JAYPEE REWA PLANT



Date: 15/11/2024

JRP/Env./2024-25

The Director, Ministry of Environment, Forest & Climate Change Govt. of India, Kendriya Paryavaran Bhawan Link Road No. 3, E-5 Ravi Shankar Nagar Bhopal – 462016 (MP)

Sub: Submission of Half Yearly Environmental Clearance Compliance Report for the Period April'2024 – September'2024 of M/s Jaiprakash Associates Ltd

Dear Sir,

Please find enclosed herewith the Half Yearly Environmental Clearance Compliance report, in hard and soft copy, of below mentioned plant & mines of M/s Jaiprakash Associates Ltd.:

- Jaypee Rewa Plant: EC Reference No. J-11011/79/2003-IA-II (I) Dated April 21, 2004.
- Naubasta Lime Stone Mine (ML area 460.310 ha): EC Reference No. J-11016/202/2003-IA-II (M) Dated 6th Jan 2005.
- North North Naubasta Lime Stone Mine (ML area 171.362 ha): EC Reference No. J11015/423/2005-IA-II (M) dated 18th May 2006.
- Bankuiyan Lime Stone Mine (ML area-533.939 ha): EC Reference No.: J-11016/202/2003 IA.II (M) dated 6th January, 2005.

Thanking You

Yours Faithfully For Jaiprakash Associates Limited



(Authorized Signatory)

CC to:

Zonal Officer - For information please.
 Central Pollution Control Board
 Shankar Bhawan, 3rd Floor, North T.T Nagar,
 Bhopal – (M.P.) 462016

For information please.

- 2) Member Secretary Madhya Pradesh Pollution Control Board Paryavaran Parisar, E – 5, Arera Colony, Bhopal (M.P.) 462016
- 3) Regional Officer For information please.
 Madhya Pradesh Pollution Control Board, Rewa
 HIG 190 191 Nehru Nagar Rewa (M.P.) 486001





 Works
 P.O. Jaypee Nagar, Distt. Rewa 486450 (M.P) Ph.: +91 (7662) 400700, 229601-09 Fax : +91 (7662) 229218

 Corp. & Regd. Office: Sector - 128, Noida - 201 304, Uttar Pradesh (India) Ph.: +91 (120) 4609000, 2470800 Fax: +91 (120) 4609464, 4609496

 Website : www.jalindia.com
 CIN : L14106UP1995PLC019017

<u>Name of the Project:</u> Jaypee Rewa Plant, Unit of M/s Jaiprakash Associates Limited for expansion of cement production from 2.5 MTPA to 3.5 MTPA at Jaypee Nagar, District Rewa, Madhya Pradesh

Project Code:

Clearance Letter no. : MoEF Vide Letter no. J-11011/79/2003-IA-II (I) dated April 21, 2004

Period of Compliance Report: April'2024 – September'2024

A. <u>Specific Conditions</u>

S. No.	Conditions		Status			
	The gaseous & particulate emissions from various	Particu	alate matter emissions	from v	arious	process
	processes units shall conform to the Standards	units c	units conform to the standard prescribed by the			
	prescribed by the State Pollution Control Board.	MPPC	MPPCB. Monitoring data is as under for the			
	The company shall make efforts to restrict the	period April'2024 – September'2024				
	particulate emissions to as low as possible and at no time the particulate emission from the stacks shall	Locat	ion	Min	Max	Avg.
	exceed 100 mg/Nm ³ . The company shall also take	Raw M	ill1 + Kiln 1 (U-I) B/H	23.1	23.5	23.3
	appropriate additional measures to improve the	Raw M	ill2 + Kiln 2 (U-II) B/H	25.3	25.3	25.3
1	design and operating practices of the Pollution	Cooler	-1 (U-I) ESP	24.3	27.8	26.1
	Control Equipment to achieve a load based norm of	Cooler	-2 (U-II) ESP	24.8	24.8	24.8
	227 g/Tonne of feed. Trippings in kiln ESP shall be	Coal M	ill 2 (U-II) B/H	23.3	23.3	23.3
	minimized. Interlocking facility shall be provided in	Limestone Crusher-1 B/F		26.2	27.0	26.6
	the pollution control equipment so that in the event	Limest	one Crusher-2 B/F	25.4	27.8	26.6
		Cement Mill No. 1 B/H		23.9	23.9	23.9
	of the pollution control equipment not working, the respective unit(s) will be shut down automatically.	Cemen	t Mill No. 2 B/H	24.8	24.8	24.8
	Ambient air quality including ambient noise levels	Regular monitoring of Ambient Air Quality &				ality &
	shall not exceed the standards stipulated under EPA	Stack emission is carried out and on-line report submitted to SPCB on monthly basis. Ambient Air Quality, including Ambient Noise level is within the standards prescribed under the EPA				e report
	/ by state authorities. Monitoring of ambient air					-
	quality and stack emissions shall be carried out					level is
	regularly in consultation with SPCB and report					ne EPA
	submitted to the Board quarterly & to the	State	Authorities. Six	mont	hly	average
	Ministry's Regional Office half yearly. Continuous	monito	oring report of AA	Q for	r the	period
	stack monitoring system shall be installed.	April'2	2024 – September'202	4 is giv	ven bel	ow;
		Lo		aramete		
			PM ₁₀ PM _{2.5}		NOx	CO
			ng Ramp 34.3-52.0 24.1-38 da Gate 34.3-54.5 24.6-40			
		E-State				
			athi Gate 33.9-52.5 25.4-38			
2						
		Contin	uous stack emission n	nonitor	ing sys	stem are
		installed at all the major stacks :		•••		
		Sr.	Stacks	Pa	ramet	er
		No		Mo	onitore	ed
		1	Raw Mill U-I	-	O _X & P	
		2	Raw Mill U-II		10 _x & F	M
		3	Cooler U-I	PM		
		4	Cooler U-II	PM		
		5	Coal Mill U-II	PM DM		
		6	Cement Mill –I, II	PM DM		
		7	Limestone I & II	PM		

 4 extraction system to control the fugitive dust is collected from the pollution control equipment shall be recycled back into the process. Close circuit grinding ishall be provided in all the grinding is provided in all grinding mills. All raw materials shall be in closed root sheds. Water sprinkling systems have also bene provided to major dust generating area to suppress the dust. As per Charter on Corporate responsibility for COs emission taw been industries, the company shall reduce COs emission to 0.75 Tonner/Tonne of cement production. Action plan in this regard shall be submitted to the Ministry. 4 ministry. 4 4 		The company shall install adequate dust collection	Dust collection and extraction system (72 nos.
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raw mill and vertical coal mill.			· · ·
wasie near nom chiker cooler (Unit-2)			➢ Waste heat from clinker cooler (Unit-2)

		gases is used for drying wet Flyash.
		Utilization of Polythene waste in co-
		processing in kiln as fuel. Polythene waste is co- incinerated as fuel in cement kiln in JRP
		Unit - II.
	Green belt of adequate width and density shall be	Green belt was developed all around the plant &
	provided to mitigate the effects of fugitive emission	colony. Tree plantation work is continuous & till
	all around the plant. A minimum of 25% of the area	date it covers more than 33% under green belt.
	shall be developed as green belt with local species	Plantation details with survival percentage and
5	in consultation with the DFO, and as per CPCB's	area covered as under ;
	guidelines.	Total Area (Ha.): 185.572
		Total Plantation : 157985
		Survival Rate : 85%
		Area Covered (Ha) : 65.83
	No discharge of treated effluent from utilities and	'Zero Liquid Discharge' status is maintained' as
	domestic effluent shall be done outside the premises	there is no discharge of waste water outside the
	and all the treated effluent shall utilized for green	plant premises.
6	belt development and other plant related activities.	STP with tertiary treatment system equipped with
		ozonator was installed and in operation. Treated
		water is used for green belt.
	Occupational health surveillance of the workers	Occupational health check up of workers is
7	shall be done on the regular basis and records shall	carried out on regular basis and records are being
'	be maintained as per factory acts.	maintained as per factory Acts.
	All the recommendations of the charter on	The recommendation / Action points of the
	Corporate responsibilities for Environmental	Charter on corporate responsibility for
8	protection (CREP) for the cement sector shall be	Environmental Protection (CREP) for the cement
	strictly implemented.	sector have been implemented.
	The company shall undertake the rainwater	Rainwater harvesting is carried out by
	harvesting measures to harvest rainwater for their	channelization of 6.5 Km. long garland drain &
9	own utilization & for recharging the ground water.	finally collected in four old mines pit reservoirs.
		The water collected in the mines reservoirs are
		being used in the cement plant & in CPP.
	The company shall obtain necessary permission for	NOC for drawl of ground water received from
10	drawl of ground water for township & domestic use	Central Ground Water Authority (CGWA) vide
10	in the plant from the concern state agency.	ref. no. CGWA/NOC/IND/ORIG/2021/14189
		dated 30.03.2021.
	The company shall setup a conventional type of	Online meteorological station is installed within
	permanent meteorological station within their	the complex and meteorological data are getting
11	complex, as per the suggestion of India	transmitted to CPCB website.
	Meteorological Department	

B. General Conditions

S. No.	Conditions	Status
	The project authority shall strictly adhere to the	Strictly adhering to the stipulation made by the
1	stipulation made by the Madhya Pradesh Pollution	Madhya Pradesh Pollution Control Board & the
1	Control Board & the State Govt.	State Govt.
	No further expansion or modification in the plant	Noted and agreed.
2	shall be carried out without prior approval of the	
2	Ministry of Environment & Forest.	
	At least four ambient air quality monitoring stations	Four Ambient Air Quality stations were already
	shall be established in the downward direction as	established, Ambient Air Quality monitoring is
	well as where maximum ground level concentrations	done on regular basis and data is being submitted
	of SPM, SO ₂ & NO _X are anticipated in consultation	to MoEF, CPCB & State Pollution control Board
	with the State Pollution Control Board. Data on	on monthly basis.
3	ambient air quality & stack emissions shall be	Last Six monthly reports have been submitted by
	regularly submitted to this Ministry including its	mail to MOEF regional office & CPCB Regional
	Regional Office at Bhopal & the State Pollution	offices, Bhopal vide our letter no. JRP/Env./2024-
	Control Board/Central pollution control board once	25 Date: 23 rd May 2024.
	in six months.	
	The overall noise levels in and around the plant area shall be least well within the standards (85 dPA) by	Noise level is being monitored around the plant
	shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic	and the measured values are well within the
	hoods, silencers, enclosures etc. on all sources of	prescribed limit. All the air blower / compressor fans are equipped
4	noise generation. The ambient noise levels shall	with silencer to control noise level. Low noise
-	conform to the standards prescribed under EPA	generating compressor / blower are procured.
	Rules, 1989 viz. 75 dB (A) (daytime) and 70 dB (A)	generaling compressor / blower are procured.
	(nighttime)	
	Proper housekeeping & adequate occupational health	Proper housekeeping is maintained. Mechanical
	surveillance programme shall be done on a regular	road sweeping machines have been deployed for
5	basis and record maintained. The programme shall	cleaning of internal roads. The occupational
5	include lung function and sputum analysis tests once	health check up of all employees is being done.
	in six months.	
	The company shall comply with all the	1.0
6	environmental protection measures and safeguards	
	recommended in the EIA / EMP report.	EIA / EMP report.
	A separate environmental management cell with	Environmental Management Cell, with full
7	full-fledged laboratory facilities to carry out various	fledged laboratory was setup and working.
7	management and monitoring functions should be set up under the control of Senior Executive.	Environment cell is strengthening by appointed
	The project authorities shall provide adequate funds	senior experience executive. Funds for recurring & non- recurring as per
	both recurring & non-recurring to implement the	EIA/EMP report have been earmarked for
	conditions stipulated by the Ministry of Environment	environment protection measures.
	and Forests as well as the State Government along	en normen protocion neusines.
8	with the implementation schedule for all the	
	conditions stipulated herein. The funds so provided	
	shall not be diverted for any other purpose.	
	The Regional Office of this Ministry at Bhopal /	Regularly submitting six monthly compliance
9	Central Pollution Control Board/State Pollution	report and monitored data along with statistical
	Control Board will monitor the stipulated conditions.	interpretation to the Ministry / CPCB / MPPCB.
	A six monthly compliance report and the monitored	
	data along with statistical interpretation shall be	
	submitted to them regularly.	
10	The company shall inform the public that the project	Advertised in two local newspapers i.e. The
10	has been accorded environmental clearance by the	Dainik Bhasker and The Dainik Jagaran dtd.

	Ministry and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the Ministry of Environment & Forests at http:/envfor.nic.in. This shall be advertise within seven days from the state of issue of 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.	27.04.2004 regarding the grant of Environmental Clearance by the MoEF Government of India New Delhi.
11	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. The Plant is under operation since September 2005
12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and Agreed
13	The Ministry reserve the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted and Agreed