

By Special Messenger / Email

	DELHI POLLUTION CONTROL COMMITTEE DEPARTMENT OF ENVIRONMENT, GOVT. OF NCT OF DELHI 4th & 5th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-110006 visit us at : http://dpcc.delhigovt.nic.in
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F. No. DPCC/WMC-II/Annual Reports/C&D Waste/ 2019/ 7340-7343 Dated: 29/07/2021

To,

✓ Sh. N.K.Gupta,
Additional Director & Divisional Head UPC -I,
Central Pollution Control Board, Parivesh Bhawan,
East Arjun Nagar, Delhi-110032

Sub: Annual Report in Form IV in respect of NCT of Delhi for the Year 2020-2021 on the Implementation of Construction and Demolition Waste Management Rules, 2016.

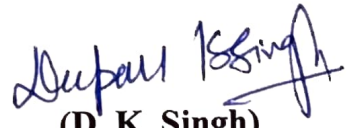
Sir,

Please find enclosed here with Annual Report in Form IV in respect of NCT of Delhi for the Year 2020-2021 on the Implementation of Construction and Demolition Waste Management Rules, 2016.

This issues with the approval of the Member Secretary, Delhi Pollution Control Committee.

Yours Sincerely,

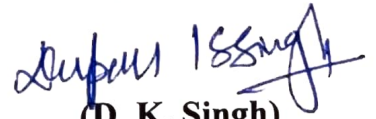
Enclosure: As Above


(D. K. Singh)

Sr.Env.Engineer & I/c (WMC-II)

Copy to:

1. The Secretary, Ministry of Housing and Urban Affairs, Govt. of India, Nirman Bhawan, C Wing, Maulana Azad Road, New Delhi-110011.
2. The Addl. Chief Secretary, Urban Development Department, Govt of NCT of Delhi, 9th Level, Delhi Secretariat, I.P. Estate, Delhi -110002.
3. PS to Chairman, DPCC – For kind information to Chairman, please.


(D. K. Singh)

Sr.Env.Engineer & I/c (WMC-II)

FORM IV

[See rule 8(3)]

Annual Report in respect of NCT of Delhi for the Year 2020-2021 on the Implementation of Construction and Demolition Waste Management Rules, 2016.

To,

The Chairman
Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar
Delhi - 110 032

1.	Name of the State / Union territory	NCT of Delhi
2.	Name & address of the State Pollution Control Board / Pollution Control Committee	Delhi Pollution Control Committee, 4 th & 5 th Floor, ISBT Building, Kashmere Gate, Delhi-110006
3.	Number of municipal authorities responsible for management of municipal solid wastes in the State / Union territory under these rules	5 [North DMC, SDMC, EDMC, NDMC & DCB]
4.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule III	<u>Annexure - I</u> attached.
5.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule IV	There is no Schedule IV in the Construction and Demolition Waste Management Rules, 2016 however <u>Annexure – II</u> is attached as implementation of Schedule I & II.



(Dr. K.S Jayachandran)

Member Secretary

Delhi Pollution Control Committee

Date: 29.07.2021

Place: Delhi

A Summary Statement on Progress made by Municipal Authorities in respect of Implementation of Schedule III of Construction and Demolition Waste Management Rules, 2016, in the Financial Year 2020 - 2021.

Management of Construction and Demolition (C&D) Waste:

There are 5 Local Bodies / Municipal Corporations [3 Municipal Corporations (North DMC, EDMC & SDMC), New Delhi Municipal Council (NDMC) & Delhi Cantonment Board (DCB)] in Delhi. As per the Annual Reports submitted by the Local Bodies in Delhi about 3711 TPD of Construction and Demolition Waste (C&D Waste) is generated in Delhi. Separate collection and transport infrastructure of C&D Waste has been set up under which the C&D Waste is collected at 255 designated sites identified by the 3 Municipal Corporations (North DMC, EDMC & SDMC), NDMC & DCB and briefed in following Table :

Construction and Demolition Waste Generation & Designated Collection Centres in Delhi

S.No.	Name of Local Body	Quantum of C & D Waste Generation (in TPD)	No of Designated Collection Centres for C & D Waste
1	North DMC	1946.35	104
2	East DMC	750 – 800	60
3	South DMC	925	65
4	NDMC	61.46	25
5	Delhi Cantonment Board (DCB)	3.83	1
	Total	3711.64 TPD	255

Collected C & D Waste is transported to the existing 4 C & D Waste Processing / Recycling Facilities / Plants functioning in Delhi. The existing capacity of the 4 operational C & D Waste Processing / Recycling Facilities in Delhi is 4150 TPD and brief is given in following Table :

Construction and Demolition Waste Processing Facilities functioning in Delhi

S. No.	Location of C& D Waste Processing Facility	Name of Operator	Local Body / Authority	Year of Commissioning	Plot Area (in Acres)	Capacity (in TPD)
1	Jahangirpuri (Burari)	M/s IL&FS Environmental Infrastructure and Services Limited	North DMC	2009	7	2000
2	Shastri Park	M/s IL&FS Environmental Infrastructure and Services Limited	East DMC	2016	2.5	1000
3	Mundka (DMRC Site)	M/s IL&FS Environmental Infrastructure and Services Limited	DMRC	2018	2.95	150
4.	Bakkarwala Village	M/s Rise Eleven Delhi Waste Management Co.	South DMC	2020	5	1000
	Total					4150

In these processing facilities, Paver Blocks, Kerb Stones, Bricks, Aggregates, Sand and Soil of BIS standards are being produced out of the C&D waste which is further used in the infrastructure projects, thus fresh requirement of natural resources is minimized. With the existing and proposed processing facilities, it is expected that the entire C&D waste generated in Delhi will be managed properly in a scientific manner.

Proposed New Construction and Demolition Waste Processing Facilities in Delhi

S.No	Location of Proposed C & D Waste Processing Facility	Local Body / Authority	Capacity (in TPD)	Remarks
1	Ranikhera	North DMC	1000	Under Construction by M/s IL & FS Environmental Infrastructure and Services Limited . Part of the Facility with Dry Processing of the C & D Waste is expected to be commissioned by August, 2021. Whole Facility including wet processing of C & D Waste is expected to be commissioned by 01.11.2021.
2	Tehkhand Okhla	South DMC	1000	DDA is in advance stage for allotting land for C& D Waste Processing Facility
3	Libaspur (PWD)		500	Matter is pending with DDA for change of land use of the site.
	Total		2500	

Consent to Operate under the Air & Water Acts and Authorization under the Construction and Demolition Waste Management Rules, 2016, were granted to M/s Rise Eleven Delhi Waste Management Co. in respect of C & D Waste Processing Facility at Bakkarwala Village with validity upto 18.12.2024.

Consent to Operate under the Air & Water Acts granted to M/s IL&FS Environmental Infrastructure and Services Ltd. in respect of C & D Waste Processing Facility at Shastri Park with validity upto 18.02.2025.

Consent to Establish under the Air & Water Acts granted to M/s IL&FS Environmental Infrastructure and Services Ltd. in respect of C & D Waste Processing Facility of 1000 TPD coming up at Ranikhera.

Department of Urban Development, Govt. of NCT of Delhi has already issued Order Dated 06.07.2016 (Copy of Letter enclosed) regarding use of Recycled Products from C&D Waste including following measures to be taken for compliance by all Municipal / Local Govt. Bodies in Delhi, Public Works Department, Irrigation & Flood Control, DSIIDC, DJB & Departments and Organizations of GNCTD involved in Construction/Maintenance of Civil Works:

- (i) A minimum of 2% of C&D Recycled Products shall be used for building works.
- (ii) 10% of C&D Products shall be used for Road works.
- (iii) Urban Local Bodies (ULBs) in Delhi shall mandate 5% use of C&D recycled products for nonstructural application by all, including private individuals. This condition shall be introduced by modifications in byelaws if necessary, & by including the same condition in the building plan approval.
- (iv) Compliance of these conditions shall be verified and certified by the concerned Executive Engineer before verifying and certifying the bills for payments in any such contract.
- (v) Intimation of the action taken/compliance report.

Ministry of Housing and Urban Affairs, Govt. of India, (MoHUA) had fixed the target of 15, 80,000 MT for use of Construction and Demolition recycled materials by various Departments in the Financial Year 2020-21.

For proper management of C&D Waste in Delhi and utilisation of C&D Waste Recycled Materials / Products, meetings were taken by the Chief Secretary, GNCTD & Chairman, DPCC from time to time.

Directions u/s 5 of the EP Act, 1986 were issued by DPCC on 09.02.2021 to various Govt. Departments / Agencies for expediting & maximizing the utilization of C&D Waste Recycled Materials / Products of the C & D Waste Processing Facilities operating in Delhi in their projects to meet the targets fixed by MoHUA. DO Letters were also issued by Secy (Env.) Cum Chairman, DPCC to NHAI, NBCC, CPWD, DDA etc. for increasing the lifting / off-take of C&D Recycled Materials to meet the targets set by MoHUA for Financial Year 2020-2021. Similar Directions and DO Letters were also issued in the past year to meet the targets set by MoHUA.

Action taken by DPCC & meetings taken by the Chief Secretary, GNCTD & Chairman, DPCC from time to time resulted in improvement in the C & D Waste management in Delhi and off take / lifting of C & D Recycled Materials from the existing C & D Waste Processing Facilities in Delhi.

DEPARTMENT OF URBAN DEVELOPMENT
GOVT. OF NCT OF DELHI
9th LEVEL, C-WING, DELHI SACHIVALAYA
I.P. ESTATE, NEW DELHI-110002

F. No. 7(84)/AD/LB/2016/ 5782-5805

Dated: 6.7.16

ORDER

Sub : Use of Recycled Products from Construction & Demolition Waste.

Whereas, Govt. of India accords high priority to Swatchh Bharat and sanitation measures as a tool to synergize dynamic growth & sustainability.

Whereas, in this direction, Govt. has [comprehensively inter-alia revised waste management rules and] notified a new rule, namely Construction and Demolition (C & D) Waste Management Rule, 2016.

Whereas, the major objective of these rules is environmentally sound management of waste, & simultaneously promoting a circular economy through resource recovery and reuse, which in turn is aimed at combating and mitigating climate change phenomenon.

Whereas, Rule 9(1) of the Construction & Demolition Waste Management Rules, 2016 requires the Secretary in-charge of development in State Government to prepare policy w.r.t. management of construction & demolition waste in accordance with the provisions of these rules within one year.

Whereas, the Rule 9(4) of the said rules makes procurement of materials made from Construction and Demolition waste mandatory to a certain percentage (say 10-20%) in municipal and Government contracts subject to strict quality control.

Whereas, one Construction & Demolition Waste Processing plant is already operational in Delhi at Shastri Park (under administrative control of East Delhi Municipal Corporation) & more such proposed plants [at Tikri Kalan, Libaspur (PWD Projects) and at Mundka (DMRC Project)] are under process of being set up in Delhi.

Whereas, the Rule 6, also enlists as duty of Local authority, inter alia at Sl.No.9 to device appropriate measures for management of Construction & Demolition Waste generated including processing facility and for using the recycled products in the best possible manner.

Whereas, an advisory was issued by GNCTD on 27th July 2015, mandating use of recycled C & D Waste products in Delhi. An advisory in continuation of the same was also issued on 14.9.2015 by Dy. Secretary (PWD/UD).

GNCTD hereby orders following measures for compliance of all Municipal/Local Govt. bodies in Delhi, Public Works Department, Irrigation & Flood Control, DSIIDC, DJB & departments and Organisations of GNCTD involved in Construction/Maintenance of Civil Works :

- (1) A minimum of 2% of C&D recycled products shall be used for building works.
- (2) 10% of C&D products shall be used for Road works.
- (3) Urban Local Bodies (ULBs) in Delhi shall mandate 5% use of C&D recycled products for non structural application by all, including private individuals. This condition shall be introduced by modifications in byelaws, if necessary, & by including the same condition in the building plan approval.
- (4) All above conditions, including those mentioned in the office advisory No.23(232)/E-in-C Projects/PWD/2015-16/17902-23 dated 14.9.2015 (adoption of prescribed construction practices, testing the quality of recycled products, installation of on site C&D waste processing plant in redevelopment projects costing more than Rs.500 crores etc.) shall be included in all relevant Civil work tenders i.e. Notice Inviting Tenders, Work Orders & Contract agreements etc. for strict compliance.
- (5) Compliance of these conditions shall be verified and certified by the concerned Executive Engineer before verifying & certifying the bills for payments in any such contract.
- (6) and intimate the action taken/compliance report .


(Ramesh Negi)
Pr. Secretary (UD)

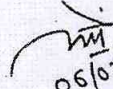
F. No. 7(84)/AD/LB/2016/ 5782-585

Dated 6.7.16

Copy to :

1. The Pr. Secretary (PWD), 5th Level, Delhi Sectt., Delhi.
2. Commissioner, East Delhi Municipal Corporation.
3. Commissioner, North Delhi Municipal Corporation.
4. Commissioner, South Delhi Municipal Corporation.
5. Managing Director, DSIIDC, Bombay Life Building, Cannaught Place, New Delhi.
6. Director General, CPWD, Nirman Bhawan, New Delhi-110011.
7. Engineer-in-Chief, PWD, MSO Building, IP Estate, New Delhi.
8. Engineer Member, DDA, Vikas Sadan, INA, New Delhi-110023.

9. CEO, DJB, Varunalaya, Jhandewalan, New Delhi.
10. Chief Engineer (I&FC), ISBT Building, Kashmere Gate, New Delhi.
11. CEO, DUSIB, Punarwas Bhawan, IP Estate, New Delhi.
12. Chief Engineer (Northern Railway), Baroda House, New Delhi-110001.
13. Chief Engineer, DTTDC, 18-A, DDA SCO Complex, Defence Colony, New Delhi-110024.
14. Executive Officer, Delhi Cantonment Board, Delhi Cantt., New Delhi-110010.
15. CEO, BSES, Nehru Place, New Delhi.
16. CEO, NDPL, Hudson Lane, Kingsway Camp, New Delhi.
17. CEO, Yamuna Power Lighting, Karkardooma, New Delhi.
18. Chief Engineer, RC/W, DMRC, Barakamba Road, Cannaught Place New Delhi.
19. Officer Incharge, DTL/PGCL, Rajghat Power House, New Delhi.
20. Officer Incharge, DTL/PGCL, Loni Road, New Delhi.
21. Chairman, NDMC, Palika Bhawan, Cannaught Place, New Delhi.
22. Chairman, DPCC, ISBT Building, Kashmere Gate, New Delhi.
23. Spl. Secretary, UD Department, GNCTD.


06/07/2016
(Onkar Marathe)
Dy. Director (LB)

A Summary Statement on progress made by Municipal Authorities in respect of Implementation of Schedule I & II of Construction and Demolition Waste Management Rules, 2016 in the Financial Year 2020 - 2021.

Presently there are four Construction and Demolition Waste (C & D) Processing Facilities operating in Delhi as given in following Table:

S. No.	C & D Waste Processing Facility	Existing Capacity (in TPD)
1	C & D Waste Processing Facility at Jahangirpuri (Being operated by IL&FS)	2000
2	C & D Waste Processing Facility at Shastri Park (Being operated by IL&FS)	1000
3	C & D Waste Processing Facility at DMRC Site Rani Khera (Being operated by IL&FS)	150
4.	C & D Waste Processing Facility at Bakkarwala (New Facility started operation in March, 2020)	1000
	Total	4150

1. C & D Waste Processing Facility at Jahangirpuri (Burari)

This C & D Waste Processing Facility is of 2000 TPD capacity and being operated by M/s IL&FS Environmental Infrastructure and Services Ltd. at Jahangirpuri in 34,000 Sq.m. Plot area. Construction and Demolition Waste received and processed at this facility in the Year 2020-2021 is given in the following Table:

S. No.	Description	Quantum (Year 2020-21)
1.	C&D Waste received	710419 MT
	Products of Processed / Recycled C&D Waste	
2.	Non- Structural Concrete aggregate	146820 MT
3.	Manufactured Sand	27041 MT
4.	Ready Mix Concrete (RMC)	Nil
5.	Tiles	6195 m ³
6.	Granular Sub-Base (GSB)	22756 MT
7.	Soil	572113 MT
8.	Cement Bricks	2046 m ³

- The C&D Waste received in the facility are first weighed through Weigh Bridge with computerized system installed near the Gate where trucks enter and after that inspection of the incoming material is done. Records of incoming C&D Waste and various products (Concrete Aggregates, Soil, Concrete Blocks, Tiles, GSB and cement bricks etc.) are maintained.
- Machinery installed in the facility are Rubble Master 60 (in Dry Line Process) , CDE Asia (in Wet Line Processing, Capacity 65 Tonnes per Hour) , Grizzly Set (Filters), Impact Crusher, Hydrocyclone, Filter Press , various Screens, 4 Mini Mixers, JCBs, Brick Making Plant, Vibrating Tables, Batching Plant etc.
- The C&D Waste Processing Facility is having Dry and Wet Processing sections. Big Concrete Blocks are crushed to 200 to 400 mm size and sent to Dry Section for further crushing for getting aggregates of 10 to 20 mm, 3 to 10 mm and 3 to 75 mm size.

- Mixed C & D Waste is sent to Grizzly Set (Filters 200 mm size) and passed material is sent to Impact Crusher for size reduction to 60 mm. Thereafter this material is sent for wet processing where water is mixed with crushed C & D Waste for producing aggregates of 60 to 20 mm, 20-10 mm and 10 to 3 mm size. Hydro cyclone is used to produce sand of 3mm to 75 micrometer size and Silt + Clay of size less than 75 micrometer. Filter press is used for dewatering of the soil extracted from the C & D Waste. Recoverables from Grizzly Set are sent for crushing into size of 200mm to 400 mm.
- Recyclables (Rags, Plastics, Metals, and FRP Sheets etc.) received from the segregation of Construction and Demolition Waste is sold to the Recyclers / Scrap Dealers. Whole Bricks received from segregation of C&D Waste is kept separately for internal use. The rejects in form of RDF is sent to Waste to Energy Plant at Ghazipur (Being operated by IL & FS Environmental Infrastructure & Services Limited).
- The Facility is also having a Batching Plant however it is non-operational due to less demand of Ready Mix Concrete (RMC).
- There is casting section where Tiles, Kerb Stone , Paver Blocks, Brick Tiles , Cement Bricks (Size 400mm x 200mmx 100 mm) are produced using the aggregates & sand produced from the Construction and Demolition Waste and using Cement , Pigments / Colour & other Additives.

2. C & D Waste Processing Facility at Shastri Park

This C & D Waste Processing Facility is of 1000 TPD capacity and being operated by M/s IL&FS Environmental Infrastructure and Services Ltd. at Shastri Park in 2.5 Acres plot area. Consent to Establish and Consent to Operate has been given to the facility for expansion from 500 TPD to 1000 TPD Capacity. Construction and Demolition Waste received and processed at this facility in the Year 2020-2021 is given in the following Table:

S. No.	Description	Quantum (Year 2020-21)
1.	C&D Waste received	273673 MT
	Products of Processed / Recycled C&D Waste	
2.	Non- Structural Concrete aggregate	Nil
3.	Manufactured Sand	20779 MT
4.	Ready Mix Concrete	Nil
5.	Paving Blocks	Nil
6.	Granular Sub-Base (GSB)	44189 MT
7.	Soil	216695 MT
8.	Cement Bricks	5456 m ³

Only wet process is used for C&D Waste processing and have the capacity of 1000 TPD. The source of water supply is STP Yamuna Vihar Power connection with a sanction power load of 600 KW is available. One DG Set of capacity of 35 KVA also provided. Processing unit (crusher), washers, screen thickener, grizzly mixers and roll mix are some of the machinery. Raw materials such as cement and admixtures are used by the plant to produce the final product.

3. C & D Waste Processing Facility at DMRC Site Rani Khara

This C & D Waste Processing Facility is of 150 TPD capacity and being operated by M/s IL&FS Environmental Infrastructure and Services Ltd. at Rani Khara in 12059.63 Sq.m plot area on behalf of Delhi Metro Rail Corporation (DMRC). Construction and Demolition Waste received and processed at this facility in the Year 2020-2021 is given in the following Table:

S. No.	Description	Quantum (Year 2020-21)
1.	C&D waste received Products of Processed / Recycled C&D Waste	47660 MT
2.	Non- Structural Concrete aggregate	Nil
3.	Manufactured Sand	2182
4.	Ready Mix Concrete	Nil
5.	Tiles	2794 m ³
6.	Granular Sub-Base (GSB)	4744 MT
7.	Soil	32635 MT

Only wet process is used for C&D Waste processing and have the capacity of 150 TPD. Weight bridge is provided at site with computerized system. Power connection is provided by the TATA POWER with a sanction power load of 300 KW. JAW, Prograte, Evo wash and aqua cycle are some of the machinery. Raw materials such as construction and demolition waste (Waste debris or Malba) are used by the plant to produce the final product such as fine and coarse aggregates.

4. C & D Waste Processing Facility at Bakkarwala

This C & D Waste Processing Facility is of 1000 TPD capacity and being operated by M/s Rise eleven Delhi Waste Management co., at Bakkarwala in 20230 Sq.mt. plot area. Construction and Demolition Waste received and processed at this facility in the Year 2020-2021 is given in the following Table:

S. No.	Description	Quantum (Year 2020-21)
1.	C&D waste received Products of Processed / Recycled C&D Waste	122610 MT (335 TPD)
2.	Non- Structural Concrete aggregate	26382 MT
3.	Manufactured Sand	28580
4.	Ready Mix Concrete	3927
5.	Paving Blocks	7610 m ³
6.	Granular Sub-Base (GSB)	Nil
7.	Other, if any, please specify	89930 MT

This facility has started its operation in March, 2020 Wet & Dry both processes are in use for C&D Waste processing. 80 TPH is processed by Dry process and 80 TPH is processed by Wet process. Source of water supply is treated water from water feeder channel of IFCD. Power connection is provided by the BSES Rajdhani with a sanction power load of 15 KVA & 380 KW. Lifting of Construction & Demolition Waste from Storage bins is manual or mechanical through JCB, Loader and dumper. Raw materials such as Malba are used by the plant to produce the final product.

Inspection of Ready Mix Concrete Plant of C & D Waste Processing Facility at Bakkarwala was carried out on 29.08.2020 and Show Cause Notice u/s 31(A) of the Air Act, 1981, was issued on 24.11.2020 to the operator of the Facility for imposition of Environmental Compensation of Rs Five Lakh and for taking necessary rectification measures w.r.t deficiencies observed during the inspection. After considering the reply / response received from the operator, Environmental Compensation of Rs Five Lakh was imposed on the Operator of the Facility and the said amount was deposited by the Operator to DPCC. Operator also informed regarding rectification measures taken w.r.t deficiencies observed during the said inspection.

Intake Quantity , Processed Quantity & off-take of C&D Recycled Products from the Existing 4 C & D Waste Processing Facilities in Delhi [at Jahangirpuri (Burari), Shastri Park, Mundka and Bakkarwala] for the Financial Year 2020-2021

C&D Waste Intake Quantity (Lakh MT)	C&D Waste Processed Quantity (Lakh MT)	Off-take		
		Off-take by Govt. Departments (Lakh MT)	Off-take by Private Parties (Lakh MT)	Total Off-take (Lakh MT)
11.52	12.16 (including C&D Waste received in previous years)	7.04	6.07	13.11

Letter Dated 12.04.2021 of M/s IL&FS Environmental Infrastructure and Services Limited regarding Annual Offtake of C&D Recycled Products from the Existing 4 C & D Waste Processing Facilities in Delhi alongwith details of off take by Govt. Departments in the Financial Year 2020-2021 is enclosed

Action taken by DPCC & meetings taken by the Chief Secretary, GNCTD & Chairman, DPCC from time to time resulted in improvement in the C & D Waste management in Delhi and off take / lifting of C & D Recycled Materials from the existing C & D Waste Processing Facilities in Delhi.

To,

Date: 12.04.2021

Dr. K.S Jayachandran, IFS
Member Secretary,
Delhi Pollution Control Committee (DPCC),
6th floor, C wing, Delhi Secretariat, I P Estate,
Delhi-110002

Subject: Annual Off-take Target of C&D Recycled Products for the Financial Year 2021-22

Dear Sir,

As you are aware that there are 4 operational C&D Waste Processing Plants in Delhi at Burari, Shastri Park, Mundka & Bakkarwala, with a combined processing capacity of 4150 MT/day.

We deeply appreciate the DPCC for periodical review of C&D recycled products off-take and strict enforcement of C&D Waste Management Rules, 2016, which had resulted into all-time high lifting by various Government Departments in Delhi to the extent of 7,04,493 MT during the last FY 2020-21.

Quantity of C&D waste received, processed and off-take by Government Department and private parties during the FY 2020-21 is furnished below:

Quantity of C&D Waste Received (MT)	Quantity of C&D Waste Processed (MT)	Off-take (MT)		
		Government Departments (MT)	Private Parties (MT)	Cumulative Off-take (MT)
11,52,181	12,16,280	7,04,493	6,06,942	13,11,435

From the above table, it may be seen that the off-take quantity of C&D recycled products is higher than the quantity of C&D waste received during FY 2020-21. This has enabled processing of legacy C&D waste and helped in reduction of inventory of the C&D waste.

Government Departments wise off-take of C&D recycled products during the financial year 2020-21 is attached as **Annexure 'A'**.

It is informed that the Ministry of Housing & Urban Affairs, Government of India in the review meeting held on 23.03.2021 had fixed the annual off-take target of 15.00 lakh MT during FY 2021-22 for all the Government Departments in Delhi. **(Copy enclosed as Annexure-'B')**

We request your good office to continue review of C&D recycled products off-take and enforcement of C&D Waste Management Rules, 2016, so that Government Departments in Delhi lift the C&D recycled products as per annual target 2021-22 fixed by MoHUA.

This will immensely help in mitigation of dust pollution in Delhi and conservation of precious natural resources.

With Warm Regards,

Deepak Agarwal

Deepak Agarwal, Ex JS/GOI

**Status of Off-take of C&D Recycled Products by the Government Departments in Delhi
For FY 2019-20 and FY 2020-21**

S.N.	Name of Government Department	FY 2019-20		FY 2020-21		
		Off-take Target (MT)	Achievement (MT)	Off-take Target (MT)	Grand Total (MT)	Percentage (%)
1	North Delhi Municipal Corporation	25000	73340	100000	59181	59.18
2	East Delhi Municipal Corporation	25000	38182	50000	54201	108.40
3	South Delhi Municipal Corporation	50000	47327	75000	51470	68.63
4	DDA	50000	42530	100000	221315	221.32
5	DSIIDC	100000	73344	135000	84160	62.34
6	Irrigation & Flood Control	200000	92757	200000	65671	32.84
7	New Delhi Municipal Council	10000	3539	25000	8253	33.01
8	PWD	100000	34419	100000	90526	90.53
9	CPWD	15000	4663	100000	15143	15.14
10	NBCC	30000	1840	100000	1345	1.35
11	DMRC	1000	12	10000	11470	114.70
12	Railway Board	1000	0	10000	15	0.15
13	NCRTC	0	0	5000	0	0.00
14	DJB	0	0	5000	4289	85.79
15	Delhi Tourism and Transport Development Corporation (DTTDC)	0	0	5000	728	14.56
16	Delhi Urban Shelter Improvement Board (DUSIB)	0	0	5000	117	2.34
17	Delhi Cantonment Board	0	0	5000	0	0.00
18	DRDO	-	-	-	986	0.06
19	Delhi Transco Limited, BYPL, BRPL, Tata Power Delhi Distribution Limited & Other Government Departments of NCT of Delhi	0	0	50000	802	1.60
Total (MT)		607000	411953	1080000	669672	62.01
20	NHAI	1000000	1362	500000	34821	6.96
Grand Total (MT)		1607000	413315	1580000	704493	44.59

No. K 14011/44/2019-UT-IV
Government of India
Ministry of Housing and Urban Affairs
(UT-IV Desk)

Nirman Bhawan, New Delhi
Dated: 31st March, 2021

Office Memorandum

Sub: Minutes of meeting to review the progress of mandatory use of C&D recycled products -reg.

The undersigned is directed to forward herewith the Minutes of the meeting held on 23.03.2021 at 3.30 PM under the chairmanship of OSD (UT) & EoJ.S., MoHUA, to review the progress of mandatory use of C&D recycled products.

Enclosure: As above


(Nutan Kumari)

S.O.

(UT-IV)

Ph. No. 011- 2306 1336

To

1. Chairman, NDMC;
2. Chairman, Railway Board;
3. Member (Engineering), DDA, New Delhi;
4. Engineer in Chief, PWD;
5. Chairman, National Highways Authority of India;
6. MD, NCRTC;
7. DG, CPWD;
8. Commissioner, North Delhi Municipal Corporation
9. Commissioner, South Delhi Municipal Corporation,
10. Commissioner, East Delhi Municipal Corporation;
11. CEO, Delhi Urban Shelter Improvement Board (DUSIB);
12. CEO, Delhi Jal Board;
13. MD, DMRC;
14. CMD, NBCC;
15. Chief Engineer (I&FC) Zone-I;
16. Chief Engineer (I&FC) Zone-II;
17. Chief Engineer, DSIIDC;
18. MD, Delhi Tourism and Transport Development Corporation
19. CEO, Delhi Cantonment Board;
20. CEO, BYPL
21. MD, Tata Power Delhi
22. Shri Deepak Agarwal, Sr. Vice President, IL&FS
Environmental Infrastructure & Service Limited.

Copy to: 1. PPS to Secretary (MoHUA) 2. PPS to AS(D&UT)
3. PPS to OSD (UT)

Minutes of the meeting held in the Ministry of Housing and Urban Affairs (MoHUA) to review the progress of off-take of C&D recycle products during the Financial Year 2020-21 as per C&D Waste Management Rules, 2016 and for Annual Target for the year 2021-22.

A meeting was held on 23.03.2021 in MoHUA under the Chairmanship of OSD (UT) & EO J.S., , through Video Conferencing to review the progress of off-take of C&D recycle products from the Plants of IL&F Environment by various Departments/Organisations of Delhi during the financial year 2020-21 as per C&D Waste Management Rules, 2016 and for discussing the Off-take target for the financial year 2021-22. The list of participants is attached as Annexure-1 and the list of target achieved by the various departments against the targets fixed for the FY 2020-21 by MoHUA, has been provided at Annexure-2 .

2. OSD (UT) & EO J.S. welcomed the participants from various Government Departments & Organizations and mentioned that as an important initiative to control air pollution in Delhi, the off-take of C&D recycle products is regularly monitored by concerned Ministries and also reviewed by high level meetings convened for management of air-pollution in Delhi.

3. A presentation was made by M/s IL&FS Environmental Infrastructure & Services Limited showing the actual off-take of C&D recycled products up to 15th March 2021 by each department against the annual target fixed for FY 2020-21. It was mentioned that cumulative off-take by the Government Departments from 1st April 20 to 15th March 2021 is 6.41 lakh MT (40.60%) against the annual target of 15.80 lakh MT. It was highlighted in the presentation that the Delhi Development Authority, Delhi Metro Rail Corporation and East Delhi Municipal Corporation have exceeded their annual target for the year 2020-21 and their efforts were appreciated in the meeting. Attention was invited further to C&D Waste Management Rules, 2016, [9(4) of the Rules] use of 10-20 % of C&D recycled products in procurement by municipal and Govt. bodies, and as it is a contribution to the environment all the Organisations with off-take lesser than targets may make concerted efforts to improve the off-take in the remaining days of current financial year to make good the gap in their respective targets for 2020-21. The Departments/Organisations were also requested to incorporate the above requirement suitably in the ongoing and upcoming construction works/ tenders/ contracts in compliance of C&D Waste Management Rules, 2016.

4. Department wise review was taken up and the details are enumerated below:

North Delhi Municipal Corporation: North DMC has lifted 57,756 MT of C&D recycle products against their target of 1,00,000 MT. North DMC officials confirmed that they will achieve 80 % of their target by 31st March 21.

East Delhi Municipal Corporation: OSD (UT) & EO J.S., MoHUA, appreciated EDMC for exceeding the annual target by lifting 53,697 MT against the target of 50,000 MT which is 107.39%.

South Delhi Municipal Corporation: SDMC has lifted 45,128 MT of C&D recycle products against their target of 75,000 MT. SDMC confirmed that they will achieve 80 % of their target by 31st March 21.

Delhi Development Authority: OSD (UT) & EO J.S., MoHUA, congratulated and appreciated DDA for exceeding their annual target by lifting 2,16,261 MT of C&D recycle products against their target of 1,00,000 MT [which is 216%].

Delhi State Industrial Infrastructure Department Corporation: DSIIDC has lifted 80,198 MT of C&D recycle products against their target of 1,35,000 MT. DSIIDC confirmed to lift cumulative quantity of 1,00,00 MT of C&D recycled products by 31st March 21.

Irrigation & Flood Control: I&FC has lifted 45,775 MT of C&D recycle products against their target of 2 lakh MT. I&FC confirmed to lift cumulative quantity of 0.70 lakh MT by 31st March 21.

New Delhi Municipal Council: NDMC has lifted 8,035 MT of C&D recycle products against their target of 25,000 MT. NDMC confirmed to lift 10,000 MT of C&D recycle products by 31st March 21.

Public Works Department: PWD has lifted 79,933 MT of C&D recycle products against their target of 1,00,000 MT and confirmed to achieve their annual target by 31st March 2021.

Central Public Works Department: CPWD has lifted 13,861 MT of C&D recycle products against their target of 1,00,000 MT. CPWD confirmed to lift 15,000 MT of C&D recycle products by 31st March 21.

National Building Construction Company: NBCC has lifted 6,000 MT of C&D recycle products against their target of 1,00,000 MT. NBCC officials confirmed to lift 10,000 MT of C&D recycle products by 31st March 21.

Delhi Metro Rail Corporation: OSD (UT) & EO J.S., MoHUA, appreciated DMRC for achieving the annual target by lifting 11,452 MT of C&D recycle products against their target of 10,000 MT which is 114.52%.

Railway Board: Railway Board has lifted 15 MT quantity of C&D recycle products against their target of 5,000 MT. Railway Board officials informed Northern Railway has been directed to lift the material in the next financial year.

Delhi Jal Board: DJB has lifted 4,385 MT of C&D recycle products against their target of 5,000 MT. DJB officials asked IL&FS Environment to provide plant wise off-take list and confirmed to achieve their off-take target by 31st March 2021.

National Highways Authority of India: NHAI has lifted 37,800 MT of C&D recycle products against their target of 5 lakh MT. NHAI Officials informed that they have written letters to MoHUA to revise the off-take target from 5 lakh Mt to 40,000 MT in current financial year. NHAI confirmed to lift 5,00,000 MT of C&D recycled products in the next financial year 2021-22 for utilization in UER-II project.

National Capital Region Transport Corporation: NCRTC officials asked MoHUA to revise their off-take data of 5000 MT for the current financial year as their project is in initial stage and they are not in position to lift the C&D recycled products.

5. With due deliberations and considering the annual generation of C&D waste in GNCTD and inventory of C&D waste and C&D recycled products in various C&D waste processing facilities, the capacity/scope of off-take etc., the annual off-take target for various Government Departments has been fixed by MoHUA for next financial year 2021-22 as below:

S.N.	Name of Government Department	Target FY 2021-22 (MT)
1	North Delhi Municipal Corporation	75000
2	East Delhi Municipal Corporation	50000
3	South Delhi Municipal Corporation	75000
4	DDA	200000
5	DSIIDC	100000
6	Irrigation & Flood Control	100000
7	New Delhi Municipal Council	25000
8	PWD	100000
9	NHAI	500000
10	CPWD	100000
11	NBCC	100000
12	DMRC	10000
13	Railway Board	10000
14	NCRTC	5000
15	DJB	10000
16	Delhi Tourism and Transport Development Corporation (DTTDC)	5000
17	Delhi Urban Shelter Improvement Board (DUSIB)	5000
18	Delhi Cantonment Board	5000
19	Delhi Transco Limited, BYPL, BRPL, Tata Power Delhi Distribution Limited & Other Government Departments of NCT of Delhi	25000
Grand Total (MT)		1500000

7. The meeting concluded with the vote of thanks to the Chair.

Participant who attended meeting of C&D waste products on
23.03.2021

MINISTRY OF HOUSING & URBAN AFFAIRS

1. SH. JAIDEEP, OSD(UT) & EoJS- in Chair
2. SH. C. UPPILI, DIR (MRTS-II)

OTHER GOVT. DEPARTMENTS/ AGENCIES

1. SH HAIRSH KUMAR, DDG, CPWD (Through VC)
2. SH.AJAY GUPTA, CE, DJB, (Through VC)
3. BSES YAMUNa, (Through VC)
4. CE, DSIIDC, (Through VC)
5. CE, SLF, EDMC, (Through VC)
6. DIR, LA, RAILWAY BOARD, (Through VC)
7. DIR ,DEMS, SDMC, (Through VC)
8. SH O P SRIVASTAVA CE, IFC (Through VC)
9. SH PAWAN KR, CPM, DTTDC(Through VC)
10. SH. SANJAY GUPTA, CE, NDMC (Through VC)
11. SH.SANJAY KR, EE DTTDC, (Through VC)
- 12 SH.SUNDEEP SHARMA, DUSIB
- 13 SH.SUNIL BHASKAR, CE, NCRTC, (Through VC)
- 14 SH. UDEEP K SINGHAL, GM & RO, NHAI, (Through VC)
- 15 MS.AKTA KUMARI, NHAI (Through VC)
- 16 SH. V K SINGH, PWD, (Through VC)
- 17 SH, VIKASH SINGHAL, DMRC, (Through VC)
- 18 SH. C L MEENA, EE, NDMC , (Through VC)
- 19 DIR(IL) DDA, (Through VC)

IL&FS

1. SH DEPPAK AGGARWAL, SVP, IL&FS
2. SH. MOHIT KAUSHIK (Through VC)

Off-take of C&D Recycled Products During the Financial Year 2020-21 (1st April 20 – till 15th March 21)

S.N.	Name of Government Department	FY 2020-21		
		Off-take Target FY 2020-21 (MT)	Cumulative Off-take from 1st April 20 – Till 15 th Mar 21	Percentage (%)
1	North Delhi Municipal Corporation	100000	57756	57.76
2	East Delhi Municipal Corporation	50000	53697	107.39
3	South Delhi Municipal Corporation	75000	45128	60.17
4	DDA	100000	216261	216.26
5	DSIIDC	135000	80198	59.41
6	Irrigation & Flood Control	200000	36647	18.32
7	New Delhi Municipal Council	25000	8035	32.14
8	PWD	100000	79933	79.93
9	CPWD	100000	13861	13.86
10	NBCC	100000	1170	1.17
11	DMRC	10000	11452	114.52
12	Railway Board	10000	15	0.15
13	DJB	5000	4385	87.71
14	Delhi Tourism and Transport Development Corporation (DTTDC)	5000	673	13.46
15	Delhi Urban Shelter Improvement Board (DUSIB)	5000	117	2.34
16	NCRTC	5000	0	0.00
17	Delhi Cantonment Board	5000	0	0.00
18	Delhi Transco Limited, BYPL, BRPL, Tata Power Delhi Distribution Limited & Other Government Departments of NCT of Delhi	50000	820	1.64
	Total (MT)	1080000	610148	56.50
19	NHAI	500000	31346	6.27
	Grand Total (MT)	1580000	641494	40.60