

**BHILAI JAYPEE
CEMENT LIMITED**

Date: 04.09.2022

PCB ID: - Cement Plant -14269

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

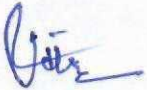
Sub: Submission of Half yearly reports of Bhilai Jaypee Cement Ltd.

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 -2022 to Sept-2022 (2022-23)** for kind information pl. we would like to inform you that Bhilai Jaypee Cement Plant Kiln and mines operation are stopped due to fund constraints from 09.05.2022 to 30.09.2022 and no clinker production during this period.

Regards,



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



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

cc:

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.

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

- for kind information pl.

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

- for kind information pl.



BHILAI JAYPEE CEMENT LIMITED
BABUPUR (SATNA) MP- 485112

AMBIENT AIR QUALITY MONITORING RESULTS OF SIX MONTH FROM : Apr-Sep-2022-23

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 - 22	East	Near Substation	9.64	20.28	70.65	67.8	41.74	81.05	
	West	Infront of FH-2	8.63	20.97	72.00	68.4	46.62	79.84	
	North	Near Annapurna	10.87	17.78	71.40	65.2	32.35	83.76	
	South	Near Scrape Yard	11.19	19.01	73.00	66.8	34.85	84.38	
May - 22	East	Near Substation	8.86	19.30	74.4	66.7	51.08	85.26	
	West	Infront of FH-2	8.50	18.88	72.2	67.9	39.83	84.93	
	North	Near Annapurna	8.73	14.65	71.8	65.6	46.44	83.27	
	South	Near Scrape Yard	8.35	16.01	72.1	68.1	51.23	87.57	
Jun - 22	East	Near Substation							Plant and mines was not in operation due to fund constraints in this month
	West	Infront of FH-2							
	North	Near Annapurna							
	South	Near Scrape Yard							
Jul - 22	East	Near Substation							Plant and mines was not in operation due to fund constraints in this month
	West	Infront of FH-2							
	North	Near Annapurna							
	South	Near Scrape Yard							
Aug - 22	East	Near Substation							Plant and mines was not in operation due to fund constraints in this month
	West	Infront of FH-2							
	North	Near Annapurna							
	South	Near Scrape Yard							
Sep - 22	East	Near Substation							Plant and mines was not in operation due to fund constraints in this month
	West	Infront of FH-2							
	North	Near Annapurna							
	South	Near Scrape Yard							
	Average	East	9.25	19.79	72.53	67.20	46.41	83.16	
		West	8.57	19.92	72.10	68.15	43.22	82.38	
		North	9.80	16.22	71.60	65.40	39.40	83.51	
		South	9.77	17.51	72.53	67.45	43.04	85.97	
	Minimum	East	8.86	19.30	70.65	66.65	41.74	81.05	
		West	8.50	18.88	72.00	67.90	39.83	79.84	
		North	8.73	14.65	71.40	65.20	32.35	83.27	
		South	8.35	16.01	72.05	66.80	34.85	84.38	
	Maximum	East	9.64	20.28	74.40	67.75	51.08	85.26	
		West	8.63	20.97	72.20	68.40	46.62	84.93	
		North	10.87	17.78	71.80	65.60	46.44	83.76	
		South	11.19	19.01	73.00	68.10	51.23	87.57	


S. R. Jha
Manager (Environment)

BHILAI JAYPEE CEMENT LIMITED
BABUPUR (SATNA) MP- 485112

AMBIENT AIR QUALITY MONITORING DATA OF SIX MONTHLY FROM: Apr-Sep: 2022-23

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

Date of Sampling	Particulars		SO ₂	NO _x	Noise dB (A)		PM 2.5	Remarks	
	Side	Place	(µg/M ³)	(µg/M ³)	Day time	Night Time	(µg/M ³)	PM- 10	(µg/M ³)
Apr - 22	East	Near Magazine Khamaria village (East)	9.01	21.21	73.05	65.90	35.14	85.01	
	West	Near Mines Office Babupur (West)	8.83	20.74	70.95	68.55	30.47	82.63	
	North	Near Camp Office (North)	10.19	18.86	72.30	67.30	34.94	83.20	
	South	Near Weigh bridge (South)	11.68	17.82	74.20	66.80	26.21	81.60	
May- 22	East	Near Magazine Khamaria village (East)	8.40	21.40	71.6	67.3	38.67	87.74	
	West	Near Mines Office Babupur (West)	8.97	19.41	72.3	68.6	31.36	93.66	
	North	Near Camp Office (North)	10.52	16.23	72.1	67.3	36.72	88.87	
	South	Near Weigh bridge (South)	11.88	17.15	73.8	69.5	34.14	82.86	
Jun - 22	East	Near Magazine Khamaria village (East)							Plant and mines was not in operation due to fund constraints in this month
	West	Near Mines Office Babupur (West)							
	North	Near Camp Office (North)							
	South	Near Weigh bridge (South)							
Jul - 22	East	Near Magazine Khamaria village (East)							Plant and mines was not in operation due to fund constraints in this month
	West	Near Mines Office Babupur (West)							
	North	Near Camp Office (North)							
	South	Near Weigh bridge (South)							
Aug - 22	East	Near Magazine Khamaria village (East)							Plant and mines was not in operation due to fund constraints in this month
	West	Near Mines Office Babupur (West)							
	North	Near Camp Office (North)							
	South	Near Weigh bridge (South)							
Sep - 22	East	Near Magazine Khamaria village (East)							Plant and mines was not in operation due to fund constraints in this month
	West	Near Mines Office Babupur (West)							
	North	Near Camp Office (North)							
	South	Near Weigh bridge (South)							
	Average	East	8.70	21.31	72.33	66.60	36.91	86.38	
		West	8.90	20.07	71.63	68.58	30.92	88.14	
		North	10.35	17.55	72.20	67.30	35.83	86.03	
		South	11.78	17.48	74.00	68.15	30.18	82.23	
	Minimum	East	8.40	21.21	71.60	65.90	35.14	85.01	
		West	8.83	19.41	70.95	68.55	30.47	82.63	
		North	10.19	16.23	72.10	67.30	34.94	83.20	
		South	11.68	17.15	73.80	66.80	26.21	81.60	
	Maximum	East	9.01	21.40	73.05	67.30	38.67	87.74	
		West	8.97	20.74	72.30	68.60	31.36	93.66	
		North	10.52	18.86	72.30	67.30	36.72	88.87	
		South	11.88	17.82	74.20	69.50	34.14	82.86	



S.R. Jha
 Manager (Environment)

BHILAI JAYPEE CEMENT LIMITED

Babupur (SATNA) MP-485112

FORMAT - 1

DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE FOR THE MONTH OF : Apr-Sep: 2022-23

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 – 22	Kiln & Raw Mill BH Stack	13.8600	437	11.95	107.53	17.51	19.11	0.175	34.701		Plant was not in operation due to fund constraints from 09.05.22 to 30.09.2022
May – 22		"	435	11.53	104.29	20.71					
Jun – 22		"									
July – 22		"									
Aug – 22		"									
Sep – 22		"									
Apr – 22	Cooler ESP Stack	9.6250	533	11.95	105.91	Dust Load (GM/Hr)	7287.25				Plant was not in operation due to fund constraints from 09.05.22 to 30.09.2022
May – 22		"	528	12.65	65.74	19.54					
Jun – 22		"		12.67	66.45	25.37					
July – 22		"									
Aug – 22		"									
Sep – 22		"									
Apr – 22	Coal Mill BH Stack	2.2707	349	12.66	66.10	Dust Load (Gms/Hr)	5342.94				Plant was not in operation due to fund constraints from 09.05.22 to 30.09.2022
May – 22		"	350	8.20	15.26	23.72					
Jun – 22		"		9.71	18.00	18.60					
July – 22		"									
Aug – 22		"									
Sep – 22		"									
Apr – 22	Limestone Crusher BDC	1.1314	325	8.95	16.63	Dust Load (Gms/Hr)	1266.97				Plant was not in operation due to fund constraints from 09.05.22 to 30.09.2022
May – 22		"	326	7.46	7.48	24.52					
Jun – 22		"		8.64	8.63	16.19					
July – 22		"									
Aug – 22		"									
Sep – 22		"									
				8.05	8.05	Dust Load (Gms/Hr)	590.08	Load Based Norms (227gms/T of feed)		108.95	



S.R. Jha
Manager (Environment)

BHILAI JAYPEE CEMENT LIMITED
BABUPUR (SATNA) MP - 485112

PERFORMANCE OF KILN & RAW MILL BAG HOUSE FOR THE MONTH :- Apr-Sep-2022-23

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			
<u>Kiln & Raw Mill BH</u>												
Apr-22	282.25		282.25		0.00		0		NIL		100.00	Plant was not in operation due to fund constraints from 09.05.22 to 30.09.2022.
May-22	175.42		175.42		0.00		0		NIL		100.00	
Jun-22					0.00		0		NIL		#DIV/0!	
Jul-22					0.00		0		NIL		#DIV/0!	
Aug-22					0.00		0		NIL		#DIV/0!	
Sep-22					0.00		0		NIL		#DIV/0!	
		457.67		457.67								



S R JHA
Manager (Environment)

BHILAI JAYPEE CEMENT LIMITED
BABUPUR, SATNA (M.P)
STP Water Analysis Report Month - April - Sep (2022-23)

Location : Plant Area

Parameters (Treated Water)	MPPCB Limit	Month						Avg.	Min	Max
		April	May	June	July	Aug	Sep			
pH	5.5-9.0	7.60	7.8	7.3	7.6	7.2	7.7	7.5	7.2	7.8
Temperature (°C)	40	32°C	28°C	26°C	27°C	24°C	25°C	27°C	24°C	32°C
Odor	-	-	-	-	-	-	-	-	-	-
BOD (mg/ltr)	10	6.10	8	7.9	8.2	7.9	8.3	7.7	6.1	8.3
COD (mg/ltr)	50	32.20	40.1	38.5	41.2	42.7	45.2	40.0	32.2	45.2
Suspended Solids (mg/ltr)	20	15.00	17.1	18.1	17.6	16.5	18.0	17.1	15.0	18.1
Total Solids (mg/ltr)		1600.00	2655	3022	2405	2755	3055	2582.0	1600.0	3055.0

Location : Colony Area

Parameters (Treated Water)	MPPCB Limit	Month						Avg.	Min	Max
		April	May	June	July	Aug	Sep			
pH	5.5-9.0	7.5	7.9	7.4	7.7	7.4	7	7.5	7	7.9
Temperature (°C)	40	32°C	29°C	25°C	26°C	22°C	24°C	26°C	24°C	32°C
Odor	-	-	-	-	-	-	-	-	-	-
BOD (mg/ltr)	10	6.3	8.4	6.4	7.7	8.3	6.4	7.3	6.3	8.4
COD (mg/ltr)	50	30.3	35.7	37.2	39.7	37.7	41.2	37.0	30.3	41.2
Suspended Solids (mg/ltr)	20	10.5	18.0	19.5	19.0	17.0	14.5	16.4	10.5	19.5
Total Solids (mg/ltr)		1250	2480	3200	2550	2650	3300	2571.7	1250.0	3300.0



S R Jha
Manager (Environment)