



## BLDE (DEEMED TO BE UNIVERSITY)

[Declared as Deemed to be University u/s 3 of UGC Act, 1956 vide Government of India notification No. F.9-37/2007-U.3(A)]  
The Constituent College

**SHRI B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE**

Ref. NO: 620/2020-21

Date: 17-02-2021

To,

The member secretary  
Karnataka State pollution control board,  
#49 parisar bhavan  
4<sup>th</sup> and 5<sup>th</sup> floor Church Street  
BENGALURU- 560001.


Subject: Submission of Annual reports for the year 2020.

Sir,

I am submitting herewith form No: IV (See rule-13) annual report duly filled. Kindly consider the above said form and acknowledge the receipt of the same.

Thanking you,

Your Sincerely,

  
Medical Superintendent  
Medical Superintendent  
BLDE (Deemed to be University)  
Shri B. M. Patil Medical College  
Hospital & R.C., VIJAYAPUR-586103.  
Enclosed: Form No -IV.

ಸ್ವೀಕರಿಸಿದೆ  
17/02/2021  
ಕ ರಾ ಮಾ ನಿ., ಮಂ  
ಪ್ರಾ ಕ -ವಿಜಯಪುರ

Copy to:

The environment officer, KSPCB, Sy.No 490 K, Plot No: 86, Harkari Layout, Vajrahanuma Nagar  
Bagalkot Road Vijayapur.

Smt. Bangaramma Sajjan Campus, Sholapur Road, Vijayapura - 586103, Karnataka, India.

University: Phone: +91 8352-262770, Fax: +91 8352-264936, 262068 Website: www.bldeuniversity.ac.in, E-mail: bmpmc.principal@bldeuniversity.ac.in  
Hospital : Phone: +91 8352-262770, Email : bmpmh.ms@bldeuniversity.ac.in

**Form – IV**  
**(See rule13)**  
**ANNUAL REPORT**

[To be submitted to the prescribed authority on or before 30<sup>th</sup> 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)	:	Medical Superintendent Dr.Rajesh.M.Honnutagi
	(ii) Name of HCF or CBMWTF	:	B.L.D.E(DU) Shri B.M.Patil Medical College Hospital & R.C.Vijayapura
	(iii) Address for Correspondence	:	Survey No: 30/A Behind Hospital Premises , B.L.D.E(DU) Shri B.M.Patil Medical College Hospital & R.C.Vijayapura
	(iv) Address of Facility		- Do-
	(v)Tel. No, Fax. No	:	Tel No: 08352-262770 Ext: 2016 Fax No: 08352-262068
	(vi) E-mail ID	:	<a href="mailto:bmpmh.ms@bldedu.ac.in">bmpmh.ms@bldedu.ac.in</a>
	(vii) URL of Website		<a href="http://Sbmphospital.bldedu.ac.in/bio-medicalwaste.managemant/">Sbmphospital.bldedu.ac.in bio-medicalwaste.managemant/</a>
	(viii) GPS coordinates of HCF or CBMWTF		-----
	(ix) Ownership of HCF or CBMWTF	:	Private
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.:kspcb/bmw/2018-19-reg No: 156798 Date : 15-11-2018 valid up to:30-06-2021
	(xi). Status of Consents under Water Act and Air Act	:	Valid up to: 30-06-2021 Consent : No AW-301508
2.	Type of Health Care Facility	:	-
	(i) Bedded Hospital	:	No. of Beds :940 (C.F.E-1400 Beds)
	(ii) Non-bedded hospital	:	
			NA

	disposal facilities		<table><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><tr><td>Incinerators :</td><td>1No</td><td>600kg</td><td>19,150kg</td></tr><tr><td>Plasma Pyrolysis Autoclaves :</td><td>1No</td><td>29 kg</td><td>8,100 kg</td></tr><tr><td>Microwave Hydroclave Shredder :</td><td>1No</td><td>3.1kg</td><td>950 kg</td></tr><tr><td>Needle tip cutter or destroyer</td><td></td><td></td><td></td></tr><tr><td>Sharps :</td><td>4No</td><td>2.1kg</td><td>750 kg</td></tr><tr><td>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></table>	Type of treatment equipment	No of units	Capacity Kg/day	Quantity treated or disposed in kg per annum	Incinerators :	1No	600kg	19,150kg	Plasma Pyrolysis Autoclaves :	1No	29 kg	8,100 kg	Microwave Hydroclave Shredder :	1No	3.1kg	950 kg	Needle tip cutter or destroyer				Sharps :	4No	2.1kg	750 kg	encapsulation or -concrete pit				Deep burial pits:	-	-	-	Chemical disinfection:				Any other treatment equipment:			
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Chemical disinfection:																																											
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.) 1500 kg Per annum. : Blue Category 5950 Per annum.																																								
	(iv) No of vehicles used for collection and transportation of biomedical waste	:	NA																																								
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		<table><tr><th>Quantity generated</th><th>Where disposed</th></tr><tr><td>Incineration :700 KG / Per Annum (</td><td>Stored in Closed</td></tr><tr><td>Line Tank )</td><td></td></tr><tr><td>Ash</td><td></td></tr><tr><td>ETP Sludge (STP) 1500 KG / Per Annum)</td><td>( Used for complex Garden)</td></tr></table>	Quantity generated	Where disposed	Incineration :700 KG / Per Annum (	Stored in Closed	Line Tank )		Ash		ETP Sludge (STP) 1500 KG / Per Annum)	( Used for complex Garden)																														
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	(vi) Name of the Common Bio- : Medical Waste Treatment Facility Operator through which wastes are disposed of		NA																																								
	(vii) List of member HCF not handed over bio-medical waste.		NA																																								
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period																																										
7	Details trainings conducted on BMW BMW Management.		Yes (Enclosed)																																								


	(ii) number of personnel trained		980
	(iii) number of personnel trained at the time of induction		628
	(iv) number of personnel not undergone any training so far		120
	(v) whether standard manual for training is available?		Training with help of PowerPoints presentation, Hands on Training Interactive Sessions.
	(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)		NA
	(iv) Any Fatality occurred, details.		No
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?		Yes ( Monthly Meeting KSPCB Slandered )
	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?		Sewage 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)

Certified that the above report is for the period from 01-01-2020 to 31-12-2020

Date: 15-02-2021

Place: Vijayapura.

Name and Signature of the Head of the Institution

  
 Medical Superintendent  
 BLDE (Deemed to be University)  
 Shri B. M. Patil Medical College  
 Hospital & R.C., VIJAYAPUR-586103.

## Test Report

### ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name of the Station : Near ETP Plant
2. Name of the Project : M/s. BLDE.  
B.M. Patil Medical College, Hospital,  
Research Centre, District: Bijapur.
3. Sample Collected by : M/s. Environmental Health and Safety Research &  
Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 11.01.2021
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 15.01.2021
7. Sample Number : EHSRDCU2/BLDE/A/21/01/2884
8. Report to be Sent : 18.01.2021
9. Page No : 1 of 4

SI. No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
	Period of Sampling/Time	Hrs	8 09:30 am - 05:30pm	24	--
1.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	79	100	IS: 5182 (P 23)-2006
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	27	60	IS: 5182 (P 24)-2019
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	4.25	80	IS: 5182 (P2)-2001
4.	Nitrogen dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	16.65	80	IS: 5182 (P6)-2006

**INFERENCE** As per NAAQ Standards,  
Report Status: -The measured values for the above parameters are within the standards.

\*\*\*End of Report\*\*\*

  
Government Analyst

### Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka  
ಕಛೇರಿ ವಿಳಾಸ : ನಂ. ೪೫೭, ಕನಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ  
आफीस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक

See NOTE overleaf

## Test Report

### ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name of the Station : Near Generator DG Room.
2. Name of the Project : M/s. BLDE.  
B.M. Patil Medical College, Hospital,  
Research Centre, District: Bijapur.
3. Sample Collected by : M/s. Environmental Health and Safety Research &  
Development Centre Unit II, Belagavi - 590015.
4. Date of Collection : 11.01.2021
5. Particulars of Sample Collected : Ambient Air collected through  
Fine Particulate Sampler - APM 550  
Respirable Dust Sampler - 460NL
6. Date of Sample Receipt : 15.01.2021
7. Sample Number : EHSRDCU2/BLDE/A/21/01/2885
8. Report to be Sent : 18.01.2021
9. Page No : 2 of 4

Sl. No	Parameters	Unit	Results	NAAQ Standards, 2009	Protocol
	Period of Sampling/Time	Hrs	8 09:20 am -05:20pm	24	--
1.	Particulate Matter (PM <sub>10</sub> )	µg/ m <sup>3</sup>	62	100	IS: 5182 (P 23)-2006
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/ m <sup>3</sup>	21	60	IS: 5182 (P 24)-2019
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/ m <sup>3</sup>	3.69	80	IS: 5182 (P2)-2001
4.	Nitrogen dioxide (NO <sub>2</sub> )	µg/ m <sup>3</sup>	10.32	80	IS: 5182 (P6)-2006

INFERENCE	As per NAAQ Standards, Report Status: -The measured values for the above parameters are within the standards.
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\*\*\*End of Report\*\*\*

  
Government Analyst

### Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka

ಕಛೇರಿ ವಿಳಾಸ : ನಂ. ೪೫೭, ಕಣಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ

आफिस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक

See NOTE overleaf

## Test Report

### ANALYSIS REPORT FOR SOURCE EMISSION

- Stack ID : Incinerator Chimney
- Name of the Industry : M/s. BLDE.  
B.M. Patil Medical College, Hospital,  
Research Centre, District: Bijapur.
- Sample Collected by : M/s. Environmental Health and Safety Research &  
Development Centre Unit-II, Belagavi - 590 015.
- Date of Collection : 11.01.2021
- Particulars of Sample Collected : Emissions from stack collected through  
Stack Sampler VSS1
- Date of Sample Receipt : 15.01.2021
- Sample Number : EHSRDCU2/BLDE/S/21/01/2886
- Report to be Sent : 18.01.2021
- Page No : 3 of 4

### GENERAL DETAILS

Date of Monitoring	11.01.2021
Ambient Temperature (°C)	28
Stack Temperature (°C)	45
Velocity (m/s)	5.99
Diameter (m)	0.42
Cross Sectional Area in meter square (m <sup>2</sup> )	0.138
Quantity of flue gas discharged into atmosphere (Nm <sup>3</sup> /h)	2824.62
Dust Emission Rate of PM, kg/hr	0.150

### RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS: 11255, (P1)	mg/Nm <sup>3</sup>	53.28	150
Oxide of Nitrogen as NO <sub>2</sub>	IS: 11255, (P7)	mg/Nm <sup>3</sup>	13.29	50
Sulphur Dioxide as SO <sub>2</sub>	IS: 11255, (P2)	mg/Nm <sup>3</sup>	11.7	100

INFERENCE	As per KSPCB Standards, Report Status: - The measured values for above parameters are within the standards.
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\*\*\*End of Report\*\*\*

  
Government Analyst

### Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka  
ಕಛೇರಿ ವಿಳಾಸ : ನಂ. ೪೫೭, ಕಣಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ  
आफीस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक

See NOTE overleaf

## Test Report

### ANALYSIS REPORT OF EFFLUENT QUALITY

1. Name of the Location : Industry Premises, ETP Outlet.
2. Name of the Project : M/s. BLDE.  
B.M. Patil Medical College, Hospital, Research Centre,  
District: Bijapur.
3. Sample Collected by : M/s. Environmental Health and Safety Research &  
Development Centre Unit II, Belagavi-590015.
4. Date of Collection : 11.01.2021
5. Particulars of Sample Collected : Treated effluent from ETP, Grab Sampling
6. Date of Sample Receipt : 15.01.2021
7. Sample Number : EHSRDCU2/BLDE/WW/21/01/2886
8. Analysis started on : 15.01.2021
9. Analysis Completed on : 18.01.2021
10. Report to be Sent : 18.01.2021
11. Page No : 4 of 4
12. Protocol : APHA, 23<sup>rd</sup> Edition

Sl.No	Parameters	Protocol	Unit	Result	KSPCB Tolerance Limit
1.	pH	APHA 4500H <sup>+</sup> B	-	7.19	6.5-9.0
2.	Biological Oxygen Demand (3 days @27°C)	APHA 5210 B	mg/L	6.0	Not more than 10
3.	Chemical Oxygen Demand	APHA 5220 B	mg/L	40	Not more than 50
4.	Residual Chlorine	APHA 4500CIB	mg/L	BDL	Not Specified
5.	Total Suspended solids	APHA 2540 D	mg/L	10	Not more than 20
6.	Sulphate as SO <sub>4</sub>	APHA 4500-SO <sub>4</sub> <sup>2-</sup> E	mg/L	126.94	Not Specified
7.	Oil and Grease	APHA 5520 B	mg/L	BDL	Not Specified

BDL: Below Detectable Limit.

INFERENCE	As per KSPCB Tolerance Limit Standards, Report Status: - The measured values for the above parameters for those standards have been specified were observed to be within the said standards.
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\*\*\* End of report \*\*\*

  
Government Analyst

### Concern towards protecting Environment

Office Address : No. 457, Kanbargi Industrial Area, Autonagar, Belagavi - 590 015, Karnataka  
ಕಛೇರಿ ವಿಳಾಸ : ನಂ. ೪೫೭, ಕಣಬರಗಿ ಕೈಗಾರಿಕಾ ನಗರ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೫, ಕರ್ನಾಟಕ  
आफ़ीस : नो. ४५७, कनबर्गी इंडस्ट्रियल एरिया, आटोनगर, बेळगावी - ५९० ०१५, कर्नाटक

See NOTE overleaf

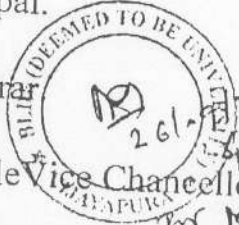
BLDE (Deemed to be University)  
Shri.B. M. Patil Medical College, Hospital and Research Centre, Bijapur.  
Date: 26.9.2020

Meeting Notice

Biomedical Waste Management Committee meeting will be held on 28.9.2020 at 4:00 P.M. in the chamber of Medical Superintendent to discuss about the activities of Biomedical Waste Management Committee. Please make it convenient to attend the meeting.

Copy to:

- The Principal.
- The Registrar
- The Hon'ble Vice Chancellor.
- The Medical Superintendent.
- All Members of the Committee.



Dr. Rashmi .M. Karigoudar  
Member Secretary  
Assistant Professor  
Department of Microbiology  
B.L.D.E. University's  
Shri B.M. Patil Medical College  
BIJAPUR-586 103

**BLDEDU's Shri. B. M. Patil Medical College, Hospital and Research Centre,  
Vijayapur - 586103.**

**Biomedical Waste Management Committee**

**Minutes of the meeting**

The Biomedical Waste Management Committee meeting was conducted on 28-09-2020 at 4:00 P.M. in the Medical Superintendent chamber.

The following members attended the meeting:-

1. Dr. Rajesh Honnutagi - Medical Superintendent – Chairman
2. Dr. Ashok Tardi Asst.- Medical Superintendent – Member
3. Dr. S. S. Nagathan - Resident Medical officer – Member
4. Dr. Vidya A Patil - Prof & Head, Dept. of Anaesthesiology - Member
5. Dr. Shailaja Patil - Prof. & Head, Dept. of Community Medicine- Member
6. Mrs. Jeyanthi. R. Nursing Superintendent – Member
7. Mr. Eknath Jadhav -Asst. Hospital Administrator
8. Mr. R. C. Kamble - ETP/Incinerator Operator – Member
9. Mr. Pramod Halli - Member
10. Operation Theatre Incharge - Member
11. Dr. Rashmi M Karigoudar - Member Secretary

- Minutes of previous meeting were read and passed.
- Discussed about the maintenance of Effluent treatment plant.
- Allotted personnel to fill sodium hypochlorite solution in cans, valve on/off timings and maintenance of the record for the same.
- Area for Installation of the new horizontal autoclave was discussed.
- Procurement of small biomedical waste bins for OPD'S and in critical areas was finalized.
- Submission of application to District Environmental officer for renewal of authorization for generation, collection, reception, storage, transportation, treatment, disposal and/or handling of biomedical waste is still under process.
- Segregation of biomedical waste in different wards is satisfactory.



Dr. Rashmi M. Karigoudar  
Member Secretary

**Assistant Professor**  
**Department of Microbiology**  
**B.L.D.E. University's**  
**Shri B.M. Patil Medical College**  
**BIJAPUR-586 103**

Copy to:

- The Chairman & all Members.
- For information to The Principal.
- For information to The Registrar.
- For information to Hon'ble Vice Chancellor.

Members:

1. Dr. Rajesh Honnutagi  
Medical Superintendent.
2. Dr. Ashok Tardi R.M.O.  
~~Asst. Medical Superintendent.~~
3. Dr. Annapurna Sajjan  
Deputy Medical Superintendent
4. Dr S. S. Nagathan  
Resident Medical Officer
5. Dr. Shailaja Patil.  
Prof. & Head, Dept. of Community Medicine.
6. Dr. Vidya A Patil  
Prof. & Head, Dept. of Anaesthesiology.
7. Mr Ramesh Kumar.  
Asst. Hospital Administrator
8. Mr. Eknath Jadhav.  
Asst. Hospital Administrator.
9. Mrs. Jeyanthi. R  
Nursing Superintendent.
10. Mr Pramod Halli  
Engineer
11. Mr. R. C. Kamble.  
ETP/Incinerator Operator.
12. Mr. Dundappa Ingale  
Housekeeping Supervisor.
13. Operation Theatre Incharge
14. Dr. Rashmi M Karigoudar  
Assistant professor

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28/9/20.  
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28.9.2020

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28/9/20