

BHILAI JAYPEE CEMENT LIMITED

Date: 04.10.2023

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 **April -2023 to September-2023 (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 01.04.2023 to 30.09.2023 .

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 Pariser 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 : U26940CT2007PLC020250
A JV of SAIL & JAIPRAKASH ASSOCIATES LIMITED



BHILAI JAYPEE CEMENT LIMITED
BABUPUR (SATNA) MP-485112

AMBIENT AIR QUALITY MONITORING RESULTS OF SIX MONTH FROM : APRIL' 2023- SEPTEMBER' 2023

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			
Apr - 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	-	-	-	-	-	-	
May - 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	-	-	-	-	-	-	
Jun - 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	-	-	-	-	-	-	
Jul - 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	-	-	-	-	-	-	
Aug - 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	-	-	-	-	-	-	
Sep - 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	-	-	-	-	-	-	
	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	


 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

AMBIENT AIR QUALITY MONITORING DATA OF SIX MONTHLY FROM: APRIL' 2023- SEPTEMBER' 2023

UNIT: ISPAT LIMESTONE QUARRY (ML-I&II)

Date of Sampling	Particulars		SO ₂ (µg/M ³)	NO _x (µg/M ³)	Noise dB (A)		PM ₁₀ (µg/M ³)	Remarks
	Side	Place			Day time	Night Time		
Apr - 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)	-	-	-	-	-	
May- 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)	-	-	-	-	-	
Jun - 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)	-	-	-	-	-	
Jul - 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)	-	-	-	-	-	
Aug - 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)	-	-	-	-	-	
Sep - 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)	-	-	-	-	-	
	Average	East	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		West	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		North	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
		South	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
	Minimum	East	0.00	0.00	0.00	0.00	0.00	
		West	0.00	0.00	0.00	0.00	0.00	
		North	0.00	0.00	0.00	0.00	0.00	
		South	0.00	0.00	0.00	0.00	0.00	
	Maximum	East	0.00	0.00	0.00	0.00	0.00	
		West	0.00	0.00	0.00	0.00	0.00	
		North	0.00	0.00	0.00	0.00	0.00	
		South	0.00	0.00	0.00	0.00	0.00	

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BHILAI JAYPEE CEMENT LIMITED

Babupur (SATNA) MP-485112

DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE FOR THE MONTH OF : APRIL 2023- SEPTEMBER 2023

FORMAT - 1

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
Apr - 23	Kiln & Raw Mill BH Stack	13.8600	-	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	Plant was not in operation due to fund constraints from 01.04.23 to 30.09.2023
May - 23		"	-	-	-	-				-	
Jun - 23		"	-	-	-	-				-	
July - 23		"	-	-	-	-				-	
Aug - 23		"	-	-	-	-				-	
Sep - 23		"	-	-	-	-				-	
				#DIV/0!	#DIV/0!	Dust Load (GM/Hr)	#DIV/0!				
Apr - 23	Cooler ESP Stack	9.6250	-	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	Plant was not in operation due to fund constraints from 01.04.23 to 30.09.2023
May - 23		"	-	-	-	-				-	
Jun - 23		"	-	-	-	-				-	
July - 23		"	-	-	-	-				-	
Aug - 23		"	-	-	-	-				-	
Sep - 23		"	-	-	-	-				-	
				#DIV/0!	#DIV/0!	Dust Load (Gms/Hr)	#DIV/0!				
Apr - 23	Coal Mill BH Stack	2.2707	-	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	Plant was not in operation due to fund constraints from 01.04.23 to 30.09.2023
May - 23		"	-	-	-	-				-	
Jun - 23		"	-	-	-	-				-	
July - 23		"	-	-	-	-				-	
Aug - 23		"	-	-	-	-				-	
Sep - 23		"	-	-	-	-				-	
				#DIV/0!	#DIV/0!	Dust Load (Gms/Hr)	#DIV/0!				
Apr - 23	Limestone Crusher BDC	1.1314	-	-	-	-	#DIV/0!	#DIV/0!	#DIV/0!	-	Plant was not in operation due to fund constraints from 01.04.23 to 30.09.2023
May - 23		"	-	-	-	-				-	
Jun - 23		"	-	-	-	-				-	
July - 23		"	-	-	-	-				-	
Aug - 23		"	-	-	-	-				-	
Sep - 23		"	-	-	-	-				-	
				#DIV/0!	#DIV/0!	Dust Load (Gms/Hr)	#DIV/0!				
				#DIV/0!	#DIV/0!	Dust Load (Gms/Hr)	#DIV/0!		Load Based Norms (227gms/T of feed)		#DIV/0!

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

Prepared by
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Assistant Officer (ENV)

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BABUPUR (SATNA) MP - 485112

PERFORMANCE OF KILN & RAW MILL BAG HOUSE FOR THE PERIOD :- APRIL' 2023- SEPTEMBER' 2023

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.	Hrs.	Hrs.	Hrs.	Trippings	Trippings	Trippings			
Kiln & Raw Mill BH												
Apr-23					0.00		0		NIL		#DIV/0!	Plant was not in operation due to fund constraints from 01.04.23 to 30.09.2023.
May-23					0.00		0		NIL		#DIV/0!	
Jun-23					0.00		0		NIL		#DIV/0!	
Jul-23					0.00		0		NIL		#DIV/0!	
Aug-23					0.00		0		NIL		#DIV/0!	
Sep-23					0.00		0		NIL		#DIV/0!	
		0		0								


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

Location : Plant Area

Parameters (Treated Water)	MPPCB Limit	Month						Avg.	Min	Max
		April	May	June	July	Aug	Sep			
pH	5.5-9.0	7.7	7.7	7.8	8.0	7.8	7.3	7.7	7.3	8.0
Temperature (°C)	40	23°C	31°C	30°C	25°C	22°C	24°C	27°C	22°C	31°C
Odor	-	-	-	-	-	-	-	-	-	-
BOD (mg/ltr)	10	7.8	7.5	7.9	8.1	8.0	6.9	7.7	6.9	8.1
COD (mg/ltr)	50	36.8	39.4	38.3	36.7	40.3	37.3	38.1	36.7	40.3
Suspended Solids (mg/ltr)	20	16.50	17.5	16.5	15.5	14.4	14.5	15.8	14.4	17.5
Total Solids (mg/ltr)		2705	2955	3055	2805	2505	2795	2803	2505	3055

Location : Colony Area

Parameters (Treated Water)	MPPCB Limit	Month						Avg.	Min	Max
		April	May	June	July	Aug	Sep			
pH	5.5-9.0	7.2	7.5	7.9	8.2	7.6	7.9	7.7	7.2	8.2
Temperature (°C)	40	24°C	32°C	29°C	26°C	23°C	25°C	26°C	23°C	32°C
Odor	-	-	-	-	-	-	-	-	-	-
BOD (mg/ltr)	10	6.8	6.6	6.4	6.3	6.4	6.5	6.5	6.3	6.8
COD (mg/ltr)	50	39.7	38.2	40.2	41.2	38.9	38.8	39.5	38.2	41.2
Suspended Solids (mg/ltr)	20	17.0	16.0	15.0	16.5	15.4	15.9	16.0	15.0	17.0
Total Solids (mg/ltr)		2250	2100	2600	3950	2950	3000	2808	2100	3950


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