

**Form - IV
(See rule 13)
ANNUAL REPORT**

1. Particulars of the Occupier

	Particulars	
(i)	Name of the authorized person (occupier or operator of facility)	AVM Deepak Gaur, AVSM Commandant
(ii)	Name of HCF or CBMWTF	Command Hospital Air Force Command Hospital Air Force Bangalore-560007
(iii)	Address for Correspondence	Command Hospital, AF, Agram Post, Bangalore – 560007 Tele : 25369030/201 Fax No – 080/25579151
(iv)	Address of Facility	Command Hospital, AF, Agram Post, Bangalore – 560007
(v)	Tel. No, Fax. No	Tele : 25369030/201 Fax No – 080/25579151
(vi)	E-mail ID	-
(vii)	URL of Website	Nil
(viii)	GPS coordinates of HCF or CBMWTF	CBWTF-13°09'37.1"N 77,51'05.8" E
(ix)	Ownership of HCF or CBMWTF	Govt of India (Ministry Of Defence)
(x)	Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	Authorisation No:3548/DGAFMS/DG-3A dated 08 Nov 2016 valid up to 08 Nov 2019
(xi)	Status of Consents under Water Act and Air Act	Nil

2. Type of Health Care Facility

	Particulars	
(i)	Bedded Hospital	No. of Beds: 800 (laid 647)
(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	3548/DGAFMS/DG-3A dated 08 Nov 2016 valid up to 08 Nov 2019

3. Details of CBMWTF

Particulars		
(i)	(i) Number healthcare facilities covered by CBMWTF	84
(ii)	(ii) No of beds covered by CBMWTF	8000
(iii)	(iii) Installed treatment and disposal capacity of CBMWTF:	Details given as per Appendix B to Air HQ letter No Air HQ/26480/11/Med-5 dated 12 Sep 18 (attached)
(iv)	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	2.5 tons tons/day

**Appendix G to 3548/1(d)/ BMW/
DGA FMS/DG-3A Nov 2016**

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(iii)	Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	Nil		
(iv)	No of vehicles used for collection and transportation of biomedical waste	THREE		
(v)	Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		Quantity generated	Where disposed
		Incineration	Nil	Nil
		Ash	Nil	Nil
		ETP Sludge	10000 kg/Anum	Through BBMP
(vi)	Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	Anu Autoclave & Incin Service. Sy No.145/2, Gullahali Village, Sulibele Hobli, Hosakote Taluk, Bangalore Rural Dist Pin - 562122		
(vii)	List of member HCF not handed over bio-medical waste.	NIL		

6 Do you have bio-medical waste management committee? If yes, attach Minutes of the meetings held during the reporting period: **Attached**

7 Details trainings conducted on BMW

(i)	Number of trainings conducted on BMW Management	15
(ii)	Number of personnel trained	644
(iii)	Number of personnel trained at the time of induction	125
(iv)	Number of personnel not undergone any training so far	Nil
(v)	Whether standard manual for Training is available?	Yes
(vi)	Any other information	Nil

8 Details of the accident occurred during the year

(i)	Number of Accidents occurred	Nil
(ii)	Number of the persons affected	Nil
(iii)	Remedial Action taken (Please attach details if any)	Nil
(iv)	Any Fatality occurred, details.	Nil

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4. Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)

	Particulars	Quantity of waste generated or disposed in kg/per Annum
(i)	Yellow Category :	97702 Kg
(ii)	Red Category :	42471 kg
(iii)	Blue Category :	12224 kg
(iv)	White:	1825 kg
(v)	General Solid waste:	N/A

5. Details of the Storage, treatment, transportation, processing and Disposal Facility

(i)	Details of the on-site storage Facility	Size :10X12 feet closed room
		Capacity: It Can Store BMW upto 48 Hrs of daily average BMW.
		Provision of on-site storage : (cold storage or any other provision). Nil

(ii)	Disposal facilities	Type of treatment equipment	No of units	Capacity Kg/ day	Quantity Treated or disposed in kg per annum
		Incinerators	Nil	Nil	Nil
		Plasma Pyrolysis	Nil	Nil	Nil
		Autoclaves	01	20Kg/day	7300 kg
		Microwave	Nil	Nil	Nil
		Hydroclave	Nil	Nil	Nil
		Shredder	Nil	Nil	Nil
		Needle tip cutter or destroyer	124	Nil	Nil
		Sharps encapsulation or concrete pit	Nil	Nil	Nil
		Deep burial pits	Nil	Nil	Nil
		Chemical disinfection	Nil	Nil	Nil
		Any other treatment equipment:	Nil	Nil	Nil

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9. **Standards of Air monitoring**

Are you meeting the standards of air Pollution from the incinerator?

How many times in last year could not meet the standards? N/A

10 **Liquid waste**

(i)	Generated	1,82,0000 Ltr/Annum
(ii)	Treatment methods in place.	ETP
(iii)	How many times you have not met the standards in a year?	Nil

11 Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year? Nil

12. Any other relevant information: (Air Pollution Control Devices attached with the Incinerator)
Nil

Certified that the above report is for the period from 01 Jan 2018 to 31 Dec 2018

Place:

Bengaluru

Date:

28 Jan 19

Name and Signature of the
Head of the Institution

**Appendix B to Air HQ letter No Air
HQ/26480/11/Med-5 dated 12 Sep 18**

**INFORMATION FOR THE SUBMISSION OF THE INFORMATION
ON BIO MEDICAL WASTE MANAGEMENT BY THE AFHCE**

1	Name of Organisation	Command Hospital Air Force Bangalore-560007
2	Name of the Nodal Officer with contact Telephone No and email	AVM Deepak Gaur, AVSM Commandant Tele : 25369030/201 Fax No – 080/25579151
3	Total no of Health Care Facility	One
	Bedded hospitals and Nursing homes (bedded)	Bedded Hospital
	Clinics, Dispensaries	Nil
	Pathological Laboratories	One (NABL certified laboratory)
	Blood Banks	One
	Clinical Establishment	Nil
	Research Institutions	Nil
	AYUSH	Nil
4	Total No of Beds	800 beds (laid 647)
5	Status of Authorization	
	(i) Total No of Occupiers applied for authorization	N/A
	(ii) Total no of Occupiers granted authorization	One (3548/DGAFMS/DG-3A dated 08 Nov 2016 valid up to 08 Nov 2019)
	(iii) Total no of application under consideration	N/A
	(iv) Total no of applications rejected	N/A
	(v) Total no of occupiers in operation without applying for authorization	N/A
6	Quantity of Bio Medical Waste generation (In Kg /day)	
	(i) Biomedical generation by bedded hospitals (In KG /day)	422 kg/day (All category of Bio-medical waste)
	(ii) Bio medical waste generation by non bedded hospital (In KG/day)	N/A
	(iii) Any Other	Nil
	Total	422 Kg/ day (Yellow, Red, White & Blue)
7	Biomedical waste treatment and disposal	
(a)	By captive biomedical waste treatment and disposal by health care facilities (Please enclose details as per Part-3)	N/A

	(i) No of health care facilities having captive treatment and disposal facility.	N/A
	(ii) Total Bio Medical Waste treated and disposal by captive treatment and facilities in kg/day	N/A
(b)	Bio Medical Waste Treatment and Disposal by common biomedical waste treatment facilities.	
	(i) No of common bio medical waste treatment facilities in operation	One
	(ii) No of common biomedical waste treatment facilities under consideration.	N/A
	(iii) Total Bio Medical Waste treated in kg/day	422 Kg/ day
	(iv) Total treated bio medical waste disposed through authorized recyclers (in kg)	154222 kg/Annum
8	Total no of violation by	Nil
	(i)Health care facilities (bedded and non bedded)	Nil
	(ii) Common bio medical waste treatment facilities	Nil
	(iii)Others(Specific)	Nil
9	Show cause notices / direction issue to defaulters	Nil
	(i)Health care facilities (bedded and non bedded)	Nil
	(ii) Common bio medical waste treatment facilities	Nil
	(iii)Others	Nil
10	Any Other relevant information	
	(i) No of workshop by training conducted during the year	Nil
	(ii) No of occupiers installed liquid waste treatment facility	One
	(iii) Number of captive incinerators complying to the norms	Nil
	(iv) Number of occupiers organised trainings	15
	(v) Number of occupiers constituted bio-medical waste management committees	Yes (One)
	(vi) Number of occupiers submitted annual report for the previous calendar year	Yes (One)
	(vii) Number of occupiers practicing pre treatment of lab microbiology and bio-technology waste	One
	(viii) Number of common bio medical waste treatment facilities that have installed continuous online emission monitoring	Nil

Part-2: District wise Biomedical Waste Generation (for the previous calendar year 2018)

Sl no.	Name of the state/union territory	Name of the district	Biomedical waste generation(in Kg/Day)	Existing total biomedical waste treatment capacity(Both Captive and CBMWTF) in Kg/day	
-----N/A-----				Equipment	Total
				Incinerator:	N/A
				Autoclave :	N/A
				Deep burial:	N/A
				Any other:	N/A

Part 3: Information on health care facilities having captive treatment facilities (for the previous calendar year 2018)

Sl no	Name and address of the health care facility	Quantity of bio medical waste generation (in Kg/day)					Total Bio-medical waste generated(in kg/day)	Total installed treatment capacity in kg/day				Total bio medical waste treated and disposed by health care facilities in kg/day	
		Yellow	Red	Blue	White	Incinerator		Autoclave	Deep burial	Any other			
-----N/A-----												Incinerator:	
												Autoclave	
												Deep burial	
												Any other	
												Total	

Part 4: Information on Common Bio –Medical Waste Treatment Facilities (for the previous calendar year 2018)

Sl No	Name and address of the Common Bio Medical Waste Treatment Facilities with contact person name and telephone number	GPS coordinates	Name of the cities /areas covered by Common Bio Medical Waste Treatment Facilities	Total number of beds covered being covered	Total quantity of bio medical waste	Capacity of Treatment equipment installed by Common Bio Medical Waste Treatment Facilities collected from member health care facilities(In kg/day)			Total bio-Medical Waste Treated in kg/day	Method of disposal treated wastes (Incineration Ash/Sharps/ plastic)
						Equipment	Numbers	Total installed capacity (kg/day)		
1.	Anu Autoclave & Incin Service. Sy No.145/2, Gullahali Village, Sulibele Hobli, Hosakote Taluk, Bangalore Rural Dist Pin - 562122 Name- PSS Rao, Mob-8861437446, Phone- 080-41242178	13,09'37.1"N 77,51'05.8" E	East Bangalore & other part of Bangalore	8000	912.5 tons/ Annum				2.5 tons/Day	a) Incineration b) Autoclaving c) Cemented encapsulation d) Land filling
						Incinerator	02	250 kg/hr 100 kg/hr		Incineration Ash Quantity- 364 tons Disposed by. Land filling
						Plasma Pyrolysis	Nil	Nil		
						Autoclave	01	240 Ltr/Hr		Sharps Quantity - 18.2 tons/Annum Disposed by cemented encapsulation
						Hydroclave	Nil	Nil		
						Microwave	Nil	Nil		Plastics Quantity 136.5 tons/Annum Disposed by authorized recycler.
						Shredder	02	100 kg/Hr 200 kg/Hr		
						Sharps encapsulation or concrete pit	As per requirement	18.2 tons/ Annum		ETP sludge. Quantity 10 tons Disposed by land filling
						Deep burial pits	Nil	Nil		
						Any other equipment	Nil	Nil		
						Effluent Treatment Plant	01	8000 Ltr		
						Sub Total	06	-		

- (a) Total numbers of transportation vehicles used for collection of Bio-medical Waste on daily basis by the common bio-medical waste treatment facilities- **04**
- (b) List of Health care Facilities not having membership with the common Bio-medical Waste treatment facilities and neither having captive treatment facilities- **Nil**
- (c) Number of training organised by the common bio –Medical waste treatment facility operators: **24 training sessions /Year**
- (d) Number of accidents reported by the common bio-Medical waste Treatment Facilities: **NIL**