

COMPLIANCE OF RECOMMENDATIONS BY THE MoEF FOR EXISTING CEMENT PLANT AT DARLAGHAT AND RELATED MINING ACTIVITIES- Apr. 2017 – Sep. 2017

Sr .	STIPULATION	IMPLEMENTATIONS
2.I	All the recommendation as made in the report of the Committee of Experts, as mentioned in para 12.0 to 12.4 (Page-33-41 of the Expert Committee Report) should be implemented.	Compliance statement attached as Annexure I.
2.II	The State Government has earmarked an area of 1400 square kms in Kibbar, Lahul and Spiti District, for declaring it as a Wildlife Sanctuary. Necessary notification for this proposed wildlife sanctuary should be issued within a period of six months.	HP State Government has notified for Kibber Wildlife Sanctuary vide Notification No. FFE-B-F(6)-29/99 dated 1.11.99
2.III	An area of 20 square kms. should be added to the existing Majathal sanctuary (situated close to the mining area of the company) and necessary notification should be made in this regard within a period of six months.	Forest Department Notification Shimla-2, dated 11 th March, 2002 No.-B-F(6)23/99 – Whereas the Governor of Himachal Pradesh after due consideration of the view that areas mention in the schedule were of adequate ecological, faunal, floral, geomorphological, natural and zoological significance. Therefore, in exercise of powers vested to him under section 18(1) of Wild Life (Protection) Act, 1972, the Governor, Himachal Pradesh declared his intention to constitute the area comprising of 17.55 sq. km. (related to Survey of India, survey sheet No. 53A/15/SE on scale 1:50000) as extension to the Existing Majathal Wildlife Sanctuary notified vide Notification No. FFE-B-F (6)23/99 dated 23-10-1999.
2.IV	An inter-disciplinary committee to monitor and over-see the implementations of the recommendations of the Experts Committee should be constituted by the State Government. This monitoring Committee should consist of experts drawn from various disciplines such as forestry, environment, mining, irrigation and health etc. A representative of the	A committee has been formed by HP State government that meets to monitor the recommendations by Expert Committee.

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	Ministry of Environment and Forests, Government of India should also be associated with the Committee.	
2.V	The particulate emission from the various stacks should conform to the stipulated standards of 150milligram per cubic meter. Necessary pollution control equipment such as ESP/Bag filters should be installed.	The particulate emission is controlled through 52 nos. of B/F(s)/ 3 ESP(s) and 1 Glass Bag House in the process. The emission from different stacks maintained below the prescribed limit. Please refer Table I
2.VI	Fugitive emissions should be controlled to avoid any nuisance problems outside the plant. A green belt of adequate width and density should be provided all around the cement plant, as also in the mining areas.	Plantation all along the ML area is in progress. Plantation is in progress all along the plant boundary and colony, wherever the space is available. Please refer Table - 3 for plantation.
2.VII	Affected families should properly be rehabilitated in consultation with the State Government.	No family has been displaced at plant site. However, in the mining area, village Chakhru (Lying within safety zone) is rehabilitated at the cost of company by means of providing land and constructing houses over there.
2.VIII	Adequate number of monitoring stations should be provided (net less than 4) in consultation with the State Government for monitoring of ambient levels of particulates in the plant and mining area and data recorded. The information on stack emissions of particulate and fugitive emissions including the data of ambient air quality in the area should be furnished once in three months to the State Pollution Control Board and once in six months to the Ministry of Environment and Forests, Government of India.	a.) Ten ambient air quality monitoring stations namely Khata, Darlaghat, Bahan, Mines Dormitory, Rathoh, Mangoo, Chandi, Pacheur, Rauri and Batedh are fixed within the aerial distance of 5 kms. from plant and mines and are monitored twice in week. Pl. refer Table – 4. b.) A mobile monitoring van is also in use to check Ambient Air Quality randomly within 5 kms. Radius of plant and mines. Pl. refer Table – 7. c.) A well equipped laboratory has also been established for analysis. d.) All the monitored values of Environmental Parameters as stipulated are reported to HP SPCB on monthly basis and Half yearly to MoEF (NR).
2.IX	A baseline health survey specially for pulmonary	a.) A baseline health survey was conducted with particular reference to Pulmonary

Plantation

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	<p>functions should be done in the adjoining region of plant and mining areas and this should be followed up by periodic tests after the commissioning of the cement plant and the mining areas in order to monitor the impact of any on the health of the local inhabitants.</p>	<p>function for surrounding villagers of plant and mines and report submitted to MoEF and HP SPCB in 1995.</p> <p>b.) A follow up survey for the same was conducted in July 2000, which found no deviation in the health status of the examinees.</p> <p>c.) In addition to this, a health status survey was conducted for the bovines and caprines of this area and the same was submitted to MoEF and HP SPCB in 1996.</p>
2.X	<p>Adequate measures for the control of noise should be taken so as to keep the noise levels below 85 dB in the working environment.</p>	<p>a.) The noise level in side factory area is varying between 62dB to 85 dB in different places. However, noise level in the colony area varies in between 40 to 55 dB.</p> <p>b.) Special attention has been given to machinery selection, erection and maintenance.</p> <p>c.) In-House mechanical improvement is under continuous process to reduce the noise level further.</p> <p>Please refer Table - V</p>
3.	<p>The conditions stipulated may be varied or new conditions may be added or the clearance revoked, if necessary in the interest of environmental protection and if there is any change in the project profile, non-satisfactory implementation of the stipulated conditions etc.</p>	<p>a.) Additional stipulation was put by HPSPCB to install a continuous monitoring system for GBH emission in their letter for final consent to Operate for Plant in October, 1995 and the same was installed and operational since December, 1996.</p> <p>Due to some technical problems this equipment was replaced with a new emission monitor EM 919 from Baltec Systems. We have also replaced this system with new emission monitor i.e. (ABB) Durag DR 290.</p> <p>b.) Online stack emission monitoring equipments have been installed at Clinker Cooler ESP, Cement Mill ESP 1 & 2, Coal Mill Bag Filter and Cement Mill-3 Bag Filter sections.</p>

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		 <p align="center">CEM at GBH stack</p>
4.	<p>The stipulations will be implemented, among others, under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991.</p>	<p>All the applicable stipulations are complied as per the act.</p>
5.	<p>Necessary funds should be provided in the project for the implementation of the above mentioned conditions and environmental safeguards. The funds earmarked for the environmental protection measures should not be diverted for other purposes and year-wise expenditure should be reported to this Ministry.</p>	<p>a.) A total amount of Rs.62 corers had been spent for procurement, erection, commissioning of different APCE and implementing different environmental safeguards. b.) Expenditure for environmental protection and other environment related activities during the period from April 2017 – September 2017.</p> <p>Please refer Table - VI.</p>
6.	<p>An Environmental Management Cell with suitable qualified people to carryout various functions should be set up under the control of a senior executive who will report directly to the Head of the Organization to monitor the pollution levels and implement the stipulations and other co-ordinate with the inter-disciplinary committee as envisaged in condition No. IV.</p>	<p>A separate Environmental Management Division is in operation since the inception of the plant with suitable qualified personnel. The division is further strengthen by appointment of a senior executive who directly reports to Unit Head.</p>