# MUNICIPAL SOLID WASTES
# (Management & Handling) Rules, 2000

## { ANNUAL REPORT }
## (2001-2002)

**{ Annual Report prepared in compliance to the provision 8(2) of the Rules}**


**CENTRAL POLLUTION CONTROL BOARD**
**(Ministry of Environment & Forests)**
**Parivesh Bhawan, East Arjun Nagar,**
**DELHI-110 032**

# ANNUAL REPORT

# ON

# IMPLEMENTATION OF MSW RULES

**CENTRAL POLLUTION CONTROL BOARD**

( 2002-03)

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# IMPLEMENTATION OF MUNICIPAL SOLID WASTES (MANAGEMENT AND HANDLING) RULES, 2000

## ANNUAL REPORT- 2001-2002

## 1. INTRODUCTION

Municipal Solid Wastes (Management and Handling) Rules, 2000 are being implemented by the municipal authorities as these authorities are responsible for management of municipal solid waste (MSW). The Rules are in force from September, 2000. Local bodies are required to ensure that solid waste generated in city/town is managed in accordance with the provisions of the Rule relating to collection, segregation, storage, transportation, processing and disposal. Central Pollution Control Board (CPCB) during the reporting year interacted with State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs) in union territories and provided feed-back on various aspects of the Rule. SPCBs/PCCs persuaded local bodies to seek authorizations and formulate action plan for management of solid waste.

## 2. ANNUAL REPORT 2001-2002

As per the Rule 8(2), CPCB is required to prepare the consolidated annual review report on management of MSW and forward it to the Central Government (Ministry of Environment and Forests-MoEF) along with the recommendations before the 15th of December of every year. Submissions of Annual Report by CPCB to the Central Government is based on:

(i) Submission of annual report by the municipal authorities to the Secretary-in charge/ District Magistrates which is to be done before the 30th day of June and copy of the annual report to SPCB/PCC in Form II.

(ii) State Board/ Committee to prepare and submit to CPCB an annual report with regard to the implementation of Rules by the 15th September in form IV.

## 3. RESPONSE OF SPCBs/ PCCs

SPCBs/PCCs have furnished the requisite information to CPCB on status of implementation of MSW Rules in their State/UT. However, information received from some of the State Board is not in the format as suggested in the Rules (Form IV). CPCB has studied the reports received and status of implementation is presented in the present Annual Report, 2001-2002

## 4. IMPLEMENTATION SCHEDULES

Municipal Solid Wastes (Management and Handling) Rules, 2000 contain four schedules and these are required to be complied with by the local bodies. The schedules relate to;

(i) Schedule-I

| S.No | Compliance criteria | Schedule |
|---|---|---|
| 1 | Setting up of waste processing and disposal facilities | By 31.12.2003 or earlier |
| 2 | Monitoring the performance of waste processing and disposal facilities | Once in six month |
| 3 | Improvement of existing landfill sites as per provisions of these rules | By 31.12.2001 or earlier |
| 4 | Identification of landfill sites for future uses and making site (s) ready for operation | By 31.12.2002 or earlier |

(ii) Schedule - II

The Schedule-II prescribes criteria to be followed by the local bodies relating to collection, segregation, storage, transportation, processing and disposal of MSW.

(iii) Schedule-III

Schedule-III lays specifications for selection of landfill sites and operation of landfilling.

(iii) Schedule-IV

The Schedule IV relates to the standards and guidelines to be followed for setting up and operation of waste processing plants

## 5. REVIEW OF IMPLEMENTATION STATUS

Status of implementation of MSW during 2001-02 has been reviewed based on the feed-back provided by SPCBs and PCCs. The implementation status has been reviewed in respect of seeking of 'authorisations' by local bodies from SPCBs which is required under the provision 4(2) of the Rules and compliance with the four Schedules ( I to IV). Abstract of information (state wise is given in the *Annexure-I. The status of implementation of various provisions of the Rule is summarized as under;*

### 5.1 AUTHORIZATIONS

It has been observed that local bodies by and large have not applied with SPCBs/PCCs for seeking authorizations. However, in some of the States, a few local bodies have applied but, SPCBs could not grant authorizations as these local bodies have not furnished requisite plans for management of MSW. The information provided by SPCBs on receipt and grant of authorizations is given at *Annexure-II. Since, local bodies are not fully prepared to implement the Rules and probably they should not be considered as defaulters, could be the reason for not applying for authorizations. However, it may be considered that issuance of 'Authorisation' is a system under which SPCBs and local bodies are to work out action plan for management of MSW for the city/ town. Unless, all the local bodies in the State/UT apply and obtain authorization, it will be difficult to have overall status of implementation of MSW Rules.*

## 5.2 COMPLIANCE WITH SCHEDULE-I

As per Schedule-I of the Rule, local bodies are required to set up waste processing and disposal facilities and undertaking improvement of existing landfill sites before December 31, 2003. It has been observed that Schedule-I has not been complied with by majority of the local bodies. However, some initiatives have been taken in States/UTs to prepare a State Policy on setting up of waste processing facilities particularly in Class I cities and Class II towns. However, some initiatives have been taken in States/UTs to prepare a State Policy on setting up of waste processing facilities particularly in Class I cities and Class II towns. In some of the States, a few local bodies have set up waste processing plants which include composting. At selected places, waste to energy and Refused device fuel (RDF) plants are set up.

As regard waste disposal, local besides are finding difficult to identify suitable sites for waste disposal. Further, undertaking improvement in the existing landfill sites has also not been taken up. However, State govts/SPCBs have constituted site clearance committees to clear the identified sites as required under the Rules. In many states, land belongs to State Development or revenue authorities and acquisition of land takes long time.

## 5.3 COMPLIANCE WITH SCHEDULE-II

Schedule-II lays the guidelines to be followed by the local bodies relating to collection, segregation, storage and transportation of waste. Many local bodies have taken steps to undertake collection of waste on house-to-house basis. Through awareness programmes, segregation of waste has also been attempted. Efforts have been made to seek participation of NGOs and private companies for organizing proper collection, storage and transportation of waste. However, such efforts are made only in a few cities/ towns. Local bodies would need persuation to prepare action plans for organizing collection, segregation and storage of waste.

## 5.4 COMPLIANCE WITH SCHEDULE –III

Involvement of high cost and non availability of technical assistance to local bodies could not ensure undertaking of improvement of existing landfill sites and preparing new landfill sites for future use. None of the landfill site in the country is being operated as per Schedule-III of the Rules. Majority of the waste disposal sites are open dumps. Bigger cities (metro cities and Class I cities) are finding difficulty in getting suitable sites for waste disposal.

## 5.5 COMPLIANCE WITH SCHEDULE-IV

A few processing plants have been set up and these are mostly on composting. At one or two places, waste to energy and RDF plants are set up. Setting up of waste processing plant would need significant expenditure to be incurred by local body. Due to shortage of funds, such plants could not be set up by the local body. Therefore, involvement of private entrepreneur will be appropriate and local bodies may provide land on long lease and appropriate administrative support.

## 6.0 CONSTRAINTS IN IMPLEMENTATION OF RULES

Attempts were made to identify the constraints faced by the local bodies in implementation of the Rules. SPCBs/PCCs interacted with the local bodies and other concerned agencies and following points have been expressed ;

- Municipalities do not have designated waste disposal sites and issuing authorizations to unorganized disposal of waste is not possible.

- Non availability of adequate government land for setting up of waste processing and disposal facilities. Revenue/ Development authorities are the owners of the land and acquisition of land by municipality is a time taking process.

- Local bodies do not have separate Cell to deal with implementation aspects of MSW Rules.

- Lack of adequate funds to undertake management of MSW as per the Rules.

- Lack of exposure to select appropriate waste processing and disposal technologies.

## 7.0 ISSUES EMERGED

Based on the review of status of implementation of the Rule, the issues emerged out for considerations are as under :

| | ISSUES | OBSERVATIONS |
|---|---|---|
| 1 | 4(2) Authorizations- Application by local bodies | • Local bodies are not applying for authorizations to SPCBs/PCCs<br>• Since, local bodies are not setting the processing plants by themselves and also not taken steps to improve existing landfill sites, with these reasons they have not applied for authorization.<br>• Local bodies appears to have apprehension that applying for authorization and issuance of authorization with stipulated conditions will be difficult for compliance. |
| 2 | 4(4) Furnishing Annual Report by local bodies | • Most of the local bodies are not furnishing annual report to the State government/ SPCBs in Form-II.<br>• The reason for not furnishing the Annual report may be due to non-existence of mechanism through which local bodies |

| | ISSUES | OBSERVATIONS |
|---|---|---|
| | | could be periodically persuaded for furnishing the requisite information. |
| 3 | 5(1 & 2) Responsibility of State Governments | • In States and UTs, Secretary-in-Charge of Urban Development Department are appropriately monitoring the implementation of the Rules. However, involvement of District Magistrates or Deputy Commissioners could not be noticed. |
| 4. | 6(1) Monitoring compliance- SPCBs | • A few SPCBs/PCCs have taken initiatives to monitor water and air quality. SPCBs/ PCCs are required to strengthen laboratory facilities to undertake monitoring work. |
| | 8 Annual Report- SPCBs | • SPCBs are dependent on the Annual reports to be furnished by local bodies to SPCBs. In want of such reports, SPCBs are not able to forward consolidated report to CPCB. |
| | Schedule-I (Implementation schedule) | • Implementation of Schedule-I could not be complied with.<br>• Schedule-I needs to be reviewed for taking future course of action. |
| | Schedule-II | • Local bodies are yet to comply with Schedule-II particularly relating to collection, segregation, storage and transportation of waste. |
| | Schedule-III Operation of landfill sites | • State Development Authorities have not yet identified sites for future use.<br>• Existing landfill sites are not being improved as per the provisions of the Rules. |
| | Schedule-IV Waste Processing | • The process of setting up of waste processing facilities needs to be expedited.<br>• State governments are to frame state-specific policy to set up waste processing plants. |

## 8.0 ACTIONS TAKEN BY CPCB AND MoEF

- CPCB during the last two years (after the notification of the Rules) interacted with SPCBs/ PCCs and provided feed-back on various aspects relating to the implementation of the Rules. (An abstract of the communications made with SPCBs/PCCs may be referred at Annexure-III).

- Ministry of Environment and Forests (MoEF) provided financial assistance to all SPCBs (except Goa) for strengthening of infrastructure for implementation of the Rules.

- CPCB participated in some of the interactive meetings organized by SPCBs for creating awareness amongst local bodies for implementation of Rules.

- CPCB prepared an action plan for management of MSW and has requested SPCBs/PCCs to formulate city/town-specific action plan based on the guidelines suggested in the Action Plan. SPCBs/PCCs have been asked to prepare action plan for Class I cities and Class II towns in the State and for smaller towns in case of North-eastern States and UTs.

- CPCB has brought out reference (indicative) guidelines for the assistance of local bodies relating to waste processing and disposal.

- During 2003, guidelines relating to application of compost on agriculture crops and undertaking various steps for implementation of MSW Rules (a manual) will be brought out.

- Studies relating to health of conservancy staff, estimation of methane flux from the landfill sites and assessment of status of solid waste management in metro cities and State Capitals has been taken up.

## 9.0 DEMO (MODEL) FACILITIES

CPCB has moved a proposal with MoEF for setting up of Model facilities for demonstrating provisions of the Rules in each State/UT. Such model facility will help other local body in the Sate to replicate it. During 2002-03, an attempt has been made to set up such facility at North Dum-Dum and New Barrackpore in West Bengal and Chandigarh(UT). SPCBs/ PCCs have been asked to select one town in the State and get the detailed project report (DPR) prepared to set up such facilities. It is proposed to refer DPRs to MoEF for consideration. The towns proposed by SPCBs so far are;

| State/UT | Town |
|---|---|
| Karnataka | Hubli- Dharwad |
| Chhatisgarh | Bilaspur |
| Kerala | Kozhikode/ Alappuzha |
| Haryana | Yamuna Nagar/Jagadhari |
| West Bengal | North Dum and New Barrackapore |
| Chandigarh UT | Chandigarh |
| Jammu & Srinagar | Jammu |

## 10.0 SUGGESTONS/RECOMMENDATIONS FOR IMPLEMENTATION OF THE RULES

To facilitate/expedite implementation of Municipal Solid Wastes (Management and Handling) Rules, 2000, the following recommendations are placed for consideration of MoEF :

(i) Letter from Secretary (E&F) to Secretaries (E&F) of State governments/ UT administrations to expedite actions on various aspects of the Rules for implementation.

(ii) Considering CPCB to issue directions to SPCBs/PCCs under Section 5 of Environment Protection Act, 1986 for getting the action plans (time targeted) proposed for metro cities, State Capitals, Class I cities and Class II towns and further smaller towns in North-Eastern States and UTs for management of municipal solid wastes within six months and forward to CPCB.

(iii) Review of Schedule-I of the Rules may be considered by MoEF. The deadlines given in the Schedule are not complied by the local bodies.

(iv) Identification of landfill site (new) for future use complying with environmental stipulation has been a difficult exercise for States/UTs. There is need to have interaction with State Development authorities/ SPCBs to review the situation.

(v) Local bodies are not having adequate technical information on undertaking improvement in existing landfill sites. The guidelines on undertaking improvement of existing dump site are to be evolved.

(vi) Guidelines on carrying out environmental assessment of new sites for their suitability for landfilling are required to be evolved.

(vii) Guidelines/specifications for waste disposal for hilly towns are to be specified in the Rules as the specifications given under Schedule-III may not be applicable for hilly areas.

(viii) Application of provisions given in Schedule-III (specification for landfill sites) for towns having population less then 50 or 100 tonnes per day may be reviewed.

(ix) Under Schedule-IV (3-viii) laboratories of State Agriculture Department or Universities/ Colleges may be recognised for verifying stipulated specifications.

(x) Provision (1) of Schedule-IV and para 5 of Schedule-II relating to clearance of technology for waste processing may be reviewed. In the first meeting of Technology Appraisal Committee (Committee set up by CPCB) deliberations were on issuance of clearance to "technology" or "Technology provider".

(xi) The Ministry may consider for convening meetings with Secretaries of State Urban Development Department, Commissioners of Metro cities and State Capitals to review the implementation status of the Rules.

(xii) Ministry may consider to limit the scope of utilization of funds provided to SPCBs/PCCs for strengthening of infrastructure in respect of municipal solid waste only.

(xiii) Regional Institutions may be identified to provide training/ orientation programmes to SPCBs/local bodies, Administrations (DMs, DCs) on regular basis. Ministry may consider for providing funding support to such identified institutes.

(xiv) Inter-Ministerial meeting may be organized to identify areas which could be taken up for facilitating implementation of the Rules. The following Departments/ Ministries may be invited :

- Ministry of Urban Development and Control Public Health Environmental Engineering Organisation
- Ministry of Non-Conventional Energy Sources
- HUDCO
- Ministry of Agriculture
- National Institute of Urban Affairs
- Indian Institute of Public Administration

(xv) Ministry may approve the proposal of CPCB for setting up of model facility for one city/town in each State/UT for the benefit of other local bodies in the State.

**Abstract of information (State wise)**

***ORISSA:***

- Out of 102 local bodies in the state, the state board has granted authorization in favor of only one local body (Soro Notified Area Committee).
- 15 applications have been received from local bodies seeking authorization from the State Board and these applications are under examination.
- Local bodies having slow response to comply with schedule I, III, IV of the rulesinclude; Soro, Paradeep, Puri, Bhubaneshwor, Barbil, Bhadrak, Jeypore, Rourkela and Berhampur.
- Status report in respect of 43 local bodies based on information provided in form II have been compiled.
- State Board has asked all the local bodies to develop infrastructure for solid waste management including identification of landfill sites as per schedule I of the rules. Housing and Urban development of Government of Orissa is also pursuing local bodies for taking action.
- The State Board has taken up monitoring of ambient air, ground water quality and compost quality or ensuring compliance to the schedule III and IV of the rules. Such assessment has been carried out at nine locations (Balasore, Baripada, Bhadrak, Bhubaneshwor, Brajrajnagar, Cuttack, Jaleswor, Puri and Saro).

**GOA**

- There are 13 municipal councils and 183 village Panchyats in the State.
- No authorization has been granted so far and local bodies are yet to apply for such authorization to the State Board.
- Local bodies are finding difficult to get land for waste disposal. The State Board has taken up the matter for ensuring compliance to the rule by local bodies for the State Urban Development and District collectors.

***CHATTISGARH:***

- Out of 75 local bodies in the State, 55 have applied for seeking authorization of Chhattisgarh Environment Conservation Board (CECB).
- 28 local bodies in the state have identified sites for land filling. The identified sites are being considered for clearance by the State level committee from environmental ovgle.
- CECB has taken many steps for implementation of the Rules and these include: compliance with Schedule I, setting up of committees to deal with various provisions of the Rule, prohibition on burning of dry leaves, interaction with local bodies, etc.

***MEGHALAYA***

- Out of 7 Municipal Boards, only Shillong Municipal Board has applied for authorization.
- Shillong Municipal Board has set up a compost plant for processing 100 tones of garbage per day. Simultaneously, improvement works of the existing disposal site at Mawiong is in progress.
- At Tura, vermiculture plant is proposed and the plant is proposed to be set up with the assistance of HUDCO.

- Local bodies are not yet Fully prepared for undertaking implementation of Schedule II of the Rules.
- Except Shilong Municipal Board, other local bodies have not taken requisite steps to comply with Schedule III and IV of the rules. State Board has carried out analysis of leachates and assessment of ambient air quality monitoring around landfill site at Shillong.
- The State Board has prepared action plan for Shillong for implementation through Shillong Municipal Board.

***PONDICHERRY***

- There are five municipalities and 10 commune panchyats in the UT.
- 3 municipalities and 6 panchyats have applied for authorization besides one Government undertaking, M/s Pondicherry Agroservices and Industries Corporation (PASIC), Keraikal applied for authorization for setting up and operation of waste processing facility. Authorization has been received to one municipality and one government undertaking unit.

***TRIPURA***

- Out of 13 municipal authorities in the state, none of the local body has applied for authorization. Progress in respect of compliance with the rules is not satisfactory and TSPCB is pursuing local bodies to apply for authorization and formulating action plan for improvement of solid waste.

**PUNJAB**

- There are 136 local bodies in the state and estimated waste generation is 3017 tones per day. No authorization has been granted to any municipal council. However, 28 local bodies have applied for authorization.
- The State Board has assessed the status of requirement of land for waste disposal in respect of local bodies. 66 local bodies are having adequate land, 70 local bodies either having inadequate land or no land for disposal.
- 15 local bodies have taken steps for improving existing disposal sites. The steps taken include; fencing of site, plantation, etc.
- Waste processing plants are yet to be set up. One plant (compost) is being set up at Jalandhar.

***KARNATAKA***

- There are 224 local bodies (6 city corporation, 40 municipal corporations, 82 Town municipal council, 91 town panchyats and 5 notified area committee).
- Banglore City Corporation has applied for setting up of integrated waste processing and disposal facility. Simultaneously, Hubly Dharwad City Corporation has a proposal for setting up of plant for converting garbage into manure.
- Some of the towns in the State are taken up for improving solid waste management under Asian Development assisted project.
- Local bodies are yet to take appropriate actions for compliance criteria load down in Schedule II of the Rules.

***HARAYANA***

- Out of 67 local bodies in the state, none of the loxcal body has been granted with the authorization. However, 22 local bodies have applied for authorization.
- The State Board interacted with local bodies for complying with the rules. Initiative has been taken to set up demo facilities for implementation of Rules at Yamuna Nagar/ Jagadhari.

***CHANDIGARH***

- Chandigarh Municipal Corporation (CMC) has formulated an action plan for management of solid waste. Detailed project report has been prepared covering implementation of provisions of the Rules. Steps are taken to set up waste processing plant. CMC's proposals for setting up of demo plant with the assistance of CPCB/ MoEF is under consideration.

***ARUNACHAL PRADESH***

- There are 17 Urban Centers in the State. Due to financial constraints the rules are difficult to implement.

***DELHI***

- Municipal Corporation of Delhi (MCD) generating around 6000 tonnes waste per day has not get rough for authorization from Delhi Pollution Control Committee (DPCC).
- MCD is in process of inviting tenders for setting up of waste processing and disposal facility.
- Criteria laid down in Schedule-II are yet to be complied with.

***TAMILNADU***

- There are 6 Municipal Corporations, 102 municipalities and 611 town panchyats.
- All the local bodies are in the process of identification of sites for setting up of waste processing and disposal facilities. Tiruppur municipality has made arrangements to set up compost plant with the help of private entrepreneur.
- Source segregation of waste has been initiated by 92 municipalities in the State. Tirupper municipality is covering out door-to-door collection of waste. Two bin system has been adopted by the Udhagamandalam municipality.
- Four workshops has been organized by the State Board for interaction with local bodies and after concerned agencies in the State.
- The State board has issued directions and show cause notice to six local bodies and are private firms to comply with MSW rules.

***UTTARANCHAL***

- There are 69 local bodies and of two local body has been granted with the authorization. However, 5 local bodies have applied for seeking the authorization
- Except Dehradun Nagar Nigam none of the local body has reported for indicating action taken/ proposed for improving solid waste management.

***HIMACHAL PRADESH***

- There are 60 local bodies in the state.
- 12 local bodies in the state have either set up the waste processing plant/ or in the process of setting up of such facilities. There 12 local bodies are also either in process of identification of landfill sites for future and taken steps for improving dump sites.

***ANDHRA PRADESH***

- there are 117 local bodies in the state responsible for management of solid waste.
- Local bodies are in the process of acquiring land for construction of landfill facilities.
- M/s Seleco has established waste processing plant at Hyderabad with a capacity of 700 TDP to convert garbage to Refused Derived Fuel (RDF). M/s Excel industries is producing organic manure from 125 TDP of MSW at Ajit Singh Nagar, Vijaywada. M/s Sriram Energy System is proposing to set up MSW processing plant at Vijaywada on lease basis for a period of 30 years to produce fluffs/ RDF pellets of 67.5 TDP using MSW of 225 TDP as raw material and also to set up power plant of 6MW.

***RAJASTHAN***

- There are 215 local authorities in the state.
- Government of Rajasthan approved a policy for encouragement, facilitating public private partnership in establishing appropriate projects for generation of electricity/power, compost or any other useful product through processing & disposal of MSW.
- According to MSW (M&H) Rule, 2000 the local bodies are required to set up waste processing facility.

***MAHARASHTRA***

- There are 224 Municipal Council & 19 Municipal Corporations. Recently Maharashtra Government has upgraded 6 Municipal Council in to 6 Municipal Corporation.
- 33 applications received for authorization from Municipal Corporations/ Council and 3 applications from Operating agencies.
- 11 authorization granted to Municipal Council, 2 authorization Municipal Corporations and 3 to the Operating agencies by the board. 20 applications are pending.
- Local bodies are facing difficulty in allocation of an appropriate site by concern State Government Department.

***ASSAM***

- There are 74 municipal bodies covering 23 districts in the State.
- One Tezpur Municipal Board has applied for authorization.

***LAKSHADWEEP***

- There are 36 Island in the sea.
- No municipalities functioning in the Lakshdweep
- District panchayat, UTL is propose to implement waste disposal system suitable to Lakshdweep.

***KERALA***

- All Municipal Authorities in the state have been asked to initiate actions as per the Rule & apply for the authorization.
- All the Development authorities in the State were addressed to identify landfill sites and hand over the sites to the Municipal authorities as per schedule III of the Rule.
- A workshop has been organized on "An overview of waste process technology".
- Government has already declared an Urban Development Policy and solid waste management has got due consideration in the policy.

***GUJARAT***

- There are 143 municipalities & 6 Municipal Corporations.
- A separate cell under an Environmental Engineer has been set up to monitor the implementation the Rule.
- Started to call local bodies in batches to sensitize them about the Rule & Training.
- Undertaken Inventorization of Urban bodies to find the existing status.
- Organize a workshop of local bodies & Government Departments concerned with implementation of the Rule as a part of Annual Action Plan.

***WEST BENGAL***

- There are 160 municipal authorities in the State.
- In Kolkata metropolitan area, out of 32 local bodies 29 are municipal bodies and the remaining are corporations.
- North Dum Dum Municipality & New Barrackpore Municipality organized a meeting on setting up of model facility for implementation of MSW Rules.
- A site of 10 acres available with North Dum Dum is proposed for waste disposal for both municipalities.

***MADHYA PRADESH***

- There are 307 municipal authorities responsible for management of MSW in the State.
- 2 Municipal Corporations have set up composting plant, 1 local body has authorized private agency for composting and disposal facility and 4 municipal authorities has prepared project report.
- 4 municipal authorities prepared primary feasibility project report for site selection.

***MIZORAM***

- Total quantity of solid waste generated in Aizwal is 70 tones per day.
- Waste collected per day is 51 TPD.
- No specific proposal is in future.

***MANIPUR***

- There are 7 Municipalities & a small town committee.
- Total quantity of waste generated per day is 100 mt and disposed through landfilling.
- A solid waste management project has been proposed to be set up at Landeng Khunou

**ANNEXURE-I**

# ABSTRACT OF INFORMATION (STATE WISE)

# CENTRAL POLLUTION CONTROL BOARD

**Follow up on implementation of MSW Rules.**

| S.No | Letter No. | Date | Subject |
|---|---|---|---|
| 1 | B-19011/CC/2000/18390-18400 | 17.10.00 | Forwarding copies of Notification |
| 2 | B-19011/CC/2000 | 17.10.00 | Initiating preparedness for implementation of MSW Rules. |
| 3 | B-19011/2/CC/00/21423-21453 | 11.12.00 | Providing guidelines for implementation of the Rule |
| 4 | B-19011/2/CC/2000/1060-1090 | 10.1.01 | Implementation- Seeking views on project formulated for strengthening of infrastructure |
| 5 | B-19013/2/CC/01/5066-96 | 16.3.2001 | Follow up on implementation of Rules |
| 6 | B-19011/2/CC/01/10027-10059 | 15.6.01 | Follow up on the Rules |
| 7 | B-19011/2/CC/2001/16439-16463 | 28.9.01 | Inviting acceptance from SPCBs on the strengthening of infrastructure – setting up of waste management cell. With reference to MoEF letter dt.4.9.01 (22-6/2000/HSMD/15059 to 15092) (subsequent reminders dt.21.1.02, 19.3.02) |
| 8 | B-19011/2/CC/01/18561-185693 | 9.11.01 | Seeking Annual Report of 00-01 |
| 9 | B-19011/2/PCP/02/4013-4046 | 6.1.2002 | Suggesting approach for implementation of the Rules |
| 10 | B-19011/2/CC/02/1802-1831 | 22.1.2002 | Seeking follow up on Annual Report 2000-02 |
| 11 | B-19011/2/PCP/02/5752-5799 | 1.4.2002 | Assessment of Status of SWM-metro cities & State Capital (from local bodies) |
| 12 | B-11012/1/PCP/6075-6108 | 2.4.2002 | Seeking information on sewage and SWM in metro cities/State capitals from SPCBs. |
| 13. | B-19025/1/PCP/02/6118-6200 | 4.4.2002 | Seeking feed back from SPCB on constraints forced by local bodies and solutions for better implementation of MSW Rules |
| 14 | B-19025/1/PCP/02/6118-6167 | 4.4.2002 | Views from local bodies of metro cities and State capitals |
| 15 | B-19011/25/PCP/02/6245-6278 | 5.4.2002 | Seeking views of Directorate of State Municipal Administrations on implementation of MSW Rules. |

| S.No | Letter No. | Date | Subject |
|---|---|---|---|
| 16 | B-19025/1/PCP/02/6207-6240 | 5.4.2002 | SPCB to organize interactive meetings through State Academy of Admn. for State Administrations |
| 17 | B-11019/2/PCP/02/15974-16007 | 3.9.2002 | Implementation of Rules (Action Plan, Technology Group) |
| 18 | B-19011/2/PCP/02/18203 | 24.9.2002 | Annual Report (01-02) |
| 19 | B-19011/2/PCP/02/17949-981 | 24.9.2002 | Request for forwarding Annual Report 01-02 |
| 20 | B-19011/2/PCP/02/20911-20943 | 26.11.2002 | Seeking Utilisation Certificate and progress report on funds released by MoEF for strengthening of infrastructure |
| 21 | B-19011/2/PCP/02 | 2.12.2002 | Request for forwarding Annual Report 01-02 |
| 22 | B-11019/3/PCP/02/288-321 | 2.1.2003 | Waste Processing Technologies |
| 23 | B-19013/1/MSW/PCP/02/1036-1079 | 3.1.2003 | Action Plan for MSW |
| 24 | B-19011/2/PCP/2002/1908-1941 | 15.1.2003 | Formulation of action plan for management of MSW in Class I cities, Class II towns and State Capitals |

*Status of issuance of Authorisation*
*( As on February, 2004)*

| S. No | State | No. of Local Bodies | No. of Application received | No. of Authorization granted |
|---|---|---|---|---|
| 1 | Andaman & Niccobar | 01 | Nil | Nil |
| 2 | Andhra Pradesh | 117 | 12 | 1 |
| 3 | Arunachal Pradesh | - | Nil | Nil |
| 4 | Assam | 156 | 3 | Nil |
| 5 | Bihar | 117 | Nil | Nil |
| 6 | Chandigarh | 01 | 1 | 1 |
| 7 | Chhattisgarh | 109 | 56 | 2 |
| 8 | Daman Diu | - | Nil | Nil |
| 9 | Delhi | 03 | Nil | Nil |
| 10 | Goa | 196 | Nil | Nil |
| 11 | Gujarat | 150 | 134 | 92 |
| 12 | Haryana | 67 | 56 | Nil |
| 13 | Himachal Pradesh | 59 | 8 | 1 |
| 14 | Jammu & Kashmir | 69 | Nil | Nil |
| 15 | Jharkhand | - | Nil | Nil |
| 16 | Karnataka | 226 | 220 | 192 |
| 17 | Kerala | 58 | 55 | 22 |
| 18 | Lakshadweep | - | Nil | Nil |
| 19 | Madhya Pradesh | 352 | Nil | Nil |
| 20 | Maharashtra | 240 | 129 | 80 |
| 21 | Manipur | 07 | Nil | Nil |
| 22 | Meghalaya | 07 | 01 | 1 |
| 23 | Mizoram | 2 | Nil | Nil |
| 24 | Nagaland | 08 | Nil | Nil |
| 25 | Orissa | 103 | 49 | 3 |
| 26 | Pondicherry | 15 | 12 | 3 |
| 27 | Punjab | 138 | 49 | Nil |
| 28 | Rajasthan | 215 | Nil | Nil |
| 29 | Sikkim | - | Nil | Nil |
| 30 | Tamil Nadu | 719 | Nil | Nil |
| 31 | Tripura | 13 | Nil | Nil |
| 32 | Uttaranchal | 64 | 13 | Nil |
| 33 | Uttar Pradesh | 610 | Nil | Nil |
| 34 | West Bengal | 126 | 15 | 5 |

Annexure-I

***Status of issuance of Authorisation***

***( As on December, 2003)***

| S. No | State | No. of Local Bodies | No. of Application received | No. of Authorization granted |
|---|---|---|---|---|
| 1 | Andaman & Niccobar | - | - | - |
| 2 | Andhra Pradesh | 117 | 12 | 1 |
| 3 | Arunachal Pradesh | - | - | - |
| 4 | Assam | 156 | 3 | Nil |
| 5 | Bihar | 211 | - | - |
| 6 | Chandigarh | 01 | 1 | 1 |
| 7 | Chhattisgarh | 109 | 56 | 2 |
| 8 | Daman Diu | - | - | - |
| 9 | Delhi | 03 | - | - |
| 10 | Goa | 196 | - | - |
| 11 | Gujarat | 150 | - | - |
| 12 | Haryana | 67 | 31 | - |
| 13 | Himachal Pradesh | 60 | 8 | 1 |
| 14 | Jammu & Kashmir | 50 | - | - |
| 15 | Jharkhand | - | - | - |
| 16 | Karnataka | 226 | 220 | 191 |
| 17 | Kerala | 58 | 58 | - |
| 18 | Lakshadweep | - | - | - |
| 19 | Madhya Pradesh | 352 | - | - |
| 20 | Maharashtra | 240 | 120 | 65 |
| 21 | Manipur | 08 | - | - |
| 22 | Meghalaya | 07 | 01 | 1 |
| 23 | Mizoram | 2 | - | - |
| 24 | Nagaland | 08 | - | - |
| 25 | Orissa | 103 | 49 | 3 |
| 26 | Pondicherry | 15 | 4 | 3 |
| 27 | Punjab | 138 | 49 | - |
| 28 | Rajasthan | 215 | - | - |
| 29 | Sikkim | - | - | - |
| 30 | Tamil Nadu | 719 | - | - |
| 31 | Tripura | 13 | 12 | 12 |
| 32 | Uttaranchal | 64 | 13 | - |
| 33 | Uttar Pradesh | 610 | - | - |
| 34 | West Bengal | 126 | 15 | 4 |