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HARYANA

IN THE HON'BLE NATIONAL GREEN TRIBUNAL

AT NEW DELHI

Original Application No. 199 of 2014

Almitra H. Patel & Anr.

.....PETITIONER

Versus


Union of India & Others

.....RESPONDENTS

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PLACE : Panchkula
DATE :29.04.2015


Pankaj Agarwal,
Director, Urban Local Bodies,
Haryana, Panchkula

IN THE HON'BLE NATIONAL GREEN TRIBUNAL

AT NEW DELHI

Original Application No. 199 of 2014

IN THE MATTER OF:

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.....RESPONDENTS

Status report by affidavit in compliance of the order dated 20.03.2015.

I, Pankaj Agarwal, Director, Urban Local Bodies, Haryana, Panchkula, do hereby solemnly affirm and declare as under:-

1. That this Hon'ble National Green Tribunal Principal Bench was pleased to pass the following directions on 20.03.2015, in the above captioned case:

- 1. We accept the report submitted by the State of Haryana with regards to the establishment of MSW plant following cluster approach. There would be 14 clusters in entire state as detailed in the report. The report submitted to the Tribunal (Exhibit A- 1) shall form integral part of the judgement of the Tribunal.*
- 2. At the first instance, cluster at Karnal would be taken as a model project and would be completed without any undue delay. Part of it, that is RDF plant, has already been established and is operational though not to its optimum capacity. It is stated that the city of Karnal itself generate 113.32 tonnes/day of municipal waste. One can imagine the waste that would be generated from all the towns/ places/ municipalities/ of Karnal, Indiri, Nissing and Nilokheri which fall within these clusters.*

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3. *We reiterate and direct that the judgement of the Tribunal in the matter of Original Application No. 40 (THC) of 2013 in the matter of People for Transparency Through Kamal Anand v. State of Punjab, decided on 25th November, 2014 and the report of the State of Haryana that has been accepted by the Tribunal (Exhibit 'A-1') shall operate fully, further subject to specific directions or conditions issued by the Tribunal and contained hereinafter. All these three documents i.e. today's order Judgement of People for Transparency Through Kamal Anand v. State of Punjab and Exhibit A-1 would be read in conjunction to each other and not in derogation. On the cumulative reading of the judgement, order and Exhibit A-1, all Authorities concerned shall ensure proper collection, treatment and disposal of MSW, while fully protecting the environmental interest.*
4. *The RDF project at Karnal shall operate to its optimum capacity at the earliest and in any case not later than one month from today. It will strictly adhere to the project terms, conditions and directions stated in the judgments of the Tribunal.*
5. *The waste to energy plant shall be established without any delay and would be made operational at the earliest. We direct State of Haryana to submit the application to MoEF within two weeks from today, which shall be expeditiously disposed of in accordance with law and keeping the order of the Tribunal in mind.*
6. *The State of Haryana, Municipal Corporation of Karnal and Municipalities/Committees falling under the cluster would make every possible effort to collect municipal solid waste in a segregated form right at the first point of collection. In other*



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words every effort should be made and people should be educated and incentives should be provided for them to segregate and provide dry and wet municipal solid waste separately by putting them in a separate dust bins.

7. The municipal solid waste so collected shall be transported by the corporation separately and in different containers/vehicles duly covered as per the The Municipal Solid Wastes (Management and Handling) Rules, 2000. There would be complete segregation of the waste at the site into wet and dry waste without fail. No wet waste would be directly put into the incinerator or for power generation, except specifically permitted. The wet waste shall be composted scientifically through approved techniques. The composted waste shall be transported and incentives be provided to farmers to use it as a fertilizer. While the wet waste is being composted due caution should be taken for preferably spraying biodegradable and eco-friendly disinfectant to prevent bad odour.
8. As far as the remaining MSW is concerned, it shall be further segregated into recyclable and un-recyclable waste, particularly plastic and other wastes. In relation to former, the operating agency, State Government and the Corporation shall frame a proper policy so that it can be collected from the site, transported in accordance with law and can be provided to the persons or the firms authorised for handling recyclable plastic and allied waste or for making RDF. However, in relation to the later, it would be seen whether un-recyclable plastic or other waste can be used for the purposes of construction of roads or such allied activity, where it is scientifically permissible. Whatever is still found to be unrecyclable, the same shall be put



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into incinerators for disposal. The waste left in the incinerators shall be collected and disposed of in accordance with The Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. It is obvious that the amount of remnant waste would be the least.

9. We direct the State of Haryana to issue guidelines to the Corporation within three weeks from today in light of this judgment.
10. Every effort should be made to provide green belt of higher density, using new techniques while keeping in mind that least of the space is used for the greenbelt and maximum space is used for the site to ensure that larger area is being made available for storage and processing of the waste.
11. We make it clear that we are not putting any absolute restriction on RDF being used as power generation fuel but first effort should be made for composting of wet waste. In this regard, also, the guidelines could be provided by the State and they are free to use RDF for generating fuel, with due care and caution and in light of this judgment.
12. The State Government, Municipal Corporations, Councils and Committees shall make all efforts to prospectively provide for use of thermo-plastic in place of multi-layer plastic as the prior is completely recyclable.
13. We specifically reject the contentions raised on behalf of some for the parties before us, including the MoEF that the RDF, Waste To Energy plant and the site for collection, treatment and disposal of MSW should be de-centralised and that cluster system is not an appropriate remedy. We cannot overlook the limitations of the State. Land anywhere and everywhere today is



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a scarce item. Geographically, ecologically and environmentally centralised operation of such plant would not only be in the economic interest of the State and the people, but would also serve the purposes of environment and compliance to the MSW Rules better. For instance, if every city, and Municipality has to have its own plant, that means particularly in the State of Haryana case, which we are dealing with, every 20 to 40 Kms there would have to be plant which itself would cause serious adverse consequences on the environment and ecology. Besides that it would be an unaffordable expenditure by the State. The State has to priorities its expenditure depending upon the needs of the citizens of the State. The Centralised MSW plants can be operationalized more effectively, would be technically and economically viable and in the interest of environment. Adoption of de- centralised approach would also contradict the basic principal of sustainable development. Another reason which would support the view that we are taking is the site selection. The site selection under the EIA Notification 2006 and MSW Rules, 2000 has various restrictions. In the rapidly developing towns and cities of Haryana, it will not be possible to comply with these restrictions if we direct decentralisation of such plants.

14. *We direct the CPCB and MoEF to have meeting within two weeks from today and prescribe specific standards for emissions from incinerators used for power generation. It should be a composite document and should be put on the website of these agencies immediately.*

15. *At the cost of repetition, we may notice that Karnal is a pilot project and based on the performance of this project we would*



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issue further directions in relation to other clusters, especially for clusters having Waste To Energy plants. Further, we also make it clear that RDF plants established at other clusters i.e. Yamuna Nagar and Sirsa which are under the process of completion, should be made to perform to their optimum capacity within two weeks from today. We direct a team of a representative of MoEF, a Member of CPCB and Member of Haryana Pollution Control Board to inspect all these plants and submit a report of performance to the Tribunal within one month from today.

16. *We grant liberty to any of the party present before us or members of the general public to seek clarification, if any, in relation to the implementation of the directions contained in this Order of the Tribunal.*

17. *We hereby constitute a team of a Deputy Secretary, State of Haryana, Director (Environment), Director (Local Bodies), Mr. D.R. Yadav, Chief Engineer and Senior Officer of the Municipal Corporations of Yamuna Nagar, Sirsa and Karnal. Office bearer, preferably with a science background of RWA located nearest to the plant would also be member of this Committee. This Committee would ensure proper functioning, establishment and operationalization of the pilot project, as well as other RDF plants as referred in this Order.*

18. *In terms of Section 15 of the NGT Act, 2010, we direct the State Governments, Municipal Corporations, Councils and Committees to levy charges as per Schedule annexed to the report submitted by the Haryana State to the Tribunal, on every household on the basis of 'Polluter Pays' Principle. However, above constituted Team shall subsequently decide upon physical*



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inspection that if a particular colony has provided 100% or maximum segregated waste to the collecting agency, than the residents of that colony would be entitled to a rebate of 10% on the property tax preferably.

19. *We direct the State Governments, Municipal Corporations, Councils and Committees to place dustbins of appropriate sizes in the Jhuggies/colonies and would also educate residents living in the Jhuggies/colonies about the need for waste segregation and mode of waste collection and transportation.*
20. *We leave upon the State Authorities to consider establishment of bio-gas plants based on anaerobic composting in the areas they consider proper.*
21. *We direct the State Governments, Corporations, Councils and Committees to involve the rag pickers, whether organised or not, by framing a policy in that behalf which would prevent individual rag pickers from rag picking and further strictly subject to a total prohibition on child workers being involved in such activities. Rag pickers, who are included under the Policy, shall ensure that sale of recyclable MSW is only to the people who are authorized.*

With regard to all the above, we accept the State of Haryana report. At the first instance, it will implement the pilot project and submit a comprehensive report to the Tribunal. We further mandate State of Haryana and all the concerned Authorities to carry out the orders and directions of the Tribunal without delay and default.

We further direct all the concerned States to file comprehensive affidavit within four weeks in light of the judgement of the Tribunal in Original Application No. 40 (THC) of 2013 in the matter of People for Transparency Through Kamal Anand v. State of



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Punjab, decided on 25th November, 2014, and today's judgement with regard to the State of Haryana in the matter of Almitra H. Patel Vs. Union of India, Original Application No. 199 of 2014.

We make it clear that in the event of default by any State, the said State would be liable to pay cost of Rs. 50,000/- for adjournment of these matters and the same would be recovered from the salary of the Secretary and other Officers in the State Government.

Besides that in the event default, the Secretary (Environment) and Secretary (Local Bodies) of the concerned State shall be present before the Tribunal on that date. Let copy of this Order be circulated to all the Chief Secretaries of the States by the Registry. However, we request all the Learned counsel appearing in the case that they should themselves also obtain of the copy of the order from the website and send it under their personal letter to the Chief Secretary of the State as well.

List this matter on 30th April, 2015 and 01st May, 2015.

We also direct CPCB, all brand owners, producers, users and MoEF to submit their views in relation to metalized or non-metalized multi-layer packaging up to 2 kg net weight packs to be replaced by thermo-plastic packaging or any other fully recyclable packaging."

2. That content of para no. 1 are admitted being matter of record.
3. That with regard to set up of model project for RDF to energy plant at Karnal, a meeting was held on 17th April 2015 under the Chairmanship of Chief Secretary, Government of Haryana with the concerned departments. Urban Local Bodies Department would humbly submit to the Hon'ble Tribunal that additional time is required for setting up of model project at Karnal in view of the following reasons:



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- i. Feasibility study is being done by the Transaction Advisor (TA) appointed by the State Government. This activity will take minimum 1 month as there is no RDF-to-energy plant in operation in the country as on today.
- ii. If it is found to be feasible from the study then the Transaction Advisor will proceed for preparation of DPR after conducting market research to understand willingness and capability of private players to undertake such projects.
- iii. Expression of Interest will be prepared to identify qualified private developers and invite bids from them for the RDF to energy plant.
- iv. As per the EIA notification 2006, the project falls under Category-B and requires environmental clearance from State EIA Authority. However, the term of Haryana State EIA Authority has expired on 22nd March 2015 and the authority has forwarded all the pending projects in the State to Ministry of Environment and Forests (MOEF) for further clearance. The proposed RDF to Energy plant at Karnal is also to be submitted to MOEF to seek environmental clearance.
- v. As per the EIA notification 2006, Form I along with the proposed Terms of Reference (TOR) and prefeasibility report are to be submitted to MOEF to obtain TOR for the EIA Study. As per the notification, the TOR is expected to be received within 60 days of receipt of Form I by MOEF. Most of the fields in MoEF's online application have been filled and the remaining documents, i.e. proposed Terms of Reference and prefeasibility report, are being prepared by the TA. After completing all the formalities, application along with EIA report



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will be submitted to MOEF within 4-5 months to seek environmental clearance.

vi. Commencement of pilot RDF to energy project at Karnal will take place only after completion of the above said formalities.

4. That the directions of the Hon'ble Tribunal in para no. 3 shall be adhered to.

5. That Commissioner, Municipal Corporation Karnal has been instructed on 01.04.2015 to operate the existing Treatment plant to its optimum capacity. True copy of the same is annexed herewith as **Annexure-1**. Further, suggestions of the visiting team of MoEF, CPCB and HPCB will be considered to improve the operation of the plant.

6. That to comply with the directions of the Hon'ble Tribunal in para no.5 following action has been taken by the department:

i. A letter has been sent to MoEF on 3rd April 2015 informing that the existing waste processing plant at Karnal already has due environmental clearances and requesting a confirmation on whether a new environmental clearance for this proposed RDF-to-energy plant is required. Confirmation from MOEF is awaited. All the actions proposed to be taken by the Department to obtain environmental clearance may be read out from Para No.3 as above.

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7. That as per the directions of the Hon'ble Tribunal in para no. 6 to 9, necessary guidelines has been issued to all ULBs in the State regarding segregation on 17.4.2015. True copy of the same is annexed herewith as **Annexure-2**.

8. That the directions of the Hon'ble Tribunal in para no. 10 to 12 shall be adhered to.

9. That the State of Haryana has already decided to adopt cluster based approach for integrated solid waste management.
10. That action taken on the directions of the Hon'ble Tribunal in Para No. 14 is to be conveyed by CPCB and MOEF.
11. That Commissioner, Municipal Corporation, Yamunanagar and Deputy Commissioner, Sirsa have been directed to operate the treatment plants to their optimum capacity vide letter dated 01.04.2015. True copy of the same is annexed herewith as **Annexure-3**. A team of representatives of MoEF, CPCB and HPCB to the existing treatment plants in Yamunanagar, Karnal and Sirsa visited on 24.04.2015 and 25.04.2015.
12. That the State of Haryana would approach the Hon'ble Tribunal for any clarification if any with respect to their directions in the above mentioned order.
13. That all the Commissioners of Municipal Corporations, Deputy Commissioners, all Executive Officers/ Secretaries of the Municipal Councils/ Committees in the State of Haryana have been directed vide letter dated 1.4.2015 to levy collection charges as per the schedule annexed to the report submitted by Haryana State to the Hon'ble Tribunal. True copy of the same is annexed herewith as **Annexure-4**. However, rebate on property tax can only be provided after amending the Haryana Municipal Corporation Act 1994 and Haryana Municipal Act 1973. The Government of Haryana has agreed in principle to the proposal that if a particular colony has provided 100% or maximum segregated waste to the collecting agency, then the residents of that colony would be entitled to a rebate of 10% on the property tax preferably.



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14. That all the Commissioners of Municipal Corporations, Deputy Commissioners, all Executive Officers/ Secretaries of the Municipal Councils/ Committees in the State of Haryana have been directed vide letter dated 1.4.2015 to provide dustbins in jhuggies/ colonies to comply with the directions of Hon'ble Tribunal in para no. 19. True copy of the same is annexed herewith as **Annexure-4**.
15. That the department is in the process of studying best practices of segregation and collection through involvement of NGOs, rag pickers etc. in various ULBs in the country. A state level policy will be prepared at the earliest after completion of the above exercise.



DEPONENT

Place: Panchkula
Dated: 29.4.2015

Verification :-

Verified that the contents of the above paras no. 1 to 15 of my affidavit are true and correct to my knowledge & belief & the same has been prepared on the basis of information as drawn from the official record. No part of it is false and nothing has been concealed therein.



DEPONENT

29 APR 2015
Place: Panchkula

Dated: 29.04.2015

ATTESTED

MAHESH GOYAL

Notary

Distt. Panchkula (Hry.)

शहरी स्थानीय
निकाय निदेशालय
हरियाणा



DIRECTORATE OF URBAN
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HARYANA

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NGT COURT CASE
MOST URGENT

To

The Commissioner,
Municipal Corporation, Karnal
Memo No: TA II/ DULB/2015/ 1887 to 1974
Dated: 1/4/2015

Subject: Original Application No. 199 of 2014
Almitra H. Patel & Anr. vs. Union of India & Ors.- pending before
Ld. National Green Tribunal, New Delhi.

- Reference on the subject cited above.
2. I am directed to inform you that titled case was listed on 20.3.2015 in the Hon'ble National Green Tribunal, Principal Bench, New Delhi and Hon'ble Tribunal directed that RDF project at Karnal shall operate to its optimum capacity at the earliest and in any case not later than one month from today i.e. 20.3.2015. It will strictly adhere to the project terms, conditions and directions stated in the judgments of the Tribunal.
 3. Hon'ble Tribunal constituted a team of Deputy Secretary, State of Haryana, Director (Environment), Director (Local Bodies), Mr. D.R. Yadav, Chief Engineer and Senior Officer of the Municipal Corporations of Yamuna Nagar, Sirsa and Karnal. Office bearer, preferably with a science background of RWA located nearest to the plant would also be member of this Committee. This Committee would ensure proper functioning, establishment and operationalization of the pilot project, as well as other RDF plants as referred in this Order. Commissioner, Municipal Corporation, Yamunanagar, Karnal and Deputy Commissioner, Sirsa may be directed to identify member of the above mentioned committee preferably with a science background of RWA located nearest to the plant and intimate to this office.
 4. To make every possible effort to collect municipal solid waste in a segregated form right at the first point of collection. In other words every effort should be made and people should be educated and incentives should be provided for them to segregate and provide dry and wet municipal solid waste separately by putting them in a separate dust bins.
 5. Further, you are requested to comply with the above mentioned directions given by the Hon'ble Tribunal and send the action taken report to this office by 15.4.2015 positively.

Executive Engineer-I,
for Director, Urban Local Bodies,
Haryana, Panchkula.

Dated: 1/4/2015

Endst. No. TA II /DULB /2015/ 1975 to 76

A copy is forwarded to the Executive Officer/ Secretary of Municipal Council/ Committee of Karnal, Nissing, Indri & Nilokheri with the request to comply with the above mentioned order of the Hon'ble Tribunal.

Executive Engineer-I,
for Director, Urban Local Bodies,
Haryana, Panchkula

शहरी स्थानीय
निकाय निदेशालय
हरियाणा



DIRECTORATE OF URBAN
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MOST URGENT
NGT CASE

To

1. All the Commissioners,
Municipal Corporations in the State of Haryana.
2. All the Deputy Commissioners in the State of Haryana.
3. All the Executive Officers/Secretaries of the Municipal Councils/
Committees in the State of Haryana.

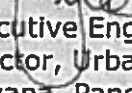
Memo No: TA II/ DULB/2015/20609-690
Dated: 17.04.2015

Subject: Guidelines to ULBs for MSW collection, segregation, storage and transportation.

Kindly refer on the subject cited above.

2. I am directed to forward the guidelines for Municipal Solid Waste collection, segregation, storage and transportation in compliance of the orders of Hon'ble NGT in case of Original Application No. 199 of 2014- Almitra H. Patel & Anr. vs. Union of India & Ors. for further necessary action.
3. You are, therefore, requested to comply with the guidelines for Municipal Solid Waste collection, segregation, storage and transportation and send the action taken report to this office by 23.04.2015 through email/ fax positively.

DA: As above.


Executive Engineer-I,
for Director, Urban Local Bodies,
Haryana, Panchkula.



GOVERNMENT OF HARYANA

**Guidelines to ULBs for MSW
collection, segregation, storage &
transportation**

April 2015

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1. Introduction

Hon'ble National Green Tribunal (NGT) in OA No 199 of 2014 (Almitra H. Patel Vs Union of India) on 20th March, 2015 directed the state Government of Haryana to issue guidelines regarding source segregation of Municipal Solid Waste. Hon'ble Tribunal directed that complete segregation of waste at the site into wet and dry waste was to be ensured. No wet waste would be directly put into the incinerator or for power generation, except specifically permitted.

Hon'ble Tribunal also directed that all efforts should be made and people should be educated and incentives should be provided for them to segregate and provide dry and wet municipal solid waste separately by putting them in a separate dust bins. The wet waste shall be composted scientifically through approved techniques. The composted waste shall be transported and incentives be provided to farmers to use it as a fertilizer.

Hon'ble Tribunal also directed the State Government and the Corporations to frame a policy for collection, transportation and provision to the persons or the firms authorised for handling recyclable plastic and allied waste or for making RDF. However, in relation to the later, it would be seen whether un-recyclable plastic or other waste can be used for the purposes of construction of roads or such allied activity, where it is scientifically permissible. Whatever is still found to be un-recyclable, the same shall be put into incinerators for disposal. The waste left in the incinerators shall be collected and disposed of in accordance with The Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.

This guideline is intended for households, municipal bodies and waste management agencies contracted by municipal bodies. The guideline outlines basic activities that should be undertaken for waste segregation, collection, storage and transport. This guidance has been developed in concurrence with the Municipal Solid Waste Management rules (2000) and draft rules (2015).

2. Guidance to household on how to maintain waste (dry/wet) in a segregated manner

Households should support efforts to segregate waste, in order to ease the succeeding waste treatment processes. The following should be undertaken by households;

- Segregate all wastes into;
 - biodegradable (or wet),
 - non-biodegradable (or dry),
 - domestic hazardous and,
 - recyclable wastes

These wastes should be segregated into separate bins inside the house

- Sanitary waste should be wrapped in newspaper or similar suitable biodegradable wrapping materials. These should be placed in the households bin meant for non-biodegradable waste.
- During collection of waste;
 - transfer bins to designated waste collectors, OR
 - dispose of waste into the respective wet, dry and recyclable waste colony dumpsters
- Construction & demolition waste shall be stored separately on household premises, and disposed as per it's prescribed rules
- Horticultural waste and garden waste shall be store separately on household premises, and disposed in the method and frequency determined by the urban local body
- DO NOT dispose of waste on the road side, open spaces, drains or water bodies
- DO NOT dispose of mixed wastes into colony dumpsters or bins

- It would be the responsibility of households/ residential complexes to ensure that no waste is dumped in the roads immediately surrounding the household/ residential complexes

3.Guidance to MC on awareness generation for household segregation

Every Municipal Authority is responsible for the safe collection, segregation, storage and transportation of municipal solid waste. The following efforts should be undertaken to ensure this;

- Involve NGOs for community awareness activities
- Develop awareness campaigns using different media; like wall art and informative posters. These awareness campaigns may cover the following topics;
 - Discourage littering
 - Minimizing waste generation
 - Recycling and reusing materials
 - Segregation of different types of waste (i.e. the different waste classification, and handling of each)
- Setup a system of citizen volunteers. These volunteers should listen to citizen demands, and monitor waste collection agency members in their allocated area. Citizen volunteers should be members of the community of this allocated area. There should be 1 citizen volunteer for every 50 houses.
- The MC should set up a penalty system for households that do not segregate waste, or improperly dispose waste (i.e., not in communal bins or through waste collectors). This may be undertaken by regular monitoring of road sides by citizen volunteers for signs of waste dumping.
- Over time, the MC may also come up with a reward scheme for households that generate less waste over a pre-determined period of time.

4.Guidance to waste collection/transport agency on how to separately collect, store & transport dry/wet waste

Waste collection and transportation can be carried out either the municipal body or a designated external agency. However, the municipal body must ensure that the agency complies with all rules and standards outlined in the MSW Rules (2000) and draft MSW Rule (2015).

The following activities should be carried out for the collection and transportation of MSW;

Collection of MSW:

- Ensure collection of waste from all areas, including slums and squatter areas of localities, market places, hotels, restaurants, office complexes and commercial areas
- Provide personal protection equipment namely hand gloves, high boots made of tough leather, goggles and masks to all workers for handling municipal solid waste.
- Ensure the safe collection and segregation of municipal solid waste into biodegradable, non-biodegradable and domestic hazardous waste.
- MC should ensure community participation in waste segregation and organize regular meetings with representatives of local welfare associations & non-governmental organizations on a quarterly basis.
- Maintain ratio of 1 waste collector for every 200 households.
- Identify closed (not exposed to air) and user friendly storage spaces (eg; material recovery facility) for segregation of MSW
- The storage facilities or bins should have an 'easy-to-operate' design for handling and transportation of MSW.
- MSW storage facilities should be established taking into account the amount of MSW generated in the area
- Bins for storages should be painted as follows;
 - GREEN for Biodegradable waste

- WHITE for Recyclable waste
- BLACK for all other wastes
- Establish a domestic hazardous waste deposit or delivery centers. There should be one center set up for an area of 20 km²
- Ensure that manual handling of waste does not take place. Under unavoidable circumstances, manual handling must be carried out under proper precaution with care for safety of the workers
- Undertake training of workers, including any contract workers and/or supervisors about collection of segregated waste, and transporting unmixed waste
- The following wastes should not be mixed with or collected with MSW;
 - Horticultural
 - Construction & Demolition
 - Debris
 - Dairy waste
 - Bio-medical
 - Industrial hazardous
 - E-waste

These wastes are to be collected and disposed in accordance with the specific bye-laws and rules designed for them.

- Prevent open burning of MSW

Transportation of MSW:

- The following specifications for waste transportation vehicles should be met;
 - Vehicles for transportation of wastes should be covered, i.e. not exposed to the open environment.
 - Vehicles should have separate compartments for biodegradable, non-biodegradable, domestic hazardous and recyclable wastes
- Schedules for waste collection should be developed and enforced, to ensure regular and timely collection of waste

Other

- Setup a reward scheme for recycling waste.
- An incentive scheme should be developed for all waste collectors. For example:
 - Rewards for collection of the most recyclable materials on a monthly basis
 - MCs should allow waste collectors to generate an alternative source of income through the sale of recyclable materials.

5. Guidance on waste handling

As per Municipal Solid Waste (Solid Waste Management & Handling) Rules, 2000; the manual handling of waste has to be avoided. As per the recommended system, the waste from their source of generation is either collected by sanitary workers during door-to-door collection from the colonies or from community bins.

The sanitary workers, after primary collection, will transport the waste to the storage depots from where it will be lifted by dumper placers and transported to the processing & disposal sites.

The community bins of size 0.5 m³ are to be lifted manually and unloaded into the containers kept in the transportation vehicles.

The sanitary workers involved in manual lifting are to be provided with gloves and masks and shall be instructed to use them compulsorily while handling waste. It will be the responsibility of the sanitary supervisors to monitor the proper use of personnel protective equipment by the workers.

6. Model Project for waste segregation in Gurgaon

Municipal Corporation, Gurgaon has proposed community based decentralised handling, segregation at source and composting of household kitchen/food and horticulture wastes is to be examined to implement as pilot projects and identify appropriate technology and providers to find a waste reduction and waste processing green solution specific to communities waste problems.

Accordingly, three colonies, one each in the areas under MCG (Ashok Vihar phase 2), HUDA sector (sec 31) and a private developer colony DLF Phase I(H&Bblock) were identified to implement pilot decentralized SWM and composting activities.

A Vendor Evaluation Committee was constituted by the Commissioner comprising of Consultant of MCG, Joint Commissioner, MCG, Mr. N.B.Nair (Retired BARC Scientists) and Ms. Ruchika Sethi Takkar (Citizen activist and environmentalist) & Executive Engineer, Enforcement (MCG) to study available decentralized Composting solid waste operators in the market and make recommendation based on techno-commercial evaluation.

Project Methodology

1. Communicate and create awareness on the need to segregate and the benefits. Educate households and help on segregation. Two bins, one bag policy. Wet Waste (organic waste), Dry Waste(Recyclables), Sanitary Waste (Residue and Rejects non recyclables).
2. Segregate the waste at source into dry, wet waste & sanitary waste. This is usually the waste from kitchen and other plastic/paper / tetrapack/ mixed paper/ rags, chindi etc which is not sold to the kabadiwallah(scrap dealers).Mixed waste is resource loss.
3. All Electrical and Electronic waste items (CFL's, dead batteries, mobiles, chargers headphones ,calculators, clocks ,computer, keyboard, toys with electronic components, wires, old electronic kitchen equipment) to be sorted and stored in designated bins in the house (*Action – to identify authorised E waste dismantlers & recyclers to undertake periodic collection drives , or keeping collection bins at Dry Waste disposal site , the items may get pilfered, and backend waste stream collector, hence the collection bins need to be secured*). Please refer to E Waste management and Handling Rules 2011.
4. Dry waste to be picked up daily in initial phase and weekly on designated days from house to house by the waste collector in an appropriate containerised push cart. Mixing of waste has to be completely avoided . Dry waste taken to DWCC located within the colony / ward and operated in a hygienic and safe manner for material recovery. The objective is to minimise waste . The goal should be to relocate the said waste material to some person who has a use for it. Thus waste can be reduced bringing concerned stakeholders in the value chain that can extract economic value out of waste.

Ideally the DWCC (Dry Waste Collection Centre) Implementing agency should :

- Maintain a quantitative and qualitative record of waste being collected on a daily basis.
- Establish a network of authorized recyclers and transport the segregated waste items to authorized recyclers only.
-

Recommendations: The Vendor Evaluation Committee has made the following observations & recommendations on the basis of information submitted by the three technology providers and interviews with them, the site visits, and the feedback from the respective Resident Welfare Associations where such systems are in operation, cost (capital cost & operating cost) of each system, amount of electricity usage, operating procedures, O & M service availability etc.

The Committee opined that the Model Unit should work without any major issues, even if the initial cost is high. It also recommended that the segregation procedure should not become non-operational for more than 48 hrs at any cost.

शहरी स्थानीय
निकाय निदेशालय
हरियाणा



DIRECTORATE OF URBAN
LOCAL BODIES
HARYANA

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NGT COURT CASE
MOST URGENT

To

1. The Commissioner,
Municipal Corporation, Yamunanagar
2. Deputy Commissioner, Sirsa
Memo No: TA II/ DULB/2015/1887 to 1974
Dated: 11/4/15

**Subject: Original Application No. 199 of 2014
Almitra H. Patel & Anr. vs. Union of India & Ors.- pending before
Ld. National Green Tribunal, New Delhi.**

2. Reference on the subject cited above.
I am directed to inform you that titled case was listed on 20.3.2015 in the Hon'ble National Green Tribunal, Principal Bench, New Delhi and Hon'ble Tribunal directed that Commissioner, Municipal Corporation, Yamunanagar and Deputy Commissioner, Sirsa and Executive Officer, MC Sirsa may be directed that RDF plants established at other clusters i.e. Yamuna Nagar and Sirsa which are under the process of completion, should be made to perform to their optimum capacity within two weeks from 20.3.2015. A team of a representative of MoEF, a Member of CPCB and Member of Haryana Pollution Control Board shall inspect all these plants and submit a report of performance to the Tribunal within one month from 20.3.2015.
3. Hon'ble Tribunal constituted a team of Deputy Secretary, State of Haryana, Director (Environment), Director (Local Bodies), Mr. D.R. Yadav, Chief Engineer and Senior Officer of the Municipal Corporations of Yamuna Nagar, Sirsa and Karnal. Office bearer, preferably with a science background of RWA located nearest to the plant would also be member of this Committee. This Committee would ensure proper functioning, establishment and operationalization of the pilot project, as well as other RDF plants as referred in this Order. Commissioner, Municipal Corporation, Yamunanagar and Deputy Commissioner, Sirsa may be directed to identify member of the above mentioned committee preferably with a science background of RWA located nearest to the plant and intimate to this office.
4. You are requested to make every possible effort to collect municipal solid waste in a segregated form right at the first point of collection. In other words every effort should be made and people should be educated and incentives should be provided for them to segregate and provide dry and wet municipal solid waste separately by putting them in a separate dust bins.
5. To levy charges as per Notified by the Govt. vide its order no. 14/153/2011-4C I dated 24.10.2011 on every household on the basis of 'Polluter Pays' Principle.
6. To place dustbins of appropriate sizes in the Jhuggies/colonies and would also educate residents living in the Jhuggies/colonies about the need for waste segregation and mode of waste collection and transportation.

(Handwritten signature)

7. Further, you are requested to comply with the above mentioned directions given by the Hon'ble Tribunal and send the action taken report to this office by **15.4.2015** positively.

Executive Engineer-I,
for Director, Urban Local Bodies,
Haryana, Panchkula.

Dated: 11/4/2015

Endst. No. TA II /DULB /2015/ 1975-76

A copy is forwarded to the Executive Officer/ Secretary of Municipal Corporation/ Council of Yamunanagar and Sirsa with the request to comply with the above mentioned order of the Hon'ble Tribunal.

Executive Engineer-I,
for Director, Urban Local Bodies,
Haryana, Panchkula

शहरी स्थानीय
निकाय निदेशालय
हरियाणा



DIRECTORATE OF URBAN
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NGT COURT CASE
MOST URGENT

To

1. All the Commissioners, Municipal Corporations in the State of Haryana.
2. All the Deputy Commissioners in the State of Haryana.
3. All the Executive Officers/Secretaries of the Municipal Councils/Committees in the State of Haryana.

Memo No: TA II/ DULB/2015/1887 to 1974
Dated: 1/4/15

Subject: Original Application No. 199 of 2014
Almitra H. Patel & Anr. vs. Union of India & Ors.- pending before
Ld. National Green Tribunal, New Delhi.

Reference on the subject cited above.

2. I am directed to inform you that titled case was listed on 20.3.2015 in the Hon'ble National Green Tribunal, Principal Bench, New Delhi and Hon'ble Tribunal directed that
 - i. To make every possible effort to collect municipal solid waste in a segregated form right at the first point of collection. In other words, every effort should be made and people should be educated and incentives should be provided for them to segregate and provide dry and wet municipal solid waste separately by putting them in a separate dust bins.
 - ii. The municipal solid waste so collected shall be transported by the corporation separately and in different containers/vehicles duly covered as per the Municipal Solid Wastes (Management and Handling) Rules, 2000.
 - iii. To levy charges as per Notified by the Govt. vide its order no. 14/153/2011-4C I dated 24.10.2011 on every household on the basis of 'Polluter Pays' Principle.
 - iv. To place dustbins of appropriate sizes in the Jhuggies / colonies and would also educate residents living in the Jhuggies / colonies about the need for waste segregation and mode of waste collection and transportation.
3. Further, you are requested to comply with the above mentioned directions given by the Hon'ble Tribunal and send the action taken report to this office by 15.4.2015 positively.

Executive Engineer-I,
for Director, Urban Local Bodies,
Haryana, Panchkula.