

Dated: 27.01.2022

To

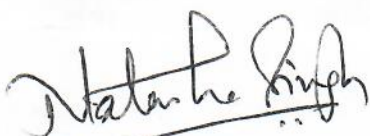
The Sr. Scientific Officer,
HPSPCB,
Parwanoo.

Sub: Annual Biomedical Report for the year 2021

Dear Sir,

Please find attached the annual biomedical report for year 2021 (Jan-21 to Dec.-21) of Ambuja Dispensary of M/S Ambuja cements Ltd. Darlaghat Distt. Solan (H.P).

Regards



Dr. Natasha Singh
CMO
Ambuja Dispensary
Darlaghat Distt. Solan (H.P)

Enclosures:

1. Dully filled Form-IV
2. BMW generated in Annexure-I
3. BMW treatment & Disposal in Annexure -II
4. BMW training
5. BMW committee & it's minutes
6. Biomedical Waste Authorization
7. Status of consents under Water & Air Act

Form - IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars		
1.	Particulars of the Occupier	:	
	(i) Name of the authorised person (occupier or operator of facility)	:	DR. NATASHA SINGH CMB
	(ii) Name of HCF or CBMWTF	:	AMBUJA DISPENSARY
	(iii) Address for Correspondence	:	VILL: SULI, PO. DARLAQHAT
	(iv) Address of Facility	:	DIST: SOLAN (H.P.) - 171102
	(v) Tel. No, Fax. No	:	01796-306258 FAX: 01796-248335
	(vi) E-mail ID	:	nataasha.singh@ambujacemend.com
	(vii) URL of Website	:	-
	(viii) GPS coordinates of HCF or CBMWTF	:	-
	(ix) Ownership of HCF or CBMWTF	:	(State Government or Private or Semi Govt. or any other)
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: BMW/SOL-004valid up to 31.03.2024 (Attached)
	(xi). Status of Consents under Water Act and Air Act	:	Valid up to: 31.03.2024 (Attached)
2.	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds:..... 4 (FOUR)
	(ii) Non-bedded hospital	:	
	(Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	N.A.
	(iii) License number and its date of expiry	:	-
3.	Details of CBMWTF	:	
	(i) Number healthcare facilities covered by CBMWTF	:	N.A.
	(ii) No of beds covered by CBMWTF	:	N.A.
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	_____ Kg per day N.A.

	(iv) Quantity of biomedical waste treated or disposed by CBMWTF :	_____ Kg/day NA.																																																			
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis) :	Yellow Category : Red Category : White: Blue Category : General Solid waste:																																																			
5	Details of the Storage, treatment, transportation, processing and Disposal Facility																																																				
	(i) Details of the on-site storage facility :	Size : NA. Capacity : Provision of on-site storage : (cold storage or any other provision)																																																			
	(ii) Details of the treatment or disposal facilities :	<table border="1"> <thead> <tr> <th>Type of treatment equipment</th> <th>No of units</th> <th>Capacity Kg/day</th> <th>Quantity treated or disposed in kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plasma Pyrolysis</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Autoclaves</td> <td>→ 01</td> <td></td> <td></td> </tr> <tr> <td>Microwave</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hydroclave</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Shredder</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td>→ 05</td> <td></td> <td>-</td> </tr> <tr> <td>Sharps encapsulation or concrete pit</td> <td></td> <td></td> <td>-</td> </tr> <tr> <td>Deep burial pits:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chemical disinfection:</td> <td></td> <td></td> <td>-</td> </tr> <tr> <td>Any other treatment equipment:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Type of treatment equipment	No of units	Capacity Kg/day	Quantity treated or disposed in kg per annum	Incinerators				Plasma Pyrolysis				Autoclaves	→ 01			Microwave				Hydroclave				Shredder				Needle tip cutter or destroyer	→ 05		-	Sharps encapsulation or concrete pit			-	Deep burial pits:				Chemical disinfection:			-	Any other treatment equipment:			
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Any other treatment equipment:																																																					
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum. :	Red Category (like plastic, glass etc.) Nil																																																			
	(iv) No of vehicles used for collection and transportation of biomedical waste :																																																				
	(v) Details of incineration ash and ETP sludge generated and disposed :	<table border="1"> <thead> <tr> <th>Quantity generated</th> <th>Where disposed</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>			Quantity generated	Where disposed																																															
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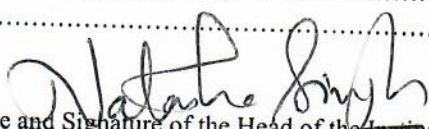
	during the treatment of wastes in Kg per annum	Incineration Ash ETP Sludge	N.A.
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	:	M/S ENVIRO ENGINEERS SANDLI (SOLAND H.P.
	(vii) List of member HCF not handed over bio-medical waste.		—
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		YES, C Two meeting held, minutes of meeting attached)
7	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.		Two, inhouse training conducted.
	(ii) number of personnel trained		Thirteen.
	(iii) number of personnel trained at the time of induction		—
	(iv) number of personnel not undergone any training so far		NIL
	(v) whether standard manual for training is available?		N.A.
	(vi) any other information)		—
8	Details of the accident occurred during the year		NIL
	(i) Number of Accidents occurred		NIL
	(ii) Number of the persons affected		NIL
	(iii) Remedial Action taken (Please attach details if any)		N.A.
	(iv) Any Fatality occurred, details.		NIL
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?		—
	Details of Continuous online emission monitoring systems installed		—
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		Treated with 10% hypochlorite solution and drained in sewerage treatment plant. (STP)
11	Is the disinfection method or sterilization meeting the log 4		—

	standards? How many times you have not met the standards in a year?		
12	Any other relevant information	:	(Air Pollution Control Devices attached with the Incinerator) N.A.

Certified that the above report is for the period from

January 2021 to Dec-2021.

Date: 27.01.2022
Place: Subi, Darlaghat


Name and Signature of the Head of the Institution
Dr. (Major) Natasha Singh
Chief Medical Officer
Ambuja Hospital
ACL, Darlaghat (H.P.)

ANNEXURE - I

Category and Quantity of Waste generated on monthly average basis

(From January 2021 to Dec, 2021)

MONTH	CATEGORY YELLOW (Kg)	CATEGORY RED (Kg)	CATEGORY WHITE (Kg)	CATEGORY BLUE(Kg)	CATEGORY LIQUID WASTE (Ltr)
JANUARY	1.71	0.58	0.347	0.32	1690
FEBRUARY	1.33	0.46	0.315	0.285	1285
MARCH	1.87	0.83	0.45	0.37	1350
APRIL	1.86	1.4	0.58	0.43	1610
MAY	1.98	1.07	0.73	0.3	1340
JUNE	2.33	1.26	0.75	0.42	1440
JULY	2.37	1.48	1.06	0.39	1560
AUGUST	2.46	1.89	0.76	0.4	1900
SEPTEMBER	2.72	1.51	0.64	0.36	1755
OCTOBER	2.51	1.47	0.98	0.48	1530
NOVEMBER	2.18	1.24	0.89	0.54	1590
DECEMBER	1.86	1.4	0.58	0.43	1610
Total Quantity of waste reated and generetd for the year 2021	25.18kg	14.59kg	8.082 Kg	4.725Kg	18660 Ltr.

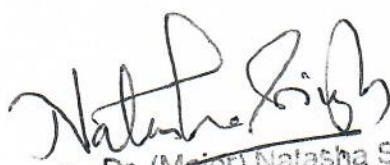

Dr. Natasha Singh

CMO
Dr. (Major) Natasha Singh
Chief Medical Officer
Ambuja Hospital
ACL, Darlaghat (H.P.)

Annexure –II

Mode of treatment of waste generated from Dispensary :

Category	Category Yellow	Category Red	Category White	Category Blue	Category Liquid Waste
Mode of treatment with detail	Solid waste contaminated with blood and body fluids which include cotton, dressings are put in Biodegradable Plastic bag, tied to avoid spillage and disposed off through Enviro Engineers Shimla.	Solid waste such as syringe barrel, tubing's, catheters, IV sets are first shredded to avoid unauthorized use and then disinfected by using 1% hypochlorite solution disposed off through Enviro Engineers Shimla.	Tips of needles etc. are first shredded to avoid unauthorized use and then disinfected by using 1% hypochlorite solution disposed off through Enviro Engineers Shimla.	Needles, syringes, Scalpels, blades are first shredded in shredder and then disinfected with chemical treatment by using 1% hypochlorite solution. It is then disposed off through Enviro Engineers Shimla	Liquid waste generated from laboratory and washing, cleaning, house keeping & disinfecting activity is primarily treated with 1% hypochlorite solution and discharged into the SWRP.


Dr. Natasha Singh
CMO Chief Medical Officer
Ambuja Hospital
ACL, Darlaghat (H.P.)

To

The Pr. Scientific Officer,
HP. State Pollution Control Board,
Parwanoo (H.P.)

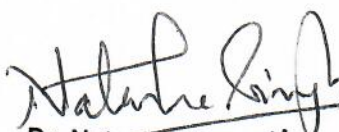
Sub: Biomedical waste (BMW) training .

Dear Sir,

Biomedical waste training imparted to Ambuja Dispensary staff (in-house) for effective and proper implementation of BMW segregation , treatment and its disposal. The training sessions conducted as per requirement by Chairperson cum BMW Co-coordinator, Dr. Natasha Singh CMO.

Following is the list of Staff who attended the training session:

S.NO.	NAME	DESIGNATION	1ST SESSION 10.03.2021	2ND SESSION 25.08.2021
1.	DR. NATASHA SINGH	CMO	PRESENT	PRESENT
2.	DR. UMESH SHARMA	MO	PRESENT	PRESENT
3.	ASHWANI MAHAJAN	SR. PHARMACIST	PRESENT	PRESENT
4.	DEEPAK MEHRA	SR. LAB. TECHNICIAN	PRESENT	PRESENT
5.	JAGDISH THIND	SR. PHARMACIST	ABSENT	PRESENT
6.	KULDEEP KUMAR	PHARMACIST	PRESENT	PRESENT
7.	DESH RAJ SHARMA	PHARMACIST	PRESENT	PRESENT
8.	RAJESH KAPLAS	PHARMACIST	ABSENT	PRESENT
9.	RAMA SHARMA	PHARMACIST	PRESENT	PRESENT
10.	UPMA GUPTA	PHARMACIST	PRESENT	PRESENT
11.	SANTOSH KUMAR	RADIOGRAPHER	PRESENT	PRESENT
12.	SHIVDEEP PATHAK	AMBULANCE TECHNICIAN	PRESENT	PRESENT
13.	SANJU KUMAR	SWEEPER	PRESENT	PRESENT


Dr. Natasha Singh
CMO (Major) Natasha Singh
Chief Medical Officer
Ambuja Hospital
ACL, Darlaghat (H.P.)

Dated: 10.03.2021


Subject: Biomedical Waste (BMW) management Committee meeting

BMW committee of Ambuja Dispensary constituted under the Biomedical Act-2016 met in the Dispensary premises on 10.03.2021 under the Chairperson , Dr. Natasha Singh CMO:

Minutes of the meeting:

1. Functioning of old committee discussed and decided to reconstitute it .
2. BMW disposal discussed, special attention to PPE kits disposal.
3. Renewal of Biomedical waste vendor and its functioning discussed.

The meeting closed with BMW guidelines.


Dr. Natasha Singh
CMO
Chief Medical Officer
Ambuja Hospital
ACL, Darlaghat (H.P.)

Dated: 25.08.2021

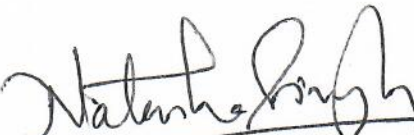
Subject: Biomedical Waste (BMW) management Committee meeting

BMW committee of Ambuja Dispensary constituted under the Biomedical Act-2016 met in the Dispensary premises on 25.08.2021 under the Chairperson , Dr. Natasha Singh CMO:

Minutes of the meeting:

1. Proper & regular sanitization of OHC .
2. BMW disposal discussed.
3. Proper sanitization of area after RTPCR COVID sampling discussed.

The meeting closed with BMW guidelines .


Dr. Natasha Singh
CMO
Chief Medical Officer
Ambuja Hospital
ACL, Darlaghat (H.P.)



Himachal Pradesh State Pollution Control Board

Him Parivesh, Phase-III, New Shimla-9

Tel: 2673766, 2673276 Fax: 2673018

No. HPSPCB/BMW/(18) Ambuja Hospital/-

22384-85

Dated:

19-10-20

To

- ✓ M/s Ambuja Cement Ltd. (Ambuja Hospital)
Village Suli, P.O Dharlaghat
Tehsil Arki District- Solan (H.P.)

Sub:

Renewal of Authorization for operating a facility for Generation, Storage, Treatment/ Disposal and /or Handling of Bio-Medical Wastes under Bio-Medical Waste Management Rules, 2016.

- | | |
|-----------------------------------|---|
| (a) Number of authorization | : BMW SOL-004 |
| (b) Date of Expiry | : 31/03/2024 (Synchronized with the validity of Consent issued vide HPSPCB No. 2178 dated 25.06.2019) |
| (c) No. of beds/Quantity of waste | : 04 Beds /12.30 Kg per month |
| (d) Mode of Disposal | : Through M/s Enviro Engineer, Sandli, Solan (H.P.) |

As per powers delegated by the State Board vide Notification No. HPSPCB/BMW Notification (2)/22426-74 dated 01-03-2017 & 10854-10897 dated 19.08.2017, renewal of authorisation is hereby granted under Bio-Medical Waste Management Rules, 2016 to M/s Ambuja Cement Ltd. (Ambuja Hospital), Village Suli, P.O Dharlaghat, Tehsil Arki District- Solan (H.P.) for the following activities and term & conditions:

1. Generation, Segregation, Treatment & Disposal of various categories of Bio-medical waste generated from your institution strictly as per the provisions/standards prescribed under the said rules.
2. The renewal of authorization shall be synchronised with the validity of Consents from the date of issue and ensure the final treatment & disposal of liquid waste in accordance with Water (Prevention and Control of Pollution) Act, 1974.
3. The authorization is subject to the terms & conditions as stated overleaf and also to such conditions as may be specified in the rules for the time to time in force under the Environment (Protection) Act, 1986.
4. The log book for the all categories of bio-medical waste generated should also be maintained and shall submit annual report on form-IV before 30th June every year to the State Board.
5. The mercury containing waste or mercury spillage shall be stored separately & record shall be maintained in the log book.
6. The plastic waste shall be handed over to the authorised operator of CBWTF or plastic waste recycling units registered under the Plastic Waste (Management & Handling) Rules, 2011.
7. The Chemical Liquid waste generated from the HCF shall be segregated at source and shall be pre-treated or neutralized before mixing with other effluent generated from the HCF.
8. This authorisation is subject to the condition mentioned above and also to such conditions as may be specified in the rules from time to time in force under Environment (Protection) Act, 1986.

(Aditya Negi, IAS)
Member Secretary

Copy forwarded to the:

1. The Laboratory In-charge, H.P. State Pollution Control Board, Central Laboratory, Parwanoo, District- Solan (H.P) for information. The above authorization is granted on the basis of your recommendation vide letter No. PCB/Lab/PWN/M/s Ambuja Cement Ltd (Ambuja Hospital)/1006 dated 04.09.2019. The officer is requested to visit the said unit periodically and to ensure the compliance of above referred conditions and send the report.
2. Case file.

(Aditya Negi, IAS)
Member Secretary



H.P. STATE POLLUTION CONTROL BOARD

HIM PARIVESH, PHASE-III, NEW SHIMLA-171009.

Website:- <http://hppcb.nic.in>

HPSPCB No : 2178

Industry Registration ID: 10034

Date: 25/06/2019

Application No : 326305

To,

Ambuja cements limited (suli plant)
Village suli, p.o. darlaghat, tehsil arki, district solan, h.p. 171102
Darlaghat
Solan parwanoo
171102

Subject: Renewal of 'Consent to Operate' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining Renewal of 'Consent to Operate' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby authorized to operate an industrial unit subject to the Terms and Conditions as mentioned in this Consent letter.

1. Particulars of Consent to Operate under Water Act, 1974 and Air Act, 1981 granted to the industry

Consent No.	CTO/BOTH/RENEW/RO/2019/326305
Consent valid from:	01/04/2019
Consent valid upto:	31/03/2024
Certificate Type :	RENEW
Previous CTO No. & Validity :	

2. Particulars of the Industry

Name & Designation of the Applicant	Ambuja Cements Limited Unit Suli, (Unit Head)
Address of Industrial premises	Ambuja cements limited (suli plant), Village suli, p.o. darlaghat, tehsil arki, district solan, h.p. 171102, Darlaghat, Solan parwanoo-171102
Category of Industry	Red
Type of Industry	Ind Type-1
Scale of the Industry	Large
Office District	Solan parwanoo
Capacity	RCTO for the manufacturing of Clinker (@ 2.6 MTPA) and Cement (@ 1.6 MTPA): Ball Race Mill (@ 52 TPH), Selective Non-catalytic Reduction (SNCR) process for NOx reduction and Pel Coke as feedstock or in the manufacturing process (Domestic and/or Imported or both).
Raw Materials (Name with quantity per day)	

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Ambuja cements limited (suli plant), Village suli, p.o. darlaghat, tehsil arki, district solan, h.p. 171102, Darlaghat, Solan parwanoo, 171102

Raw Materials	Quantity	Unit
Kashlog Limestone Mines	316666	M.T.

Products (Name with quantity per day)

Name of Products	Unit	Quantity	Intermediate Product	Principal Use
Cement	M.T./Year	1600000	Clinker	Cement
Clinker	M.T./Year	2600000	Nil	Cement Mfg

Details of the Effluent Treatment Plant

Type of Effluent	Capacity(KLD)	Quantity(KLD)
STP	250	200

Mode of Disposal

Description	Quantity(in KLD)	Method of Treatment	Method of Disposal
Domestic	200	STP	Irrigation/Gardening

Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.

Type	No.of Boiler/'Heater/ Evaporator/Incinerator/DG Set/Other	Capacity	Type of Boiler/'Heaters /Evaporators/Incinerator/DG Sets/Others	Type of Fuel	Fuel consumption rate in MT/hour or KL/hour or M3 /hour
DG Sets	4	6 MW each	DG	HSD	1.26 KL/Hr

Type of Air Pollution Control Devices installed

Equipment Type	Equipment Name	Date/proposed date of installation	Efficiency(%reduction)	Final concentration of pollution being emitted
Bag House	Others	Sat Jan 30 00:06:00 IST 2016	99.99	<30 mg/Nm3
Bag House	Others	Sun Jan 01 00:01:00 IST 1995	99.99	<30 mg/Nm3
ESP	Others	Sun Jan 01 00:01:00 IST 1995	99.99	<30 mg/Nm3
Glass Bag House (Pulse Jet type)	Others	Sun Jan 01 00:01:00 IST 1995	99.99	<30 mg/Nm3
ESP & Bag Filter	Others	Sun Jan 01 00:01:00 IST 1995	99.99	<30 mg/Nm3
Bag Filter	Others	Sun Jan 01 00:01:00 IST 1995	99.99	<30mg/Nm3
ESP	Others	Sun Jan 01 00:01:00 IST 1995	99.99	<30mg/Nm3

Sources of emissions and type of pollutants

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Ambuja cements limited (suli plant), Village suli, p.o. darlaghat, tehsil arki, district solan, h.p. 171102, Darlaghat, Solan parwanoo, 171102

Name and location of the process vessel to which the stack/ vent is attached	Rate of emission in Kg./hr	Concentration of pollution like SO ₂ , NO _x , H ₂ S, Cl, HCl etc. in mg/NM ³	Height of Vent/outlet/stack from ground level in meters
Kiln & Raw Mill stack	PM - 4 Kg/hr	NO _x <1000 mg/Nm ³ ; SO ₂ <700 mg/Nm ³ ; Dust <30mg/Nm ³	100
Clinker Cooler	8.75 Kg/hr	Dust <30mg/Nm ³	44.5
E Mill	PM - 0.58 kg/hr	<30 mg/Nm ³	66
Coal Mill	PM- 1.73 Kg/hr	PM <30mg/Nm ³	56
Cement mill 1	0	0	30
Cement Mill 2	PM - 0.17 kg/hr	PM<30 mg/Nm ³	30
Cement Mill 3	0.35 kg/hr	PM <30 mg/Nm ³	30

Endst. No.:

RAJ KRISHAN PRUTHI
Digitally signed by
RAJ KRISHAN PRUTHI
Date: 2019.06.25
22:20:02 +05'30'

Dr. R.K. Pruthi (IAS)
Member Secretary
For & on behalf of
(H. P. State Pollution Control Board)

Copy To:-

The Environmental Engineer, HP SPCB, Regional Office-Parwanoo, Distt. Solan (H.P.) for information w.r.t. online recommendation and ensure compliance of relevant Consent conditions please.

RAJ KRISHAN PRUTHI
Digitally signed by
RAJ KRISHAN PRUTHI
Date: 2019.06.25
22:20:26 +05'30'

Dr. R.K. Pruthi (IAS)
Member Secretary
For & on behalf of
(H. P. State Pollution Control Board)