
HARYANA STATE POLLUTION CONTROL BOARD
C-11 Sector-6, Panchkula
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Date 26-09-2025

To

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032.

Subject:- Submission of annual report of C&D Waste Management Rules, 2016 for the year 2024-25.

Kindly refer to the subject noted above.

In this connection, I have been directed to enclose herewith the Annual Report for the year 2024-25 under C&D Waste Management Rules, 2016 for kind information and further necessary action please.

DA/ As Above.

Digitally signed by
MONIKA
Date: 26-09-2025
17:17:07

Scientist-C (SWM Cell)
For Chairman

Endst.

A copy of the above is forwarded to the following for information & necessary action please:

1. Environmental Engineer (IT) HSPCB for uploading the Annual Report on the website of the Board.
2. Nodal Officer, E-Sanyojan, HSPCB for uploading the annual report on E-Sanyojan Portal of CPCB.

DA/ As Above.

Form-IV

See (Rule (8) (3))

Format for Annual Report to be submitted by the State Pollution Control Board/Committees to the Central Pollution Control Board.

Name of the State/Union Territory	Haryana
Name & address of the State Pollution Control Board/Pollution Control Committee	Haryana State Pollution Control Board, C-11, Sec-6, Panchkula
Number of municipal authorities responsible for management of municipal solid waste in the State/Union territory under these rules	87
A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule III	Attached as Annexure-I
A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule IV	Schedule IV is not available with C&D rule. However Status report regarding compliance with regard to Construction & Demolition Waste Management Rules 2016 is Annexed as Annexure-II and annual report submitted by Urban Local Bodies is attached as Annexure-III

Annexure-I

Time frame for Planning and Implementation

Formulation of policy by State Government	A policy for management of Construction & Demolition waste has also been notified by Govt. of Haryana in November 2020. Copy of policy is attached as Annexure-IV
Identification of sites for collection and processing facility	80 Nos. of C & D waste storage site have been identified. Further, 02 Nos. of Processing Plants each at Gurugram and Rewari have been installed.
Commissioning and implementation of the facility	DULB has identified 82 C&D sites for separate storage of C&D waste. Municipal Corporation, Gurugram has already established a processing plant of Construction and Demolition Waste at Village Basai to treat 300 MT of C&D Waste, Further, Municipal Council, Rewari has also established 400 TPD C&D Waste Management Plant.
Monitoring by SPCBs	Monitoring of processing plant is being done by Haryana State Pollution Control Board.

Annexure-II

Status report regarding compliance with regard to Construction & Demolition Waste Management Rules 2016

Construction and Demolition (C&D) waste-disposal and handling:-Municipal Corporation, Gurugram has established a processing plant of Construction and Demolition waste at Village Basai to treat 300 MT of C&D Waste daily, And a plant of 400 TPD also operational in the jurisdiction of Municipal Council Rewari to process the C&D Waste.

For remaining towns the status is as under:-Apart from above listed ULBs rest of the ULBs in State have the Waste generation below 50 TPD and it is not viable to set up the C&D Waste Management Plant so the remaining ULBs are using the waste for filling in low lying areas of the city.

For remaining towns the status is as under: -As per C&D Waste Rules 2016, all ULBs must identified separate site for C&D waste collection. At present, 82 ULBs have identified C&D sites for separate storage of construction and demolition waste. The detail of Municipalities who have identified the site for dumping of C&D waste is as given below:-

Sr. No.	ULB Name	Site identified for dumping of C&D Waste
1	Ambala City	Yes
2	Faridabad	Yes
3	Gurugram	Yes, and Processing Plant
4	Hisar	Yes
5	Karnal	Yes
6	Panchkula	Yes
7	Panipat	Yes
8	Rohtak	Yes
9	Sonepat	Yes
10	Yamuna Nagar	Yes
11	Bhiwani	Yes
12	CharkhiDadri	Yes
13	Fatehabad	Yes
14	Sohna	Yes
15	Hansi	Yes
16	Bahadurgarh	Yes
17	Jhajjar	Yes
18	Jind	Yes

Sr. No.	ULB Name	Site identified for dumping of C&D Waste
19	Sirsa	Yes
20	Thanesar	Yes
21	Hodal	Yes
22	Palwal	Yes
23	Rewari	Yes, and Processing Plant
24	Gohana	Yes
25	Barara	Yes
26	Naraingarh	Yes
27	BawaniKhera	Yes
28	Loharu	Yes
29	Siwani	Yes
30	Farukhnagar	Yes
31	Pataudi Mandi	Yes
32	Barwala	Yes
33	UklanaMandi	Yes
34	Beri	Yes
35	Julana	Yes
36	Safidon	Yes
37	Cheeka	Yes
38	Kalayath	Yes
39	Pundri	Yes
40	Assandh	Yes
41	Gharaunda	Yes
42	Indri	Yes
43	Nilokheri	Yes
44	Nissing	Yes
45	Taraori	Yes
46	Shahabad	Yes
47	Nuh	Yes
48	Punhana	Yes
49	Taruru	Yes
50	Hathin	Yes
51	Samalkha	Yes
52	Bawal	Yes

Sr. No.	ULB Name	Site identified for dumping of C&D Waste
53	Dharuhera	Yes
54	Kalanaur	Yes
55	Sampla	Yes
56	Gannaur	Yes
57	Kharkhoda	Yes
58	Radaur	Yes
59	Rajound	Yes
60	Tohana	Yes
61	Kanina	Yes
62	FerozpurJhirka	Yes
63.	Rania	Yes
64	Ratia	Yes
65	Bhuna	Yes
66	JakhalMandi	Yes
67	AteliMandi	Yes
68	Narnaud	Yes
69	NangalChoudhary	Yes
70	Ellenabad	Yes
71	Meham	Yes
72	Mahendergarh	Yes
73	MandiDabwali	Yes
74	Pehowa	Yes
75	Ladwa	Yes
76	AmbalaSadar	Yes
77	Narnaul	Yes
78	Kundli	Yes
79	Kalka-Pinjore	Yes
80	Narwana	Yes
81	Uchana	Yes
82	Sadhura	Yes

MCs have also been directed to ensure that all the contractors, builders & individuals should comply with the C&D waste management rules and the challans on violators should be done for non-compliance.

ULB Department of Haryana has issued 1251 Nos. Challan of amounting collected to Rs. 1,10,62,800/- against the non-compliance of C&D Waste management Rules-2016 during the financial year 2024-25.

Name of the District	Name of Municipality	Name of Nodal Officer of C&D waste Management	Contact No. of Nodal Officer	Population during Year 2021-2024 (Lakh)	1-Quantity and composition of construction and demolition waste including any deconstruction waste (Ton)	Any figures for lean period and peak period generation per day	Average generation of C&D waste TPD	Total quantity of construction and demolition waste collected per day	Any Processing/ Recycling facility set up in the city	Status of the facility	Is Total quantity of construction and demolition waste processed / recycled (in metric ton) Non-structural concrete aggregate (MT)	Manufactured Sand (MT)	Ready Mix Concrete (MT)	Paving Blocks (MT)	GSR (MT)	Others, if any please specify (MT)	C) Total quantity of construction & Demolition waste disposed by land filling without processing (last option) or filling low lying areas No. of Landfill sites used
Fatehabad	Municipal Council Fatehabad	Sh. Rajender Parashad Executive Officer	9896414256	96024	1	0	1	1	No		0	0	0	0	0	0	1
Hisar	Narnaud	Sh. Parveen Gautam J.E	9813287010	20074	0.5	0.7 to 0.50	0.5	0.5	Nil	NA	0	0	0	0	0	0	1.000
Ambala	Municipal Council, Ambala Sadar	Divinder Narwal	171643280	256460	2	0	2	2	Yes		0	0	0	0	0	0	1.36 (4)
Kaithal	Rajound	Ashok Kumar	17434	17434	0.49	0	0.5	0.5	yes		6	0	0	0	0	0	6
Rewari	MC Dharnhera	Satyv Prakash, ME	34097	34097	1.7		1.7	1.7	No		0	0	0	0	0	0	0.34
Bhiwani	MC Swani	Shri Bhagwan Sharma	9416303013	Approx. 25000	0.40	0.6	0.4	0.4	Nil	Nil	0	0	0	0	0	0	1
Jind	Jind	Ami Kumar (ME)	8930337777	167592	1.5	1-1.04	1.5	1.5	Nil		0	0	0	0	0	0	1
PALWAL	MUNICIPAL COUNCIL HODAL	Manabder	70820	70820	365	0	1	1	No		0	0	0	0	0	0	365 (32)
Jhajjar	Bahadurgarh	Jaginder Singh (ME)		204242	2	3	2	2	No		0	0	0	0	0	0	2 (1)

Sonpat	Gahana	Brijesh	79888081914	77426	1.69	0-3	1.69	0.425	No	NA	0	0	0	0	0	0	0	1.69
Rohak	Sampla	Anil Kumar, ME	865873921	25800	0.06	0.47	0.06	0.06	Nil	No	0	0	0	0	0	0	0	22
Mahendergarh	MC Mahendergarh	Navdeep Kumar, JE		31682	0.5	0.5-2	1.2	1	No		0	0	0	0	0	0	0(1)	
REWARI	BAWAL	Sh. Sunil Kumar (Municipal Engineer)	8901202433	16776	0.3	Lean 0.1 Peak 0.5	0.30	0.30	Nil		0.05	0.05	0.1	0.1	0.01	---	0.3	
Palwal	Palwal	Sunil Ranga		231695	1.5	No	1.5	1.5	No		Used for low lying areas	0	0	0	0	0	547(45)	
Hisar	MC Ukana	Navdeep	9729354532	18445	0.5	0.7 to 0.50	0.5	0.5	Nil	NA	0	0	0	0	0	0	1,000	
Nuh	Tauru	Manish Schrawat	9891920302	7034	1	1 to 2	1	0.25	Nil		0	0	0	0	0	0	1	
Sonpat	MC Kundli	Brijesh	79888081914	46279	3.4	0-6.9	3.4	0.5	No	NA	0	0	0	0	0	0	1	
karnal	Nisimg	Sh. Manjeet Rathi (ME)	9728454721	21438	1	....	1.2	0.8	C&D filling in low lying area	....	0.8	0	0	0	0	....	1
Kurukshetra	Pehowa	Mohan Lal (Secretary)	9351208000	38852	0.015	0	0.015	0.015	Nil	Nil	0	0	0	0	0	0	1	
Jhajjar	MC Jhajjar	Sunil Kumar (ME)	9467795063	72500	0.1	0	0.1	0.1	At Bahadurgarh road identified for Used in low area		0	0	0	0	0	0	0	
Fatehabad	Jahhal Mandi	Sh. Parveen Kumar Secretary		16075	0.13	0.1-0.3	0.1	0.1	No		0	0	0	0	0	0	0.13	

Katthal	M.C. Kalayat	Rajesh Kumar		20546	0.3	0	0.3	0.3	0.3	Yes		108	0	0	0	0	0	0
Ambala	Municipal Corporation Ambala	Deepak Sur	8950130489	351695	2	0	2	2	2	Yes		0	0	0	0	0	0	1.36 (4)
Bhiwani	Loharu	Suresh Saini		15356	0.45	0	0.5	0.5	0.5	in low laying areas		0.26	0	0	0	0	0	0.26 (1)
Bhiwani	Bawani Khera	Suresh Chander	9053426525	25811	0.5	0.7	0.5	0.5	0.5	Nil		0	0	0	0	0	0	1
Nuh	Municipal Committee Ferozpur Jhirka	Rajesh Mahra, Secretary		24750	0.008		0.008	0.008	0.008	Being used in low laying areas		0	0	0	0	0	0	0
Charkhi Dadri	Charkhi Dadri	Mandeep Singh (ME)		80000	0.08	0	0.5	0.5	0.5	NA		0	0	0	0	0	0	0.08 (1)
Jhajjar	Beri	Nurandeep Taneja	989124849	18810	0.1	0	0.1	0.1	0.1	Used in low area		0	0	0	0	0	0	0
JIND	MC UCHANA	Sh. Ashok Kumar	7206409501	18500	0	0	0	0	0	Nil	NA	0	0	0	0	0	0	0.000
Fatehabad	Tohana	Sandeep Solaki	9467820947	75000	0.5	0	0.5	0.5	0.5	Used in low area		0	0	0	0	0	0	0.5
Gurgaon	MC Patnaudi Jitnandi Manoli	Parveen Kumar(EE)		61383	2.5	2	2.5	2.5	2.5	No		0	0	0	0	0	0	2.5
Jind	MC Juhana	Pooja (Secretary)		19568	0.01	0.01	0.01	0.01	0.01	nil		0	0	0	0	0	0	0.01 (1)
Jind	Narwana	Anni (ME)	8030337777	18027	0.6	0.7-0.40	0.5	0.5	0.5	Nil		0	0	0	0	0	0	1

Hisar	MC Hisar	Javir Singh	8295088155	367472	7	7	7	7	7	7	Nil	0	0	0	0	0	0	2,000
Hisar	Hansi	Jaiveer	9466062197	86770	0.5	0.7 to 0.50	0.5	0.5	0.5	Nil	NA	0	0	0	0	0	One	
Ambala	Narangarh	Mohit Kumar		22832	0.05	0	0.05	0.05	0.05	No		0	0	0	0	0	yes at low laying areas (1)	
Hisar	MC Barwala	Parveen	9817142721	48000	0.5	0.7 to 0.50	0.5	0.5	0.5	Nil	NA	0	0	0	0	0	1,000	
Ambala	MC Barara	Sh Bhanwar Singh	9991630172	26094	0.5	0.5	0.5	0.5	0.5	Nil	NA	0	0	0	0	0	0.500	
Sirsa	Sirsa	Atar Singh	9466002785	210000	0	0	0	0	0	NA	NA	0	0	0	0	0	o	
Sirsa	Mandi Dabwali	Suresnder Kumar		62000	0.1	0	0.1	0.1	0.1	No		0	0	0	0	0	0	
Sirsa	Kalanwali	Sumit Chopra, ME		25000	0.03	0	0.03	0.03	0.03	no		0.03	0	0	0	0	0.03	
Pahwal	Hathin	Devender Kumar (Secretary)		0.18	0.44	0	0.5	0.5	0.5	Yes		0	0	0	0	0	165 (1)	
Yamunanagar	Municipal corporation yamunanagar	VIKAS DHIMAN	981375896	481669	5	5	5	5	5	0	SELECTION OF SITE IS UNDER PROCESS	0	0	0	0	0	0.71	
yamunanagar	Radaur	Sandeep Sharma,ME	9050970239	18148	1	Lean Period generation = 0.5TPD, Peak Period Generation = 1.5TPD	1	1	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1 (1)	
Panipat	Samalkha	Raj Kumar	9306506460	46461	0.3	0.3	0.30	0.30	0.30	No		0	0	0	0	0	0.1 (1)	

[illegible]

Karnal	MC Tarnori	Ajay Yadav (JE)	8708726725	28827	3.5	0	3.5	3	NO		3	0	0	0	0	0	3.5
Karnal	Nilakheri	Dinesh Kumar, Junior Engineer	8447148748	19963	0.8		0.5	0.5	C&D send to low lying area		0.5	0	0	0	0	0	0.5
Mahendergarh	Kanina	Rakesh	893022765	14797	0.5	0.3-0.5	0.5	0.5	Nil		0	0	0	0	0	0	1
Fatehabad	Bhuna	Sh. Deepak Kumar Secretary		38115	0.49	0.1	0.4	0.4	No		0	0	0	0	0	0	0.49
Jind	Safidon	Ashish Kumar	9050097957	45900	0.5	0.25 to 0.35	0.5	0.2	Nil	NA	0	0	0	0	0	0	0.2
Kaithal	MC Kaithal	Varun Sharma		161945	0.5	0	0.5	0.5	Yes		180	0	0	0	0	0	0
Kaithal	Cheska	Rajesh Kumar		41630	0.5	0	0.5	0.5	Yes		180	0	0	0	0	0	NA
YAMUNA NAGAR	Sadhura	Vikas Sabarwal, JE	9416824124	14814	0.5	0	1	0.5	low laying areas	NA	1	0	0	0	0	0	0.5
Fatehabad	Ratia	Sh. Shubham Secretary	7988553899	45715	0.4	0.1-0.7	0.4	0.4	No		0	0	0	0	0	0	0.4
Sonapat	Ganmur	Poojeep Kumar, Secretary		48491	0.05	0	0.05	0.05	No		0	0	0	0	0	0	0.05 (1)
Sonapat	Sonapat	Padam Bhushan, EE	7042144566	427270	2	2	1	1	Nil	Nil	0	0	0	0	0	0	0
Rewari	Rewari	Naresh Kumar	9467388174	148241	54.79	7.4	7.4	100	Yes	Currently Working	100	0	0	0	0	0	0

Katihal	Pundi	Nuresh Kumar		21143	0.5	0	0.5	0.5	0.5	NA									
Sirsa	Ellenabad	Naveen Kumar, ME	9050439820	36623	0	0	0	0	0	0			0	0	0	0	0	0	0
Mahendergarh	Atali Mandi	Dinesh Kumar ME		9210	0.1	0	0.1		0.1	No			0	0	0	0	0	0	0.1 (2)
Gurugram	Manesar	Nijesh Kumar (EE)	8053494965	35000	5	0	5	5	5	No	No		0	0	0	0	0	0	0
kurakshetra	Ladwa	Neroji Secretary		40000	2.4	2.4	2.4		2.4	No			2.4	0	0	0	0	0	2.4
kurakshetra	Shahabad	Banubal Singh	9416630078	42607	1.6	0	1.5		1.3	No, Used in low laying area			0	0	0	0	0	0	1 (2)
Mahendergarh	Narnaul	Deepak Goyal	9050120188	105808	0	0	1.5		1	Yes			0	0	0	0	0	0	1.2 (3)
Nuh	Punhana	Javed Hussain, ME	9992381786	33900	1.5	0-0.5	0.05		0	No			0	0	0	0	0	0	0 (1)
Gurugram	Gurugram	Sunder Shoran	9466427222	2192000	0	0	1500		300	Yes	Operational		14.9	30600	0	1230000	16228	958427	0
Sonapat	Kharakhoda	Arijun kumar	9416316854	28897	2.13	0-2.1	1.05		0.2	No	NA		0	0	0	0	0	0	1
Rohak	Rohak	Manjesh Dahiya, EE		450914	5	0	5		5	No	Nil		0	0	0	0	0	0	5
Nuh	Nuh	Sumit Malik, EE		22900	0.49	0	0.5		0	No			0.49	0	0	0	0	0	0.49

Karnal	Karnal	Sh. Manjesh Rathi (ME)	9728454721	430000	6	0	6	6	6	C&D filling in low lying area	.....	6	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	.....	6
Gurgaon	Farrukhnagar	Yogesh Rathi (ME)	8222002777	20571	1	0.5-1.5	1	1	1	0	0	0	0	0	0	0	0	1
Kurukshetra	MC Thanesar	Sh. Rajesh Kumar		155152	3	3	3	3	3	No		0	0	0	0	0		3 (1)
Karnal	Gharunda	Sh. Sandeep Rathi (ME)	9813444544	53660	4.2	.....	4.2	3.5	3.5	C&D filling in low lying area	.....	0	0	0	0	0	.....	4.2
Gurgaon	Sohna	Ajay Pungal (EE)	8750551500	74475	1.5	1	1.5	0.25	0.25	No		0	0	0	0	0	0	2
Kaithal	Swan	Sonu Kumar		25003	0.02	0.02	0.02	0.02	0.02	NA		10	0	0	0	0	0	0

Area Used (In acre)	Whether weigh-bridge facility used for quantity estimation?	(D)Whether construction and demolition waste used in sanitary landfill (for solid waste) as per Schedule III	2-Storage Facilities a- Area or location or plot or societies covered for collection of Construction and Demolition waste	b-No. of large Projects (including roadways or projects) covered	c-Whether Area or location or plot or societies collection is Practiced (if yes, whether done by Competent Authority or Private or Public Agency or Non-Governmental Organization)	d-Storage Bins/Containers or receptacles (Capacity, Specifications (Shape & Size) Existing (Number) Proposed for future (please tick mark) Other please specify	e-Whether all storage bins/collection spots are attended for daily lifting	Whether lifting of Construction & Demolition Waste from Storage bins is manual (please tick mark) please specify mode	Lifting of Construction & Demolition Waste from Storage bins equipment used	3-Transportation Existing actually required/proposed number Truck	Truck-Hydraulic	Tractor- Trailer	Dumper-Placer	Tricycles	Refuse collector	Other (please specify)
0	Yes	No	All 27 Wards	No	Collection is done by MC Sanitation team on one call facility	No Containers used for C&D waste collection	No	No	Yes	0	0	1	0	0	0	0
0.5	No	No	No	Nil	Nil	Nil	Nil	NA	NA	0	0	1	0	0	0	0
0.03	No	Yes	yes	No	Done by ULB	No	NA	Mechanical	Yes	0	0	2	1	0	0	0
0	Yes	No	13 Wards	No	By MC Staff	No	NA	NA	NA	0	0	1	0	0	0	0
0.85	No	No	Yes(Ganib Nagar)	0	No	No	No	Mechanical		0	0	1	0	0	0	0
0.5	No	No	No	Nil	Nil	Nil	Nil	Na	Na	0	0	0	0	0	0	0
0.2	no	No	Nil	0	Nil	Nil	NA	NA	NA	0	0	0	0	0	0	0
0.16	Yes	No	Yes	No	Nil	Nil	Nil	NA	NA	0	0	1	0	0	0	1 JCB
0.5	No	No	All Wards	0	No	1 no. C&D storage site identified	Yes	Mechanical	Yes	0	0	1	1	5	0	1 JCB

0	Yes	No	Yes	0	No	No	No	No	No	NA	0	0	2	0	0	0	0
1	No	No	Yes	0	Nil	Nil	Yes	Yes	Manual	Yes	0	0	1	0	2	0	0
2	No	Yes	Near Dholposh, Gaushala	0	Yes	3	Yes	Yes	Mechanical	Yes	0	0	1	0	0	0	0
0.35	Yes	Yes	C&D Waste Site near old fire Office, Thann Road Basol	No	No	32	no	Manually	Manually	JCB and Tractor Trolley	0	0	4	0	5	0	25 Hand Rickshaw, 01 Tractor
0.25	Yes	No	Village Maghpur	Nil	Nil	Nil	NA	Nil	Nil	Nil	0	0	1	0	0	0	1 (JCB)
0.5	No	No		Nil	Nil	Nil	Nil	NA	NA	NA	0	0	1	1	0	0	0
2	No	No	Infront of PWD	0	No	Nil	nil	NA	NA	NA	0	0	1	0	0	0	0
1.5	No	No	Nil	Nil	Nil	Nil	Nil	NA	NA	NA	0	0	1	0	0	0	0
3	Yes	C&D filling in low lying area	Old Dumping Site, near Mata Smita Kumari College	....	N/A	C&D filling in low lying area	Yes	By Tractor trolly of MC Nissing	By Tractor trolly of MC Nissing	By Tractor trolly of MC Nissing	0	0	1	0	0	0	0
0.125	Nil	Nil		0	Nil	No Bin C&D collection	Generated C&D Waste lifted	Manual	Manual	Nil	0	0	0	0	0	0	0
0	No	No	No	0	No	No	No	No	No	No	0	0	0	0	0	0	0
0	No	No	All 15 Wards	0	Collection is done by MC Sanitation team on one call facility	No Containers used for C&D waste collection	No	No	Yes	Yes	0	0	1	0	0	0	0

0	Yes	No	16 Wards	No	No	By MC Staff	No	No	No	No	yes	0	0	1	0	0	0	0
0.03	No	Yes	yes	No	No	Done by ULB	No	No	NA	Mechanical	Yes	0	0	2	1	0	0	0
	No	No	Near Shamsan Ghat	0	No	NA	No	No	No	NO	No	0	0	0	1	0	0	0
0.5	No	No	No	Nil	Nil	Nil	Nil	Nil	Nil	Na	NA	0	0	1	0	0	0	0
0	No	No	No	No	No	No	No	No	No	No	Yes	0	0	1	1	0	0	0
0.15	No	Yes	All Wards	No	No	Done by ULB	No	No	No	Manual	yes	0	0	1	0	0	0	0
0	No	No	No	0	No	No	No	No	No	No	No	0	0	0	0	0	0	0
0	No	No	No	Nil	Nil	Nil	Nil	Nil	Nil	NA	NA	0	0	0	0	0	0	0
0	No	No	23 Wards	0	No	Done by ULB	No	Yes	Yes	Manual		0	0	1	0	2	0	
0	No	No	Yes	0	0	No	0	No	No	No	No	0	0	1	0	0	0	1/CB
0.02	No	No	Near old Hadwara	0	No	By MC Staff	No	Yes	Yes	Manual	Yes	0	0	1	0	0	0	0
0.4	No	No	No	Nil	Nil	Nil	Nil	Nil	Nil	NA	NA	0	0	0	0	0	0	0

1	Nil	Nil	Nil	0	Nil	Nil	Nil	Nil	Nil	0	Nil	Nil	0	2	0	0	0	0	Nil
2 Acre	No	No	No	Nil	Nil	Nil	Nil	Nil	NA	0	0	NA	0	1	0	0	0	0	0
	No	Nil	No	No	Yes	Yes	No	Nil	Both	0	0	Yes	0	1	0	0	0	0	0
0.5	No	No	No	Nil	Nil	Nil	Nil	Nil	NA	0	0	NA	0	1	1	0	0	0	0
0.3	No	No	Nil	Nil	Nil	Nil	Nil	Nil	NA	0	0	NA	0	1	0	0	0	0	0
0	Yes	No	Nil	0	NA	NA	NA	NA	NA	0	0	NA	0	0	0	0	0	0	0
0	Yes	No	Nil	0	NA	NA	NA	NA	By Tractorrolley	0	1	0	0	1	0	0	0	0	0
1	Yes	Yes	Fill in low laying area	0	NA	Yes	Yes	Yes	By Tractor Trolley	0	0	0	0	1	0	0	0	0	0
0.03	NA	Yes if local users not used	yes by MC Hatlin	NA	yes by MC Hatlin	Yes	Yes	Yes	Mamul	Yes	NA	1 (Tractor Trolley)	NA	NA	NA	NA	NA	NA	NA
3 SITES IDENTIFIED TOL AREA APPROX- 150 ACER	NO	STRENGTHING INTERNAL MOVEMENT FOR VEHICAL FOR KAIL PLANT	C&D Waste Practice is implemented from the area is under me	0	C&D Waste Practice is implemented from the area is under me	YES	YES	YES	BY Mechanical	Tractor Trolly & excavator	15 no. Tractor rolly, 1 no. ICB	15	Nil	Not used for C&D Lifting	Nil	Nil	Nil	NIL	NIL
0.25	No	No	Area located near Kamby Dharmashal covers entire area of town and vicinity of C&D waste	0	MC Radnur	No	No	No	No	No	0	0	0	1	0	0	0	0	0
1	No	No	all 17 wards	0	Yes	0	NA	NA	Mechanical		0	0	0	1	0	0	0	0	

0.5	No	No	No	No	No	No	No	No	No	No	0	1	0	1	0	0
0	Yes	No	No	No	No	No	No	No	No	No	0	0	0	0	0	0
0	No	No	No	No	Done by ULB	2	All Areas	All Areas	Yes	Mechanical	0	4	10	0	0	0
0	under process	No	No	No	No	0	No	No	No	No	0	0	2	0	0	0
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4	NA	NA	NA	NA	No	0	No	No	No	No	No	NA	NA	NA	NA	NA
1	No	No	No	No	Yes	0	all 26 Wards	Mechanical	Yes	Mechanical	0	0	1	0	0	0
0.5	No	No	No	No	Yes	0	All 31 Wards	Mechanical	Yes	Mechanical	0	0	1	0	0	0
0.7	No	No	No	No	Local Authority	0	Model School	Mamul		Mamul	0	0	1	0	0	0
0.49	No	Yes	No	No	Done by ULB	0	All Wards	Mamul	Yes	Mamul	0	0	1	0	0	
0	No	No	No	No	No	No	No	No		No	0	0	1	0	0	
2	Yes	Yes	Yes	Yes	No	No	Yes	Mechanical	Yes	Mechanical	0	0	1	1	0	....

2.5	Yes		MC area	No	NA	C&D waste send for low laying	Yes	Mannual	Yes	0	0	0	0	1	0	0	0	0
2.5	Yes	C&D send to low lying area	MC Area	0	Nil	C&D send to low lying area	yes	Mannual	Yes	0	0	0	0	1	0	0	0	0
2	No	No	No	0	No	No	Nil	Nil	NA	0	0	0	0	1	0	0	0	0
0	No	No	15 wards	0	Done by ULB	No		NA	Yes	0	0	0	0	1	0	0	0	0
0.25	No	No	Nil	0	Nil	Nil	Nil	NA	NA	0	0	0	2	1	0	0	0	0
0	Yes	No	31 Wards	No	By MC Staff	No	No	Na		0	0	0	0	1	0	0	0	0
0	Yes	Yes	17 Wards	No	By MC Staff	No	Na	NA		0	0	0	0	1	0	0	0	0
2	No	C&D Fill in low area	Narainagarh Road near public health tubewell	0	NA	NA	NA	By Tractor Trolley	Yes	0	0	0	0	1	0	0	0	0
0	No	No Sanitary Landfill site is not constructed at MC Ralia	17 Wards (Residential areas & Commercial areas, Societies)	0	Collection is done by MC Sanitation team on one call facility	No	No	No	No	0	0	0	0	1	0	0	0	0
0	No	No	MC Ganaur	No	No	No	Yes	Both	yes	0	0	0	0	1	0	0	0	0
2	No	as per site requirement	Yes	Nil	Nil	Nil	Nil	Mechanical	Yes	1	0	0	0	0	0	0	1/CB	0
NA	Yes	No	NA	NA	NA	1	Yes	Mechanical	Backhoe loader and Tractor trolly,Dumper	No	0	0	2	1	0	0	0	0

[illegible]

----	No	No	Nil	0	N/A	C&D filling in low lying area	NA	By Tractor trolly of MC Kannal	0	0	1	0	0	0	0
0.25	No	No	Chander Nagar road	0	MC Farrukhnagar	No	No	No	0	0	1	0	0	0	0
1	No	No	all 32 wards	0	Yes	0	NA	Mechanical	0	0	1	0	0	0	0
2.8	Yes	C&D filling in low lying area	dumping yard Dirangar majra road	....	N/A	C&D filling in low lying area	Yes	By Tractor trolly of MC Gharunda	N/A	N/A	1	N/A	N/A	N/A	N/A
2.5	No	No	Behind Nickart College	0	No	Nil	Nil	NA	0	0	1	0	0	0	0
NA	No	No	16 Wards	No	Collection is done by MC	NA	NA	Manual	0	0	1	0	0	0	0

4-Whether any proposal has been made to improve Construction and Demolition waste management practices	5- Have any efforts been made to involve PPP for processing of Construction & Demolition waste : If yes, what is (are) the technologies being used.	I. Dry Process Processing/Recycling Technology	II. Dry Process Quantity to be processed	III. Dry Process Steps Taken	I. Wet Process Processing/Recycling Technology	II. Wet Process Quantity to be processed	III. Wet Process Steps Taken	Others if any, please specify	6-What provisions are available to check unauthorized operation of:	7- How many skips are provided with demurrage and receipt facilities:	8-Are municipal magistrates appointed for taking penal action for non-compliance with these rules.	If yes, how many cases registered & settled during last three years (give year wise details)
Yes, MC Faridabad will be establish a permanent C&D waste processing site along with a C&D waste processing machine (Faridabad, 2021).	No	No	0	No	No	0	No		Regular Monitoring	0	yes	
Nil	No	No	No	No	No	No	No	No	Nil	0	No	0
No	No	NA	NA	NA	NA	NA	NA	NA	Permanently prohibited unauthorized C&D waste processing and user fee to collect C&D waste has been notified and the same has been issued in	0	No	
No	No	NA	0	NA	NA	0	NA	NA	Regular Monitoring	0	Yes	
Regular monitoring	The Public made awareness	No	0	No	No	0	No		Regular monitoring	0	Challan issued	7
Nil	Nil	No	No	No	No	No	No	No	Nil	0	No	0
Nil	No	No	0	No	No	0	No	Nil	Nil	0	Nil	
NA	Nil	NA	0	NA	NA	0	NA	NA	Regular monitoring	0	Yes	
Yes	Yes	No	0	No	No	0	No		Regular Monitoring	0	No	

No	No	No	0	No	No	No	0	No	No	No	0	No	No	No
Nil	No	NA	0	NA	NA	NA	0	NA	Special team has been constituted	0	Yes			
No	No	No	0	No	No	No	0	No	Regular Inspection	0	no			
The Municipality takes action on this on daily basis, wherever there is a need, to filling of low lying areas and drains is filled up regularly.	Public is being made aware by the Municipality.	for processing C&D waste cluster based agreement has already been done with M/s shree slyam construction	0.3	C&D waste processing facility currently not available in MC Bawal	--	--	--	--	Regular Activity	Slums are not available in MC area	Regular activities are being carried out by the municipality. Chulian process is being implemented and those who do not follow	---		
NA	Nil	Nil	Nil	nil	Ntl	Nil	Nil	Nil	By Regular monitoring	Nil	Yes			
Nil	No	No	No	No	No	No	No	No	Nil	0	No	0		
Nil	No	No	0	No	No	No	0	No	Through Enforcement	0	No			
Nil	No	No	No	No	No	No	No	No	By survey and an complaint basis	0	No	0		
No	No	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	N/A	N/A	No	N/A	No	
Nil	Nil	Nil	0	Nil	Nil	0	0	Nil	Nil	0	Nil			
Yes	Yes	No	0	No	No	0	0	No	No	0	No			
Yes MC Jakhai Mandi will be establish a permanent C&D waste processing unit with a C&D machine and waste processing machinery (Portable	No	No	0	No	No	0	0	No	Regular monitoring done by Sanitation team of MC Jakhai Mandi	0	Yes			

Yes	No	NA	0	NA	NA	0	NA	NA	0	NA	Regular Monitoring	0	Yes	
No	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	primary provision for unauthorized C&D waste dumping and user fee to collect C&D waste has been provided at the same level as the same has been issued IT.	0	No	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	One team constituted	0	NA	
Nil	No	No	No	No	No	No	No	No	No	No	No	0	No	0
0	No	no	0	No	No	0	No	No	No	No	No	No	Yes	
no	No	NA	0	NA	NA	0	NA	NA	0	NA	A helpline issued	0	No	
Yes	Yes	No	0	No	No	0	No	No	0	No	No	0	No	
Nil	No	No	No	No	No	No	No	No	No	No	Nil	0	No	0
No	Yes	By Rag Picker	0	No	No	0	No	No	0	No	Notification issued	0	Yes	
Yes	yes	No	0	No	No	0	No	No	0	No	regular Monitoring	0	No	
No	Nil	Nil	0	Nil	Nil	0	Nil	Nil	0	Nil	Yes (team constituted by regular monitoring)	0	No	
Nil	No	No	0	No	No	0	No	No	0	No	Nil	0	No	

Yes	No	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Nil	No	Nil	No	No	No	No	No	No	No	0	No	0
no	No	No	No	No	0	No	No	No	No	0	No	
Nil	No	No	No	No	No	No	No	No	Nil	0	No	0
Nil	No	No	No	No	No	No	No	No	Nil	0	No	0
Yes	NA	NA	NA	NA	0	NA	NA	NA	NA	NA	Na	
Yes	NA	NA	NA	NA	0	NA	NA		Regular Monitoring	0	Yes	
No	No	Used in low laying area	No	No	0	No	NA		Regular Monitoring	0	Yes	
Yes		NA	NA	NA	NA	NA	NA	NA	Special Drives are carried	NA	Yes	
MC YNR is planning to develop processing site	NIL	NIL	MC YNR is planning to develop processing site	APPROX-500 Ton	NIL	NIL	MC YNR is planning to develop processing site	NA	MC YNR have already deployed being for C&D waste Monitoring	NIL	NO	NO
proposal for collection, transportation and processing of C&D waste management is being prepared as per RFP issued by DULB	No	No	No	No	No	No	No	No	MC YNR team has been deployed to check encroachment on river bank or wet land area and fillings of low lying areas with solid waste.	No slum exists in MC Radaur Area	No	NA
No	No	No	No	0	No	No	No		1 Team dedicated	all slum area	Yes	

NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
yes		No	0	No	No	0	No	NA	NA	NA		
Yes	Yes	No	0	No	No	0	No	Helpline issued	0	No		
No	No	No	0	No	No	0	No	No	0	No		No
YES	YES	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		Nil
Yes	Yes	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
No	No	No	0	No	No	0	No	2 no. team have been deployed	All Slums area	yes		
No	No	No	0	No	No	0	No	No	in all slum areas	Yes		
Yes	No	No	0	No	No	0	No	Yes (team constituted by regular monitoring)	No	No		
No	No	No	0	No	No	0	No	Has been notified in Newspaper	0	No		
No	No	No	0	No	No	0	No	Regular Monitoring	0	Yes		
No	No	No	No	No	No	No	No	N/A	1	No		No

No	No	C&D Waste Low Laying area	0	N/A	NA	0	NA		NA	0	No	
No	No	No	0	No	N/A	0	No		No	0	No	
Nil	no	No	0	No	No	0	No		Nil	0	No	0
Yes	No	No	0	No	no	0	No		No	0	Yes	
Nil	No	No	0	No	No	0	No		Nil	0	No	
Yes	No	NA	NA	NA	NA	NA	NA		Regular Monitoring	0	Yes	
Yes	No	NA	NA	NA	NA	NA	Na		Regular Monitoring	0	Yes	
No	No	No	0	No	No	0	No		N/A	0	No	
yes	No	No	0	No	No	0	No		Monitoring done by MC Ratta team	0	Yes	
No	Nil	nil	0	Nil	Nil	0	Nil		Nil	0	No	
Nil	Nil	Nil	0	No	No	0	No		Nil	Nil	Nil	Nil
NO	NO	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA

[illegible]

Yes	No	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	....	N/A	N/A	No	No
RFP as per DULB issued	No	No	0	No	No	0	No	No		Team	0	No	
No	No	No	0	No	No	0	No	No		2 team have been deployed	in all slum areas	yes	
No	No	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	C&D filling in low lying area	....	N/A	N/A	No	No
Nil	No	No	0	No	No	0	No	No		Through Enforcement	0	Yes	5
Yes	No	NA	NA	Na	NA	NA	NA	NA	NA	Regular Monitoring	0	Yes	

Annexure-IV



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PART-I

Notifications, Orders and Declarations by Haryana Government

HARYANA GOVERNMENT

URBAN LOCAL BODIES DEPARTMENT

Notification

The 23rd November, 2020

No. 1/1/2020-RII.—

Government of Haryana



Policy Document for C&D Waste Management in compliance with the order of Hon'ble
NGT in O.A. No. 606 of C&D Waste Management Rules-2016.

HARYANA MUNICIPAL CONSTRUCTION & DEMOLITION WASTE MANAGEMENT POLICY, 2019**Introduction**

Construction and Demolition Waste ("C&D Waste") generation in India every year is 23.75 million tons according to Central Pollution Control Board's ("CPCB") Guidelines on Environmental Management of C&D Wastes. (CPCB, 2017)

A rapidly developing state like Haryana with steady increase in urbanisation and development of business hubs, should anticipate a proportionate rise in C&D wastes. The unsafe and unscientific disposal of the C&D wastes may result in the C&D waste getting mixed with the organic waste and other types of municipal solid waste at dumping grounds. There arises a need for waste generated on a regular basis to be disposed in a safe and scientific manner. Therefore, the management of C&D waste is an important environmental issue due to its long-term effects.

The estimates of building material requirements of the housing sector in the country indicates a shortage of aggregates to the extent of approximately 55,000 million cu.m. An additional 750 million cu.m. aggregates shall be required to achieve the targets of the road sector. These estimates reflect the potential for the reuse and recycling of C&D wastes. The reuse of C&D wastes shall ensure minimal extraction of virgin materials and reduction in wastes forwarded to land fills.

The Government of India enacted the Construction and Demolition Waste Management Rules 2016, under the Environmental Protection Act, 1986 after consideration of the aforementioned issues.

Rule 9(1) of the C&D Rules mandates the Secretary of Urban Development Department (UDD) of the State Government to prepare the state's policy with respect to management of C&D waste in accordance with the provisions of the C&D Rules. In furtherance of this obligation, this Haryana State Construction and Demolition Waste Management Policy, 2019 applicable in and for the State of Haryana and is prepared and promulgated for sustainable management of C&D wastes in the state. The Policy shall be the benchmark for all relevant authorities including Pollution Control Board, Urban Local Bodies, functionaries of ULBs and other stakeholders in the preparation of the plans and procedures for management of C&D Waste.

1. Preamble

- (1) This Policy may be called the Haryana State Construction and Demolition Waste Management Policy, 2019 prepared and promulgated for sustainable management of C&D waste in the State of Haryana.
- (2) It extends to the whole of Haryana.

2. Definitions

- (1) As used in this Policy, unless the context otherwise requires, the following words and terms defined have the meanings ascribed to them in this document
 - (a) "Act" shall mean the Environment (Protection) Act, 1986 (29 of 1986);
 - (b) "Bulk Waste Generator" shall mean any waste generator that generate C&D Waste equivalent to or exceeding 20 tons in one day or 300 tons per project in one month;
 - (c) "C&D Rules" shall mean the Construction and Demolition Waste Management Rules, 2016;
 - (d) "Construction" shall mean the process of erecting of building or facility or other structure, or building of infrastructure including alteration of such entities;
 - (e) "Construction and Demolition Waste" or "C&D Waste" shall mean the waste comprising of building materials, debris and rubble resulting from construction, re-modelling, repair and demolition of any civil structure;
 - (f) "Demolition" shall mean the breaking down or tearing down buildings and other structures, either manually or using mechanical force (utilising mechanical equipment) or by implosion using explosives;
 - (g) "HSPCB" shall mean the Haryana State Pollution Control Board;
 - (h) "Hazardous C&D Wastes" shall mean construction and demolition waste contaminated with industrial hazardous or toxic material or nuclear waste if any;
 - (i) "Grievance Redressal Mechanism" shall mean a system established by the ULBs to receive and address the issues raised by the common people regarding C&D waste management;
 - (j) "Processing Facilities" shall mean facilities established to handle the C&D waste in a safe manner;
 - (k) "Recycling Facilities" shall mean facilities established to recycle the C&D waste into useable materials as approved under respective national standards;

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- (l) **"Service Provider"** shall mean entities that provide services like water, sewerage, electricity, telephone, roads, drainage *inter alia* that generate construction and demolition waste during the course of provision of service, that includes excavation, demolition and civil work;
 - (m) **"Storage Facilities"** shall mean facilities designated for storage of C&D waste separately;
 - (n) **"Urban Local Body"** or **"ULB"** shall mean an urban local body or authority viz. municipal corporation, municipality, nagarpalika, nagarnigam, municipal council including notified area committee *inter alia* but not limited to any other local authority or body constituted under any relevant statute, that shall be responsible for supervision and control of the management of construction and demolition wastes in its jurisdiction;
 - (o) **"Waste Generator"** shall mean any person or association of persons or institution or residential & commercial establishments including Indian Railways, Airport, Port and Harbour and Defence establishments, *inter alia*, who undertakes construction or demolition of any civil structure that generates C&D Wastes.
- (2) Words and expressions used herein but not defined shall have the meaning ascribed to such words or expressions in the Act or the C&D Rules.

3. Objectives

Goal of this policy is to: (i) reduce environmental pollution and space reclamation (ii) conserve available construction materials (iii) reuse & recycle the material, which may be a better economically viable option. The main objectives of this Policy shall be as listed below:

- i. To augment the capabilities of ULBs in effective implementation of the Rules;
- ii. To prescribe measures to prevent open dumping of C&D Wastes;
- iii. To provide manner and means of collection, storage and processing of C&D Wastes;
- iv. To promote participation and involvement of stakeholders in reuse and recycle practices of C&D Waste;
- v. To promote sustainable reuse and recycle of C&D Wastes;

4. Scope

- (1) This policy shall be applicable for and shall extend to all matters related to the management and disposal of all C&D Wastes by all Urban Local Bodies in the State of Haryana.
- (2) This policy document shall form the guiding document for management of C&D Waste by all C&D Waste Generators including Bulk Waste Generators, the private players involved at any stage in the C&D Waste management, the Haryana State Pollution Control Board and all other departments of the state that will be associated with handling or management of C&D Waste in the State.

5. Guiding Principles for Management Of C&D Waste

The State of Haryana shall focus on the 3R principle (i.e. reduce, reuse and recycle) for the management of C&D Waste generated within the State:

- (3) Potential wastage shall be identified in the design stage itself and measure may be taken to ensure minimal waste creation. Source reduction measures such as preservation of old buildings, optimisation of space in new buildings, designing buildings and infrastructure that reduce use of construction material on site, ensure minimal resource utilisation and waste creation.
- (4) Reusable materials may be screened out from debris and put to intended use without further processing. Therefore, it is recommended that prior to any demolition activity, the waste generator deconstructs the building whereby the building is dismantled, and any salvageable re-usable materials are collected and used on-site or on another site.
- (5) Recycling of C&D Waste is essential. Therefore, the leftover waste may be recycled to the extent possible. This shall prove vital in ensuring that minimum amount of waste is sent to landfills.

6. Obligations

The obligations provided hereunder in this Section may be mandatory for all applicable parties to this Policy.

(1) Urban Local Bodies

- (a) ULBs shall ensure collection, transportation, processing and disposal of C&D Waste. The ULBs may perform these functions by itself or through private participation/ contractor.
- (b) ULBs shall monitor Construction or Demolition activities for generation of C&D Waste within its jurisdiction. ULBs shall establish a database of all such Construction or Demolition events

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with details including the quantity of waste generated by Waste Generators and Bulk Generators separately. The database shall be updated no less than one time every year.

- (c) Every ULB authority shall seek detailed waste management plan as applicable, from Bulk Waste Generators. The ULBs shall examine, evaluate and approve or reject the waste management plan submitted by the Bulk Waste Generator within one month from the date of submission of the waste management plan or undertaking.
- (d) ULB shall conduct IEC campaigns to aware the stakeholders on the guiding principle of the policy i.e. Reduce, Reuse and Recycle of Construction & Demolition waste.
- (e) ULBs shall establish and operate a toll-free number for receiving information on collection, transportation, processing and disposal of C&D Waste from Waste Generators.
- (f) ULBs shall monitor and inspect for events of unauthorized Demolition or Construction with potential of C&D Waste generation, unauthorized dumping of C&D Wastes, inspection of dumping sites and C&D Waste processing plants, inter alia, to prevent and reduce frequency of the aforementioned events.
- (g) ULBs shall identify suitable land for designated C&D Waste storage (separate from the solid waste management land) in ULBs with population under 5 lakhs and C&D Waste processing units for ULBs with population above 5 lakhs.
- (h) Additionally, in ULBs with population approximately 5 lakhs and paucity of available land creates hindrances, ULB may operate mobile or semi-mobile C&D Waste processing plants
- (i) ULBs shall provide designated sites that shall function as intermediate collection points for C&D Wastes. These designation of sites for intermediate collection points shall be based on the quantity of waste and distance from major waste generation sites and selected processing/storage sites in the respective cities.
- (j) ULBs shall conduct selection procedure of Storage and Processing/Recycling Facilities for C&D Waste in accordance with the procedure provided in Schedule I of this Policy.
- (k) ULBs shall levy a user charge for the collection and transportation of C&D Waste from all Waste Generators for collection on call from the construction/demolition site, which shall reflect the total collection and transportation cost incurred by the ULB/ ULB assigned agency.
- (l) If the C&D Waste is transported to the designated site for C&D Waste by the Waste Generator at their own cost, the ULBs shall levy a transportation charge. This transportation charge shall reflect the transportation cost of the C&D Waste from the designated site to the processing and disposal site for C&D Wastes. However, for Bulk waste the charge may also include the processing and disposal cost apart from the transportation cost.
- (m) ULBs may not levy any charge or fee from Waste Generators (except Bulk waste generators) if the C&D Waste is transported by the Waste Generators to the processing and disposal set by the appropriate ULB. In the case of Bulk waste generators, ULB may levy the processing and disposal fee alone in such cases.
- (n) ULBs shall implement appropriate measures for management of C&D Waste including processing facility, end use of recycled products, inter alia, in consultation with institutions with expertise in this subject matter.
- (o) In case the Waste Generator fails to abide by the policy guidelines, the ULBs may levy a penalty. A list of illustrative user fees which the ULB could consider levying is set out in Annexure I. All amounts collected as penalties by and on behalf of the ULB under the bye-laws should be transferred to a separate bank account maintained for funds for solid waste management. These amounts shall be used towards the ULB's operation and maintenance costs for providing C&D Waste management services
- (p) ULBs shall endeavor to maintain co-ordination between itself and other government authorities and functionaries for the effective implementation of this Policy.
- (q) ULBs shall create a sustainable system of information, education and communication for processing of C&D Waste in collaboration with institutions with expertise in this subject matter and civil society participation. The ULB shall endeavor to disseminate this information utilizing all modes of communication, including but not limited to its own website.
- (r) ULB shall ensure that at least 80% of the recycled C&D waste products shall be put into effective use through municipal and government construction or related activities.

- (s) ULBs may incentivize the use of C&D Waste products in construction activities, *inter alia*, non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads.
- (t) ULBs shall set up a Grievance Redressal Mechanism through various platforms such as online portals, phone calls, toll free numbers, SMS and mobile applications based on available technologies and capabilities of the ULBs. The maximum time limit for redressal of grievances raised through the Grievance Redressal Mechanism may be fixed by the ULBs with a view to enhance the performance and reduce waste accumulation.

(2) Waste Generator

- (a) Waste Generators shall be required to ensure that C&D Wastes are not mixed with municipal solid waste. The Waste Generators shall not deposit C&D Wastes on land designated for municipal solid waste.
- (b) Waste Generators shall be required to not deposit or dump C&D waste in a manner, that may cause to obstruct traffic or public movement or sewage or stormwater drains.
- (c) Waste Generators shall be required to deposit the C&D Wastes with the authorised waste collection agency/ ULB or deposit the C&D Wastes at designated collection centres provided by the ULB or handover the C&D Wastes to the authorised processing facilities of C&D Wastes.
- (d) Waste Generators shall clearly identify and segregate any Hazardous C&D Wastes generated from its activities that generate C&D Wastes. These Hazardous C&D Wastes are required to be clearly identified and segregated for collection, storage and disposal as per Hazardous Waste (Management and Handling) Rules, 1989.
- (e) Waste Generators shall be required to pay the relevant user charges as notified for the collection, transportation, processing and disposal of C&D Wastes to the ULB or authority appointed by the ULB.

Waste Generators that generate C&D Wastes of 20 tons or more in one day or 300 tons per project in a month shall be categorised as Bulk Waste Generators. The Bulk Waste Generators may be required to comply with the following specific obligations in addition to the aforementioned general obligations of Waste Generators:

- (a) Prepare a waste management plan detailing manner of reuse, recycle, and/or disposal the C&D Wastes and get applicable approvals from the relevant ULB/local authority prior to the commencement of any construction, demolition or remodelling work. The waste management plan shall include, *inter alia*:
 - i. Proposed transit sites and processing facilities for the project's C&D Wastes and the distance of such transit sites from the project site.
 - ii. Proposed measures for minimal waste production on site
 - iii. Waste segregation methods and technologies proposed be undertaken.
 - iv. Proposed locations of processing facilities for C&D Waste
 - v. Plans for reuse of different recycled materials
- (f) Inform relevant authorities regarding all relevant activities beginning with the planning stage to the implementation stage on project to project basis.
- (g) C&D Wastes generated shall be segregated into four streams viz., (i) concrete, (ii) soil, (iii) steel, wood and plastics, and (iv) bricks and mortar.
- (h) Transport of all C&D Wastes generated to the processing units and/or transit stations and bear the cost and responsibility of such transportation.

(3) Service Provider

- (a) Service Providers are required to prepare a comprehensive waste management plan covering segregation, storage, collection, reuse, recycling, transportation and disposal of C&D Wastes generated within the particular jurisdiction.
- (b) Service Providers shall formulate a timeframe for the removal of the construction and demolition waste after consideration of the duration of the work, the quantity and type of waste generated, appropriate storage and collection, *inter alia*. The advisable timeframe for removal of waste is once every day.

- (c) Service Provider may utilise the facilities provided by the authorised agencies/ULBs for the collection and transportation of C&D Wastes on payment of the relevant user charges as notified for the use of such facilities.

(4) Haryana State Pollution Control Board (HSPCB)

- (a) HSPCB shall be required to monitor the implementation of this Policy by relevant ULBs and competent authorities.
- (b) HSPCB shall collect annual data on collection, transportation and processing of C&D Wastes and implementation of this Policy. The compiled data shall be submitted to the Central Pollution Control Board and the State Government or any other state level nodal agency appointed by the State Government for generation of comprehensive State level data.
- (c) HSPCB shall grant authorizations to C&D Waste processing facilities after examination of the proposals submitted to it.
- (d) HSPCB shall prepare annual reports with special emphasis on the implementation status of compliance of this Policy and submit such report to the Central Pollution Control Board on or before 31st July of each financial year.

(5) State Government

- (a) The Town and Country planning Department shall be required to incorporate the site for such facilities in the approved land use plan for the area to reduce possibilities of disturbance to the processing facility on a long-term basis.
- (b) State Government shall be required to ensure in government contracts or tenders, the appropriate C&D Waste processing and disposal option and methods to be adopted for the specific project is incorporated in the contracts or tenders.

7. Financial Sustainability

- (1) ULB shall follow the principles of financial budgeting and costing provided in the Policy for Management of Solid Wastes for the state of Haryana. As provided in the C&D Rules, the primary source of revenue for ULBs for C&D Waste management shall be from:
 - (a) User fees collected during sanctioning of building plan or separately (to be collected based on the quantity of waste);
 - (b) Revenue from sale of by-products of C&D Waste processing and recycling; and
 - (c) Fines and penalties (if any).

8. Terms and Conditions

- (a) This Policy may be amended, withdrawn or substituted by the Government at any time, at its discretion.
- (b) Department of Urban Local Bodies shall have the power to clarify any doubts or settle any disputes, should any arise, regarding the interpretation, application or operation of the provisions of this Policy. Any clarification issued by the Principal Secretary, DULB in this regard shall be final and binding.
- (c) No party shall have the right to claim any benefits or incentives under this Policy merely by virtue of such benefits or incentives being provided for in this Policy.
- (d) Implementation of the provisions under this Policy shall be subject to the issuance of detailed scheme/guidelines setting out further eligibility criteria, the terms and conditions subject to which each benefit or incentive may be claimed, the detailed application procedure etc.
- (e) In case of any conflict or contradiction in the provisions contained in this Policy and the scheme/guidelines issued thereunder, setting out in detail the eligibility criteria, terms and conditions, amongst other relevant modalities for availing benefits or incentives under this Policy, the provisions of the scheme/guidelines shall prevail for all intents and purposes.

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Schedule I: Criteria for Site Selection for Storage and Processing or Recycling Facilities for construction and demolition Waste

- i. The facilities shall comply with the Solid Waste Management Rules, 2016 and C&D Waste Rules 2016 with special regard to pollution relating to noise and dust as set out under 'Guidelines on Environmental Management of Construction & Demolition (C&D) Wastes' issued by the CPCB in March 2017 and 'Guidelines on Dust Mitigation Measures In Handling Construction Material and C&D Wastes' issue by CPCB in November 2017
- ii. The processing or recycling facilities shall be sufficiently large to continue for 25 years (project based on-site recycling facilities).
- iii. The processing or recycling sites shall be situated away from habitation clusters, forest areas, water bodies, monuments, national parks, wetlands and places of important cultural, historical or religious interest.
- iv. A buffer zone of no development shall be maintained around C&D Waste processing and disposal facilities of installed capacity exceeding five tons per day. This shall be maintained within the total area of the C&D Waste processing and disposal facilities
- v. Processing or recycling sites shall be fenced or hedged and provided with proper entrance gate to monitor incoming and outgoing vehicles or other modes of transportation.
- vi. The approach and/or internal roads of the facilities shall be concreted or paved to avoid generation of dust particles from vehicular movement and shall be designed to ensure free movement of vehicles and other machinery.
- vii. Weigh bridge to measure quantity of waste, fire protection equipment and other facilities as may be required shall be provided in the facilities.
- viii. For prevention of pollution from processing or recycling operations, the following provisions shall be made, viz.:
 - storm water drains to prevent stagnation of surface water;
 - paved or concreted surface in selected areas in the processing or recycling facility for minimizing dust and damage to the site.
 - prevention of noise pollution from processing and recycling plant;
 - provision for treatment of effluents, if any, to adhere to discharge norms under the Environment (Protection) Rules, 1986.
- ix. Work zone air quality at the processing or recycling sites and ambient air quality at the vicinity of the sites shall be monitored.
- x. A vegetative boundary shall be established around processing or recycling sites to strengthen the buffer zone.
- xi. The operators of the facilities shall apply for authorization from Haryana State Pollution Control Board and submit annual reports to the Haryana State Pollution Control Board.

Schedule II: Market Development and Promotion of C&D Recycled Products

Establishment of appropriate market for recycled products of C&D Wastes may prove essential to ensure economic viability and sustained functioning of the processing plants. As per CPCB guidelines on Environmental Management of C&D Wastes in India 2017:

- i. The building construction products manufactured from C&D wastes have been reported to satisfactorily meet necessary requirements of compressive strength and water absorption.
- ii. The end products such as kerb stones, paving blocks of different shape, size and colour, hollow and solid blocks, manufactured sand etc. have been tested in the laboratory and found to be satisfactory. They are also being used and found to be suitable for load bearing structures.
- iii. Use of fine aggregates and coarse aggregates manufactured by recycling of C&D waste has also been validated scientifically for part replacement of natural aggregates

The use of recycled materials may be as per the following regulations and guidelines:

- i. C&D Rules 2016: As per the C&D Rules, 2016, the ULBs shall make provision for providing incentives and introduce mechanisms to encourage the use of materials made from C&D Wastes in construction activities. These may be provided as:
 - a. Bond-deposit: This means that a compliance deposit, or bond, is to be paid as performance security when applying for building permits and/or submitting the waste management plan. Typically, this amount is approximately 1.5 - 5% of the project value, plus non-refundable administration fees of approximately 0.5% of the project value. This is refunded as and when minimum recycling requirements or disposal requirements are met.
 - b. Provide discount in the costs associated with building permits or reduction in the rental amounts for lease of skips, loaders and other containers.
 - c. In addition, the ULBs could consider offer a rebate of compliance deposit (such as 1% to 2%) where the waste management plans which provide for waste minimization, reuse and onsite recycling plans
- ii. The procurement of materials made from C&D Wastes shall be made mandatory to 10% of total material used in municipal and government procurement subject to strict quality control.
- iii. MoHUA: The Ministry of Housing and Urban Affairs (MoHUA) vide a letter dated March 23, 2016 circulated a notification by Central Public Works Department (CPWD) on mandatory use of recycled portions of C&D Wastes in construction activities, if the same is available within 100 km of the construction site. In addition, CPWD, and NBCC promote (a) maximum of 20% replacement of aggregates in Reinforced Cement Concrete (RCC) with Recycled Concrete Aggregate (RCA) and (b) 100% replacement of aggregates with RCA in light or non-load bearing lean concrete.

As per CPWD Corrigendum No. S37/CS –Order/2015-16/71(H) dated 22/3/2016

C & D Waste BIS IS: 383	Plain Concrete	Reinforced Concrete	Lean Concrete (< M15 grade)	Extent of Utilization
Recycled Concrete Aggregate (RCA)	25%	20% (only up to M25 grade)	100%	As Coarse Aggregate
Recycled Aggregate (RA)	Nil	Nil	100%	As Coarse Aggregate
Recycled Concrete Aggregate (RCA)	25%	20% (only up to M25 grade)	100%	As Fine Aggregate

- iv. Central Road Research Institute (CRR): certification of recycled aggregates for use as Granular Sub Base (GSB) in road construction
- v. Building Materials and Technology Promotion Council (BMTPC): BMTPC 2016 Guidelines for Utilization of Construction & Demolition Waste in Construction of Dwelling Units and Related Infrastructure in Housing Schemes of the Government
- vi. Indian Roads Congress (IRC): The Indian Roads Congress (IRC) issued 'IRC-121:2017 Guidelines for Use of C&D waste in Road Sector' outlining the kind of materials from recycled C&D Waste, proportion that may be safely used for specific road construction/repair applications.
- vii. Bureau of Indian Standards (BIS): The Bureau of Indian Standards (BIS) has included the specification for coarse and fine aggregates to include manufactured aggregates produced from other than natural sources

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viii. The recycled waste materials may be utilized for the following purposes:

Gardening and Landscaping	Earth Work	Civil Engineering	Structural Engineering
<ul style="list-style-type: none"> Drainage material Layer in sports field Improvements of soil characteristics Improvement of bearing capacity e.g. below garden walls 	<ul style="list-style-type: none"> Filling of line ditches and working spaces Noise protection dams Anti-freeze sublayers below building Improvement of bearing capacity of soil/earth Construction of temporary streets 	<ul style="list-style-type: none"> Gravel base layer and anti-freeze base layer Combined gravel and anti-freeze base layer Road pavement and flagging Bituminous bounded base layer Hydraulically bounded base layer Concrete base layer 	<ul style="list-style-type: none"> As input in concrete Mix in-situ concrete Structural elements out of concrete Concrete goods As input in other materials Mortar Stones- burned brick, sand-lime bricks or lightweight concrete

Material	Process	End-Use
Concrete	Crushed and mixed Crushed and screened	New cement blocks Asphalt concrete
Dirt	Sorted	Landscaping/Landfill cover
Reinforced concrete	Crush sorted, and steel bar removed. Steel recycled.	Crushed, sorted aggregate. For recycling
Clay bricks and roof tiles	Cleaned, Crushed & sorted. Pulverised	Reused for masonry Aggregate Mixed with lime to produce mortar
Calcium silicate bricks	Cleaned Crushed Pulverised	Reused for masonry Aggregate Recycled into new Calcium Silicate bricks
Natural stone masonry	Cleaned Crushed	Reused for masonry Aggregate
Natural stone slabs	Cleaned, Crushed	Flooring, cladding, aggregate
Ceramic Tiles	Cleaned, Crushed	Flooring, cladding, aggregate
Asphalt Paving	Crushed and cold mixed Crushed and hot mixed	Road construction excluding wearing course
Mixed demolition waste	Crushed	Fill material
Steel	Cleaned Recycled	Reused steel components New steel components
Aluminium	Cleaned Recycled	Aluminium recycled streams
Timber beams, doors	Cleaned	Reused as shuttering and other products Feedstock for engineered wood
Plastics	Recycled	Plastic recycling stream
Gypsum plasterboard	Cleaned Crushed Recycled	Reuse as boards Soil conditioners New gypsum products
Glass	Cleaned Crushed Recycled	Glass recycling streams

Annexure I : Penalties for Non-Compliance (Illustrative)

Sl No	Offence	Bulk Waste Generator/Service Provider (in INR)	Waste Generator (in INR)	Waste Transporter (in INR)
1	Dumping of construction and demolition waste in storm water drains, open spaces and other	The penalty will be a 15% increase in user charge per day starting from the third day of waste dumped. This can be maximum increased	The penalty will be a 10% increase in user charge per day starting from the third day of waste dumped. This can be maximum increased	Fixed charge (by ULB) per ton of C&D waste dumped

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	non-designated areas	up to twice the user charge fixed by the ULB	up to twice the user charge fixed by the ULB	
2	Mixing of C&D Waste with any other waste stream	The penalty will be a 15% increase in user charge per day starting from the third day of waste dumped. This can be maximum increased up to twice the user charge fixed by the ULB	The penalty will be a 10% increase in user charge per day starting from the third day of waste dumped. This can be maximum increased up to twice the user charge fixed by the ULB	Fixed charge (by ULB) per ton of C&D waste dumped
3	Failure to start construction, demolition or renovation works without submission and approval of the waste management plan OR Deviation from approved waste management plan	Fixed rate per sqft area of construction	Fixed rate per sqft area of construction	N.A.

(Sd.)...

Additional Chief Secretary to Government Haryana,
Urban Local Bodies Department.