

**Minutes of the meeting to review Bio-Medical Waste Management System in Government Hospitals attached to Medical Colleges.**

A meeting was organized under the chairmanship of Dy. Secretary Medical Education on **19<sup>th</sup> June 2018 at 11.00 AM** in conference hall of Directorate of Medical education to review the status of Bio-Medical Waste Management in Medical College attached Government Hospitals of the State. The FA Medical Education, OSD Medical Education and Principals and Controller Medical Colleges, Nodal Officers Bio-Medical Waste Management attached hospital were present in the meeting.

Discussions were held on the present status of the Medical College attached Hospitals regarding Bio-Medical Waste Management Rules 2016 &18. Instructions were issued that all hospitals should follow the prescribed guidelines for waste management, segregation and disposal. The issues pertaining to the problems in getting Authorization under Pollution Control Board were discussed in detail. The status of hospital about Sewerage Treatment Plants (STP)/Effluent Treatment Plants (ETP), segregation of waste and disposal methods was discussed in detail. Following decisions were taken after detailed discussion:

**A. J.L.N. Medical College and attached Hospitals Ajmer:**

1. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. To procure and arrange foot operated bins/containers from the available budget. ( BMW Management Rules Sch.I Rule-8)
  - b. Ensure Transportation of Waste in Colour-coded containers.
  - c. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the Directorate of Medical Education (Sch.1, Cat. Yellow (f) urgently at the earliest.
  - d. Immunization of health care workers on Hepatitis B is to be ensured ( BMW Management Rules Sch .I Rule-4(h))
  - e. Annual Reports for BMW to be submitted regularly ( Rule 13)
  - f. Separate web-link is to be established and timely updation is to be ensured ( Rule 4 (p))
  - g. Bar-coding and GPS system is to be ensured ( Rule 4(i))
  - h. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. All clearances (NOC for Air, water and ground water clearances) necessary for the Authorization shall be completed. Principal informed that presently the tube wells were being used for obtaining water and hence the NOC is not being given by the ground water Department for this Bisalpur dam drinking water scheme connections are in process. For this necessary action is to be ensured.

**B. SMS Medical College and attached Hospitals Jaipur:**

1. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. To procure and arrange foot operated bins/containers from the available budget. ( BMW Management Rules Sch.I Rule-8). It was informed that the tenders have been floated. Tender process is to be accomplished with in stipulated time period.
  - b. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the Directorate of Medical Education (Sch.1, Cat. Yellow (f) urgently at the earliest.

  
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- c. Immunization of health care workers on Hepatitis B is to be ensured (BMW Management Rules Sch. I Rule-4(h)) for this it was discussed in the meeting that PMC to communicate with PD Immunization Medical and Health Department.
- d. Annual Reports for BMW to be submitted regularly (Rule 13).
- e. Separate web-link is to be established and timely updation is to be ensured ( Rule 4 (p))
- f. Bar-coding and GPS system is to be ensured ( Rule 4(i))
- g. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. Bani Park, Sethi Colony satellite hospital, TB & Chest Hospital, Infectious Disease Hospital, have already obtained Authorization Certificate. For remaining hospitals all clearances (NOC for Air, water and ground water clearances) necessary for the Authorization shall be completed.
- h. Nodal officer of Mahila Chikitsaalaya Sanganeri Gate Hospital informed that stack height of DG set (under Schedule-II (C)) is not adequate hence it was directed to increase the height as per rule.

**C. S.N. Medical College and attached Hospitals Jodhpur:**

1. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. To procure and arrange foot operated bins/containers from the available budget. (BMW Management Rules Sch.I Rule-8). PMC has not issued tender hence directed to issue tenders at the earliest.
  - b. Ensure Transportation of Waste in Colour-coded containers.
  - c. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the Directorate of Medical Education (Sch.1, Cat. Yellow (f) urgently at the earliest.
  - d. Immunization of health care workers on Hepatitis B is to be ensured ( BMW Management Rules Sch. I Rule-4(h)). Supervision of Common Bio-Medical Waste Treatment Facility (CBMWTF) to be ensured by the Hospital administration and send compliance report.
  - e. Annual Reports for BMW to be submitted regularly ( Rule 13)
  - f. Separate web-link is to be established and timely updation is to be ensured ( Rule 4 (p))
  - g. Bar-coding and GPS system is to be ensured ( Rule 4(i))
  - h. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. All clearances (NOC for Air, water and ground water clearances) necessary for the Authorization shall be completed. Principal informed that presently the tube wells were being used for obtaining water and in MDM and TB& Chest Hospital hence the NOC is not being given by the ground water Department for this the drinking water scheme connections is in process. For this necessary action is to be ensured.
  - i. Stack height of DG set (under Schedule-II (C)) is not adequate hence it was directed to increase the height as per rule.

**D. Government Medical College and attached Hospitals Kota:**

1. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. To procure and arrange foot operated bins/containers from the available budget. ( BMW Management Rules Sch.I Rule-8)
  - b. Ensure Transportation of Waste in Colour-coded containers.
  - c. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the

  
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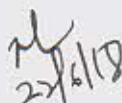
Directorate of Medical Education (Sch.1. Cat. Yellow (f) urgently at the earliest.

- d. Immunization and Health check-up of health care workers on Hepatitis B is to be ensured ( BMW Management Rules Sch .I Rule-4(h))
- e. Annual Reports for BMW to be submitted regularly ( Rule 13)
- f. Separate web-link is to be established and timely updation is to be ensured ( Rule 4 (p))
- g. Bar-coding and GPS system is to be ensured ( Rule 4(i))
- h. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. All clearances (NOC for Air, water and ground water clearances) necessary for the Authorization shall be completed.
- i. The Process of waste collection is being done but the Company providing Common Bio-Medical Waste Treatment Facility (CBMWTF) has not entered in to agreement with the medical college hospitals. The Principal was instructed to execute agreement with the company in consultation with District Administration and Commissioner Municipal Corporation Kota.
- j. Supervision by Hospital administration is lacking (Rule 5 (k)) which is to be ensured on priority basis.
- k. Complying with reporting of accidents and sharp injury was also not done which is to be ensured by the hospital administration.
- l. Nodal Officer MBS hospital told that due to increase in number of beds there is a need for revision of authorization certificate. It was instructed to undertake activities to revise the certificate at the earliest.
- m. The compliance regarding use of occupational safety equipments is also waited which is to be done on priority.
- n. Stack height of DG set (under Schedule-II (C)) is not adequate hence it was directed to increase the height as per rule.

**E. S.P. Medical College and attached Hospitals Bikaner :**

2. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. To procure and arrange foot operated bins/containers from the available budget. (BMW Management Rules Sch.I Rule-8). Temporary storage is also to be made for it)
  - b. Log book is not being maintained which needs to be done.
  - c. Ensure Transportation of Waste in Colour-coded containers.
  - d. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the Directorate of Medical Education (Sch.1, Cat. Yellow (f) urgently at the earliest. It was directed that a decision shall be taken to decided making ETP/STP in a integrated manner or separate for each hospital at the earliest.
  - e. Immunization and health check-up of health care workers on Hepatitis B is to be ensured ( BMW Management Rules Sch .I Rule-4(h)). Record of immunization and health check - ups shall be maintained (Rule 4(h) )
  - f. Separate web-link is to be established and timely updation is to be ensured ( Rule 4 (p))
  - g. Bar-coding and GPS system is to be ensured ( Rule 4(i))
  - h. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. All clearances (NOC for Air, water clearances) necessary for the Authorization shall be completed.
  - i. Stack height of DG set (under Schedule-II (C)) is not adequate hence it was directed to increase the height as per rule.

**F. Medical College and attached Hospitals Jhalawar :**

  
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3. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. Ensure Transportation of Waste in Colour-coded containers (Sch.1 Rule 8).
  - b. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the Directorate of Medical Education (Sch.1, Cat. Yellow (f) urgently at the earliest.
  - c. Supervision of CBMWTF is not being done which is to be ensured (Rule 5(k))
  - d. Immunization and health check-up of health care workers on Hepatitis B is to be ensured ( BMW Management Rules Sch .I Rule-4(h)). Record of immunization and health check - ups shall be maintained (Rule 4(h) )
  - e. Annual Reports for BMW to be submitted regularly ( Rule 13)
  - f. Separate web-link is to be established and timely updation is to be ensured ( Rule 4 (p))
  - g. Bar-coding and GPS system is to be ensured ( Rule 4(i))
  - h. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. All clearances (NOC for Air, Ground water clearances) necessary for the Authorization shall be completed.
  - i. Stack height of DG set (under Schedule-II (C)) is not adequate hence it was directed to increase the height as per rule.

**G. RUHS Medical College and attached Hospitals Jaipur :**

4. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the Directorate of Medical Education (Sch.1, Cat. Yellow (f) urgently at the earliest. It was directed that a decision shall be taken to decided making ETP/STP in a integrated manner or separate for each hospital at the earliest.
  - b. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. All clearances (NOC for Air, water clearances) necessary for the Authorization shall be completed.
  - c. Nodal Officer stated that in Attached Hospital Jaipuria bar-coding and GPS is being used so regarding this and essential parameters a detailed report regarding the compliance is to be obtained at the earliest.

**H. R.N.T. Medical College and attached Hospitals Udupur:**

2. Principal and Controller Medical College to ensure the action on following points (where the deficiencies have been pointed out as per the report).
  - a. To procure and arrange foot operated bins/containers from the available budget. ( BMW Management Rules Sch.I Rule-8)
  - b. Ensure Transportation of Waste in Colour-coded containers.
  - c. Prepare required infrastructure for Effluent liquid and establish BMW Treatment ETP/STP. The Budget proposals are to be sent to the Directorate of Medical Education (Sch.1, Cat. Yellow (f) urgently at the earliest.
  - d. Immunization and Health check-up of health care workers on Hepatitis B is to be ensured ( BMW Management Rules Sch .I Rule-4(h))
  - e. Annual Reports for BMW to be submitted regularly ( Rule 13)
  - f. Separate web-link is to be established and timely updation is to be ensured ( Rule 4 (p))
  - g. Bar-coding and GPS system is to be ensured ( Rule 4(i))

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- h. Authorization Certificate from Pollution Control Board is to be obtained (Rule 10) at the earliest. All clearances (NOC for Air, water and ground water clearances) necessary for the Authorization shall be completed.
- i. Supervision by Hospital administration is lacking (Rule 5 (k)) which is to be ensured on priority basis.
- j. Complying with reporting of accidents and sharp injury was also not done which is to be ensured by the hospital administration.
- k. Stack height of DG set (under Schedule-II (C)) is not adequate hence it was directed to increase the height as per rule.

It was directed that all Principal and Controller Medical Colleges should send updated compliance report on provisions of implementation of Bio0-Medical Waste Management Rules 2016/18 within 5 days positively.

Meeting ended with the vote of thanks to the chair.

  
22/6/18  
(Bhagwat Singh)

Dy. Secretary to the Government


Government of Rajasthan  
Department of Medical Education

F.24 (102)/ME/Gr-1/2015

Dated:

Copy to:

1. PS to the Hon'ble Minister Medical, Health, and Medical Education.
2. PS to the Additional Chief Secretary Medical and Health
3. PS to the Principal Secretary Medical Education
4. Dy. Secretary Medical Education.
5. Director, Public Health
6. OSD Medical Education
7. Additional Director Medical Education/Administration
8. Principal Medical College  
Jaipur/Ajmer/Jodhpur/Bikaner/Udaipur/Kota/Jhalawar/RUHS/
9. Guard-File

  
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Dy. Secretary to the Government