BHILAI JAYPEE CEMENT LIMITED

Date: 29.04. 2023

Registered A/D

BJCL/Env/ECC/2023-24/02

To, The Director, Regional Office (Western Zone) **Ministry of Environment & Forests** Kendriya Paryavaran Bhawan E-5, Arera Colony, Link Road -3. Ravishankar Nagar, Bhopal (M.P)-462016

Sub: Submission of EC Compliance report for the period October -2023 to March -2024.

Ref: Environmental Clearance Letter No. J-11011/29/2008-1A-II(I) dated 21st July2009 & Amended vide MoEF letter No. J- 11011/29/2008-IA-II (I) Dated 10th September, 2015 for Clinker capacity 1.3MTPA.

Dear Sir,

As per above subjected letter we are enclosing herewith Environment Clearance Compliance report for the period of October -2023 to March - 2024 of Bhilai Jaypee Cement Ltd. & Ispat Limestone Quarry (ML-I & II) located at Village- Babupur, District- Satna (MP) for your kind information please. Note : Kindly note that Bhilai Jaypee Cement Plant and Lime stone Mines ML-I & II Operations are shut

since 09th May 2022 due to fund constraints and no production during this period.

Thanking you,

Yours faithfully For Bhilai Jaypee Cement Ltd. Babupur (Satna) MP

Blank

(S.N Singh) President (Authorized Signatory)

Cc to

- 1. The Member Secretary - For kind information pl. **Central Pollution Control Board** Parivesh Bhawan, East Arjun Nagar, Delhi – 110032
- 2. Member Secretary
- For kind information pl.
- MP Pollution Control Board , Paryavaran Pariser, E-5, Arera colony, Bhopal (MP) -462016 3. Regional Directorate - For kind information pl **Central Pollution Control Board**
- 3rd Floor, Sahkar Bhavan, North T.T Nagar, Bhopal (M.P) 462003 4. The Regional Officer - For kind information pl.
- MP Pollution Control Board, Rewa -Maihar Bi-pass Road, Dist Satna (MP)-485001

PEE

Plant : Post Babupur, Saina (M.P.) Pin - 485112 Ph. : +91 (7672) 280064, 280065, 280066 Regd. Office : Bhifai Township, Bhilai, Durg, Chattisgarh - 490 006 Head Office : 'A House', 63 Basani tok, Vasant Vihar, New Delhi - 110 057 (India) Ph. : +91 (11) 26141540, 26147411 Fax : +91 (11) 26145389, 26143591 BJCL web site: www.bjcl coin CIN : U28940CT2007EL0020250 A JV of SAIL & JAIPRAKASH ASSOCIATES LIMITED

FORMAT FOR FILLING UP COMPLIANCE REPORT

<u>Name of the Project:</u> Bhilai Jaypee Cement Limited, Babupur, Tehsil-Raghuraj Nagar, District Satna (MP)-485112

Project Code : 02MP146

<u>Clearance Letter No.:</u> - 11011/29/2008-IA-II (I) dtd. 21st July 2009 and Amended vide MoEF letter F. No. J- 11011/29/2008-IA-II (I) Dated 10th September, 2015 for Clinker Production (1.09 to 1.3 MTPA), Cement grinding (0.6 MTPA) and Limestone Mining 2.1 MTPA [ML-I: 590.52 Hact. and ML-II (1033.99Hact.) at village Babupur, Tehsil Raghurajnagar, District-Satna, Madhya Pradesh of M/s Bhilai Jaypee Cement Ltd.

Period of Compliance Report: October -2023 to March - 2024 (Cement Plant and Lime stone Mines ML-I & II were not in operation during the said period.)

Sr. No.	Details of Conditions	Status
	The Company shall comply with the conditions	All conditions stipulated in the mining plan are
	stipulated in the mining plan approval letter no.	being complied.
1.	314(3)/2008-MCCM(C)/MP-46 dated 25 th March,	
1.	2009 and 314(3)/2008-MCCM(C)/MP-47 dated	
	26 th March, 2009 issued by the Indian Bureau of	
	Mines and conditions of mining leases.	
	The gaseous and particulate matter emissions	The gaseous and particulate matter stack
	from various units shall conform to the standards	
	prescribed by the M.P. Pollution Control Board. At	monitored and found well below the limits of
	no time, particulate emissions from the cement	50 mg/Nm ³ prescribed by the MPPCB.
	plant including kiln, coal mill, cement mill and	Continuous on-line monitors for particulate
	cooler shall not exceed 50 mg/Nm ³ . Continuous	5
11	on-line monitors for particulate emissions shall be	major stacks and CEMS real time data linked
	installed. Interlocking facility shall be provided in	with CPCB website. All major pollution control
	the pollution control equipment so that in the	equipments are Interlocked with main process
	event of the pollution control equipment not	equipments. Monitoring of Stack emission was
	working, the respective unit (s) is shut down	not conducted for reporting period as Plant <u>is</u>
	automatically.	not in operation since 9 th May 2022 due to fund
		<u>constraint.</u>

A. SPECIFIC CONDITIONS

		HALF YEARLY REPOI	RT OF PART	ICULATE I	MATTER EMI	SSION FRO	M POINT S	OURCE			
				<u>ACK)</u>							
	_		d : Octobe	I: October -2023 to March - 2024							
		Unit Stack Attached With		Dust Conc. (mg/Nm ³)							
	F	PCE (Pollution Control Equipment)	Oct -23	Nov -23	Dec-23	Jan-24	Feb-24	Mar -24			
	k	(iln & Raw Mill BH	Plant	Plant	Plant	Plant	Plant	Plant			
	5	Stack	stop	stop	stop	stop	stop	stop			
		Cooler ESP Stack	Plant	Plant	Plant	Plant	Plant	Plant			
			stop	stop	stop	stop	stop	stop			
		Coal Mill BH Stack	Plant	Plant	Plant	Plant	Plant	Plant			
			stop	stop	stop	stop	stop	stop			
		imestone Crusher	Plant	Plant	Plant	Plant	Plant	Plant			
		BDC	stop	stop	stop	stop	stop	stop			
		ment Plant is not in ope						my fraitire			
		ry fugitive emissions s the prescribed limit			For contro	•		ary fugitive l extraction			
	the CPC company and ext	ed. Guidelines/Code of B in this regard shall y shall install adequa raction system to cor	be follow te dust co ntrol fugiti	ed. The ollection ve dust	efficiently at material transfer points of limestone conveyor belt, coal conveyor belt, Raw material storage hoppers and blending						
	water s installed Storage roof she to reduce roads, w coal har	as at material transfer pray system with re- in silo used for the of other raw materials ds. Covered conveyer l e fugitive emissions. Co vater sprinkling system adling area shall be e emissions.	eclaimer s e storage s shall be in belts shall oncreting c a at limesto	hall be of ash. n closed be used of all the one and	silos, Limestone crusher and Hoppers, clinke silos and coal crusher to control the dus emission during crushing and transportatio of raw materials. Water spray systems ar installed and working efficiently at Limeston crusher, belt conveyor and coal belts for controlling the dust emission. Covere						
IV	compliar including shall up simultan MoEF, th SPCB. Th	oponent shall upload nce of the stipulate g monitored data on odate the same per eously be sent to the ne respective Zonal Offi ne criteria pollutant na Dx (Ambient levels a	d EC cor their webs iodically. Regional (ce of CPCB mely; SPM	nditions, site and It shall Office of and the I, RSPM,	conditions, i uploaded in Regional offi monthly ba criteria poll NOx (Ambi	ncluding m BJCL web ice of MoE isis with utant nam ient level	onitored d osite and s F, CPCB and monitoring nely; PM ₁₀ , s as we	ipulated EC ata are being submitted to d SPCB on six g data. The PM _{2.5} , SO ₂ , II as stack splayed near			

	displayed a	or the project at the conv	al sectoral para ct shall be monitor enient location ne ny in the public do	ear the	EC compliance reports for the period April					
,	shall not ex EPA or by ambient ai regularly in air emissior MPPCB reg	xceed the si the State and r quality a consultation ns shall be si gularly. The quality more	uding ambient nois tandards stipulated uthorities. Monito nd shall be carri n with MPPCB and o ubmitted to the CF ne instruments us nitoring shall be cal	d under pring of ed out data for PCB and sed for	levels guidel AAQ submi regula air qu We ha times premis MPPC Monit perioo	oring was Las <u>Plant i</u>	Monitore PCB. The ent noise RO, MoE strument toring are ed two n onitoring data is up e. Amb not cond is not in e	ed regu monito e level F, CPCB s used e calibr os. con statio loaded ient <i>l</i> ucted f	Ilarly as po pred data of are beir and MPPC for ambien rated timel atinuous re ns in plan with CPCB Air Quali for reportir	
						2022 due to				
	CEMENT F March- 20		Q & AMBIENT NOIS	e mon					2023 to	
)24	Q & AMBIENT NOIS articulars	e mon so2					2023 to PM- 10	
	March- 20 Month)24			ITORING	RESULTS F	ROM : O	ctober - PM		
	March- 20 Month of Samplin)24	articulars	SO2 (μg/	NOX	RESULTS F Noise dB (A)	ROM : O Noise dB (A) Night	PM 2.5 (µg/	PM- 10	
	March- 20 Month of Samplin)24 Pa	articulars Place	SO2 (μg/	NOX (µg/ M ³)	RESULTS F Noise dB (A)	ROM : O Noise dB (A) Night	PM 2.5 (µg/	PM- 10	
	March- 20 Month of Samplin)24	articulars Place Near Substation	SO2 (μg/ M ³) -	NOX (µg/ M ³)	RESULTS F Noise dB (A)	ROM : O Noise dB (A) Night	PM 2.5 (µg/	PM- 10	
	March- 20 Month of Samplin)24 Pa	Articulars Place Near Substation In front of FH-2 Near Annapurna Near Scrape Yard	SO2 (μg/ M ³) -	NOX (µg/ M ³)	RESULTS F Noise dB (A)	ROM : O Noise dB (A) Night	PM 2.5 (µg/	PM- 10	
	March- 20 Month of Samplin)24 Pa	Articulars Place Near Substation In front of FH-2 Near Annapurna	SO2 (μg/ M ³) - - -	NOX (µg/ M ³)	RESULTS F Noise dB (A)	ROM : O Noise dB (A) Night	PM 2.5 (µg/	PM- 10	
	March- 20 Month of Samplin g)24 Pa Average	Articulars Place Near Substation In front of FH-2 Near Annapurna Near Scrape Yard	SO2 (μg/ M ³) - - -	NOX (µg/ M ³)	RESULTS F Noise dB (A)	ROM : O Noise dB (A) Night	PM 2.5 (µg/	PM- 10	
	March- 20 Month of Samplin g Oct-)24 Pa	Place Place Near Substation In front of FH-2 Near Annapurna Near Scrape Yard Near Substation In front of FH-2 Near Annapurna	SO2 (μg/ M ³) - - - - - -	TORING NOX (μg/ M ³) - - - - - - -	RESULTS F Noise dB (A) Day time - - - - - -	ROM : O Noise dB (A) Night Time - - - - -	ctober - PM 2.5 (μg/ M ³) - - - - - - -	PM- 10 (μg/M ³) - - - - - -	
	March- 20 Month of Samplin g Oct- 2023 to)24 Pa Average	Place Place Near Substation In front of FH-2 Near Annapurna Near Scrape Yard Near Substation In front of FH-2	SO2 (μg/ M ³) - - - - - -	TORING NOX (μg/ M ³) - - - - - - -	RESULTS F Noise dB (A) Day time - - - - - -	ROM : O Noise dB (A) Night Time - - - - -	ctober - PM 2.5 (μg/ M ³) - - - - - - -	PM- 10 (μg/M ³) - - - - - -	
	March- 20 Month of Samplin g Oct- 2023 to March -)24 Pa Average	Place Place Near Substation In front of FH-2 Near Annapurna Near Scrape Yard Near Substation In front of FH-2 Near Annapurna	SO2 (μg/ M ³) - - - - - -	TORING NOX (μg/ M ³) - - - - - - -	RESULTS F Noise dB (A) Day time - - - - - -	ROM : O Noise dB (A) Night Time - - - - -	ctober - PM 2.5 (μg/ M ³) - - - - - - -	PM- 10 (μg/M ³) - - - - - -	
	March- 20 Month of Samplin g Oct- 2023 to March -)24 Parage Average Minimum	Articulars Place Near Substation In front of FH-2 Near Annapurna Near Scrape Yard Near Substation In front of FH-2 Near Annapurna Near Scrape Yard	SO2 (μg/ M ³) - - - - - - - - - - - - - - - -	TORING NOX (μg/ M ³) - - - - - - -	RESULTS F Noise dB (A) Day time - - - - - -	ROM : O Noise dB (A) Night Time - - - - -	ctober - PM 2.5 (μg/ M ³) - - - - - - -	PM- 10 (μg/M ³) - - - - - -	
	March- 20 Month of Samplin g Oct- 2023 to March -)24 Pa Average	Articulars Place Near Substation In front of FH-2 Near Annapurna Near Scrape Yard Near Substation In front of FH-2 Near Annapurna Near Scrape Yard Near Substation	SO2 (μg/ M ³) - - - - - - - - - - - - - - - -	TORING NOX (μg/ M ³) - - - - - - -	RESULTS F Noise dB (A) Day time - - - - - -	ROM : O Noise dB (A) Night Time - - - - -	ctober - PM 2.5 (μg/ M ³) - - - - - - -	PM- 10 (μg/M ³) - - - - - -	

Da	nte	Particulars SC		SO2	NOX	Noise dB (A)	Noise dB (A)	PM 2.5	РМ 10
			Place	(µg/M ³)	(µg/M³)	Day time	Night Time	(µg/ М ³)	(µg/ М³)
			Near Magazine Khamaria village (East)	-	-	-	-	-	-
		Average	Near Mines Office Babupur (West)	-	-	-	-	-	-
			Near Camp Office (North)	-	-	-	-	-	-
			Near Weigh bridge (South)	-	-	-	-	-	-
Oct			Near Magazine Khamaria village (East)	-	-	-	-	-	-
202 Mar	3 to	Minimu m	Near Mines Office Babupur (West)	-	-	-	-	-	-
24	UII-		Near Camp Office (North)	-	-	-	-	-	-
			Near Weigh bridge (South)	-	-	-	-	-	-
			Near Magazine Khamaria village (East)	-	-	-	-	-	-
		Maximu m	Near Magazine Khamaria village (East)	-	-	-	-	-	-
			Near Mines Office Babupur (West)	-	-	-	-	-	-
			Near Camp Office (North)	-	-	-	-	-	-
tran: on	sport the	of the r	nade to reduce impact of aw materials and end prod nding environment inclu	lucts the ding pro trai on clin	equate m road ar perly m nsport of the surr ker are tr	nd restriconitored raw mateounding ansporte	ction on to red terials an environ d throug	i overic luce in nd end ment. (h Railwa	ading pact produ Coal a ay.
high and acco the	calori nece rdingl waste stry's	ific haza essary y. The co utilized	I make the efforts to utilize rdous waste in the cement provisions shall be m ompany shall keep the recon and shall submit the detai al Office at Bhopal, CPCB	kiln the nade ma rd of util Is to mir	per arran high cald terials in ized wast histry's Re CB in time	orific valu cement le e is main gional O	ue non l (iln and tained a	hazardo proper i nd subn	us wa record nitting

MINES (MI-L&II) AMBIENT AIR QUALITY & AMBIENT NOISE MONITORING DATA OF FROM

Total ground water requirement shall not exceed
1400 m³/day for plant and mines. A copy of
permission letter shall be submitted to Ministry's
Regional Office at Bhopal. The treated
wastewater from STP and utilities shall beVIIIreutilized for green belt development and other
plant related activities i.e. cooling and dust
suppression in raw material handling area etc.
after necessary treatment. 'Zero' discharge shall
be strictly adopted and no effluent from the
process shall be discharged outside the premises.

Total ground water requirement is not exceeding to the limit of 1400 m³/day for plant and mines. Permission for use of ground water has already obtained. Treated waste water from STP is being used for green belt development and also in water sprinkling and dust suppression and strictly maintaining zero discharge status.

STP Treated Waste Water Analysis Report October 2023 to March 2024 Location : Plant Area											
Parameters	, MP				N	lonth			Avg.	Min	M
(Treated Wate	r) Lin		Oct	Nov	Dec	Jan	Feb	Mar	Avg.	IVIIII	
рН	6.! 9.		7.6	7.8	7.4	7.7	7.1	8	7.6	7.1	8
Temperature (°	C) 4	0	23°C	22°C	19°C	18°C	; 19°C	28 °C	21.5°C	18°C	28
Odor	-		-	-	-	-	-	-	-	-	
BOD (mg/ltr)	1	0	6.5	6.3	6.7	6.6	8.2	7	6.9	6.3	8
COD (mg/ltr)	5	0	38.3	41.2	38.9	40.8	40.1	35.9	39.2	35.9	4
Suspended Soli (mg/ltr)	ds 2	0	13.50	14	12.5	14.0	14.0	15.0	13.8	12.5	1
Total Solids (mg/ltr)		-	2785	2295	3555	3255	3705	3608	3201	2295	37
		1		Loc		Colony	/ Area				1
Parameters	MPPC				Mon	hth			A	N/lim	
(Treated Water)	B Limit	(Oct	Nov	Dec	Jan	Feb	Mar	Avg.	Min	1
рН	6.5- 9.0		8	7.3	7.1	7.4	7.7	7.5	7.5	7.1	
Temperatur e (°C)	40	23	8.5°C	22.5°C	19.5 °С	17°C	20°C	29 °C	21.9°C	17°C	2
Odor	-		-	-	-	-	-		-	-	
BOD (mg/ltr)	10	(6.3	6.1	6.5	6.2	5.9	6.7	6.28	5.9	
COD (mg/ltr)	50	3	9.4	40.3	40.8	34.8	35.5	37.3	38.0	34.8	
Suspended Solids (mg/ltr)	20	1	6.0	16.2	15.5	17.5	17	16	16.4	15.5	
Total Solids	_	3	315	3500	400 0	3700	3600	4250	3728	3315	4

	plant, colony and mine site. Besides, company must also harvest the rainwater from the rooftops and storm water drains to recharge the ground water. The company must also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to conserve fresh water and reduce the water requirement pressure from the river. The Company shall construct the rain water harvesting and groundwater recharge structures outside the plant premises also in consultation with local Gram Panchayat and Village Heads to augment the ground water level. An action plan shall be submitted to Ministry's Regional Office at Bhopal within 3 months from date of issue of this letter.	Geosurvey Consultants, Jodhpur, and Rajasthan and for Township by M/s Hydrominviron Consultancy Pvt Ltd., Jaipur. The reports have been submitted to Regional Director, MoEF, Bhopal, CGWB, Bhopal, MPPCB and CPCB Bhopal. Based on the recommendation of the consultants, the RWH measures have been adopted at Plant, Mines and Colony. Six water recharge structures have been made at Plant and one at the colony to recharge underground water. Water reservoir has also been made in the mined out area (2 acre approx.) for RWH. The rain water thus collected in reservoir is being used for sprinkling on haul roads for dust suppression and green belt development and accordingly the fresh water is being conserved. The roof top rain water harvesting is carried out by channelizing water through pipe lines in recharging pits. The pit is further advanced by puncturing the strata for recharging of ground water as recommended. We have also made a pond outside the plant for rain water harvesting in consultation with local Gram panchayat and village heads.
x	The project proponent shall modify the mine plan of the project at the time of seeking approval for the next mining scheme from the Indian Bureau of Mines so as to reduce the area for external over burden dump by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed 28° .	The overburden will be used for back filling. The mining scheme of ML-I & II has approved vide letter dtd. 22.09.2021 and valid upto 31 March 2026 from Indian Bureau of Mines. The height of the dump will be increased to reduce the dumping area with proper terracing as per EC conditions. The overall slope of the dump will not exceed 28 ⁰ .
XI	Topsoil, if any, shall be stacked with proper slope at earmarked site(s) only with adequate measures and shall be used for reclamation and rehabilitation of mined out areas.	Topsoil being stored carefully at earmarked site and will be used for reclamation and plantation. The quantity of top soil is generated /removed is NIL in Oct -2023 to March 2023 for FY 2023-24 <u>as Mines and</u> <u>Plant was not in operation.</u>
XII	The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations. The company shall make the plan for protection of the natural water course passing through the plant and mine area premises and submit to the ministry's Regional Office at Bhopal.	No natural water course was obstructed due to mining and plant operation as no natural water course passing through the mining lease area.

XIII	The inter burden and other waste generated shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The total height of the dumps shall not exceed 30 m in three terraces of 10 m each and the overall slope of the dump shall be maintained to 28 ⁰ . The inter burden 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 and its Regional Office, Bhopal on six monthly bases.	Presently no Inter burden encountered during mining. However, at a later stage, if any inter burden is encountered, EC condition will be complied. The Overburden and other waste generated in ML-I & ML-II will be used in back filling/ stacked at earmarked dump site(s) and shall not be kept active for long period. The waste dump site(s) total height of the dump is made in 3x10 m lift each an overall slope 28°. The interactive benches will be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas will continue until the vegetation becomes self-sustaining. Compliance report is submitted to the Ministry of Environment & Forests and its Regional Office, Bhopal on six monthly basis.
xıv	The void left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation to be done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	The void left at the end of mining shall be converted into water body and plantation is done to stabilize the slopes.
xv	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted, particularly after monsoon, and maintained properly.	All garland drains are well maintained and de silted before rainy season. The collected water in sump used for water spray on haul roads and loading points for dust suppression.
xvi	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years	Garland drain of appropriate size, gradient and length is constructed all around the mine pit and sump of sufficient storage capacity made by taking all safety measures.

	data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.	Photogrph: Garland Drain of Mines (ML- I&II)
XVII	Dimension of the retaining wall at the toe of inter burden dumps and inter burden benches within the mine to check run-off and siltation shall be based on the rain fall data.	At present there is no inter burden strata within the mines, hence inter burden benches are not required within the working quarries. Toe bunds/retaining wall are constructed at the dump site to check the run-off and siltation, wherever required. The photograph of retaining wall is given below for reference pl.
XVIII	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central Ground Water Board. The frequency of monitoring shall be four times a year- pre- monsoon (April / May), monsoon (August), post- monsoon (November), and winter (January). Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bhopal, Central Ground Water Authority and Central Ground Water Board.	Photograph: Retaining wall in Mines ML-I&II The ground water monitoring is being carried out by M/s Hydrominviron Consultancy Pvt Ltd., Jaipur, through 32 dug wells located within the 10 Km buffer zone around Mines and Plant and a Pizometer is also installed in plant site for online monitoring purpose so regular monitoring of the Ground water level and quality monitoring work will be done and its report to be submitted to Regional Director, CGWB and Regional Director, MoEF and MPPCB Bhopal.
XIX	Blasting operation shall be carried out only during the daytime. Controlled blasting shall be	Controlled blasting is in practice. Blasting operation is being done only during daytime.

	practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.	•
ХХ	The project proponent shall adopt wet drilling.	All the drilling machines are fitted with wet drilling system.
XXI	As proposed, green belt shall be developed in 33 % in and around the plant as per the CPCB guidelines.	
XXII	All the recommendations of the Corporate Responsibility or Environmental Protection (CREP) for cement plant shall be strictly followed.	
Chart	er on Corporate Responsibility for Environmental Pro	otection (CREP)
Sr. No	CREP Conditions	Status of Compliance
1	Cement Plant which are not complying with notified standard, shall do the following to meet the standard : • Augmentation of existing Air Pollution Control Device -By July 2003. • Replacement of Air Pollution Control Device -by 2004	BJCL plant has been working since Jan 2010. We have adopted and installed latest air pollution control technology like Bag house, ESP & Bag filters in Cement plant and the emission level monitored are found well within the prescribe limits of 30 mg/Nm3.
2.	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm3 limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm3.	We are complying Emission standard of particulate matter of 30 mg/Nm3 as prescribed by the MPPCB.
3.	The new cement kilns to be accorded NOC/ Environmental Clearance w.e.f. 01.04.2003 will	Environment Clearance is obtained and meeting the prescribed norms 30 mg/Nm3.

	meet the limit of 50 mg/Nm3 for particulate matter emissions.	
4.	CPCB will evolve load based standards by December 2003.	Emission standard prescribe by Board being followed.
5.	CPCB and NCBM will evolve SO2 and NOx emission standards by June 2004.	SO2 and NOx emission well within the prescribe limit as per guidelines and its real time data is being uploaded in CPCB website,
6.	The Cement Industries will control fugitive emission from all the raw material and products storage and transfer points by Dec- 2003. However, the feasibility for the control of fugitive emission from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	For controlling the dust emission from cement plant, we have installed adequate capacity of bag house for Kiln & Raw mill, one Electro Static Precipitators for Clinker cooler, one bag house for coal mill and 25 Nos. Bag dust collectors in various raw material transfer points and storage silos such as raw meal, coal meal and various material transfer points, Clinker is being stored in Clinker silo(Capacity -24000 Ts) . Clinker silo also equipped with adequate capacity of bag filter to control the dust emission. Water is spraying on roads and other area for controlling the fugitive dust emission. Fugitive emission is controlled by implementing CPCB guidelines.
7.	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003.	Being followed.
8.	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operation/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003.	
9.	Tripping in kiln ESP to be minimized by July 2003 as per the recommendation of NTF.	We have installed bag house for the Kiln & Raw Mill and Coal mill. Tripping is not applicable.
10.	Industries will submit the target date to enhance the utilization of waste material by April 2003.	As, we are manufacturing clinker only therefore solid waste material such as fly ash is not generated/ consumed. We are using Pet coke as AFR in Cement Kiln.
11.	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Noted and to be followed.
	Cement industries will carry out feasibility study	Feasibility study will be carried out for co-

and submit target dates to CPCB for co- generation of power by July 2003.	generation of power.
Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	Noted. All the vehicles operating in mining area have valid PUC certificate. The vehicles are used for transportation of mineral are avoided overloading. The vehicles are maintained regularly.
Digital processing of the entire lease area using remote sensing technique shall be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhopal.	The digital processing of entire lease area using remote sensing technique has been carried out by M/s Multi Tech Services, Hyderabad which reports has been submitted to Regional office, MoEF Bhopal, Member Secretary, MPPCB, Bhopal, and Member Secretary CPCB, New Delhi, Vide our Letter No. BJCL/Env/Mines/01/ 2021-22 dtd 26.06.2021.
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.	The progressive mine closure plan along with Corpus fund of ML-I & ML-II has been submitted to IBM and Valid upto 31.03.2026.
Necessary permission and recommendation of the State Forests department shall be obtained regarding impact of the proposed cement plant and mining on the surrounding reserve and protected forests and suggested conservation plan shall be implemented.	District forest officer, Satna vide letter No. DM/955 dtd. 11.02.2009 has certified that plant complex (Area 101.71 hect.) including two Mining lease (ML-I area 590.22 hect. and ML-II area 1033.99) does not have any National Park, Wild life Sanctuaries, Biospheres reserves, wild life corridors, Tiger/Elephant reserves and migratory paths /roots within 10 KM radius.
The company shall comply with all the commitments made during public hearing on 21.12.2008	
Provision shall be made for the housing of construction labour 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	Provision was made for the housing of construction labours within the plant site with all necessary infrastructure and facilities such as fuel for cooking, toilets, Safe drinking water, medical health care facilities etc. Now, all temporary structure has removed.
	generation of power by July 2003. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. Digital processing of the entire lease area using remote sensing technique shall be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhopal. 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. Necessary permission and recommendation of the State Forests department shall be obtained regarding impact of the proposed cement plant and mining on the surrounding reserve and protected forests and suggested conservation plan shall be implemented. The company shall comply with all the commitments made during public hearing on 21.12.2008

	Details of Conditions	Status
I	The project authority shall adhere to the stipulations made by State Pollution Control Board (SPCB) and State Government.	Noted and agreed.
II	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted and agreed.
111	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 SPM, SO ₂ and 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.	Eight ambient air quality monitoring stations (4 each at Plant & Mines) have been established. Monthly and six monthly monitoring data is being submitted to all concerned authorities and also uploaded on company website. Monitoring report has been submitted regularly on monthly and six monthly to all concerned authorities.
IV	Industrial wastewater 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.	The treated waste water from STP is used for plantation purpose. However no industrial wastewater is generated from the cement plant.
v	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 dBA (day time) and 70 dBA (night time).	Noise level within the plant is maintained within the norms. Monitoring of noise level is carried out periodically as per MPPCB guidelines and reports being submitted regularly.
VI	Proper housekeeping and adequate occupational health program shall be taken up. Occupational Health Surveillance program shall be done on a regular basis and records maintained properly for at least 30-40 years. The program 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.	Good housekeeping practice has been followed. Mechanized Road sweeping machine is used for cleaning of roads in Plant area. Occupational Health Surveillance program are regularly carried out and record is maintained.
VII	The company shall undertake eco-development measures including community welfare measures in the project area.	The eco-development and community welfare measures are being taken by the company. The BJCL is committed towards the safety, health and environment of employees and public of surrounding villages. The financial assistance to nearby educational, social and religious organization is being provided. Medical facilities are extended to nearby

		villagers.
VIII	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	Yes, We are complying the environmental protection measures and safeguards as recommended in the EIA/ EMP.
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.	A separate Env. Management cell has been working with full fledged laboratory facilities to carry out various Env. Management and monitoring functions.
x	Adequate fund shall be allocated to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	A separate fund has been created for the exclusive use for the Environmental protection and Pollution control activities.
XI	The Regional Office of this Ministry / CPCB / SPCB shall monitor 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. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Full cooperation is extended to the visiting officials. Six monthly compliance report and along with the monitored data is regularly submitted to the Regional Office of this Ministry / CPCB / SPCB.
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 SPCB.	the status of compliance as per stipulated EC
XIII	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests. No change in the calendar plan including excavation, quantum of limestone and waste shall be made.	
XIV	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear pluggs/ muffs.	Noise level is controlled within the stipulated norms by adopting adequate noise control measures. Personnel protective equipment has been provided to the workers engaged in operations of HEMM etc. Awareness/ training program are being organized regularly.

	Industrial master material design of the	Zone discharge of such as is much being the Other
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 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.	Zero discharge of water is maintained. Oil and grease trap is installed for workshop effluents.
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 mines/ dusty areas have been provided personnel protective equipment/ respiratory devices and providing adequate training and information on safety and health aspects. Occupational health surveillance program of the employees are undertaken periodically.
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.	The Clinker production unit's financial closure booked in A/c is 15.12.2009 at a cost of Rs. 445 Crores. The commercial production of clinker was started from 03.01.2010 as communicated to RO, MoEF Bhopal vide our letter No. BJCL/COORD/DG/2010-11 dtd. 17 Th July 2010, Regional Officer, MPPCB, Satna and Member Secretary, MPPCB, Bhopal on 27.04.2010. Further, we would like to submit that the installation of Grinding unit for which EC has been granted, is approved by JAL Board and now under consideration by the Board of Directors of SAIL, as this unit is a joint venture of JAL & SAIL. After due approval from SAIL Board, the installation of Cement grinding unit will be taken up and accordingly financial closure will be intimated to MoEF.
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.	EC letter sent to concerned authorities and receipt is taken and clearance latter also put up on website of the company.
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 7 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	Advertised in the News paper "The Desh Bandhu, The Nav Bharat & The Dainik Bhaskar" on Dt. 28.07.2009.

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	State 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.	
хх	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.	Environmental statement for each financial year is submitted regularly to State Pollution Control Board and MOEFCC. Environmental statement for FY 2022-23 was submitted vide letter no. BJCL/ENV/ESR/2022-23/01 dated 22.08.2023 and also uploaded in website of the company.
ххі	The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry.	Noted and agreed.
xxII	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted and Agreed.
xxIII	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.	Noted and Agreed
XXIV	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, Second Floor, Trikoot-I, Bhikaji Cama Place, New Delhi-110066, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	Noted and Agreed.
xxv	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted and Agreed.
	MoEF vide letter F. No. J- 11011/29/2008	8-IA-II (I) Dated 10 th September, 2015
1.	The Project Proponent should install 24x7 air and water monitoring devices to monitor air emission and effluent discharge, as provided by CPCB and submit report to Ministry and its Regional Office.	We have installed 24x7 air monitoring devices to monitor air emission and its data uploaded to CPCB website and also submit reports to Ministry and its Regional Office. We have maintained zero effluent discharge.

2.	The company shall obtain fresh Environmental Clearance in case of any change in the scope of the project.	
	Thanking you.	

(P.K.Singh) Vice President (P&QC) For Bhilai Jaypee Cement Ltd. (Babupur) Satna

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S. N. Singh President (Authorized Signatory)