

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	91
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	81
Commissioning and implementation of the facility	ULBD has identified 84 C&D sites for separate storage of C&D waste. Municipal Corporation, Gurugram has established a processing plant of Construction and Demolition waste at Village Basai to treat 300 MT of C&D Waste which has been now increased to 1000 MT of C&D Waste daily and will be further increased to 1500 MT shortly. Two number agencies have also been empanelled to collect and transport the C&D waste from the household's upto the designated locations. Further, Municipal Corporation, Faridabad has also established 300 TPD C&D Waste Management Plant.
Monitoring by SPCBs	Monitoring of processing plant at Gurugram is being done by Haryana State Pollution Control Board

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 1000 MT of C&D Waste daily. Two number agencies have also been empanelled to collect and transport the C&D waste from the household's to the designated locations. Further, Municipal Corporation, Faridabad has also established a 300 TPD C&D Waste Management Plant.

For remaining towns the status is as under:-Apart from these two ULBs (i.e Gurugram & Faridabad), 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 or road filling.

For remaining towns the status is as under:-As per C&D Waste Rules 2016, all ULBs must identify separate site for C&D waste collection. At present, 84 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
4	Hisar	Yes
5	Karnal	Yes
6	Panchkula	Yes
7	Panipat	Yes
8	Rohtak	Yes
9	Sonepat	Yes
10	Y/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

19	Narwana	Yes
20	Thanesar	Yes
21	Hodal	Yes
22	Palwal	Yes
23	Rewari	Yes
24	Gohana	Yes
25	Narwana	Yes
26	Barara	Yes
27	Naraingarh	Yes
28	BawaniKhera	Yes
29	Loharu	Yes
30	Siwani	Yes
31	Farukhnagar	Yes
32	HailyMandi	Yes
33	Pataudi	Yes
34	Barwala	Yes
35	UklanaMandi	Yes
36	Beri	Yes
37	Julana	Yes
38	Safidon	Yes
39	Cheeka	Yes
40	Kalayat	Yes
41	Pundri	Yes
42	Assandh	Yes
43	Gharaunda	Yes
44	Indri	Yes
45	Nilokheri	Yes
46	Nissing	Yes
47	Taraori	Yes
48	Shahabad	Yes
49	Nuh	Yes
51	Punhana	Yes
52	Taruru	Yes
53	Hathin	Yes
54	Samalkha	Yes
55	Bawal	Yes

56	Dharuhera	Yes
57	Kalanaur	Yes
58	Sampla	Yes
59	Gannaur	Yes
60	Kharkhoda	Yes
61	Radaur	Yes
62	Rajound	Yes
63	Tohana	Yes
64	Kanina	Yes
65	FerozpurJhirka	Yes
66.	Rania	Yes
67	Ratia	Yes
68	Bhuna	Yes
69	JakhalMandi	Yes
70	AteliMandi	Yes
71	Narnaud	Yes
72	Nangal Choudhary	Yes
73	Ellenabad	Yes
74	Uchana	Yes
75	Meham	Yes
76	Mahendergarh	Yes
77	MandiDabwali	Yes
78	Pehowa	Yes
79	Ladwa	Yes
80	AmbalaSadar	Yes
81	Narnaul	Yes
82	Kundli	Yes
83	Kalka-Pinjore	Yes
84	Adampur	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 2147 Nos. Challan of amounting to Rs. 1,88,20,100/- against the non-compliance of C&D Waste management Rules-2016 during the financial year 2021-22.

	Form -III Format for	Form -III Format for annual report as Construction & Demolition waste management to be submitted					
		Ambala					
District Name	AMBALA Sadar	AMBALA City	NARAINGARH	BARARA	BHIWANI	SIWANI	
Name of the City or Town	Municipal Council Ambala Sadar	Municipal Corporation Ambala City	Municipal Committee Naraingarh	Municipal Committee Barara	Bhiwani	Municipal Committee Siwani	
Population (In Lakhs)	236850	303850	22839	22942	236500	19143	
Name and address of local authority or competent authority	Municipal Council Ambala Sadar	Municipal Corporation, Ambala City	Municipal Committee Naraingarh	MC Barara	MC Bhiwani		
Telephone No	0171 643200	0171 2443747	1734284229	1725286600	-	01255-277383	
Email ID	mcambalasadar@gmail.com	mcamb.54@gmail.com	secymcnaingarh167@gmail.com	secy.mcbarara@gmail.com	mcbhiwani.gov.in	mcsiwani@gmail.com	
Name of the Nodal Incharge	Harish Sharma ME	Sh. Sanjeev Gupta XEN	Sh. Vinod Beniwal	Naveen Kumar, SI	Viaakh SI	Arjun Nath	
Quantity and composition of construction and demolition waste including any deconstruction waste	0	15 TPD	0.025 TPD	0.5 TPD	5 TPD	0.6 TPD	
Total quantity of construction and demolition waste generated during the whole year in metric ton	2000 MT	5475 MT	9 TPA	180 TPA	1800 TPA	216 ton	
Any figures for lean period and peak period generation per day	-	-	-	-	-	0	
Average generation of construction and demolition waste (TPD)	8 TPD	15 TPD	0.025 TPD	0.04 TPD	5 TPD	0.6	
Total quantity of construction and demolition waste collected per day	8 TPD	15 TPD	0.025 TPD	0.04 TPD	5 TPD	0.6	
Any Processing / Recycling Facility set up in the city	Only C&D waste storage facility available	0	No	-	0	NO	
Total quantity of construction and demolition waste processed / recycled (in metric ton)	C&D waste processing facility not available	0	0	0	360 MT	200 MT	
Non-structural concrete aggregate	NA	3	0	0	0	0	
Manufactured sand	NA	0	0	0	0	0	
Ready-mix concrete (RMC)	NA	0	0	0	0	0	
Paving blocks	NA	0	NA	Na	0	0	
GSB	NA	0	0	0	0	0	
Others, if any, please specify	NA	Brick blast material 01 TPD	0	Demolition waste	0	0	
Total quantity of Construction & Demolition waste disposed by land filling without processing (last option) or filling low lying areas	1000 MT	Usually C&D waste utilized filling of identified low lying area	Yes at low lying area	14 MT	360 MT	200 MT	
No of landfill sites used	4	10	1	1	0	0	
Area used	2200 Sqm	400 Sq. foot	2 Acre	1 Acre	0	0	
Whether weigh-bridge facility used for quantity estimation	No	0	No	No	0	0	
Whether construction and demolition waste used in sanitary landfill (for solid waste) as per Schedule III	yes	No	No	0	0	0	
Storage Facilities							
Area or location or plot or societies covered for collection of Construction and Demolition waste	All the area under the jurisdiction of MC ambala sadar are covered for collection of C&D waste.	Nasirpur and Jadod road	All wards	NA	31 Wards	13 Wards	
No. of large Projects (including roadways project) covered	No	0	No	No	0	NA	
Whether Area or location or plot or societies collection is Practiced (if yes, whether done by Competent Authority or Local Authority or through Private Agency or Non-Governmental Organization)	Done by ULB	Yes	Yes	No	Collectin is being done by MC, sanitation team on one call facility.	NA	
Storage Bin Specification				-	0		
Containers or receptacle (Capacity)	NA	0	Nil	-	0		
Others, please specify	NA	0	No	-	0	0	

	Whether all storage bins/collection spots are attended for daily lifting	NA	Yes	Yes at low lying area	-	0	0
	Whether lifting of Construction & Demolition Waste from Storage bins is manual or mechanical	Mechanical	Mechanical	Mechanical	Manual	0	0
	Transportation				-	0	0
	Truck	0	0	0	0	0	0
	Truck - Hydraulic	0	0	0	0	0	0
	Tractor - Trailer	10	Tractor-trailer	1	1	1	1
	Dumper - Placer	0	NIL	0	0	0	0
	Tricycle	60	0	0	0	0	0
	Refuse-Collector	2	0	0	0	0	0
	Other (please specify)	0	0	0	0	0	0
	Whether any proposal has been made to improve Construction and Demolition waste management practices	0	However MC is going to invite tender for processing C&D waste	Notification is issued	Notification is issued	MC Bhiwani will be established a permanent C&D waste processing site along with a C&D processing. (Portable type)	0
	Have any efforts been made to involve PPP for processing of Construction & Demolition waste:	0	0	No	-	NO	0
	Dry Process	0	0	0	-	0	0
	Wet Process	0	0	0	-	0	0
	Other if any (please specify)	NA	0	Used in MC street	-	0	0
	What provisions are available to check unauthorized operations of	Penalty provision for unauthorized C&D waste dumping and user fee to collect C&D waste has been notified and the same has been issued in newspaper for public information. A helpline center has been developed by MC Sadar with call handling facility of collection of C&D waste and unauthorized C&D waste dumping related issues	0	0	-	0	0
	Encroachment on river bank or wet bodies	-	regular monitoring done by MC Staff	No river water bodies exist in MC area	-	Monitoring done by MC	Supervision teams has been deployed
	Unauthorized filling of low line areas Mixing with solid waste	-	0	Yes at low lying area	Check on routine basis	Monitoring done by MC	Supervision teams has been deployed
	Encroachment in Parks, Footpaths etc.	-	0	No	0	Monitoring done by MC	Supervision teams has been deployed
	How many slums are provided with construction and demolition waste receptacles facilities	NA	0	NA	No	0	NA
	Are municipal magistrates appointed for taking penal action for non-compliance with these rules:	Yes	Yes	Yes	Yes	Yes	Yes

by the Local Body

Calendar Year 2022		
Bhiwani		CHARKHI DADRI
BAWANI KHERA	LOHARU	CHARKHI DADRI
Bawani Khera	Loharu	Municipal Council Charkhi Dadri
24980	15396	70000
Municipal Committee Bawani Khera	Loharu	Municipal Council Charkhi Dadri
0125-4233110	01252-258241	01250-220056
mc.bawanikhera@gmail.com	secymc.loharu@gmail.com	secymc.dadri@gmail.com
Ashok Kumar	Surender Sangwan	Mukesh Kumar ME
0.08 TPD	0.5 TPD	218 MT
30 TPA	180 TPA	1080 (3 TPD)
-	-	0
0.08 TPD	0.5	3 TPD
0.08 TPD	0.5	3 TPD
0	C&D waste use into filling low lying area, which is identified by municipality	No
0	100 Ton	218 MT (Only used in Low lying area)
0	Mix	Nil
0	Mix	Nil
0	Mix	Nil
0	Mix	Nil
0	Mix	Nil
0	0	Nil
0	100 ton	218 MT (Only used in Low lying area)
0	1	-
0	0.5 Acre	-
No	No	-
No	No	-
0	Near Shamshan Ghat	21 Ward, Residential & Commerical areas
0	0	0
0		Collectin is being done by MC, sanitation team on one call facility.
0	0	
0	0	0
0	0	0

0	0	0
Manual	Manual	0
0	0	
0	0	0
0	0	0
1	1	1 Tractor-trolley
0	0	0
0	0	0
0	0	0
0	0	0
under process	0	MC charkhi dadri will be established a permanent C&D waste processing site along with a C&D processing. (Portable type)
	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
Monitoring done by MC	0	Supervision teams has been deployed
Monitoring done by MC	0	Monitoring done by MC
Monitoring done by MC	0	Monitoring done by MC
0	0	0
Yes	Yes	Yes

FARIDABAD		FATEHABAD					
FARIDABAD	FATEHABAD	RATIA	BHUNA	JAKHAL MANDI	TOHANA	GURUGRAM	Manesar
Faridabad	Municipal Council Fatehabad	Ratia	Bhuna	Jakhal Mandi,	Tohana	Gurugram	Manesar
18.32 Lakh	89658	37852	38500	15000	63861 (Census 2011)	1514432	1160000
Commissioner, Municipal Corporation, Faridabad, BK Chowk, NIT Faridabad	Municipal Council Fatehabad, Near Lal Batti, Fatehabad	Municipal Committee Ratia, Near Civil Hospital Ratia Distt. Fatehabad,Haryana	Municipal Committee Bhuna, UKiana Road Bhuna Distt. Fatehabad,Haryana	Municipal Committee Jakhal Mandi, Distt. Fatehabad, Haryana	Municipal Council Tohana, Near Shaheed Chowk, Chandigarh Road, Tohana	Municipal Corporation Gurugram	Municipal Corporation Manesar
0129-2416464	1667220032	9416527222	9305750000	9416277358	01692-230032	0124-2370911	9971673033
cmc.mcfbd@gmail.com	municipalcouncilfatehabad@gmail.com	secratia@gmail.com	bhunamc@gmail.com	mcjakhalmandi@gmail.com	mctohana@rediffmail.com	cmc@mcg.gov.in	.
Inder Kulhari SE	Sumit Chopra	Sh. Pankaj Kumar Secretary	Sandeep Secretary	Jitender Kumar, Clerak	Sh. Ajayab Singh (Sanitary Inspector).	Sh. Rohtash Bisnoi	Yatinder Singh
0	0.4 TPD	0.5 TPD	0.5 TPD	0.5 TPD	1	0	300 TPD
43800	144 TPA	144 TPA	144 TPA	144 TPA	350	265000 MT	109500 MT
0	1 TPD	1 TPD	0.7 TPD	1 TPD	1 TPD	600-800 MT	0
125 TPD.App.	0.4 TPD	0.5 TPD	0.5 TPD	0.5 TPD	0.5 TPD	1000 TPD	300 TPD
120 TPD	0.4 TPD	0.5 TPD	0.5 TPD	0.5 TPD	0.5 TPD	590 TPD	0
yes	C&D waste use into filling low lyingarea, which is identified by municipality	C&D waste use into filling low lyingarea, which is identified by municipality	C&D waste use into filling low lyingarea, which is identified by municipality	C&D waste use into filling low lyingarea, which is identified by municipality	C&D waste use into filling low lyingarea, which is identified by municipality	yes ,	Tender in progress
1200	Nil	Nil	0	0	Nil	626231 MT	0
-	Nil	Nil	Nil	Nil	Nil	111020	0
-	Nil	Nil	Nil	Nil	Nil	59780	0
-	Nil	Nil	Nil	Nil	Nil	0	0
-	Nil	Nil	Nil	Nil	Nil	50000	0
-	Nil	Nil	Nil	Nil	Nil	0	0
-	0.4 TPD	Nil	Nil	Nil	Nil	Screen soil 425979	0
25 TPD	0.5 TPD	0.5 TPD	0.5 tpd	0.5 tpd	0.5 tpd	106638 MT	0
Different location of Faridabad	One number of site indentified as landfill at Near Tulsidas Chowk Ward No. 3 Fatehabad	1	1	1	1	1	0
0	3 Acre	1 Acre	0.5 Acre	1 Acre	1 Acre	Basai	0
Yes	No	No	No	No	No	Yes	0
No	No	No	No	NO	No	Yes	0
						Yes	
Village Riwaspur	Near Tulsidas Chowk Ward No.3, Fatehabad (Approximate area for C&D waste collection area are 3acre)	Dadi Jakhan Ratia	Kullan road, Bhuna	Near Railway line Jakhal Mandi	Near Ratia Bypass Tohana	Area under MC limits of Gurugram is covered under collection of C&D waste	0
0%	Nil	Nil	Nil	Nil	Nil	4	0
Private Agency	No	No	No	No	No	Yes by Muniपाल Corporation Gurugram	0
0	Nil	NA	Nil	Nil	Nil	NA	0
0	NA	NA	NA	NA	Yes	NA	0

GURUGRAM			
SOHNA	PATAUDI	FARUKH NAGAR	HAILY MANDI
SOHNA	Pataudi	FARRUKHNAGAR	HAILY MANDI
59719	20418 (Census 2011)	17065	22498
Municipal Council Sohna, near girls school sohna distt mohali	Municipal Committee Pataudi	Municipal Committee Farrukhnagar	Municipal Committee, Haily Mandi
0124-2238297	0124-2672869	7027655101	0124-2670294
mcsohna@gmail.com	seymcpataudi@gmail.com	secymcfarrukhnagar@gmail.com	secy.mc.hailymandi@gmail.com
Atar Singh EO	Sh. Narender Taneja, ME	Yogesh, ME	Pankaj Joon Secretary
1 TPD	0.35 TPD	0.5 TPD	0.03 TPD
360 Tonns	130 Tons	146 TPA	10 TPA
-	-	-	-
1 TPD	0.35 TPD	0.5 TPD	0.04 TPD
0.7 TPD	0.35 TPD	0.3 TPD	0.03 TPD
0	0	0	Yes
-	0	0	0
-	0	0.27	0.027
-	0	0.23	0.023
0	0	0.48	0.048
0	0	0.51	0.051
0	0	0.01	0.01
-	0	-	0
0.65 TPD	0.35 TPD	0.3	0.03
15	1	0	1
10 Acre	-	-	4800 Sq. mtr
No	Yes	Yes	yes
No	Yes	Yes	yes
12 Sq. Mtr	Near Moti Dugri Johd	11.5	11.5
0	No	No	NO
MC Sohna	-	-	-
-		-	
0	-	-	4x4x4x
0	-	-	0

Yes	Yes	Yes	yes
Mechanical	Manual	Manual	Manual
-			-
-	0	0	0
0	0	0	0
1	2	2	5
0	0	0	0
0	0	5	10
0	0	0	0
0	0	0	0
0	Yes	Yes	yes
0	-	-	-
-	0	0	0
-	0	0	0
-	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
Yes	Yes	Yes	NO

HISAR					JIND		
HISAR	Barwala	HANSI	NARNAUND	UKLANA	JIND	SAFIDON	UCHANA
Hisar	Barwala	Hansi	Narnaund	Ukalana	Jind	SAFIDON	Uchana
367472	43384	86770	17242	13219	210000	42500	19400
Municipal Corporation Hisar, Near Malik Chowk Hisar 01662237001,01662237884, Secy Cmchisar1@gmail.com	Municipal Committee Barwala near old bus stand	MC Hansi, Near Prithvi Raj Fort	Secretary MC Narnaund	Municipal Committee Uklana, Approach Road Near Sangwan Hospital & Post Office Uklana Mandi mcuklana123@gmail.com	Municipal Council Jind	Municipal Committee Safidon	MC Uchana
xemchisar@gmail.com	01693- 242149	01663-254008	9416719490	01693-233142	01684-246358	1686262008	1684231699
xemchisar@gmail.com	secymbarwala@gmail.com	secymchansi@gmail.com	secymcnd11@gmail.com	mcuklana123@gmail.com	mcind2013@gmail.com	secymc safidon@gmail.com	mcuchana11@gmail.com
Sh. Jaiveer	Sh. Deepak Singh	Jai Veer Singh, ME	Sh. Vashupal	Sh. Hawa Singh JE	Sh. Bhupinder Singh ME	Sh. Ashok Kumar, Municipal Engineer mc Safidon.	Bhupinder Singh, ME
7 TPD	0.5 TPD	0.75 TPD	0.05 TPD	0.5 TPD	5 TPD	0.2 TPD	0.2 TPD
2500 MT	160 TPA	170 TPD	25 Ton	170 TPD	1655 MT	72 TPA	72 TPA
5 to 7 TPD	0.5 TPD	0.70 TPD	-	0.5 tpd	0	0.2 Tpd	0.2 TPD
7 TPD	0.5 TPD	0.70 TPD	0.05	0.5 tpd	5 TPD	0.2 Tpd	0.2 TPD
7 TPD	0.5 TPD	0.70 TPD	0.05	0.5 tpd	5 TPD	0.2 Tpd	0.2 TPD
Only C&D storage facility available	Only C&D storage facility available	Only C&D storage facility available	Nil	Only C&D storage facility available	0	0	0
Only C&D storage facility available	Only C&D storage facility available	Only C&D storage facility available	0	Only C&D storage facility available	100 Ton	0	0
NA	NA	NA	0	0	0	0	0
NA	NA	NA	0	0	0	0	0
NA	NA	NA	0	0	0	0	0
NA	NA	NA	0	0	0	0	0
NA	NA	NA	0	0	0	0	0
1700 MT	0.3 TPD	0.5 TPD	0.05 TPD	0.3 TPD	0	72 Tons	72 TPA
1	1	1	1	1	8	1	1
5 Acre	1 Acre	2 acre	1.5 acre	1 Acre	0.5 Acre	2500 Sq. Yard	2000 Sq. Yard
No	NA	No	No	NO	No	No	No
No	NA	No	No	NO	No	No	No
	-				NA		
All the area covered by MC Hisar for this MC hisar has established a helpline no.	All the area covered by MC Barwala for this MC Barwala has established a helpline no.	All the area covered by MC Hansi for this MC Hansi has established a helpline no.	Near Shamshan Ghat	All the area covered by MC Uklana for this MC Hansi has established a helpline no.	MRF Point	C&D waste collection center near Assandh Bye pass	C&D waste collection center near Khedi Masania road
0	NA	No	0	No	4	0	0
0	Done by MC Barwala	Done by MC Hansi	0	Done by MC Uklana	No	By MC Safidon	By MC Uchana
0	No storage bins are installed	No storage bins are installed	1 Cum	No storage bins are installed	0	0	0
0	NA	-	-	-	0	0	0

JULANA	NARWANA
Julana	Narwana
18755	72000
Near Railway Station Julana	MC Narwana
01683-275733	Ph.01684-242110
secmjulana@gmail.com	Secymc.narwana@gmail.com
Sh. Amit Kumar ME	Virender Malik ME
0.2 TPD	0.5 TPD
73 Tons	180 Tons
0.2 Tpd	0
0.2 Tpd	0.5 TPD
0.2 Tpd	0.5 TPD
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
73 Tons	100 Ton
1	8
2000 Sq. Yard	0.5 Acre
No	No
No	No
	-
C&D waste collection center near Hadwara	C&D waste collection center near LIC road
No	0
By MC Julana	BY MC Narwana
No	0
No	0

yes	0
Manual	Manual
0	0
0	0
1	1
0	0
0	1
0	0
0	0
Used for constructin of streets and roads	-
No	-
0	0
0	0
0	0
	-
No, team constituted for regular monitoring	No, team constituted for regular monitoring
No, team constituted for regular monitoring	No, team constituted for regular monitoring
No	No
0	No
No	Yes

JHAJJAR		Kurukshetra					
JHAJJAR	BAHADURGARH	BERI	THANESAR	SHAHABAD	LADWA	PEHOWA	ISMALABAD
Municipal Committee Jhajjar, Haryana.	Municipal Council Bahadurgarh	Municipal Committee Beri, Haryana.	Municipal Council Thanesar	Shahabad	Municipal Committee Ladwa, Indri Road, Ladwa.	Pehowa	ISMALABAD
63795	216911	20700	156316	42607	28887	46500	16133
Municipal Committee Jhajjar, Old Teh. Road near Woman Police Station, Jhajjar (Haryana).	Municipal Council Bahadurgarh, Delhi Rohtak Road near Jhajjar chowk	Municipal Committee Beri, Near Jhajjar Road. secy.mc.beri@gmail.com	and Municipal Council Thanesar	MC Shahabad		Near Jain hospital Pehowa	Municipal Committee Ismailabad
01251-252009	01276-230204	9416022295	9813166392	01744-240025	01744-262668	01744-221703	01744-297533
secymcjhajjar@gmail.com	mcbgarh2016@gmail.com	secy.mc.beri@gmail.com	secymcthaesar@gmail.com	Secymc.shahabad@hry.nic.in	secymc.ladwa@yahoo.com	s.pehowa@yahoo.com	secymcismail@hmail.com
Shashi Kant ME	Naveen Dhankar, XEN	Yogesh Rathi, ME	Sh. Suriender Singh EE	Sh. Bambhool Singh	Sh.Mangu Ram JE	smt Meenakshi Devi, Sanitary Inspector	Sh. Sanjay Kumar (SI)
1 TPD	2 TPD (Approx)	0.5 TPD	1.5 TPD	1.6 TPD	0.66 TPD	0.02 TPD	0.01 tpd
350 MT	700 Ton (Approx)	180 MT	540 TPA	480 TPA	240 TPA	7.3 TPA	3.65 TPA
1.5	3 TPD (Approx)	0.5-1 TPD	-	-	1Ton	0.02 TPD	-
1 TPD Approx.	2 TPD (Approx)	0.5 TPD	1.5 TPD	1.5	0.66 TPD	0.02 TPD	0.01 tpd
1 TPD Approx.	2 TPD	0.5 Tpd	1.5 TPD	1.3	Nil	0.045 TPD	0.01 tpd
No, (C&D waste used for low laying area of the city)	No, (C&D waste used for low laying area of the city)	No	NO	No	0	No	No
0.2	0	0.1	Nil	-	0	Nil	Nil
0	0	0	Nil	-	0	Nil	Nil
0.2	0	0.2	Nil	-	0	Nil	Nil
0	0	0	Nil	-	0	No	Nil
0	0	0	Nil	-	0	No	Nil
0	0	0	Nil	-	0	No	Nil
used in low laying area	0	0	Nil	-	0	No	Nil
1 TPD	2 TPD	0.3	1.5 TPD	400 Ton	0	Nil	NO
1 No.	1 No.	1 No.	1	2	0	Nil	Nil
0.5 Acre	1.0 acre	0.5 Acre	0.5 Acre	2 Kanal	0	Nil	Nil
No	No	No.	0	0	0	No	Nil
No	No	No.	Yes	0	0	No	Nil
					0		
Ward 01 to 19 under MC jurisdiction.	Ward 01 to 31 under MC jurisdiction.	Ward No. 01 to Ward No. 13	0	Barara Road Near Truck Union	0	No	5 Marle
0	0	No.	0	0	0	No	No
No	No	MC beri land identified for C&D waste collection & Storage	Yes	0	0	No	No
(Shap& Size)	(Shap& Size)	(Shap& Size)		0	0		
0	0	-	0	0	0	No	Nil
1 sites identified	1 sites identified	-	0	0	0	No	Nil

Yes	Yes	Yes.	Yes	-	0	No	Nil
Mechanical	Mechanical	Mechanical	Manual	-	Manual	manual	No
yes	yes	Yes.	-	0	0		
0	0	0	0	0	0	Nil	0
0	0	0	0	0	0	Nil	0
1	1	1 Tractor	1	1	1	2	1
1	1	0	0	0	0	nil	0
5	5	2	0	0	0	Nil	0
0	0	0	0	0	0	Nil	0
1 loader	1 JCB	1 Loader	1 JCB		0	nil	0
Yes	Yes	Yes.	0	RFP model estimate is pending for administrative approval	0	No	RFP Model estimate is pending for administrative approval
Yes	Yes	Yes.	0	NO	0	No	No
0	0	0	0	0	0	No	Nil
0	0	0	0	0	0	No	Nil
0	0	0	0	0	0	No	Nil
-	-	-	0	0	0		-
as per municipal committee Act 1973	as per municipal committee Act 1973	as per municipal committee Act 1973	0	Time to time cheking is done by constituted team. So that no encroachment has been done near river bank or any water body	0	Team has been constituted	No river water bodies exist in MC Area
Regulator monitoring done by Sanitation wing/Challan/fine/notice	Regulator monitoring done by Sanitation wing/Challan/fine/notice	Regulator monitoring done by Sanitation wing/Challan/fine/notice	Periodic checking by Ward Officer	imposing fine	0	Team has been constituted	NA
Regulator monitoring done by Sanitation wing/Challan/fine/notice	Regulator monitoring done by Sanitation wing/Challan/fine/notice	Regulator monitoring done by Sanitation wing/Challan/fine/notice	0	Removed time to time if any	0	Team has been constituted	Removed time to time
No	No	No	0	3	0	No	NA
No	No	No.	Yes	Yes	0	Yes	yes

KARNAL							
KARNAL	TARAORI	NILOKHERI	GHARAUNDA	ASSANDH	INDRI	NISSING	MOHINDERGARH
Karnal	TARAORI (KARNAL) HARYANA	Nilokheri	Gharaunda	Assandh	Indri	Nissing	Mahendergarh
410000	25944 (According to census 2011)	18000	37871	27125	17487	17438	29128
Municipal Corporation karnal Opp. D.A.V School, Karnal	MUNICIPAL COMMITTEE, TARAORI 01745-042114 secymc.taraori@hry.nic.in	Muniipal Committee Nilokheri	Muniipal Committee Gharaunda	MC Assandh	Municipal Committee, Indri, Near Bus Stand	Municipal Committee, Nissing, Old Post Office wali gali	Ambedkar Chowk
1844044504	01745-242114	01745- 247520	01748-250070	1749277044	1842383528	01745-271608	01285-220234
nagarinikamkarnal@gmail.com	secymc.taraori@hry.nic.in	secymc.nilokheri@hry.nic.in	secymc.gharaunda@gmail.com	secymc.assandh@gmail.com	Secymc.indri@gmail.com	secymc.nissing@yahoo.com	secymc.mahendergarh@gmail.com
Shri Akshayt Bhardwaj Executive Engineer-II, Municipal Corporation Karnal	Ashok Kumar, Secretary	Surender Dahiya ME	Sandeep Rathi ME	Ashok Kumar ME	Sh Prashant Rana JE	Sh. Raj Kumar JE	Sh. Naveen
12 TPD	0.1 TPD	0.7 TPD	1.2 TPD	nil	0	1 TPD	0.8 TPD
3600 MT	36.50 Tons	255.5 MT	438 TPA	0	15 Ton	365 TPA	288 TPA
-	.....	-	0.1 to 1.2 TPD	0	0	-	-
12 TPD	0.10 TPD	0.7 TPD	1.2 TPD	1 TPD	0.04 TPD	1 TPD	-
12 TPD	0.10 TPD	0.7 TPD	1.2 TPD	Nil	0.04 TPD	1 TPD	0.2 TPD
Only C&D waste storage facility available	No processing facility available in MC Taraori	No processing facility available in MC Nilokheri	No	Nil	0	C&D Waste are used for low lying area as base course for street/building and re-used by local people	No
C&D waste processing facility not available	0	0	Nil	Nil	0	0	Nil
NA	0	0	Nil	Nil	0	Nil	Nil
NA	0	0	Nil	Nil	0	Nil	Nil
NA	0	0	Nil	Nil	0	Nil	Nil
NA	0	0	Nil	Nil	0	Nil	Nil
NA	0	0	Nil	Nil	0	Nil	Nil
NA	0	0	Nil	Nil	Demolition waste	Nil	Nil
3600 MT	36.50 Tones	255.5 MT		mil	14 MT	250 MT	Nil
3	36.50 Tones C&D waste is being by the public at their own law laying area by their own sources	255.5 MT C&D waste is being used by the public for own low lying area by their own sources	0	NIL	1	1	Nil
10000sq. Mtrs	Nil	Nil	0	Nil	1 Acre	02 Acre	Nil
No	No	No	0	nil	No	No	No
Yes	No	No	0	nil	No	NO	No
	.....				0		
All the areas under the jurisdiction of Municipal Corporation Karnal are covered for collection of C&D waste. For this, Municipal Corporation Karnal has established a helpline number.	Dumping site, Nadana road Taraori	Dumping place, At Kali Mata Mandir Road, ward No. 6 Nilokheri	01 site on dinger majra road	Near community center ward No.06 Kaithal Bye pass road, Assandh	0	0.25 Acre Near Mata Sundri Khalsa Girls College	1800 Yard
No	0	0	0	Nil	0	Nil	No
Done by ULB	.....	-	0	Through private agency	0	Nil	Yes by MC Mahendergarh
-		0				Nil	Nil
NA	0	-	0	01 Tractor-trolley	0	Nil	Nil
NA	0	Nil	0	-	0	Nil	Nil

Storage bins not available. C&D waste are transported directly to designated collection centre. For this, Municipal Corporation Karnal has developed a helpline centre.	No storage bins	No Storage bins	0	NA	0	Nil	Nil
Mechanical	0	-	0	NA	Manual	Nil	Manual
-	0				0		
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
8	1	1 tractor- torilyly	1	1	2	1	1 (Tractor With trolley)
1	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0
0	0	0	0	5 Tata ACE	0		0
No	0	0	Nil	0	Notification is issued	Nil	No
No	0	0	Nil	0	0	No	0
NA	0	0	Nil	0	0	0	No
NA	0	0	Nil	0	0	0	No
NA	0	0	Nil	0	0	0	No
Penalty provision for unauthorized C&D waste dumping and user fee to collect C&D waste has been put and the same has been issued in newspapers for public information. A control center has been developed with call hunting facilities for collection of C&D waste & unauthorized C&D waste dumping related issues. Municipal Corporation	Team has been constituted	Team has been constituted	Regular monitor the disposal of C&D waste	Regular monitor the disposal of C&D waste	Regular monitor the disposal of C&D waste	Regular monitor the disposal of C&D waste	-
-	Team has been constituted	Team has been constituted	Regular monitor the disposal of C&D waste	0	Regular inspection is done by MC Field staff	Regular inspection is done by MC Field staff	Regular inspection is done by MC Field staff
-	NIL	No	Regular monitor the disposal of C&D waste	0	Regular inspection is done by MC Field staff	Regular inspection is done by MC Field staff	Regular inspection is done by MC Field staff
-	Team has been constituted	Team has been constituted	Regular monitor the disposal of C&D waste	0	Regular inspection is done by MC Field staff	Regular inspection is done by MC Field staff	Regular inspection is done by MC Field staff
NA	NIL	Nil	0	0	NA	NA	No
Yes	Yes	Yes	0	Yes	Yes	Yes	No

MOHINDERGARH			
NARNAUL	Nangal Chaudhary	KANINA	ATELI MANDI
Narnaul	Nangal Chaudhary	KANINA	Ateli Mandi
145897	18537	16090	9210
MC Narnaul	Municipal Committee Nangal Choudhary	Ambedkar Chowk	
01282-251248	01282-278547	01285-235220	01282-275075
gomcnarnaul@gmail.com	secymcnch@gmail.com	mckanina@gmail.com	secy.mcateli@gmail.com
Harish Chander (JE)	Rajesh kaushik, Municipal Engineer	Sh. Rakesh Kumar Safai Daroga	Manish Kumar Safai Daroga
2 tpd	0.3 TPD	0.01	0.07 TPD
730 TPA	110 MT	3.65 Tons	26 MT
0.02 to 2 tpd	.....	-	-
1 TPD	0.3 TPD	0.01 TPD	0
1 TPD	0.3 TPD	0.01 TPD	0.01 TPD
No	No	Nil	Nil
NA	NA	Nil	Nil
NA	NA	Nil	Nil
NA	NA	Nil	Nil
NA	NA	Nil	Nil
NA	NA	Nil	Nil
Nil	NA	Nil	Nil
	110 MT	0.01	Nil
1	1	1 (Manka Wali Bani)	1 (Village Khor)
3.5 Acre	0.5 Acre	8 Acre	0.25 Acre
No	yes	0	No
No	NO	0	No
1 Acre	All wards	Manka Wali Bani (8 Acre)	0.25 Acre (Village khor)
No	No	0	No
No	Yes by own vehicles	0	No
0	0	0.7641 Sq. mtr	-
0	0		-

No	0	Yes	Yes
No	0	Manual	Manual
0	0	0	0
0	0	0	0
5	1	3	2
1	0	0	0
20	0	0	0
0	0	0	0
Garbage rail-20	0	2	4
no	Site are being identified for collection of C&D waste	2	1
No	effort are made by involve PPT	-	-
NA	NA	Nil	No
NA	NA	Nil	No
Na	NA	N.A	NO
Nil			
Nil	No	No	NA
nA	NA	Yes	Yes
Nil	No	No	Nil
Nil	0	Nil	Nil
No	Yes	Yes	Yes

NUH		PANCHKULA			PANIPAT	
NUH	FEROZPUR JHIRKHA	TAORU	PUNHANA	PANCHKULA	Kalka-Pinjore	PANIPAT
Nuh	Firozpur Jhirka	Taruru	Punhana	Panchkula	Panchkula	Panipat
22250	24750	26891	30000	317473	149122	900000
Municipal Committee near sabji mandi civil lines Nuh Haryana 122107	Municipal Committee ward no. 15 Nuh Haryana	Municipal Committee, Taoru Pataudi Road, Tauru, Distt. Mewat(Nuh) Haryana-122105	Municipal Committee Punhana Hodal Badakii Road Punhana	MC Panchkula	MC Kalka	Municipal Corporation Panipat, Improvement Trust Building, Railway Road, Panipat, Haryana
01267-271239	01268-277232	Tel./FaxNo: 01267282298	01268-2712511	0172-2583695	9817542278	0180-2645800
Secymc.nuhmewat@gmail.com	secymc.fjhirka@hry.nic.in	secymc.tauru@gmail.com	secymc.punhana@hry.nic.in https://nuh.gov.in	mcpachkula@gmail.com	mckalka2020@gmail.com	nagarnigampanipat132103@gmail.com
Sh. Mukesh Kumar Secretary	Sh. Vikrant JE	Rashid JE	Dal Chand ME	Deepak Sura, DMC	Smt. Nisha Sharma, E.O.	Sh. Sunder Sheoram XEN
0.5 TPD	0.05 TPD	0.56 TPD	0.5	10 TPD	10 TPD	5 TPD
180 TPA	18.2 TPA	150 TPA	120 tpd	3620TPD	3650 TPA	1800 MT
-	0.05 TPD	-	0.1 to 0.5 tpd	15 TPD	15 TPD	5 TPD
0.5 TPD	0.05 TPD	0.41 TPD	0.3 TPD	10 TPD	10 TPD	5 TPD
0.5 TPD	0.05 TPD	-	0.5 TPD	5TPD	5 TPD	5 TPD
nil	0	NO	nil	NIL	NIL	No
nil	0	0	Not processed and recycled	NIL	NIL	Nil
nil	0	0	Nil	NIL	NIL	Nil
nil	0	0	Nil	NIL	NIL	Nil
nil	0	0	Nil	NIL	NIL	Nil
nil	0	0	Nil	NIL	NIL	Nil
nil	0	0	Nil	NIL	NIL	Nil
nil	0	0	Nil	NIL	NIL	Inert waste use in filling of lowline area.
0	0.05 TPD	0.56	0	YES, 5 TPD	YES, 5 TPD	5 TPD
0	1	1	1	1	-	2
0	1 Acre	2000 Sq. Mtr	2 Acre	2 ACRE	-	1 Acre
0	NA	NA	NA	0	No	-
0	0	NO	nil	yes	YES, 5 TPD	No
					-	
Site being identified	MC Ferozpur Jhirka dumping site Doodh Ghati Tizara road	Buraka Pahari Near Dumping Yard MC Tauru	Within MC Limit	All 20 wards	-	All 26 Wards
0	Nil	Nil	nil	nil	No	0
0	No	NO	No	yes	YES, 5 TPD	Yes
0					0	
NA	NA	NIL	nil	nil	0	0
0	Nil	NIL	nil	nil	-	--

0	There is no storage bins /collectin spots	There is no storage bins /collectin spots	nil	yes	yes	0
Manual	Manual	Manual	NA	Mechanical	Mechanical	Mechanical
					-	
0	0	0	0	0	0	0
0	1	0	0	0	0	0
1	0	1	1	0	0	1
0	0	0	0	1	0	0
1	0	0	0	2	0	0
0	0	0	0	0	0	0
0	0	0	0	1) CB	1 Tricde	0
0	Nil	NO	nil	nil	-	-
0	Nil			0	-	Not yet
0	Nil	NIL	Nil	nil	nil	--
0	Nil	NIL	Nil	nil	nil	--
0	Nil	NIL	Nil	nil	nil	0
	Nil			-	-	-
A team has been constituted for checking/stopping the encroachment on river bank or wet bodies.	No	NO	No	Periodic checking by authorized ward officer	Periodic checking by authorized ward officer	Enforcement team exit
0	No	nil	nil	Periodic checking by authorized ward officer	Periodic checking by authorized ward officer	Enforcement team exit
0	No	no	no	Periodic checking by authorized ward officer	Periodic checking by authorized ward officer	Enforcement team exit
0	0	0	nil	6	3	Nil
yes	0	yes	yes	yes	Yes	Yes

TAT		PALWAL	
SAMALKHA	PALWAL	HATHIN	HODAL
Samaikha	Municipal Council Palwal (Haryana).	Municipal Commetee Hathin (Haryana).	Municipal Council Hodal (Haryana).
39810	226208	14441 (as per Census 2011)	50143(As per census 2011)
Near Bluejay Road Samalkha	Municipal Council palwal, Near commetee chowk palwal.	Municipal committee hathin	Municipal Council hodal,mini sectrate room no.121 near punhana mod hodal
9729568283	01275-252517	8950679055	-
municipalcommitteesamalkha@yahoo.com	secymc.palwal@gmail.com	secymchathin@gamil.com	secymchodal@gmail.com
Sh. Deepak Hooda, Junior Engineer	Sh.Manoj Yadav EO	Sh. Rajpal ME	Rashid Khan, JE
0.010 TPD	2.5TPD.	0.5 TPD	0.5 TPD
3.43 MT	900 TPA	170 TPA	165 TPA
-	1.5TPD to 3.5TPD.	0.5 TPD	0.5 TPD
0.010 TPD	2.5 TPD	0.5 TPD	0.5 TPD
0.010 TPD	2 TPD	0.5 TPD	0.5 TPD
Nil	No	Nil	NO
Nil	0	0	0
Nil	0	0	0
Nil	0	0	0
Nil	0	0	0
Nil	0	0	0
Nil	0	0	0
Nil	0	0	0
Nil	900 MT	170 TPA	165 TPA
2	1	1	1
2 Acre	1 acre	1 Acre	2.5 Acre
Nil	yes	Yes.	No.
Nil	Meghpura	Yes.	No
Garhi Chhau Road SMK	Yes. Meghpur near Nala	Yes	Yes Main road Nuh Near Neeli Kothi
Nil	No.	0	Nil
Nil	Local Authority	0	Local Authority
Nil	Open	0	Open
Nil	yes	0	Yes

Nil	Yes.	0	Yes.
Mechanical	Mechanical	Mechanical	Mechanical
0	0	0	0
0	0	0	0
1	2	1	1
0	0	0	0
17	0	0	0
0	0	0	0
0	0	1	1 JCB
0	0	0	No
0	0		0
0	0	0	0
0	0	0	0
0	0	0	0
0	0		
0	0	0	A team is being constituted by MC Hodal to check unauthorized operations as encroachment in parks and river bank unauthorized filling of low lying area river bank or wet body etc.
0	0	0	Nil
0	0	0	Yes MC Hodal has been issued the notification for taking penal action of non compliace of the rule
0	0	0	0
0	Yes	yes	Yes

ROHTAK			REWARI					
ROHTAK	MEHAM	KALANAUR	SAMPLA	REWARI	BAWAL	DHARUHERA	SONEPAT	GOHANA
Rohtak	Meham	Kalanaur	Sampla	Rewari	Bawal	Dharuhera	Sonipat	Gohana
512469	20484	25045	20563	179750	16776	30344	427270	65708
Municipal Corporation, Rohtak 01262-251515, 251516, commissionermcr@gmail.com	MC Meham	Kalanaur, Haryana	Municipal Council Sampla	Municipal Council Rewari	Municipal Committee Bawal	Municipal Committee Dharuhera Distt. Rewari (HR)	Municipal Corporation Sonipat	MC Gohana Old tehsil road Gohana
01262-251515	01257-233031	01258-223180	9050097957	01274- 225263	01284-260048	01274-242692	0130-2243032	01263-252013
commissionermcr@gmail.com	Secretary.mc.meham@gmail.com	municipalcommitteekalanaur@gmail.com	sec.sampla@gmail.com	eomc.rwr@gmail.com	secy.mcbawal@gmail.com	secy.mc.dharuhera@gmail.com	cmcsnpt@gmail.com	secymc.gohana@hry.nic.in
Mr. Manjeet Dahiya	Sh. Ashok Kumar ME	Sh.Suresh Chand	Sh. Mahabir Singh	Sh. Ajay Kumar	Sh. Sunil Kumar ME	Sh. Sunil Kumar ME	Anand Kishor (Building Inspector)	Vinay Kumar
5 TPD	0.5 TPD	0.1 TPD	0.1 TPD	2 TPD	0.3 TPD	1.5 TPD	1.7 TPD	0
1450 MT	135 Ton	21.4 TPA	36.50 TPA	720 TPA	109 TPA	547.5 TPA	620 TPA	3.65
5 TPD	0.5 TPD	-	-	-	0.1 to 0.5	-	17-20 tone	0.01
5 TPD	0.5 TPD	0.1 TPD	0.1	2 TPD	0.3	1.5	1.7 TPD	0.01
5 TPD	0.5 TPD	0.1 TPD	0.1	2 TPD	0.3	1.5	1.7 TPD	0.01
No	No	Nil	No	No	0	0	No	Brick blast making machine
0	0			Nil	0	0	0	3.65
0	0%	0	0	Nil	0.05	0	0	0
0	0	0	0	Nil	0.05	0	0	0
0	0	0	0	Nil	0.1	0	0	0
0	0	0	0	Nil	0.1	0	0	0
0	0	0%	0	Nil	0.01	0	0	0
0	0	0.1 TPD	0	Nil	-	-	0	3.65
0	135 ton	C&D waste re-used by the public in own area for land filling	36.5	Nil	0.3	1.5	0	0
0	1	1	1	1	1	1	1	0
0	0.70 Acre	1.5 Acre	1	-	3500 Sq. mtr	4800 Sq. mtr	2 acre	0
0	No	NA	No	Yes	Yes	yes	No	0
No	NO	NA	No	No	Yes	YES	No	0
		-						
0	Near Model School, Meham	C&D dumping site is near of Ma Saraswati college, (826 Sq. Yards)	Beri road behind MC Office	45000 Sq. Yard	C&D waste site near Old Fire office Thana road	11.5	All wards	Village Thaska
0	NA	NA	No	No	No	NO	Nil	0
0%	Local Authority	NA	Local Authority	Yes MC Rewari	No	-	MCS	0
						-	-	0
0	NA	0	NA	Nil	4X4X4X	Mechanical	-	0
-	NA	NA	NA	Nil	-	0	01 site identified at village Leharada	0

0	Yes	Yes	Yes	Nil	No	0	Yes	0
Manual	Manually	Manually	Manually	Nil	Manually	0	Mechanical	0
								-
0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0
3	1	1	1	1	3	2	1	1
0	0	0	0	1	0	0	0	0
0	0	4	0	0	5	10	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
yes	Yes at District level on cluster basis	0	Yes	Yes	Yes	Yes	Yes	0
NA	No	0	NA	Tender Floated		0	Yes	0
NA	NA	0	NA	0	for processing C&D waste cluster based agreement has already been done with M/s Shree Shivam Construction.	0	0	0
NA	NA	N/A	NA	0		0	0	0
	NA	N/A	NA	0		0	0	0
	Yes		Yes	0		0	0	
0	yes	Monitoring team in all 15 wards.	No	Regular Inspection is done by MC field staff at regular intervals	0	0	0	0
0	yes	Monitoring team in all 15 wards.	No	Regular Inspection is done by MC field staff at regular intervals	0	0	Regulator monitoring done by Sanitation wing/Challan/fine/notice	Regulator monitoring done by Sanitation wing/Challan/fine/notice
0	yes	Monitoring team in all 15 wards.	No	Regular Inspection is done by MC field staff at regular intervals	0	0	Regulator monitoring done by Sanitation wing/Challan/fine/notice	Regulator monitoring done by Sanitation wing/Challan/fine/notice
0	NA	0	No	0	0	0	0	0
No	Yes	No	No	Yes	Yes	Yes	No	Yes

SONEPAT		
GANNAUR	KHARKHODA	KUNDLI
Gannaur	Kharkhoda	Kundli
35603	32080	36678
Municipal Committee Gannaur	Municipal Committee Kharkhoda	
0130- 2460098	0130-2584141	798887979
secymcgannaur@gmail.com	secymckkd2018@gmail.com	secymckundli@gmail.com
Satish Kumar ME	ME	Sh. Pawan Kumar, Municipal Engineer.
0.010 tpd	0.5 TPD	0.010 TPD
3.6 Tons	150 TPA	3.65 MT
-	0.5 to 0.7 TPD	-
NA	0.5 TPD	0.010 TPD
0.01 TPD	6.5 TPD	0.010 TPD
NA	No	NA
NA	-	NA
NA	0	0
NA	0.2	0
NA	0	0
NA	0	0
NA	0	NA
NA	C&D waste used in Low lying area	NA
NA	1 TPD	NA
1	1	NA
1 Acre	1 Acre	NA
No	No	NA
No	No	NA
		NA
Badshahi road Gannaur	WardNo.01 to Ward No. 15	NA
NA	0	NA
NA	No	NA
NA	0	NA
NA	0	NA
NA	1 storage site identified	NA

NA	Yes	NA
NA	0	NA
NA	0	NA
NA	0	NA
NA	0	NA
1	1	3
NA	0	NA
NA	0	NA
NA	0	NA
NA	0	1 JCB
NA	Yes	0
NA	Yes	0
NA	No	0
NA	No	0
NA	-	0
NA	-	0
NA	as per municipal committee Act 1973	0
NA	Regulator monitoring done by Sanitation wing/Challan/fine/notice	0
NA	Regulator monitoring done by Sanitation wing/Challan/fine/notice	0
NA	0	0
NA	0	0

SIRSA				
SIRSA	MANDI DABWALI	RANIA	KALANWALI	ELLENABAD
Sirsa	Mandi Dabwali (Distt Sirsa)	RANIA	Kalanwali	Ellenabad
182534	57625	25123	22095	36623
Municipal Council, Sirsa	Sh. Rakesh Kumar XEN	MUNICIPAL COMMITTEE RANIA, NEAR MEHTA PETROL PUMP, RANIA, SIRSA.	MUNICIPAL COMMITTEE Kalanwali	MUNICIPAL COMMITTEE ELLENABAD
01666-220525	7015438905	01698-250026	98960-48048	01698-220352
secymc.sirsa@gmail.com	secymcdabwali@gmail.com	secymcrania@gmail.com	secymc.kalanwali@gmail.com	secymc.ellenabad@gmail.com
Sh. Jasbir Chief Sanitary Inspector	Rakesh Kumar	Sh. Vikaramjit Singh Secretary	Sh. Vikaramjit Singh Secretary	Sh. Sumit Kumar Sanitary Inspector
0.166 TPD	0.1 TPD	0.033 TPD	0.1 TPD	0.1 TPD
60.59 TPA	36 Tons	120 TPA	36 Tons	36 Tons
0	-	0	-	-
0.166 TPD	0.1 TPD	0.033 TPD	0.1 TPD	0.1 TPD
0.166 TPD	0.1 TPD	0.033 TPD	0.1 TPD	0.1 TPD
0	Yes	0	0	0
0	36 Tons	0	0	0
0	3	0	0	0
0	3	---	0	0
0	20	0	0	0
0	10	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	0
0	5 Acre	0	0	0
0	0	0	0	0
Yes	Yes	0	0	0
	0			
Near By Chaudhary Devi Lal Park Ward No. 9	Ward No. 1 Uttam Nagar	Near Nirankari Bhawan, Balasar Road, Rania	Dadu Road at kalanwali	Near Mamern bye pass, Ellenabad
0	0	0	0	0
0	0	0	0	0
0		0		
0	0	0	0	0
0	0	0	0	0

0	0	0	0	0
Manual & Mechanical	0	Manual & Mechanical	Mehanical	Manual
0		0		
0	0	0	0	0
0	0	0	0	0
1	1	1	1	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
Yes		Yes	Yes	Yes
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	NA	0	0	0
0	0	0	0	0
Yes	Yes	Yes	Yes	Yes



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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;

- (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

- 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 though 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.

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 (CRRI): 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

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 Feedback 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

	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.