

DELHI POLLUTION CONTROL COMMITTEE
DEPARTMENT OF ENVIRONMENT, (GOVT. OF NCT OF DELHI)
5th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-110006
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F.No.DPCC/WMC-II/Annual Reports/C&D waste/2018/1764-66 Dated: 24.06.2019

To,

Smt. Divya Sinha,
Additional Director (UPC-II Div.),
Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar, Delhi-32

Sub: Furnishing Annual Reports for the year 2018-19 on Implementation of the Construction and Demolition Waste Management Rules, 2016

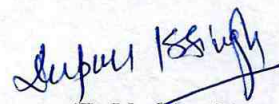
Sir,

This has reference to the provision under section 8(3) of the Construction and Demolition Waste Management Rules, 2016 wherein, Delhi Pollution Control Committee is required to furnish the Annual Reports on implementation of the Construction and Demolition Waste Management Rules, 2016.

The consolidated annual report in form-IV along with Annexures as prescribed is being sent to you in compliance of the said C&D rules, 2016.

This is being issued with the approval of Member Secretary, DPCC.

Yours sincerely,


(D.K. Singh)
SEE, WMC-II

Copy To:

1. The Secretary, Ministry of Housing and Urban Affairs, Nirman Bhawan, Delhi-110001.
2. Director (HSMD), Ministry of Environment, Forest & Climate Change, Room No. 09, Agni Wing, Level IV, Indira Payavaran Bhawan, Jor Bagh Road, New Delhi-110003

o/c

Annual Report under Construction and Demolition Waste Management Rules, 2016
by Delhi Pollution Control Committee to Central Pollution Control Board

To,

The Chairman,
 Central Pollution Control Board,
 Parivesh Bhawan,
 East Arjun Nagar,
 Delhi-110032

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, Department of Environment, Govt. of NCT of Delhi, 5th 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 Local Bodies
4.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule III] : Please attach as Annexure-I	Annexure-I attached
5.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule IV : Please attach as Annexure-II	Schedule IV is not existing in these rules however , annexure- II is attached as implementation of Schedule I & II



Member Secretary
 Delhi Pollution Control committee

Annexure – 1

Year 2018-19

A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule III of Construction and Demolition Waste Management Rules, 2016.

Presently there are three construction and demolition waste processing facilities operating in Delhi:

IL & FS Environmental Infrastructure & Services Ltd. Jahangirpuri

IL & FS Environmental Infrastructure & Services Ltd. Jahangirpuri is a C & D waste processing facility with a capacity of 1800 – 2000 TPD spread over an area of 7 acres.

Status of C&D waste for the year 2018-19

S. No.	Description	Quantum
1.	C&D waste received	417494 MT
2.	Non- Structural Concrete aggregate	138613 MT
3.	Ready Mix Concrete	Nil
4.	Paving Blocks	1707 m ³
5.	Granular Sub-Base (GSB)	15951 MT
6.	Soil	126043 MT
7.	Cement Concrete Bricks	2330 m ³

Two kinds of processes are used to process the C & D waste i.e. wet and dry processes and they have the capacity of 60 TPH for Dry Waste Process and 95 TPH for Wet Waste Process. Electricity and diesel are the types of fuels that are used to process the waste and the source of water supply is treated water from Coronation pillar of STP. DJB water connection for office use is also available. Power connection is provided by the TPDDL with a sanction power load of 200 KW. One DG SET is also being used with a capacity of 100 KVA. Rubble master (Dry line) ,CDE (Wet line), 4 vibrating table 4 mini mixers are some of the machinery and raw materials such as cement and add mixture are used by the plant to produce the final product such as CC blocks, pebble blocks and curb stone etc.

IL & FS Environmental Infrastructure & Services Ltd. Shastri Park

IL & FS Environmental Infrastructure & Services Ltd. Shastri Park is a C & D waste processing facility with a capacity of TPD 500 TPD spread over an area of 2.5 acres.

Status of C&D waste for the year 2018-19

S. No.	Description	Quantum
1.	C&D waste received	168482 MT
2.	Non- Structural Concrete aggregate	Nil
3.	Manufactured Sand	19183 MT
4.	Ready Mix Concrete	Nil
5.	Paving Blocks	Nil
6.	Granular Sub-Base (GSB)	33251 MT
7.	Soil	43317 MT
8.	Cement Concrete Bricks	1655 m ³

Only wet process is used for C&D Waste processing and have the capacity of 500 TPD. Electricity and diesel are the types of fuels that are used to process the waste and the source of water supply is STP Yamuna Vihar and two tankers per day and one bore- well for domestic use is also available. Power connection with a sanction power load of 600 KW is available. One DG Set is also being used with a capacity of 35 KVA. Processing unit (crusher), washers, screen thickener, grizzly mixers and roll mix are some of the machinery and raw materials such as cement and add mixture are used by the plant to produce the final product.

IL & FS Environmental Infrastructure & Services Ltd. Ranikhera

IL & FS Environmental Infrastructure & Services Ltd. Ranikhera is a C & D waste processing facility with a capacity of 150 TPD spread over an area of 2.95 acres.

Status of C&D waste for the year 2018-19

S. No.	Description	Quantum
1.	C&D waste received	50825 MT
2.	Non- Structural Concrete aggregate	Nil
3.	Manufactured Sand	Nil
4.	Ready Mix Concrete	Nil
5.	Paving Blocks	13124 m ³
6.	Granular Sub-Base (GSB)	3753 MT
7.	Soil	31151 MT
8.	Cement Concrete Bricks	Nil

Only wet process is used for C&D Waste processing and have the capacity of 150 TPD. Electricity is used as a fuel to process the waste and the source of water supply is bore well. Power connection is provided by the TATA POWER with a sanction power load of 300 KW. Weight bridge, JAW, HIS, Prograte, Evo wash and aqua cycle are some of the machinery and raw materials such as construction and demolition waste is used by the plant to produce the final product such as fine and coarse aggregates.

Annexure-II**Year 2018-19****A Summary Statement on progress made by municipal authorities in NCT of Delhi with respect to the implementation of Schedule I & II of Construction and Demolition Waste Management Rules, 2016.**

Delhi is having 3 Construction and Demolition Waste Processing Facility at Jahangir Puri, Shastri Park and Rani Khera being operated by IL&FS. (Jahangir Puri-2000 TPD, Shastri Park-500 TPD and Rani Khera-150 TPD). Approximately 3900 TPD of Construction and Demolition Waste (C& D Waste) is generated in Delhi. At present 2650 TPD of C&D waste processing capacity is available. Additional 3000 TPD C&D waste is planned to process by December 2020.

The existing capacity of Construction and Demolition Waste Processing / Recycling plants in Delhi is 2650 TPD as mentioned in following Table:

S. No.	C& D Waste Processing Facility	Existing Capacity (in TPD)	Proposed Expansion for Additional Waste Processing Capacity (in TPD)
1	North DMC Construction and Demolition Waste Processing Facility at Jahangir Puri (Being operated by IL&FS)	2000	---
2	East DMC Construction and Demolition Waste Processing Facility at Shastri Park (Being operated by IL&FS)	500	500
3	DMRC Construction and Demolition Waste Processing Facility at DMRC Site Rani Khera (Being operated by IL&FS)	150	---
	Total	2650	500

The Status Construction and Demolition Waste Processing Facilities Proposed in Delhi:

S.No	Proposed Site of C& D Waste Processing Facility	Proposed Waste Processing Capacity (in TPD)
1	Bakkarwala (South DMC)	500 (expanding up to 1000 TPD)
2	Maidangarhi (South DMC)	1000
2	Ranikhera (North DMC)	1000
4	Libaspur(PWD)	500
	Total	3000

New Delhi Municipal Council disposing its C&D Waste at C&D Waste processing facility at Shastri Park, Delhi

North Delhi Municipal Corporation has notified 87 locations for collecting / dumping of C&D waste under its jurisdiction.

Delhi Cantonment Board disposing its C&D Waste at C&D Waste processing facility at Shastri Park, Delhi. 330 MT of C&D Waste is generated under its jurisdiction. The cantonment board has established C&D Waste collection Centre at Village Jharera, Delhi Cantonment. DCB has also installed CCTV cameras at vulnerable locations.

East Delhi Municipal Corporations has outsourced the operation of its C&D Waste Processing facility at Shastri Park, Delhi to IL &FS.EDMC has also designated 75 locations for collecting / dumping of C&D waste under its jurisdiction.

South Delhi Municipal Corporations proposes a C&D Waste Processing facility at Bakkarwala which is likely to be started by this year. This will cater the C&D waste from West and Najafgarh zones. Another Plant is to come up at Maidangarhi for which land has been allotted by DDA. This site will cater the areas of South and Central zones. This facility is also expected to start functioning by the end of this year. SDMC has appointed 15 Municipal Magistrates to try the offences in relation to littering & causing nuisance, sanitation and public health. SDMC has also designated 65 locations for collecting / dumping of C&D waste under its jurisdiction.