

**BHILAI JAYPEE
CEMENT LIMITED**

Date: 16.04.2024

PCB ID: - Cement Plant -14269

To,
The Member Secretary
MP Pollution Control Board
Paryavaran Pariser, E-5, Arera colony
Bhopal (MP) -462016

Sub: Submission of Half yearly reports of Bhilai Jaypee Cement Ltd.

Ref: Your letter Consent order No.59&61/TS/MPPCB/2009 dtd.2nd January 2010.

Dear Sir,

As per above subjected letter, we are submitting herewith half yearly reports of cement manufacturing unit M/s Bhilai Jaypee Cement Ltd. located at village Babupur, Satna (MP) for the month of **October - 2023 to March -2024 (FY 2023-24)** for kind information please. We would like to also inform you that Bhilai Jaypee Cement Plant Kiln and mines operation are stopped due to fund constraints during this period i.e. from 01.10.2023 to 31.03.2024 .

Regards,

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


P.K.Singh

Vice President (P&QC)



cc:

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

- for kind information Pl.

The Regional Directorate
Central Pollution Control Board
Parivesh Bhavan,
Paryavaran Parisar E-5 Arera Colony
Bhopal (M.P) – 462016

- for kind information pl.

The Regional Officer
MP Pollution Control Board
Rewa Road, Maihar Bi-Pass Road
Satna (MP)-485001

- for kind information pl.



Plant : Post Babupur, Satna (M.P.) Pin - 485112 Ph. : +91 (7672) 280064, 280065, 280066
Regd. Office : Bhilai Township, Bhilai, Durg, Chattisgarh - 490 006
Head Office : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi - 110 057 (India)
Ph. : +91 (11) 26141540, 26147411 Fax : +91 (11) 26145389, 26143591
BJCL web site: www.bjcl.co.in CIN : U26940CT2007PLC020260
A JV of SAIL & JAIPRAKASH ASSOCIATES LIMITED



BHILAI JAYPEE CEMENT LIMITED
BABUPUR, SATNA (M.P)
STP Water Analysis Report Month - Oct' 2023 - March' 2024

Location : Plant Area

Parameters (Treated Water)	MPPCB Limit	Month						Avg.	Min	Max
		Oct	Nov	Dec	Jan	Feb	Mar			
pH	5.5-9.0	7.6	7.8	7.4	7.7	7.1	8	7.6	7.1	8.0
Temperature (°C)	40	23°C	22°C	19°C	18°C	19°C	28 °C	27°C	22°C	31°C
Odor	-	-	-	-	-	-	-	-	-	-
BOD (mg/ltr)	10	6.5	6.3	6.7	6.6	8.2	7	6.9	6.3	8.2
COD (mg/ltr)	50	38.3	41.2	38.9	40.8	40.1	35.9	39.2	35.9	41.2
Suspended Solids (mg/ltr)	20	13.50	14	12.5	14.0	14.0	15.0	13.8	12.5	15.0
Total Solids (mg/ltr)		2785	2295	3555	3255	3705	3608	3201	2295	3705

Location : Colony Area

Parameters (Treated Water)	MPPCB Limit	Month						Avg.	Min	Max
		Oct	Nov	Dec	Jan	Feb	Mar			
pH	5.5-9.0	8	7.3	7.1	7.4	7.7	7.5	7.5	7.1	8
Temperature (°C)	40	23.5°C	22.5°C	19.5°C	17°C	20°C	29 °C	26°C	23°C	32°C
Odor	-	-	-	-	-	-		-	-	-
BOD (mg/ltr)	10	6.3	6.1	6.5	6.2	5.9	6.7	6.28	5.9	6.7
COD (mg/ltr)	50	39.4	40.3	40.8	34.8	35.5	37.3	38.0	34.8	40.8
Suspended Solids (mg/ltr)	20	16.0	16.2	15.5	17.5	17	16	16.4	15.5	17.5
Total Solids (mg/ltr)		3315	3500	4000	3700	3600	4250	3728	3315	4250


Prepared By
(V.K.Sharma)
Assistant Officer (ENV)


Authorised Signatory
(P.K.Singh)
Vice President(P&QC)

BHILAI JAYPEE CEMENT LIMITED
BABUPUR (SATNA) MP - 485112

PERFORMANCE OF KILN & RAW MILL BAG HOUSE FOR THE PERIOD :- OCTOBER' 2023 - MARCH' 2024

Unit No. B.H attached with	Total running of KILN	Total running of Bag House	Total stoppage of BH	No. of BH	Reason for	% of running Hrs.of BH	Remarks
	Hrs.	Hrs.	Hrs.				
Kiln & Raw Mill BH							
Oct-23			0.00	0	NIL	#DIV/0!	Plant was not in operation due to fund constraints from 01.10.23 to 31.03.2024.
Nov-23			0.00	0	NIL	#DIV/0!	
Dec-23			0.00	0	NIL	#DIV/0!	
Jan-24			0.00	0	NIL	#DIV/0!	
Feb-24			0.00	0	NIL	#DIV/0!	
Mar-24			0.00	0	NIL	#DIV/0!	
	0	0					


Prepared by
(V.K.Sharma)
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(P.K.Singh)
Vice President (P&QC)

BHILAI JAYPEE CEMENT LIMITED
BABUPUR (SATNA) MP- 485112

AMBIENT AIR QUALITY MONITORING RESULTS OF SIX MONTH FROM : OCTOBER 2023 - MARCH 2024

UNIT: Cement Plant & DG set

Date of Sampling	Particulars		SO ₂ (µg/M ³)	NOX (µg/M ³)	Noise dB (A)		PM 2.5 (µg/M ³)	PM- 10 (µg/M ³)	Remarks
	Side	Place			Day time	Night Time			
Oct- 23	East	Near Substation	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints.
	West	Infront of FH-2	-	-	-	-	-	-	
	North	Near Annapurna	-	-	-	-	-	-	
	South	Near Scrape Yard	-	-	-	-	-	-	
Nov-23	East	Near Substation	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints.
	West	Infront of FH-2	-	-	-	-	-	-	
	North	Near Annapurna	-	-	-	-	-	-	
	South	Near Scrape Yard	-	-	-	-	-	-	
Dec-23	East	Near Substation	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints.
	West	Infront of FH-2	-	-	-	-	-	-	
	North	Near Annapurna	-	-	-	-	-	-	
	South	Near Scrape Yard	-	-	-	-	-	-	
Jan-24	East	Near Substation	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints.
	West	Infront of FH-2	-	-	-	-	-	-	
	North	Near Annapurna	-	-	-	-	-	-	
	South	Near Scrape Yard	-	-	-	-	-	-	
Feb-24	East	Near Substation	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints.
	West	Infront of FH-2	-	-	-	-	-	-	
	North	Near Annapurna	-	-	-	-	-	-	
	South	Near Scrape Yard	-	-	-	-	-	-	
Mar-24	East	Near Substation	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints.
	West	Infront of FH-2	-	-	-	-	-	-	
	North	Near Annapurna	-	-	-	-	-	-	
	South	Near Scrape Yard	-	-	-	-	-	-	
	Average	East	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		West	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		North	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		South	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
	Minimum	East	0.00	0.00	0.00	0.00	0.00	0.00	
		West	0.00	0.00	0.00	0.00	0.00	0.00	
		North	0.00	0.00	0.00	0.00	0.00	0.00	
		South	0.00	0.00	0.00	0.00	0.00	0.00	
	Maximum	East	0.00	0.00	0.00	0.00	0.00	0.00	
		West	0.00	0.00	0.00	0.00	0.00	0.00	
		North	0.00	0.00	0.00	0.00	0.00	0.00	
		South	0.00	0.00	0.00	0.00	0.00	0.00	


Authorised Signatory
(P.K.Singh)
Vice President (P&QC)


Prepared by
(V.K.Sharma)
Assistant Officer (ENV)

BHILAI JAYPEE CEMENT LIMITED
BABUPUR (SATNA) MP- 485112

AMBIENT AIR QUALITY MONITORING DATA OF SIX MONTHLY FROM: OCTOBER' 2023 - MARCH' 2024

UNIT: ISPAT LIMESTONE QUARRY (ML-18.II)

Date of Sampling	Particulars		SO ₂ ($\mu\text{g}/\text{m}^3$)	NOX ($\mu\text{g}/\text{m}^3$)	Noise dB (A)		PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM- 10 ($\mu\text{g}/\text{m}^3$)	Remarks
	Side	Place			Day time	Night Time			
Oct- 23	East	Near Magazine Khamaria village (East)	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints
	West	Near Mines Office Babupur (West)	-	-	-	-	-	-	
	North	Near Camp Office (North)	-	-	-	-	-	-	
	South	Near Weigh bridge (South)	-	-	-	-	-	-	
Nov-23	East	Near Magazine Khamaria village (East)	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints
	West	Near Mines Office Babupur (West)	-	-	-	-	-	-	
	North	Near Camp Office (North)	-	-	-	-	-	-	
	South	Near Weigh bridge (South)	-	-	-	-	-	-	
Dec-23	East	Near Magazine Khamaria village (East)	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints
	West	Near Mines Office Babupur (West)	-	-	-	-	-	-	
	North	Near Camp Office (North)	-	-	-	-	-	-	
	South	Near Weigh bridge (South)	-	-	-	-	-	-	
Jan-24	East	Near Magazine Khamaria village (East)	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints
	West	Near Mines Office Babupur (West)	-	-	-	-	-	-	
	North	Near Camp Office (North)	-	-	-	-	-	-	
	South	Near Weigh bridge (South)	-	-	-	-	-	-	
Feb-24	East	Near Magazine Khamaria village (East)	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints
	West	Near Mines Office Babupur (West)	-	-	-	-	-	-	
	North	Near Camp Office (North)	-	-	-	-	-	-	
	South	Near Weigh bridge (South)	-	-	-	-	-	-	
Mar-24	East	Near Magazine Khamaria village (East)	-	-	-	-	-	-	Plant and mines was not in operation due to fund constraints
	West	Near Mines Office Babupur (West)	-	-	-	-	-	-	
	North	Near Camp Office (North)	-	-	-	-	-	-	
	South	Near Weigh bridge (South)	-	-	-	-	-	-	
	Average	East	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		West	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		North	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		South	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
	Minimum	East	0.00	0.00	0.00	0.00	0.00	0.00	
		West	0.00	0.00	0.00	0.00	0.00	0.00	
		North	0.00	0.00	0.00	0.00	0.00	0.00	
		South	0.00	0.00	0.00	0.00	0.00	0.00	
	Maximum	East	0.00	0.00	0.00	0.00	0.00	0.00	
		West	0.00	0.00	0.00	0.00	0.00	0.00	
		North	0.00	0.00	0.00	0.00	0.00	0.00	
		South	0.00	0.00	0.00	0.00	0.00	0.00	

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BHILAI JAYPEE CEMENT LIMITED

Babupur (SATNA) MP-485112

FORMAT - 1

DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE FOR THE MONTH OF : OCTOBER' 2023 - MARCH' 2024

DATE / MONTH	Unit No.	Cross sectional area of stack (M2)	Stack Temp. (Ok)	Velocity (m /sec)	Flow Nm3 / sec	Emission concentration Mg/Nm3	Mean emission Concentration Mg/Nm3	Emission (T / day)	Dust Load gms/Ts of feed	Load MW/T Production(T)	Remarks
Oct-23	Kiln & Raw Mill BH Stack	13.8600	-	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	Plant was not in operation due to fund constraints from 01.10.23 to 31.03.2024
Nov-23		"	-	-	-	-				-	
Dec-23		"	-	-	-	-				-	
Jan-24		"	-	-	-	-				-	
Feb-24		"	-	-	-	-				-	
Mar-24		"	-	-	-	-				-	
Oct-23	Cooler ESP Stack	9.6250	-	#DIV/0!	#DIV/0!	Dust Load (GM/Hr)	#DIV/0!	#DIV/0!	#DIV/0!	-	Plant was not in operation due to fund constraints from 01.10.23 to 31.03.2024
Nov-23		"	-	-	-	-				-	
Dec-23		"	-	-	-	-				-	
Jan-24		"	-	-	-	-				-	
Feb-24		"	-	-	-	-				-	
Mar-24		"	-	-	-	-				-	
Oct-23	Coal Mill BH Stack	2.2707	-	#DIV/0!	#DIV/0!	Dust Load (Gms/Hr)	#DIV/0!	#DIV/0!	#DIV/0!	-	Plant was not in operation due to fund constraints from 01.10.23 to 31.03.2024
Nov-23		"	-	-	-	-				-	
Dec-23		"	-	-	-	-				-	
Jan-24		"	-	-	-	-				-	
Feb-24		"	-	-	-	-				-	
Mar-24		"	-	-	-	-				-	
Oct-23	Limestone Crusher BDC	1.1314	-	#DIV/0!	#DIV/0!	Dust Load (Gms/Hr)	#DIV/0!	#DIV/0!	#DIV/0!	-	Oct_March
Nov-23		"	-	-	-	-				-	
Dec-23		"	-	-	-	-				-	
Jan-24		"	-	-	-	-				-	
Feb-24		"	-	-	-	-				-	
Mar-24		"	-	-	-	-				-	
				#DIV/0!	#DIV/0!	Dust Load (Gms/Hr)	#DIV/0!		Load Based Norms (227gms/T of feed)		#DIV/0!

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