

**Application Procedure for the Construction & Demolition Waste Management Rules, 2016**

- **Open the URL (<http://bhocmms.nic.in/>) in the browser.**
- **Check the radio button Industrial/HCE login**
- **Enter your User ID and Password.**
- **Fill in the correct Captcha Code.**
- **In next page Click on ‘Construction & Demolition Authorization.’**
- **Select ‘Apply for Construction & Demolition Waste present on left hand pane.**
- **No fee is payable for authorization.**
- **Documents list in Annexure A**

**Check list of documents required for authorization:**

1. Form-1 as per C&D Waste Management Rules, 2016.
2. No processing fee is applicable for such authorization.
3. Annual report (Form-4) as per C&D Waste Management Rules, 2016 (for renewal cases).
4. Copy of valid CTE/CTO obtained from board & Site clearance from Prescribed Authority.
5. Copy of CA certificate.
6. Detailed Project Report (DPR) including details regarding C&D waste processing/recycling and disposal facility.
7. Agreement between competent authority or local authority and operating agency (as applicable).
8. Details about methodology adopted for prevention and control of environmental pollution.
9. Undertaking regarding compliance of all provisions of C&D Waste Management Rules, 2016.
10. Details about occupational health & safety measures adopted.
11. Proof of installed capacity for processing of the C&D waste.
12. Action plan for prevention of any accident during the collection, transportation and treatment including processing and recycling.
13. Copy of agreement with plastic waste recycler/E-waste recycler/CBWTF/CHWTDF & Authorized recyclers under HWM Rules. (As applicable for safe disposal of respective wastes)
14. Copy of fresh analysis reports of effluent/air emissions/ noise analyzed from Board's lab/recognized lab. (not more than 03 months old in renewal cases).  
(Work Zone air quality at the Processing or Recycling site and ambient air quality at the vicinity shall be monitored. The measurement of ambient noise shall be done at the interface of the facility with the surrounding area, i.e., at plant boundary.)

Note: The following projects shall be exempted from the norms of pollution from dust and noise as mentioned above:

For construction work, where at least 80 percent construction and demolition waste is recycled or reused in-situ and sufficient buffer area is available to protect the surrounding habitation from any adverse impact.

## **Undertaking**

1. I ----- an authorized officer of urban local authority /authorized person of agency hired by local body/operator of facility and also responsible for overall functioning (i.e. processing/ recycling) of the C&D waste facility developed at \_\_\_\_\_.
2. That I am aware of all the provisions of C&D Waste Management Rules, 2016, guidelines framed by CPCB regarding dust and noise mitigation measures.
3. I undertake to comply with all the provisions mentioned in C&D Waste Management Rules, 2016 & amendments thereof.

In case of the non compliance of above undertaking or false declaration found at any stage, the board will be at liberty to take penal action under the provisions of Environment (Protection) Act, 1986 (29 of 1986).

Authorized Signatory  
Name & Designation  
with Ph no., Email address  
& seal of the company

Dated:

**Name and address of Regional Office**

No. :

Date:

To

M/s.....  
.....  
.....

**Sub:** Show Cause notice for refusal of Authorization under Construction and Demolition Waste Management Rules, 2016.

Please refer to your application dated .....received in the Board for Authorization under C&D Waste Management Rules, 2016. Accordingly, Show Cause Notice for refusal of Authorization under above said Rules is issued for submitting reply or for taking corrective measures for the shortcomings observed in your application as per details given below:-

General Shortcomings:

In case, you fail to submit reply or submit compliance of the shortcomings within 15 days then authorization under C&D Waste Management Rules, 2016 sought vide your above referred application, shall be refused.

In future, your facility would be processing / recycling C&D waste at your own risk in violation of the above said rules and will be liable for penal action under the provisions of Environment (Protection) Act, 1986 (29 of 1986).

Regional Officer \_\_\_\_\_  
For Bihar State Pollution Control Board

**Name and address of Regional Office**

No. :

Date:

To

M/s.....

.....

.....

**Sub:** Refusal of Authorization under Construction and Demolition Waste Management Rules, 2016.

Please refer to your application dated -----received in the Board for Authorization under C&D Waste Management Rules, 2016. Your above referred application has been examined by the board and it has been observed that the application submitted by you is incomplete and not conforming to the provisions of C&D Waste Management Rules, 2016. Accordingly, Show Cause notice for refusal of authorization under above said rules containing the shortcomings were issued on dated -----but you have failed to take corrective measures for the shortcomings and incompleteness in your application referred above as per detail given below:

**Shortcomings:**

In view of above stated facts, the authorization under rule 7(2) of C&D Waste Management Rules, 2016 sought vide your above referred application, is hereby refused.

In future, your facility would be processing / recycling C&D waste at your own risk in violation of the above said rules and rendering yourself liable for penal action under provisions of Environment (Protection) Act, 1986 (29 of 1986).

Regional Officer \_\_\_\_\_  
For Bihar State Pollution Control Board

**Form-II**

**Name and address of Regional Office**

No. :

Date:

To

M/s.....  
.....  
.....

**Sub:** Grant of Authorization under Construction and Demolition Waste Management Rules, 2016.

1. Ref: Your application number \_\_\_\_\_ dated \_\_\_\_\_
2. The Haryana State Pollution Control Board after examining the proposal hereby authorized \_\_\_\_\_ having administrative office at \_\_\_\_\_ to set up and operate construction and demolition waste processing/recycling facility at \_\_\_\_\_ on the terms and conditions (including standards to comply) attached to this authorization letter and details of authorization are given below:-

**Details of Authorization**

<b>Sr. No.</b>	<b>Particulars</b>	<b>(Ton/day)</b>
1.	<b>Average quantity of waste to be handled</b>	
2.	<b>Total quantity of waste processed</b> <ul style="list-style-type: none"><li>• Concrete</li><li>• Soil, sand &amp; Gravel</li><li>• Bricks and masonry</li><li>• Metals</li><li>• Bitumen</li><li>• wood</li><li>• Others</li></ul>	
3.	<b>Type &amp; Quantity of product formed from processing of C&amp;D waste (specify name of product &amp; quantity in TPD)</b>	
4.	<b>Total quantity of waste disposed into landfill per day/per month</b>	

**Terms & Conditions:**

1. The validity of this authorization is till\_\_\_\_\_. Facility has to apply for renewal of authorization atleast 90 days prior to the expiry of the validity of authorization.
2. The Bihar State Pollution Control Board at any time, for justifiable reason, revokes any of the conditions applicable under the authorization and shall communicate the same in writing.
3. Any violation of the provision of the construction and demolition Waste Management Rules, 2016 shall attract the penal provision of the Environment (Protection) Act, 1986 (29 of 1986).
4. The said facility will adopt all measures for occupational safety and health of the workers.
5. Construction and demolition waste should be used in sanitary landfill (for solid waste) as per Schedule III of C&D Waste Management Rules, 2016.
6. Operations of equipment / machineries include transporting (conveyor belt) crushing / hammering etc deployed at site should be bounded (enclosed) and sufficient water sprinklers should be installed in order to suppress dust emissions.
7. Routes of transport vehicles within construction site should be damped by water (preferably treated waste water) sprinklers.
8. Dry sweeping of work areas should be prohibited.
9. All areas for storing C&D wastes / construction material should be demarcated and preferably barricaded particularly those materials that have potential to be dust borne.
10. The unit shall ensure proper operation/maintenance of the pollution control equipments in order to control the fugitive emissions from various activities/processes so as to ensure clean and safe environment in an around its premises.
11. The unit shall comply with the directions issued by MoEF&CC/CPCB/CAQM/BSPCB/NGT or any other authority from time to time.
12. The Noise levels in any area/zone shall not exceed the ambient air quality standards in respect of noise as specified in the **Noise (Regulation & Control) Rules 2000 for industrial area/zone**

**Table 7.1: Ambeint Air Quality Standards in respect of Noise  
Noise (Regulation & Control) Rules 2000**

Area code and Category of area/zone	Day Time Limits in dB(A) Leq*
<b>A. Industrial Area</b>	<b>75</b>
<b>B. Commercial Area</b>	<b>65</b>
<b>C. Residential Area</b>	<b>55</b>
The above measurements are measured as LAeq which is the equivalent continuous (energy average) level (A-weighted).	

13. The standards for emission and discharge of Environmental pollutants as prescribed under EP Rule, 1986 for stone crushers needs to be complied at site for crushing/hammering operations.

14. The facility should comply with Ambient Air Quality standards as prescribed by MoEF & CC, Govt. of India vide Gazette notification dated 18.11.2009 (specifically particulate matter at outer boundary of the facility should be within prescribed limits).

Table 8.1: National Ambient Air Quality Standards (NAAQS)

Sr. no.	Pollutants	Time Weighted Average	Concentration in Ambient Air		Methods of measurement
			Industrial Residential, Rural and other Areas	Ecological Sensitive Area (notified by Central Govt.)	
1.	Sulphur Dioxide (SO <sub>2</sub> ), µg/m	Annual*	50	20	1. Improved West and Gaeke 2. Ultraviolet Fluorescence
		24Hours**	80	80	
2.	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	Annual*	40	30	1. Modified Jacob & Hochheiser (Na-Arsenite) 2. Chemiluminescence
		24Hours**	80	80	
3.	Particulate Matter (Size <10µm) or PM <sub>10</sub> µg/m <sup>3</sup>	Annual*	60	60	1. Gravimetric 2. TOEM 3. Beta attenuation
		24Hours**	100	100	
4.	Particulate Matter (Size <2.5µm) or PM <sub>2.5</sub> µg/m <sup>3</sup>	Annual*	40	40	1. Gravimetric 2. TOEM 3. Beta attenuation
		24Hours**	60	60	
5.	Ozone (O <sub>3</sub> ), µg/m <sup>3</sup>	8 hours**	100	100	1. UV photometric 2. Chemi-luminescence 3. Chemical Method
		1 hours **	180	180	
6.	Lead (Pb), µg/m <sup>3</sup>	Annual*	0.50	0.50	1. AAS/ICP Method after sampling using EPM 2000 or equivalent filter paper 2. ED-XRF using Teflon filter
		24Hours**	1.0	1.0	
7.	Carbon Monoxide (CO), mg/m <sup>3</sup>	8 hours**	02	02	Non dispersive Infra Red (NDIR) Spectroscopy
		1 hours **	04	04	
8.	Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	Annual*	100	100	1. Chemi-luminescence 2. Indophenol blue method
		24Hours**	400	400	
9.	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	Annual*	05	05	1. Gas chromatography based continuous analyzer 2. Adsorption and Desorption followed by GC analysis
10.	Benzo(a)Pyrene (BaP)- particulate phase only, ng/m <sup>3</sup>	Annual*	01	01	Solvent extraction followed by HPLC/GC analysis
11.	Arsenic (As), ng/m <sup>3</sup>	Annual*	06	06	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper
12.	Nickel (Ni), ng/m <sup>3</sup>	Annual*	20	20	AAS/ICP method after sampling on EPM 2000 or equivalent filter paper



15. In order to prevent pollution from processing or recycling operations, the following provisions shall be made, namely:
- (a) Provision of storm water drains to prevent stagnation of surface water;
  - (b) Provision of paved or concreted surface in selected areas in the processing or recycling facility for minimizing dust and damage to the site.
  - (c) Prevention of noise pollution from processing and recycling plant:
  - (d) Provision for treatment of effluent if any, to meet the discharge norms as per Environment (Protection) Rules, 1986.
16. A vegetative boundary shall be made around Processing or Recycling plant or site to strengthen the buffer zone.

**Specific Conditions (If any)**

Regional Officer \_\_\_\_\_  
For Bihar State Pollution Control Board

**FORM - I**  
**See [Rule 7 (2)]**  
**Application for obtaining authorization**

To  
The Member Secretary

\_\_\_\_\_ Name of the local authority or Name of Agency appointed by Municipal  
Committee

Correspondence Address Telephone No Fax No.	
Nodal Officer and designation (Officer authorized by the competent authority or agency responsible for operation of processing or recycling or disposal facility)	
Authorization applied for (Please tick mark)	Setting up of processing or recycling facility of construction and demolition waste
Detailed proposal of construction and demolition waste processing or recycling facility to include the following:- <ol style="list-style-type: none"> <li>1. Location of site approved and allotted by the competent authority.</li> <li>2. Average quantity (in tons per day) and composition of construction and demolition waste to be handled at the specific site. <ul style="list-style-type: none"> <li>• Non — structural concrete aggregate( in metric TPD) <ul style="list-style-type: none"> <li>Manufactured sand (TPD)</li> <li>• Ready —mix concrete (RMC) (TPD)</li> <li>• Paving blocks (TPD)</li> <li>• GSB (TPD)</li> <li>• Other, if any, please specify.</li> </ul> </li> </ul> </li> <li>3. Details of construction and demolition waste processing or recycling technology to be used.</li> <li>4. Quantity of construction and demolition waste to be processed TPD. <ul style="list-style-type: none"> <li>• Concrete</li> <li>• Soil, sand &amp; Gravel</li> <li>• Bricks and masonry</li> <li>• Metals</li> <li>• Bitumen</li> <li>• wood</li> <li>• Others</li> </ul> </li> <li>5. Site clearance from Prescribed Authority(<b>enclose copy of supportive document</b>)</li> <li>6. Salient points of agreement between competent authority or local authority and operating agency (<b>attach relevant document</b>).</li> </ol>	

<p>Plan for utilization of recycled product.</p> <ol style="list-style-type: none"> <li>1. Expected amount of process rejects and plan for its disposal (e.g., sanitary landfill for solid waste) (<b>enclose copy of supportive document</b>).</li> <li>2. Measures to be taken for prevention and control of environmental pollution (<b>enclose copy of supportive document</b>).</li> <li>3. Investment on project and expected returns (<b>enclose copy of supportive document</b>).</li> <li>4. Measures to be taken for safety of workers working in the processing or recycling plant (<b>enclose copy of supportive document</b>).</li> </ol> <p>Any preventive plan for accident during the collection, transportation and treatment including processing and recycling should be informed to the Competent Authority (Local Authority) or Prescribed Authority (<b>enclose copy of supportive document</b>).</p>	
<p><b>Date:-</b></p>	<p><b>Signature of Nodal Officer</b></p>

Name & Address of Regional Office  
BIHAR STATE POLLUTION CONTROL BOARD

**Verification report in regard to compliance of C&D Waste Management Rules,  
2016**

S. No.	Description	
(i)	Name & Address of unit	
(ii)	Date of receipt of application	
(iii)	Application at Regional Office	
(iv)	Verification date	
(v)	GPS coordinate of C&D waste treatment facility <b>(8 digit after decimal mandatory)</b>	Latitude Longitude
(vi)	Industry type	
(vii)	Industry is involved in prosecution/PIL/court case if yes, give details	
(viii)	Any complaint from public or Govt. Is pending if yes, give details	
(ix)	<b>Quantity and composition of construction and demolition waste including any deconstruction waste</b>	
a)	Capacity of the processing or recycling facility	<b>Quantity - TPD</b>
b)	Total quantity of construction and demolition waste collected	<b>Quantity - TPD</b>
c)	Details of construction and demolition waste processing or recycling technology to be used.	
d)	Total quantity of construction and demolition waste processed / recycled)	<b>Quantity - TPD</b>
	Concrete	<b>Quantity - TPD</b>
	Soil, sand & Gravel	<b>Quantity - TPD</b>
	Bricks and Masonary	<b>Quantity - TPD</b>
	Metals	<b>Quantity - TPD</b>
	Bitumen	<b>Quantity - TPD</b>
	wood	<b>Quantity - TPD</b>
	Other , if any, please specify	

e)	Type & Quantity of product formed from processing of C&D waste (specify name of product & quantity in TPD)					
f)	Total quantity of waste disposed into landfill per day/per month					
(x)	Comments and details on compliance of guidelines followed by unit for installation of environmental sound technology regarding handling and management of waste at site.					
(xi)	Give details regarding compliance of conditions specified in authorization earlier granted (for renewal case)					
(xii)	Remarks					
(xiii)	Over all recommendation for authorization under C &D Waste Management Rules, 2016.					
(xiv)	Giving Grant or Refuse					Grant/Refuse
(xv)	Grant time period					From ___ to ___
(xvi)	Type of effluent					
	Type of effluent	Year	No. of outlets	Quantity (KLD)	Mode of disposal	Remarks (Reason for variation)
(xvii)	Product detail					
	Product name	product capacity			Unit.	

Uploaded on:-

Name of Office.....  
 Designation.....  
 Inspecting officer.....  
 Name of Regional Officer....

(Signature and seal of unit Representative)

Name & Address of Regional Office  
BIHAR STATE POLLUTION CONTROL BOARD

**Spot inspection report in regard to compliance of C&D Waste Management Rules, 2016**

S.No	Description				
(i)	Name of the city/town				
(ii)	Name and address of the local authority or competent authority				
(iii)	Telephone No				
(iv)	Email id				
(v)	Website				
(vi)	Name of In charge or Nodal officer(ULB) dealing with construction and demolition waste management with designation	Name	Designation	Office	Remarks
1	Quantity and composition of construction and demolition waste including any other deconstruction waste				
a)	Capacity of recycling or processing facility	Quantity- TPD			
b)	Total quantity of construction and demolition waste collected	Quantity- TPD			
c)	Details of Construction & Demolition waste processing or recycling technology to be used				
d)	Total quantity of construction and demolition waste processed or recycled	Quantity- TPD			
i)	Non-structural concrete aggregate	Quantity- TPD			
ii)	Sand	Quantity- TPD			
iii)	Ready mix concrete (RMC)	Quantity- TPD			
iv)	Paving blocks	Quantity- TPD			
v)	GSB	Quantity- TPD			
vi)	Other , if any, please specify				
e)	Total quantity of construction and demolition waste disposed by land filling without processing (last option) or filling low lying areas	Quantity-TPD			
i)	No of land filling sites used				
ii)	Area Used: in Sq. meter				

iii)	Whether weigh bridge facility used for quantity measuring	Yes/No if yes, than detail				
f)	Whether construction and demolition waste used for sanitary landfill (for solid waste Schedule-III)	Yes/No Detail Attachment				
2	Storage facility					
a)	Area or location or plot or societies covered for collection of Construction and Demolition waste	Area in Sq. meter Detail				
b)	No. of large Projects (including roadways project) covered					
3	Transportation	Transportation	Existing	Actually Required	Proposed number	
		Truck Truck (Hydraulic) Tractor Trailer Dumper- placers, Tricycle Refuse collector JCB/Loader GPS available Other means				
4	Whether any proposal has been made to improve Construction and Demolition waste management practices/Operational C & D Facilities	YES/No Details :-				
5 (A)	<b>Plan for utilization of recycled product</b>					
i.	Measures taken for prevention and control of environmental pollution.					
ii.	Measures to be taken/ being taken for safety of workers working in the processing or recycling plant					
(B)	Other details					
•	Whether processing recycling site	YES/NO Fenced or hedged : YES/NO Gate provided : YES/NO Vegetative Boundary provided around facility: YES/NO Detail:-				
•	Whether the approach road is paved	Yes/No				
•	Whether the internal road of facility are concrete paved	Yes/No				

•	Whether utilities such as drinking water & sanitary facility provided	Yes/No
•	Whether lighting arrangements done for easy landfill operations during night hours	Yes/No
•	Whether processing / recycling facility is having provisions of storm water drain to prevent surface runoff of water	Yes/No
•	Provision made for prevention of noise pollution in processing/recycling facility.	Yes/No (If yes provide details)
•	Ambient Noise level at the interface of the facility	
•	Provision of treatment of effluent if any to meet the discharge norms as per EP, Act 1986	
•	Details of measures taken to control the dust emissions from processing of C&D waste, as per the provisions mentioned in C&D Waste Management Rules, 2016.	

Name of Office.....  
Designation.....  
Inspecting officer.....  
Name of Regional Officer....

(Signature and seal of unit Representative)