

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

15/6/17

No. F.33/BMW/2017-Estt. (H)

Dated: 13.06.2017

To

Sr. Environmental Officer
Delhi Pollution Control Committee,
Department of Environment
4th Floor, ISBT Building
Kashmere Gate, Delhi-6

Subject: Submission of Annual Report for the period Jan 2016-Dec 2016 for
Bio Medical Waste Management at AIIMS-reg.

Sir,

This is in reference to Rule -13 of Biomedical Waste Management Rules-2016 [Published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i)] by the Ministry of Environment, Forest And Climate Change Government of India vide Gazette NO. D. L.-33004/99 dated 28th March 2016, mandating institutions to submit their annual reports on or before 30th June.

In this regard, the annual report for the period of Jan 2016 to Dec 2016, duly signed by Director AIIMS (in the capacity of the 'occupier' as per the Biomedical Waste Management Rules-2016) in the prescribed format(form IV) is enclosed along with the relevant annexure.

Copy to:

Deputy Assistant Director General
Directorate General of Health Services
Ministry of Health and Family Welfare
Government of India

Dr. D.K. Sharma
Medical Superintendent

Signature of Dr. D.K. Sharma

Medical Superintendent
All India Institute of Medical Sciences
New Delhi-110029



ANNUAL REPORT

Jan 2016- Dec 2016

| Sl.No | Particulars | | |
|-------|--|---|--|
| 1. | Particulars of the Occupier | : | |
| | (i) Name of the authorized person (occupier or operator of facility) | : | Director AIIMS Prof. Randeep Guleria |
| | (ii) Name of HCF or CBMWTF | : | All India Institute of Medical Sciences (AIIMS) |
| | (iii) Address for Correspondence | : | AIIMS, Ansari Nagar, New Delhi-110029 |
| | (IV)Address of Facility | | Same as above |
| | (v)Tel. No. Fax. No. | : | 26594800 |
| | (VI) E-mail ID | : | director.aiims@gmail.com |
| | (VII)URL of Website | : | aiims.edu |
| | (VIII)GPS coordinates of HCF of CBMWTF | | N.A. |
| | (IX)Ownership of HCF of CBMWTF | | Autonomous Organization |
| | (X)Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules. | : | Authorization No DPCC/BMW/AUTH/NEW NO/2015/01511 Applied for fresh authorization wide authorization request no. DPCC/BMW/AuthorisationRequest/2017/8955(DEEMED APPROVED) |
| | (XI)Status of Consents under Water Act and Air Act. Valid up to: | : | Under process wide request no. DPCC/NMW/ORANGE/2017/55983 |
| 2. | Type of Health Care Facility | : | |
| | (i) Bedded Hospital | : | No. of Beds: 2362 |
| | (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. | : | N.A. |
| 3. | Details if 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 | : | N.A. |
| | (iv) Quantity of biomedical waste treated or disposal by CBMWTF | : | N.A. |
| 4. | Quantity of waste generated or disposed in Kg per annum (on monthly average basis) | : | Yellow category: 293870 kg/per annum(p.a.) Red Category: } White: } was designated Blue Category } as blue category during the period((Jan'16-Dec'16): 437858 kg/p.a. General Solid waste :2484000 kg/p.a. |
| 5. | Details of the Storage , treatment, transportation, processing and Disposal Facility: Handled by CBMWTF | | |
| | (i) Details of the on-site storage facility | : | Size : (99X6.5X9)X2 Capacity: 250 KG |

| | | | | | | | | | | | | | | | |
|---|--|-----------------|--|-----------------------------|----------------|--|--|-----|--|--|--|---|--|--|-------------------------------|
| | | | Provision of on-site storage : (cold storage or any other provision) | | | | | | | | | | | | |
| | (ii) Disposal Facilities | : | <table><tr><td>Type of treatment Equipment</td><td>No of Units</td><td>Capacity Kg/day</td><td>Quantity treated or disposed In Kg per Annum</td></tr><tr><td>NIL</td><td></td><td></td><td></td></tr><tr><td>Incinerators Plasma Paralysis Autoclaves Microwave Hydroclave Shredder Needle tip cutter or destroyer Sharps encapsulation or concrete pit Deep Burial pits: Chemical disinfection: Any other treatment equipment:</td><td></td><td></td><td>Handled by CBMWTF Operator</td></tr></table> | Type of treatment Equipment | No of Units | Capacity Kg/day | Quantity treated or disposed In Kg per Annum | NIL | | | | Incinerators Plasma Paralysis Autoclaves Microwave Hydroclave Shredder Needle tip cutter or destroyer Sharps encapsulation or concrete pit Deep Burial pits: Chemical disinfection: Any other treatment equipment: | | | Handled by CBMWTF Operator |
| Type of treatment Equipment | No of Units | Capacity Kg/day | Quantity treated or disposed In Kg per Annum | | | | | | | | | | | | |
| NIL | | | | | | | | | | | | | | | |
| Incinerators Plasma Paralysis Autoclaves Microwave Hydroclave Shredder Needle tip cutter or destroyer Sharps encapsulation or concrete pit Deep Burial pits: Chemical disinfection: Any other treatment equipment: | | | Handled by CBMWTF Operator | | | | | | | | | | | | |
| | (iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum. | : | Red (blue during 2016) Category (like plastic, glass etc.) Handled by CBMWTF operator | | | | | | | | | | | | |
| | (iv) No of vehicles used for collection and transportation of biomedical waste. | : | 4 Vehicles | | | | | | | | | | | | |
| | (v) Details of incineration ash and ETP sludge generated and disposal during the treatment of wastes in Kg per annum) | | <table><tr><td>Quantity Generated</td><td>Where disposal</td></tr><tr><td>Incineration Ash ETP Sludge (STP) 3650 kg/p.a</td><td>NIL used for horticulture</td></tr></table> | Quantity Generated | Where disposal | Incineration Ash ETP Sludge (STP) 3650 kg/p.a | NIL used for horticulture | | | | | | | | |
| Quantity Generated | Where disposal | | | | | | | | | | | | | | |
| Incineration Ash ETP Sludge (STP) 3650 kg/p.a | NIL used for horticulture | | | | | | | | | | | | | | |
| | (vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of | : | Biotic Waste Solutions Private limited | | | | | | | | | | | | |
| | (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. | : | Yes, minutes of meeting enclosed | | | | | | | | | | | | |
| 7. | Detail trainings conducted on BMW | | | | | | | | | | | | | | |
| | (i) Number of training conducted on BMW Management. | | 85 | | | | | | | | | | | | |
| | (ii) Number of personnel trained | | 8345 | | | | | | | | | | | | |
| | (iii) Number of personnel trained at the time of induction | | 2100 | | | | | | | | | | | | |
| | (iv) Number of personnel not undergone any training so far. | | 2300 | | | | | | | | | | | | |

| | | | |
|-----|---|--|---|
| | (v) Whether standard manual for training is available ? | | Utilizing through posters, videos & power point presentation. |
| | (vi) Any other information) | | Nil |
| 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? | | N.A. |
| | Details of Continuous online emission monitoring systems installed | | N.A. |
| 10. | Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year. | | Sewage treatment plant Standards have been met(copy of test report attached). |
| 11. | It the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year? | | N.A. |
| 12. | Any other relevant information | | N.A. |

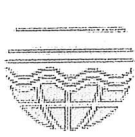
Certified that the above report is for the period from

01/01/2016 to 31/12/2016

Date: 12.06.2017
Place: New Delhi

Name and Signature of the Head of the Institution

[Signature]
12/6/17



DPCC/Comm/W/26662

Date : 01-02-2017

ANALYSIS REPORT OF WATER EFFLUENT

1. Name & Address of Ind./Unit : M/s A.I.I.M.S. HOSPITAL
Ansari Nagar East,
Delhi-110016
2. Sampling Location : Outlet of STP
3. Date of sampling : 19-01-2017
4. Sample collected by : DPCC Lab
5. Control Measure (if any) : STP
6. Nature of sample : Grab
7. Nature of Industry : Health Care Establishments having bed strength above 50 beds and
connected or not connected to Sewer and with boiler
8. Parameters analyzed and results:

| S.No. | Parameters | OUTLET OF STP | Prescribed Standard |
|-------|--|---------------|---------------------|
| 1 | pH | 7.6 | 6.5-9 |
| 1 | Total Suspended Solids (TSS) | 36 | 100 |
| 1 | Oil and Grease | 1.2 | 10 |
| 1 | Bio-chemical oxygen demand [3days at 27°C] | 32 | 30 |
| 1 | COD | 96 | 250 |
| 1 | Bio - assay test (percent survival of fish after 96 hours in 100 percent effluent) | 80 | 90-100 |

All the parameters are in mg/l except pH value.

SR. SCIENTIST

SR. SCIENTIFIC ASSISTANT

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI 110029

F.No. 159 /MS/RPC/2016

Dated: 16.05 .2016

Sub: Minutes of the Meeting regarding Key Result Area 5: Waste Management related to Clean and Green AIIMS held on 06 May 2016 at 4:00 pm, Board Room at the Dr R P Centre.

A meeting was held under the chairmanship of Dr Shakti Kumar Gupta, Medical Superintendent, Dr RP Centre on 06.05.2016 at 4 pm in the Board Room, M.S. office to review & monitor the progress of various terms of reference under the key result area 5: Waste Management, Clean and Green AIIMS.

The following officials attended the meeting

| SN | Name | Designation |
|----|----------------------------|--|
| 1 | Dr Arti Kapil | Professor, Dept of Microbiology |
| 2 | Dr P Kumar | Asst. Professor Hospital Administration. |
| 3 | Dr. Tej Wundavalli | Senior Resident Administrator |
| 4 | Mr Narendar Kumar | Store Officer |
| 5 | Ms Suman R Kashyap | DNS and I/c Infection control, Main Hospital |
| 6 | Mrs Hanumati Devi | DNS and I/c Infection control, Dr RP Centre |
| 7 | Mrs Hasi Rani Sengupta | DNS (CTVS) |
| 8 | Mrs Ramani Babu | Sister Grade 1 and I/c Infection control, CTVS |
| 9 | Mrs Abhilasha Sharma | Sr Grade 1 and and I/c Infection control, Dr RP Centre |
| 10 | Mrs Elpreda.M. Victor | Sr Grade 1 HR and I/c Infection control, main hospital |
| 11 | Mrs M R. Evangelin Vasanth | Sr Grade 1 and I/c Infection control, main hospital |
| 12 | Mr Bijith Vishnu BS | Sr Grade II |
| 13 | Ms Aishwarya RL Gupta | Sr Grade II and Infection Control Nurse, IRCH |
| 14 | Mrs Sonu Rani | Sr Grade I |
| 15 | Mr Pardeep Kumar | Sr Sanitation Officer |
| 16 | Mr Surendra Pal | Sanitation officer |
| 17 | Mr Pintu Banerjee | Sanitation Inspector |
| 18 | Mr Shailendra Kumar | Sanitation Inspector |
| 19 | Mr Gulshan Bhanot | Sanitation Inspector |
| 20 | Dr Parmeet Kaur | Dietician |
| 21 | Ms Vasundhara Singh | Assistant Dietician |
| 22 | Mr Mohit Kanojia | Representative of M/s Biotic Waste Solutions Pvt Ltd |

this regard, the Chairperson desired that the samples may be presented to all the members in the next meeting.

Action: Store Officer.

8. It was also decided that new posters would be required on a priority basis in all areas of the hospital. New posters may be designed taking the inputs of the CMET.

Action: Dr P Kumar and CMET.

9. Website: As desired in the new guidelines, all information and reports are to be made available on the AIIMS website.

Action: in co-ordination with Computer Facility

This is issued with the concurrence of Medical Superintendent, Dr RP Centre.



Dr Tej Wundavalli
MEMBER SECRETARY

Distribution: as above.

Copy to:

1. Director, AIIMS
2. Deputy Director, AIIMS
- ✓ 3. Dr D K Sharma, MS, AIIMS.
4. SE, AIIMS
5. Officer I/c, CMET
6. Officer I/c, Computer Facility
7. Chief dietician
8. All stores officers of main hospital and all centres.
9. Biotic waste solutions Pvt Ltd

Cc to PS to MS, Dr RP Centre

60
D. P. Kumar
18/1/15
Ravi Singh

LRA

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI 110029

F.No. 159 /MS/RPC/2016

Dated: 04.10.2016

Sub: Minutes of the Meeting regarding Key Result Area 5: Waste Management related to Clean and Green AIIMS held on 04 October 2016 at 4:00 pm, Board Room at the Dr R P Centre.

A meeting was held under the chairmanship of Dr Shakti Kumar Gupta, Medical Superintendent, Dr RP Centre on 04.10.2016 at 4 pm in the Board Room, M.S. office to review & monitor the progress of various terms of reference under the key result area 5: Waste Management, Clean and Green AIIMS.

The following officials attended the meeting

| SN | Name | Designation |
|----|------------------------|--|
| 1 | Dr Amit Lathwal | Asst. Professor Hospital Administration. |
| 2 | Dr P Kumar | Asst. Professor Hospital Administration. |
| 3 | Dr. Tej Wundavalli | Senior Resident Administrator |
| 4 | Dr Ruchi Garg | Senior Resident Administrator |
| 5 | Mr Pradeep Gupta | Senior Store Officer |
| 6 | Er Bhasker | EE (Civil) |
| 7 | Er BS Chauhan | AE (Electrical) |
| 8 | Mr Narendar Kumar | Store Officer |
| 9 | Mr Manohar Arya | Store Officer |
| 10 | Mr M L Arya | Store Officer, CDER |
| 11 | Ms Suman R Kashyap | DNS and I/c Infection control, Main Hospital |
| 12 | Mrs Hanumati Devi | DNS and I/c Infection control, Dr RP Centre |
| 13 | Mrs Abhilasha Sharma | Sr Grade 1 and I/c Infection control, Dr RP Centre |
| 14 | Mrs Ramani Babu | Sister Grade 1 and I/c Infection control, CTVS |
| 15 | Ms Anniamma Benny | Sister Grade 1 and I/c Infection control, CTVS |
| 16 | Mrs Elfrieda.M.Victor | Sr Grade 1 HR and I/c Infection control, main hospital |
| 17 | Mrs Srinithya Raghavan | Sr Grade 1 and I/c Infection control, main hospital |
| 18 | Mrs Vanmala R P | Sister Grade 1 and I/c Infection control, NSC |
| 19 | Mr Bijith Vishnu BS | Sr Grade II , NSC |
| 20 | Mr Amit Kumar Gupta | Sr Grade I, JPNATC |
| 21 | Mrs Sonu Rani | Sr Grade I, JPNATC |
| 22 | Mrs Geeta Pandey | Sr Grade I, JPNATC |
| 23 | Mrs Th Asanai Agnes | Sr Grade I, Dr BRA IRCH |
| 24 | Mr Dennis Victor | Sr Grade I, Main Hospital |

Immunization of staff
The chairperson also instructed the representative of the CBWTF, M/s Biotic Waste Solutions Pvt Ltd that their staff have to be immunized with hepatitis B and TT without fail. The same should be provided in writing to the office of the Medical Superintendent and that payment would be withheld in case of non-compliance. It was informed by the representative of M/s Biotic Waste Solutions Pvt Ltd that around 21 staff have been immunised with Hep B vaccine. A register is being maintained for the same. It was desired that all the staff are immunized and the same may be put up to the Officer I/c , Sanitation and Housekeeping.

Action: M/s Biotic Waste Solutions Pvt Ltd.

4. Bar coding of waste bags

The new rules have also included the component of bar coding on all the waste bags. This issue was discussed and decided that although the rules ambiguously place the responsibility with the occupier and the operator, in case of AIIMS, since the bags are being procured by the same operator i.e. Biotic Waste Solutions, bar coding would be done by the operator. It was informed by Dr P Kumar that the operator had agreed to the same, but informed that it would be done in a phased manner. **Action: Biotic Waste Solutions Pvt Ltd.**

5. Website

It was clarified that DPCC and CPCB officials had informed that no separate BMW website was required if the institute already had an independent website. Therefore, it was decided that in AIIMS, a drop down box in an appropriate location within AIIMS website would be created after discussing with Computer Facility. The content of the website would be deliberated subsequently. **Action: Computer Facility and Dr P Kumar.**

6. Retention of records

The new rules mandate that all records need to be maintained for a period of five years. This would include annual reports, monthly reports, training reports, immunization records and accident reports. Of these, the rules mandate uploading of annual reports, monthly reports, training reports and immunization reports. The same would be complied with.

Action: CF, Dr P Kumar, Sanitation officers of all centres.

7. Transition from old to new rules

Procurement: It was informed that the appropriate coloured bags and bins already have been procured. The transition was subject to procurement of needle destroyers.

8. Needle destroyers

In view of the fact that all sharps have to be collected in puncture proof, leak proof, tamper proof containers, it was decided that the various options available in the market should be explored and decisions may be taken based on both cost and effectiveness. In this regard, it was informed by the Store Officer, Main hospital, that a presentation was

F.No.33/2016/Estt.(H)

Dated: 19th July, 2016

Subject: Constitution of Biomedical Waste Management Committee at AIIMS as per the Biomedical Waste Management Rules, 2016.

Pursuant to the notification of the Biomedical Waste Management Rules 2016, vide gazette notification dated 28th March, 2016 and in compliance to Section 4 (r) of the rules, the Biomedical Waste Management Committee at AIIMS has been constituted with the approval of the Director AIIMS. The committee comprises of the following members:

| | | |
|-----|--|------------------|
| 1. | Dr.D.K. Sharma, Medical Superintendent | Chairperson |
| 2. | Medical Superintendent, Dr.R.P. Centre | Member |
| 3. | Addl. Medical Superintendent, Dr.BRAIRCH | Member |
| 4. | Addl. Medical Superintendent, CNC | Member |
| 5. | Addl. Medical Superintendent, JPNATC | Member |
| 6. | Addl. Medical Superintendent, CDER | Member |
| 7. | Faculty Incharge, NDDTC | Member |
| 8. | Dr.Arati Kapil, Professor, Deptt. of Microbiology | Member |
| 9. | Dr.Purva Mathur, Addl. Professor, Deptt. of Lab Medicine | Member |
| 10. | Superintendent Engineer | Member |
| 11. | Chief Nursing Officer | Member |
| 12. | Executive Engineer (Electrical) | Member |
| 13. | Nursing Superintendent/DNS In charge | Member |
| 14. | Representative from the Infection Control Nurse, Main Hospital & Centres | Member |
| 15. | Store Officer (D.O.) | Member |
| 16. | Store Officer (Main) | Member |
| 17. | Senior Sanitation Officer | Member |
| 18. | Sanitation Officers, Main Hospital & Centres | Member |
| 19. | Dr.P.Kumar, Officer In charge, Sanitation | Member Secretary |
| 20. | Senior Resident, Hosp. Admin.(Sanitation) | Observer |


(Dr. Parmeshwar Kumar)
Assistant Professor
Department of Hospital Administration

Distribution:

- o As above
- o Chiefs of Centres
- o All Heads of Departments
- o P.S. to Director, AIIMS
- o P.S. to DD (A)
- o P.S. to Dean
- o P.S. to the Medical Superintendent, AIIMS
- o P.S. to Sr.FA
- o Chief Administrative Officer