

## DO's



Always maintain your motor vehicles, machineries etc. and its exhaust silencer in proper condition.



Ensure that your Diesel Generator Set is provided with acoustic enclosure.

Keep the volume of the loudspeaker or sound amplification system low so as not to annoy your neighbours.



Say No to Crackers.

Ensure that construction activities take place only in covered/barricaded areas.

Plant more and more trees to act as noise barrier.



## Don't's

- Avoid using horns except at emergencies.
- Avoid use of multi toned/air horns in your vehicle.
- Avoid use of loudspeaker in the open.
- Do not use loudspeaker or any sound amplification system between 10.00 P.M and 6.00 A.M., except in closed premises.
- Do not make your neighbour a captive listener to your music system.
- Do not play fire-crackers between 10.00 P.M. to 6.00 A.M.
- Don't use horn in the silence zones.

Whom to Approach/Who can take action in case of violations of Noise rules.

- All Deputy Commissioners, Office of Divisional Commissioner, GNCTD
- All Sub Divisional Magistrates, Office of Divisional Commissioner, GNCTD
- Asstt. Commissioners of Police (Control Room & Traffic)
- All Sub Divisional Police Officers including Railways & Airports
- Chairman and Member Secretary of Delhi Pollution Control Committee, Delhi

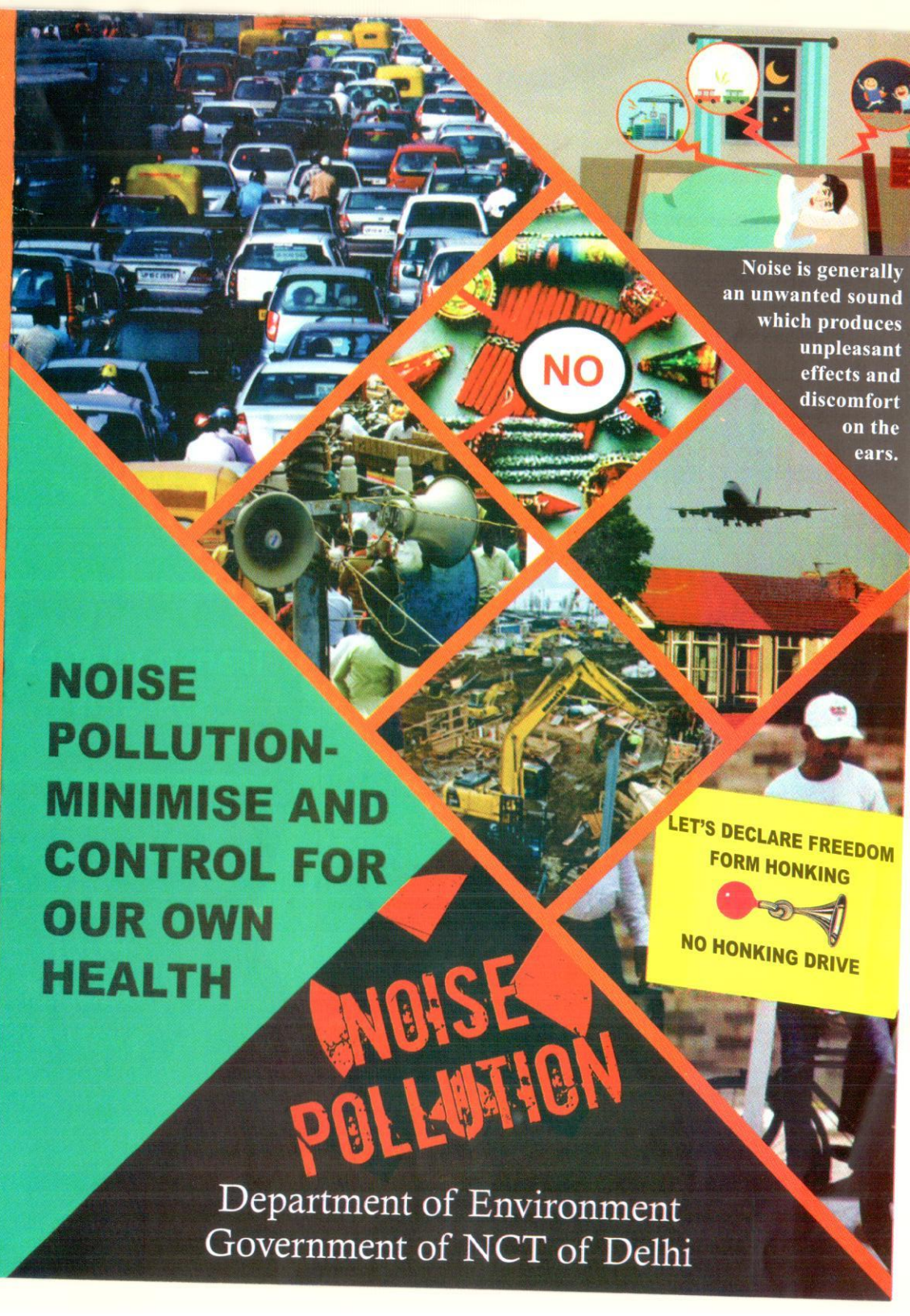
You can instantly register your complaint/grievance regarding Noise Pollution:

1. By calling Delhi Police helpline No. 155271
2. By visiting website [ngms.delhi.gov.in](http://ngms.delhi.gov.in)

DEPARTMENT OF ENVIRONMENT

Government of NCT of Delhi

6th Level, C-Wing, Delhi Secretariat, Delhi - 110002



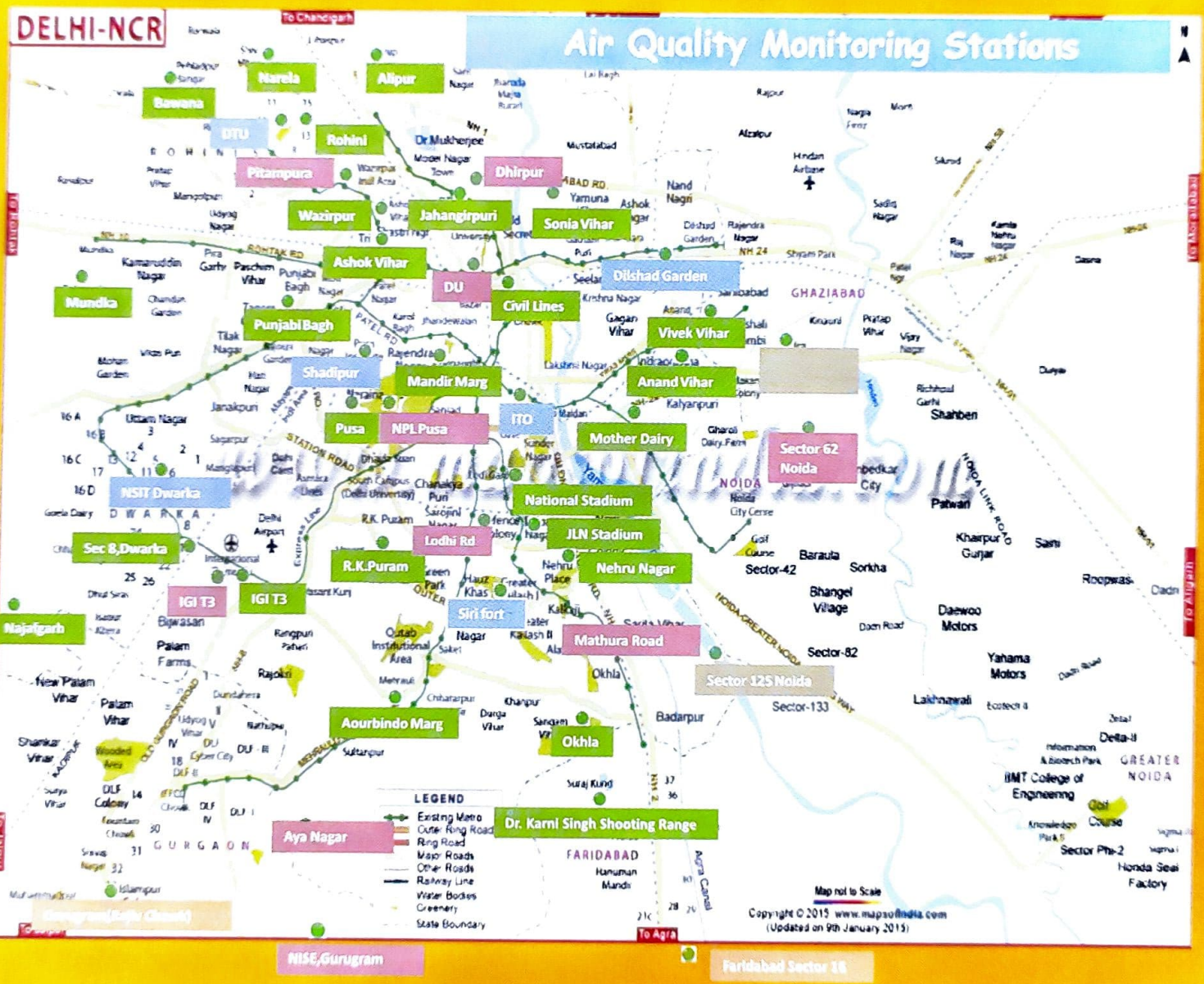
Noise is generally an unwanted sound which produces unpleasant effects and discomfort on the ears.

**NOISE POLLUTION-MINIMISE AND CONTROL FOR OUR OWN HEALTH**

**NOISE POLLUTION**

Department of Environment  
Government of NCT of Delhi

# GRADED RESPONSE ACTION PLAN (GRAP) TO CONTROL AIR POLLUTION



**Department of Environment**  
 Govt. of NCT of Delhi  
 6th Level, C-Wing, Delhi Secretariat, IP Estate, New Delhi-110002  
[www.environment.delhigovt.nic.in](http://www.environment.delhigovt.nic.in)

## **SEVERE + OR EMERGENCY**

(Ambient  $PM_{2.5}$  or  $PM_{10}$  Concentration value of  $300\mu\text{g}/\text{m}^3$  or  $500\mu\text{g}/\text{m}^3$  respectively persist for 48 hours or more)

**STOP ENTRY OF  
TRUCK TRAFFIC  
INTO DELHI  
(EXCEPT ESSENTIAL  
COMMODITY )**



**STOP  
CONSTRUCTION  
ACTIVITIES**



**INTRODUCE  
ODD AND EVEN  
SCHEMES FOR  
PRIVATE VEHICLES**



**TASK FORCE TO TAKE DECISION ON ADDITIONAL STEPS INCLUDING SHUTTING OF SCHOOLS**

## SEVERE

(Ambient  $PM_{2.5}$  or  $PM_{10}$  Concentration value is more than  $250\mu\text{g}/\text{m}^3$  or  $430\mu\text{g}/\text{m}^3$  respectively)



**SHUT DOWN BADARPUR  
POWER PLANT**



**INTENSIFY PUBLIC  
TRANSPORT SERVICES**



**INCREASE FREQUENCY OF  
MECHANIZED CLEANING OF ROAD  
AND SPRINKLING  
OF WATER ON ROADS**

## VERY POOR

(Ambient  $PM_{2.5}$  or  $PM_{10}$  Concentration value is between  $121-250\mu g/m^3$  or  $351-430\mu g/m^3$  respectively)



**STOP USE OF DIESEL GENERATOR SETS**

**ENHANCE PARKING FEE BY 3-4 TIMES**



**INCREASE BUS AND METRO SERVICES**

**STOP USE OF COAL/FIREWOOD**



**RWA AND HOUSE OWNERS TO PROVIDE ELECTRIC HEATERS TO SECURITY GUARDS TO AVOID OPEN BURNING**



**ALERT BY ADVERTISEMENT TO ADVISE PEOPLE TO AVOID POLLUTED AREAS**



## MODERATE TO POOR

(Ambient  $PM_{2.5}$  or  $PM_{10}$  concentration value is between  $61-120\mu\text{g}/\text{m}^3$  or  $101-350\mu\text{g}/\text{m}^3$  respectively)



**Enforce/Stop garbage burning**

**Enforce all pollution control regulations in industries**



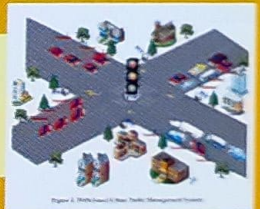
**Mechanical Sweeping and water sprinkling on unpaved roads on every two days**

**Heavy fine for visible emitting vehicles/ Enforcement of PUC norms.**



**Enforce rules for dust control in construction activities**

**Deploy traffic police for smooth traffic flow at vulnerable areas**



**Strict enforcement of diversion of non destined trucks and allow trucks registered after 2005 only to enter into delhi**

**Strictly enforce Supreme Court ban on firecrackers**



**Ensure fly ash ponds are watered**

**Inform people by social media**



## Do's

- ☞ For shorter distances, take a walk.
- ☞ Plan your shopping needs in advance to avoid repeated marketing using transportation.
- ☞ Carpool. Two-or four- can ride as cheaply as one.
- ☞ Get a valid Pollution Under Control Certificate from authorized testing center.
- ☞ Use CNG/Electric based Transportation.
- ☞ Switch off vehicles at Red Light in busy Signals.
- ☞ Carry out Plantation in the neighboring areas.
- ☞ Ensure that construction activities take place only in covered/barricaded areas.
- ☞ Take Piped Gas connection instead of LPG.

## Don'ts

- ☞ Do Not burn Garbage/Plastic/Biomass.
- ☞ Don't use extensively your private vehicles, try to use public transportation whenever possible.
- ☞ Do Not burst Firecrackers.
- ☞ Avoid morning walk and outdoor exercises during severe and very poor Air Quality Index.

### Department of Environment

Govt. of NCT of Delhi

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# Noise Pollution and its Sources

## Acts Related to Noise Pollution Control

- Air (Pollution and Prevention) Act, 1981
- Environment (Protection) Act, 1986
- Noise Pollution (Regulation and Control) Rules, 2000

## Ambient Air Quality Standard in Respect of Noise

Category	Day Time	Night Time
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
All Values dB(A) Leq		

## Industrial Activities

## Transportation systems

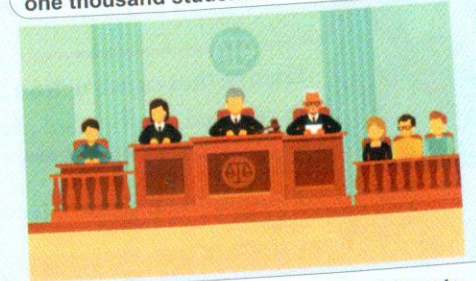
## Loud speakers and Public address systems

## Construction Activities

## Notified areas as Silence Areas/Zones:



An area of 100 meters around all Educational Institutions having more than one thousand students.



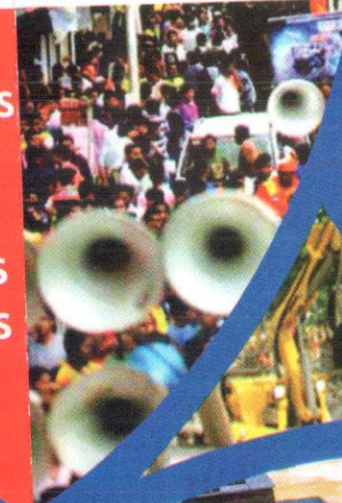
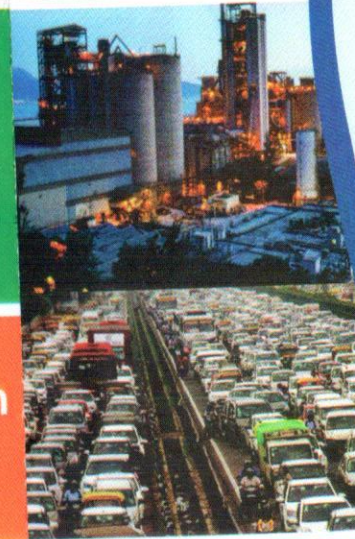
An area of 100 meters around all Courts.



An area of 100 meters around all Government Office Complexes.



An area of 100 meters around all 100 bedded and above hospitals.





# DUST POLLUTION

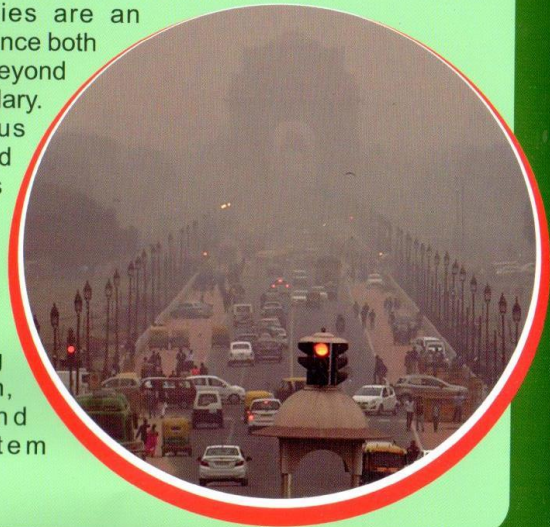
PROTECT  
YOUR  
CITY

Department of Environment  
Government of NCT of Delhi  
[www.environment.delhigovt.nic.in](http://www.environment.delhigovt.nic.in)

## 1. What is Dust:

Dust in general, is fine particles of matter in atmosphere which come from various sources such as soil, construction and demolition activities, vehicle movement etc.

Dust is characterized by a concentration, size and properties of dispersed particles. Dust emissions in the form of particulate matter arising from Construction and Demolition activities are an environmental nuisance both within the site and beyond the plant site / boundary. Dusts from various Construction and Demolition activities release a wide range of particle sizes and material types and can cause both serious health problems ranging from eye irritation, nose, mouth and respiratory system problems.



## 2. Prescribed Standards for Particulate Matter:

Pollutant	Time Weighted Average	Concentration in Ambient Air	
		Industrial, Residential, Rural & Other Area	Ecologically Sensitive Area (notified by Central Government)
Particulate Matter (size less than 10 $\mu\text{m}$ ) or $\text{PM}_{10}$ $\mu\text{g}/\text{m}^3$	Annual	60	60
	24 Hours	100	100
Particulate Matter (size less than 2.5 $\mu\text{m}$ ) or $\text{PM}_{2.5}$ $\mu\text{g}/\text{m}^3$	Annual	40	40
	24 Hours	60	60

Source: NAAQS notification dated 18.11.2009.

### 3. Sources of Dust:

- Demolition of existing and old structures;
- Renovation of existing buildings (residential or commercial);
- Construction of new buildings (residential or commercial or hotel or school etc.);
- Excavation/ reconstruction of asphalt/ concrete roads;
- Construction of new fly over bridges/ under bridges/ sub-ways etc.;
- Renovation/ Installation of new water/ telephone/ internet/ sewer pipe lines etc.
- Silt collection and disposal system.
- Particles from wear of brakes, tyres and clutches, road surface abrasion and re-suspension of accumulated dust particles on the road surface and kerbside in the wake of passing traffic.



### 4. Harmful Health Effects of Dust Pollution:

- Dust induced eye irritation, coughing, sneezing etc.
- Allergy
- Decreased lung function
- Increased episodes of asthma attacks etc.
- Children and Old age people are most affected.



### 5. Existing Regulation/Acts/Rules related to Dust Pollution Control:

- Environment (Protection) Act, 1986 and Rules/ Notification there under
- Air (Prevention and Control of Pollution) Act, 1981
- Orders of Hon'ble National Green Tribunal (NGT) in OA 21/2014 titled Vardhman Kaushik Vs UOI and Ors and other orders of Hon'ble courts
- Fine / environment compensation as per order of Hon'ble NGT

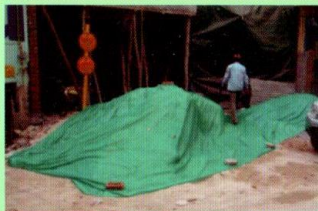
- |    |   |
|----|---|
| a. | On spot fine for violations at construction site: <ul style="list-style-type: none"><li>i. If the offending construction in plot upto 100 sq. mt. the environmental compensation would be Rs. 10,000/-</li><li>ii. If the offending construction in more than 100 sq. mt. but upto 200 sq. mt., the environmental compensation would be Rs. 20,000/-</li><li>iii. If the offending construction is in a plot more than 200 sq. mt. But less than 500 sq. Mt. the environmental compensation would be Rs. 30,000/-</li><li>iv. If the offending construction is in a plot area of more than 500 sq. mt. the environmental compensation would be Rs. 50,000/-</li><li>v. Wherever the constructed area is more than 20,000 sq. mt. the environmental compensation would be Rs. 5 Lakhs.</li></ul> |
| b. | Fine of Rs. 5,000/- on dumping of construction and other waste material in public places.   |
| c. | Fine of Rs. 5,000/- for each violation during carriage and transportation of construction material, debris through trucks or other vehicles.  |
| d. | Ban on dumping of construction material into the Yamuna with imposition of a fine of Rs 50,000/- on the violators.  |

(Refer website: <http://www.greentribunal.gov.in/> )

## 6. Some Mitigation Measures to control Dust Pollution:

### a) Dust pollution Control measures at construction site- Storage of construction material and C&D wastes:

- Store the sand and other fine aggregates in demarcated areas with a covering.
- Store the loose cement in silos and other fine material in sealed bags.
- Raise barricade along the perimeter and Mount dust barrier sheet extarpaulin / plastic on scaffolding around the construction / demolition building – particularly side facing residential areas.
- Locations of storage / dumping wastes within site to be such to ensure minimum dust dispersal during handling (loading / unloading).
- Ensure no storing / dumping C&D wastes / construction material on metalled (pucca) roads.
- Cordon off sites of demolition activities and take adequate measures to reduce dispersal of dust beyond site limits.
- Sprinkle water / fine spray from nozzles to suppress dust re-suspension at site.
- Simultaneously develop of green buffer at construction site (preferably shrubs & trees that have low uptake of water).



### b) Dust Pollution Control during transportation of Construction material and C&D wastes:

- Cover the C&D material by a sheet made of either jute, tarpaulin, plastic or any other effective material.
- Do not overload Trucks / lorries.
- Ensure minimization of dispersal of dust borne particles during unloading activities of construction material at site / off site by using water sprinklers or covering by a sheet made of either jute, tarpaulin, plastic or any other effective material.
- Roads surfaces to be well maintained to avoid jerk to transport vehicles.

- Bound or enclose the equipment / machineries include transporting (conveyor belt) crushing / hammering etc and use of water sprinklers to suppress dust emissions.
- Maintain the transport vehicles (PUC compliance).
- Damp the routes of transport vehicles within construction site by water (preferably treated waste water) sprinklers.
- Provided necessary safety equipment such as face masks, gloves etc to workers.



(Source: Central Pollution Control Board <https://goo.gl/bKqzo5> )

## 7. Whom to Approach

- All Municipal Corporations (East Delhi Municipal Corporation, South Delhi Municipal Corporation, and North Delhi Municipal Corporation), New Delhi Municipal Council, Delhi Cantonment Board, Delhi Development Authority, Public Works Department,
- SDM and Tehsildars of all the Districts (Revenue Department)
- Delhi Pollution Control Committee
- Delhi Traffic Police

## 8. What a Citizen can do on finding violation:

To receive the public complaints in order to control dust pollution, Delhi Pollution Control Committee (DPCC) has opened whatsapp account with mobile number "9717593574" and "9717593501".



**Your efforts and alertness can make a lot of difference towards controlling Dust Pollution.**

**Department of Environment**

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