conditions specified in the Environmental Clearance , is hereby submitted for your kind information please.

Thanking you

Yours faithfully



(S.C.Srivastava)

Sr. Vice President (Technical)

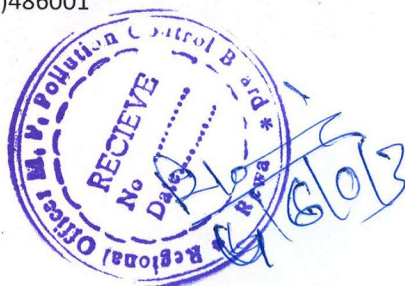
Jaypee Sidhi Cement Plant

(A Unit of Jaiprakash Associates Ltd)

Encl- As above **JAYPEE SIDHI CEMENT PLANT**
(A Unit of Jaiprakash Associates Ltd.)

Copy to : **Jaypee Vihar, Distt. Sidhi (M.P.)**
Phones-07802-276703,276704

1. The Zonal Officer, Central Pollution Control Board, Illrd floor, Shakar Bhawan, North T.T. Nagar, Bhopal(M.P.)462003
2. The Member Secretary, Parayavaran Bhawan , M.P. Pollution Control Board ,E-5, Arera Colony, Bhopal (M.P.)462016
3. The Regional Officer, M.P. Pollution Control Board, MIG-190/191,Nehru Nagar, Rewa(M.P.)486001



Status of Compliance to the conditions stipulated in the Environmental Clearance granted by MoEF vide letter No-J-110011/546/2010-IA II (I) dated 08.11.2011 for Jaypee Sidhi Cement Plant(A Unit of Jaiprakash Associates Ltd.) for Expansion of Cement Plant from 2.00 MTPA to 3.50 MTPA at Village Majhigawan, Tehsil Rampur Naikin , Sidhi (M.P.)



Period: October, 2012 -March, 2013)

Jaypee Sidhi Cement Plant




(A Unit of Jaiprakash Associates Ltd.)




Bhagwar, Sidhi – 486776 (M.P)






JAYPEE SIDHI CEMENT PLANT










Status of Compliance(Period: October 2012 -March, 2013) to the conditions stipulated in the Environmental Clearance granted by MoEF vide letter No-J-110011/546/2010-IA II (I) dated 08.11.2011 for Jaypee Sidhi Cement Plant(A Unit of Jaiprakash Associates Ltd.) for Expansion of Cement Plant from 2.00 MTPA to 3.50 MTPA at Village Majhigawan, Tehsil Rampur Naikin , Sidhi (M.P.)



1. Specific Conditions

No.	Conditions	Status of compliance
i	Continuous stack monitoring facilities to monitor gaseous emissions from all the 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, cement mill.	<p>The gaseous and particulate matter emissions from various stacks are kept under limit of 50 mg/Nm³. Continuous on-line monitor for particulate emission is under installation and Interlocking facility is provided to all the air pollution control equipment . ESP installed at clinker cooler, Bag house is installed at Raw Mill & Kiln, Bag house to coal mill & cement mill.</p> <p>APCDs photographs with monitoring facilities both online & manually are enclosed as.</p> <p>Annexure-I.</p>  <p>Photograph of Stations.docx</p>
ii	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed. Arsenic monitoring in RSPM shall be done.	<p>Arsenic monitoring in RSPM is already done by approved NABL Third party AAQ Monitoring was done as per National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November 2009, & with third. Party Monitoring report is enclosed as</p> <p>Annexure-II.</p>  <p>Six monthly AIR Ambient DATA.xlsx</p>  <p>Arsenic Test Report.jpg</p>

iii	<p>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.</p>	<p>Secondary fugitive emissions are controlled as per CPCB guidelines. Find the enclosed compliance report of CPCB fugitive emissions guidelines as Annexure-III.</p>  <p>Cement Plant Guideline for fugitive E</p>
iv	<p>Efforts shall be made to mitigate 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.</p>	<p>All Raw materials and fly ash is transported in the closed containers and is not overloaded. Vehicular emission is monitored regularly.</p> <ul style="list-style-type: none"> • Photographs of all covered storage raw materials and end products are attached as Annexure-IV. • Photographs of transportation of raw materials including fly ash, raw coal, clinker & cement are attached. Annexure-V.  <p>Transportation of raw materials .docx</p>
v	<p>Total water requirement for proposed expansion shall not exceed 2, 400 m³/day. All treated wastewater 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 wastewater shall be discharged outside the factory premises and zero discharge should be adopted.</p>	<p>Water requirement is under 2400 m³/day. Zero discharge status is maintained.. All treated wastewater is recycled and reused in the process and for dust suppression and green belt development.</p> <ul style="list-style-type: none"> • Water Balance is attached Annexure-VI.  <p>WATER BALANCE.docx</p>




vi	<p>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>	<p>Rain water harvested has been taken up and water so harvested is stored in a water reservoir of adequate size. Roof top rain water harvesting is implemented.</p> <ul style="list-style-type: none"> • Rain water harvesting report is attached. Annexure-VII. <div style="text-align: center;">  Sidhi RWH Report.doc </div>
vii	<p>Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leach-ate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhopal, SPCB and CPCB.</p>	<p>The following water quality monitoring carried out regularly ;</p> <ul style="list-style-type: none"> - Ground Water monitoring within 25 Km radius is carried out at 42 locations (Quarterly) for water level. Also 15 locations out of this are monitored for water quality in Pre & Post monsoon period. <div style="text-align: center;">  GROUND WATER.docx </div> <ul style="list-style-type: none"> - Surface water bodies Son River, Bansagar Canal & Marwha Nallha (Monthly) - (Monthly) <div style="text-align: center;">  Bansagar Canal.xlsx </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  Marwha Nallah.xlsx </div> <div style="text-align: center;">  Son River.xlsx </div> </div> <p>Reports are submitted to the Ministry's Regional Office at Bhopal, SPCB and CPCB regularly.</p> <p>The Leachate analysis is done by an expert agency and found no contamination in water.</p> <p>All reports are attached. as Annexure-VIII.</p>





<p>Viii</p>	<p>All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/ re-processors only.</p>	<p>All dust is collected from the pollution control equipment and reused in process of Cement manufacturing Used oil and batteries are sold to authorized recyclers/ re-processors only.</p>   
<p>ix</p>	<p>Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.</p>	<p>Complied and in practice efficiently.</p>
<p>x</p>	<p>An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.</p>	<p>The sources of high calorific hazardous waste are under exploration to find out the sources of waste in the vicinity of our plant .After ensuring the availability of the waste the process of co-processing will be initiated. Co-processing facilities are provided in cement Kiln .</p>   
<p>xi</p>	<p>As proposed, green belt shall be developed in at least 33% area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.</p>	<p>Green belt development work is under going in and around the cement plant as per the CPCB guidelines in consultation with Local DFO. Report is attached. As Annexure-IX</p> 
<p>xii</p>	<p>All the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for the Cement plants should be implemented.</p>	<p>Recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for the Cement plant is under implementation. Report is attached. As Annexure- X</p>  



xiii	All the commitments made to the public during the Public Hearing/ Public Consultation meeting held on 16 th March, 2011 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 Bhopal.	<p>Commitments made to the public during the Public Hearing meeting held on 16th March, 2011 have been implemented.</p>  <p>Reply for public hearing of SUN-II.doc</p>
xiv	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 Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	<p>Enterprise Social Commitment programme (CSR) is adopted in time bound manner.</p> <p>The list of CSR activities carried out till date along with the cost details are attached as Annexure-XI.</p>  <p>CSR.pptx</p>
xv	The company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standards operating process/procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions,(ii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Policy document is being submitted separately.



2. General Conditions

No.	Conditions	Status of compliance
i	The project authority shall adhere to the stipulations made by the Madhya Pradesh Pollution Control Board (MPPCB) & the State Government.	The conditions made by the Madhya Pradesh Pollution Control Board (MPPCB) & the State Government are adhered.
ii	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted and Agreed
iii	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of PM ¹⁰ , SO ₂ & NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB/CPCB once in six months.	Four ambient air quality monitoring stations has already been established in the downwind & up wind direction for monitoring of PM10, SO ₂ & NO _x . In consultation with the MPPCB. Online monitoring stations for Ambient Air quality monitoring (2 Nos.) are already been installed one in prominent upwind & another in prominent downwind direction. Online data is uplinked to CPCB server. The data is are regularly submitted to RO, SPCB,CPCB and MoEF. Reports are attached. As Annexure-XII .

		<ul style="list-style-type: none"> Photographs of continues monitoring stations. <p>Report enclosed for PM10, PM 2.5, SO_x, NO_x, CO₂</p>  <p>Six monthly AIR Ambient DATA.xlsx</p>
iv	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	No industrial waste water is being generated from cement plant and Zero discharge status is maintained.-
v	The overall noise levels in and around the plant area shall be kept well within the standards 85 dB(A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dB(A) (daytime) and 70 dB(A) (night time)	<p>Ambient noise level is kept well within prescribed limits. Acoustic hoods, silencers and other noise pollution control equipments are installed at appropriate locations. Overall noise level within the plant is kept well within 85 dB (A).</p> <p>Reports are attached.as Annexure-XIII.</p>  <p>NOISE PLANT & MINES 2012.docx</p> <ul style="list-style-type: none"> Reports are enclosed. Photographs of all acoustic hoods, silencers are enclosed  <p>Noise Control Measures.pptx</p>
vi	Proper housekeeping & adequate occupational health programmes shall be taken up. Occupational Health Surveillance Program shall be done on a regular basis and record maintained properly for at least 30 - 40 years.	<p>Housekeeping & adequate occupational health programmers are taken up as per details attached.</p> <ul style="list-style-type: none"> Program on OHP taken up so far.

	The programme shall include lung function and sputum analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	 OHP.pptx
vii	The company shall under take eco-development measures including community welfare measures in the project area.	<p>The Eco development measures and community measures taken up are attached Report is attached, as Annexure-XIV.</p>  Community development.docx
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP and public hearing reports.	All the environmental protection measures and safeguards recommended in the EIA / EMP and public hearing reports are complied with.
ix	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	<p>Environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions has already been set up under the control of Unit Head.</p> <ul style="list-style-type: none"> • Organo-gram & Photographs of the lab are enclosed. is attached Annexure-XV.  Environment Presentation.pptx <ul style="list-style-type: none"> • List of equipments & details of the monitoring facilities.  Env Equipments list.doc
x	Adequate funds shall be allocated to implement the condition stipulated by the Ministry of Environment and Forests as well the State Government. Time bound	Noted and Agreed

	implementation schedule for implementing all the conditions stipulated here in shall be submitted. The funds so provided shall not be diverted for any other purpose.	
xi	The Regional Office of this Ministry / CPCB/MPPCB shall monitor the stipulated conditions. The project authorities shall be extending full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/ information / monitoring reports. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly	Noted and Agreed. Six monthly compliance reports and the monitored data along with statistical interpretation will be submitted to Ministry / CPCB/MPPCB regularly.
xii	The Project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF , the respective Zonal Office of CPCB and the MPPCB.	Six monthly compliance report will be submitted to the respective Regional Office of MoEF , the respective Zonal Office of CPCB and the MPPCB
xiii	The 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 and Agreed
xiv	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.	Noise level shall be kept below 85 dB(A) and workers engaged in operations are provided with ear plugs/muffs Report attached as Annexure- XVI .  Noise Control Measures.pptx  NOISE PLANT & MINES 2012.docx
xv	Industrial waste water (workshop and waste water from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated	Oil and grease trap is already installed to treat workshop effluent. The treated water of workshop is used for water sprinkling for dust suppression. No other industrial waste water is generated in the cement plant.

	19 th May, 1993 and 31 th December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent.	<p>Photograph of the oil & grease trap attached as. Annexure-XVII</p>  <p>Oil & grease.docx</p>
xvi	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Personnel working in dusty areas will be provided protective respiratory devices and they will also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures.
xvii	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted and Agreed.
xviii	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 put up on the website of the Company by the proponent.	Already complied. Copy of Environment Clearance letter has already been marked to concern panchayat. Copy of the receipt is enclosed as Annexure - XVIII
xix	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within seven days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Madhya Pradesh Pollution Control Board and also at web site of the Ministry of Environment and Forests at “ http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry.	<p>Already complied. Advertisement has been published in two local newspapers i.e. Dainik jagaran & Dainik Bhaskar.</p>  <p>PUBLIC HEARING OF ADVERTISEMENT-JSCF</p>

xx	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the 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 EC conditions and shall also be sent to the respective regional office of the MoEF by e-mail.	Noted and Agreed
----	--	------------------