

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>

F. No. DPCC/WMC-II/Annual Reports/C&D Waste/ 2019/85-88

Dated: 29-07-2022

To,

Sh. N.K.Gupta,

Additional Director & Divisional Head UPC -I,
Central Pollution Control Board, Parivesh Bhawan,
East Arjun Nagar, Delhi-110032

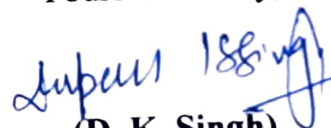
**Sub: Annual Report in Form IV in respect of NCT of Delhi for the Year 2021-2022
on the Implementation of Construction and Demolition Waste Management
Rules, 2016.**

Sir,

Please find enclosed here with Annual Report in Form IV in respect of
NCT of Delhi for the Year 2021-2022 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,

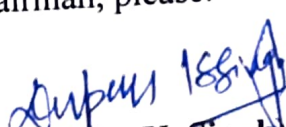

(D. K. Singh)

Enclosure: As Above

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 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)]

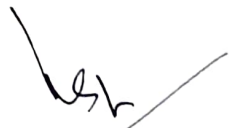
Annual Report in respect of NCT of Delhi for the Year 2021-2022 on the Implementation of Construction and Demolition Waste Management Rules, 2016.

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, 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 [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.

Date : 29. 07.2022
Place : Delhi


(Dr. K. S. Jayachandran)
Member Secretary
Delhi Pollution Control Committee

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 2021 - 2022.

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

5 Local Bodies / Municipal Corporations [3 Municipal Corporations (Erstwhile North DMC, EDMC & SDMC), New Delhi Municipal Council (NDMC) & Delhi Cantonment Board (DCB)] in Delhi were responsible for the management of Construction and Demolition Waste in their areas of jurisdiction in the financial year 2021- 2022. Erstwhile North DMC, EDMC & SDMC have been unified in May, 2022 and now there is one single unified Municipal Corporation known as Municipal Corporation of Delhi (MCD) in place of above mentioned 3 corporations. As per the Annual Reports submitted by the above mentioned Local Bodies in Delhi **3448.53** 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 **257** designated sites identified by the 3 Municipal Corporations (Erstwhile North DMC, EDMC & SDMC), NDMC & DCB and briefed in following Table :

Construction and Demolition Waste Generation & Processing / Recycling and Designated Collection Centres in Delhi

S. No.	Name of Local Body	Population (in Lakh)	No. of Wards / Circles	No. of Designated Collection Centres for C & D Waste	Quantum of C&DWaste Generation (in TPD)	Quantum of C&DWaste Processed / Recycled (in TPD)	Gap Between Generation & Processing / Recycling (in TPD)
1	North DMC	90	104	102	1237.96	194.07	1043.89
2	East DMC	50	64	64	1005.47	816.44	189.03
3	South DMC	70	104	65	1126.96	682.24	444.72
4	NDMC	03	14 Circles	25	74.72	74.72	Nil
5	Delhi Cantonment Board (DCB)	1.3	08	1	3.42	2.88	0.54
	Total	214.3	294	257	3448.53 TPD	1770.35 TPD	1678.18* TPD

Note :

- 1. North DMC** - Collected C & D Waste is transported to the C & D Waste Processing Facility at Jahangirpuri (Burari) / Ranikhera for Processing / Recycling.
- 2. East DMC** - Collected C & D Waste is transported to the C & D Waste Processing Facility at Shastri Park for Processing / Recycling.
- 3. South DMC** - Collected C & D Waste is transported to the C & D Waste Processing Facility at Bakkarwala Village for Processing / Recycling.
- 4. NDMC & DCB** - Collected C & D Waste is transported to the C & D Waste Processing Facility at Shastri Park for Processing / Recycling.
- 5. *C & D Waste** is either dumped at the Low Lying Areas under the jurisdiction of the Local Bodies or used at the Ghazipur / Bhalaswa/ Okhla Dumpsite for covering of dumped Municipal Solid Waste and making of temporary roads at the Dumpsite for movement of vehicles.

Collected C & D Waste is transported to the existing 5 C & D Waste Processing / Recycling Facilities / Plants in Delhi. The capacity of the 5 existing C & D Waste Processing / Recycling Facilities in Delhi is 5150 TPD and brief is given in following Table :

Existing Construction and Demolition Waste Processing Facilities 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) (Plant was in operation till Feb, 2022. Plant is to be revamped & New Plant & Machinery to be installed)	M/s Indo Enviro Integrated Solutions Limited	North DMC	2009	7	2000
2	Shastri Park	M/s Indo Enviro Integrated Solutions Limited	East DMC	2016	2.5	1000
3	Mundka (DMRC Site)	M/s Indo Enviro Integrated Solutions Limited	DMRC	2018	2.95	150
4	Pocket I-2, Industrial Area Rohini, Phase V at Ranikhera	M/s Indo Enviro Integrated Solutions Limited	North DMC	2021	5.98	1000
5.	Bakkarwala Village	M/s Rise Eleven Delhi Waste Management Co.	South DMC	2020	5	1000
	Total					5150

In these processing facilities, Paver Blocks, Kerb Stones, CC Bricks, Aggregates, Granular Sub-Base (GSB), 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	Tehkhand , Okhla	South DMC	1000	DDA has allotted plot. Erstwhile SDMC applied for tree cutting permission to Forest Department which is awaited.
2	Libaspur (PWD)		500	Matter is pending with DDA for change of land use of the site.
	Total		1500	

Consent to Operate under the Air & Water Acts and Authorization under the Construction and Demolition Waste Management Rules, 2016, have been granted to M/s Indo Enviro Integrated Solutions Limited in respect of New C & D Waste Processing Facility at Pocket I-2, Industrial Area Rohini, Phase V, Ranikhera with validity upto 06.10.2026.

Department of Urban Development, Govt. of NCT of Delhi has already issued Order Dated 06.07.2016 (Copy of Letter enclosed as **Annexure- “A”**) 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) fixes the target for every financial year for use of Construction and Demolition recycled materials by various Departments. MoHUA had fixed the target of 15, 80,000 MT for use of Construction and Demolition recycled materials by various Departments in the Year 2020-21. Tentative Annual Off-take Target of C&D Recycled Products by the Government Departments for Financial Year 2022-23 is enclosed as **Annexure- “B”**

Directions u/s 5 of the EP Act were issued by DPCC on 14.01.2020 and 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.

Monitoring is being done by DPCC & Inspections of C & D Waste Processing Facilities are carried out from time to time. Based on the Inspections, Environmental Compensation of Rs Five Lakh was imposed on C&D Waste Processing Facilities at Jahangirpuri (Burari) in 2019 and Environmental Compensation of Total Rs Ten Lakh was imposed on C&D Waste Processing Facility at Bakkarwala (Rs. Five Lakh each in January, 2021 and August, 2021). The said amount of Environmental Compensation has been deposited by the aforementioned C & D Waste Processing Facilities.

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, GoI 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)

***Tentative Annual Off-take Target of C&D Recycled Products by the Government Departments
for FY 2022-23***

S.N.	Name of Government Department	Annual Off-take Target (MT)
1	MCD (erstwhile North Delhi Municipal Corporation)	100000
2	MCD (erstwhile East Delhi Municipal Corporation)	50000
3	MCD (erstwhile South Delhi Municipal Corporation)	50000
4	DDA	100000
5	DSIIDC	140000
6	Irrigation & Flood Control	200000
7	New Delhi Municipal Council	25000
8	PWD	100000
9	CPWD	100000
10	NBCC	100000
11	DMRC	10000
12	Railway Board	10000
13	NCRTC	5000
14	DJB	5000
15	Delhi Tourism and Transport Development Corporation (DTTDC)	5000
16	Delhi Urban Shelter Improvement Board (DUSIB)	5000
17	Delhi Cantonment Board	5000
18	Delhi Transco Limited, BYPL, BRPL, Tata Power Delhi Distribution Limited & Other Government Departments of NCT of Delhi	50000
	Total (MT)	1060000
19	NHAI	400000
	Grand Total (MT)	1460000

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 2021 - 2022.

Presently there are five Construction and Demolition Waste (C & D) Processing Facilities 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 M/s Indo Enviro Integrated Solutions Limited. Plant was in operation till Feb, 2022. Plant is to be revamped & New Plant & Machinery is to be installed)	2000
2	C & D Waste Processing Facility at Shastri Park (Being operated by M/s Indo Enviro Integrated Solutions Limited)	1000
3	C & D Waste Processing Facility at DMRC Site Ranikhera (Being operated by M/s Indo Enviro Integrated Solutions Limited)	150
4.	C & D Waste Processing Facility at Bakkarwala Village (Being operated by M/s Rise Eleven Delhi Waste Management Co.)	1000
5.	C & D Waste Processing Facility at Pocket I-2, Industrial Area Rohini, Phase V at Ranikhera (Being operated by M/s Indo Enviro Integrated Solutions Limited)	1000
	Total	5150

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 Indo Enviro Integrated Solutions Limited at Jahangirpuri in 34,000 Sq.m. Plot area. Plant was in operation till Feb, 2022. Plant is to be revamped & New Plant & Machinery is to be installed. Construction and Demolition Waste received and processed/recycled at this facility in the Year 2021-2022 is given in the following Table:

S. No.	Description	Quantum (Year 2021-22)
A	C&D Waste received	451858 MT
B	Products of Processed / Recycled C&D Waste	
1	Non- Structural Concrete aggregate	9323MT
2	Manufactured Sand	16452 MT
3	Ready Mix Concrete (RMC)	Nil
4	Paving Block	1462885 Nos
5	Granular Sub-Base (GSB)	37747 MT

- The C&D Waste received in the facility were first weighed through Weigh Bridge with computerized system installed near the Gate where trucks enter and after that inspection of the incoming material was done. Records of incoming C&D Waste and various products (Concrete Aggregates, Soil, Concrete Blocks, Tiles, GSB and cement bricks etc.) were being maintained.

- Machinery installed in the facility were 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 was having Dry and Wet Processing sections. Big Concrete Blocks were 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 was sent to Grizzly Set (Filters 200 mm size) and passed material was sent to Impact Crusher for size reduction to 60 mm. Thereafter this material was 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 was used to produce sand of 3mm to 75 micrometer size and Silt + Clay of size less than 75 micrometer. Filter press was being used for dewatering of the soil extracted from the C & D Waste. Recoverables from Grizzly Set were 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 was being sold to the Recyclers / Scrap Dealers. Whole Bricks received from segregation of C&D Waste kept separately for internal use. The rejects in form of RDF sent to Waste to Energy Plant at Ghazipur.
- The Facility was also having a Batching Plant however it was non-operational due to less demand of Ready Mix Concrete (RMC).
- The facility uses 03 Truck-Hydraulic and 05 Dumper-placers for Transportation.
- There was casting section where Tiles, Kerb Stone , Paver Blocks, Brick Tiles , Cement Bricks (Size 400mm x 200mmx 100 mm) were 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 Indo Enviro Integrated Solutions Limited at Shastri Park in 2.5 Acres plot area. Consent to Establish and Consent to Operate were 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 2021-2022 is given in the following Table:

S. No.	Description	Quantum (Year 2021-22)
A	C&D Waste received	366997 MT
B	Products of Processed / Recycled C&D Waste	
1	Non- Structural Concrete aggregate	Nil
2.	Manufactured Sand	2098 MT
3.	Ready Mix Concrete	Nil
4.	Paving Blocks	Nil
5.	Granular Sub-Base (GSB)	33550 MT
6.	Soil	23690 MT
7.	Cement Bricks	464220 Nos

Only wet process is used for C&D Waste processing and the Plant is having 1000 TPD capacity. The source of water supply is treated water of Yamuna Vihar STP. Power connection with a sanction power load of 600 KW is available. One DG Set of 35 KVA capacity 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 Khera

This C & D Waste Processing Facility is of 150 TPD capacity and being operated by M/s Indo Enviro Integrated Solutions Limited at Rani Khera 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 2021-2022 is given in the following Table:

S. No.	Description	Quantum (Year 2021-22)
A	C&D Waste received	22823 MT
B	Products of Processed / Recycled C&D Waste	
1	Non- Structural Concrete aggregate	Nil
2	Manufactured Sand	3012 Tons
3.	Ready Mix Concrete	Nil
4	Paving Blocks	5683 Sq. m.
5	Granular Sub-Base (GSB)	Nil
6	Aggregate	5994 Tons

Only wet process is used for C&D Waste processing and have the capacity of 150 TPD. Weigh 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 Village

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 2021-2022 is given in the following Table:

S. No.	Description	Quantum (Year 2021-22)
1	C&D Waste generated / received	259643 MT
2	Total quantity of construction and demolition waste processed/ recycled	249017
3.	Non- Structural Concrete aggregate	46296 MT
4.	Manufactured Sand	24929 MT
5.	Ready Mix Concrete	7721 MT
6.	Paving Blocks	6494 MT
7.	Granular Sub-Base (GSB)	Nil
8.	Other, if any, please specify	173454 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.

5. C & D Waste Processing Facility at Ranikhera

This C & D Waste Processing Facility is of 1000 TPD capacity and being operated by M/s Indo Enviro Integrated Solutions Limited at Pocket I-2, Industrial Area Rohini, Phase V at Ranikhera in 24200 Sq.mt. plot area. The unit has Consent to operate with validity upto 06.10.2026. Construction and Demolition Waste received and processed at this facility in the Year 2021-2022 is given in the following Table:

S. No.	Description	Quantum (Year 2021-22)
1.	Total quantity of construction and demolition waste processed/ recycled	22885 MT
2.	Non- Structural Concrete aggregate	Nil
3.	Manufactured Sand	400 Tons
4.	Ready Mix Concrete	Nil
5.	Paving Blocks	Nil
6.	Granular Sub-Base (GSB)	960 Tons
7.	Other, if any, please specify	Nil

Both Dry and Wet processes are used for C&D Waste processing and have the capacity of 1000 TPD. The unit has two types of machineries: In Dry Machinery: Grizzly, Vibrating Screen, H.S.I, Jaw Crusher, Conveyor Belt are installed. In wet Machinery: Prograde screen, Evowash, Thickener, 02 Water tanks (Capacity 5000 each) are installed. Power connection is provided by double power phase supply from Tata Power DDL. 16 Trucks , 01 Dumper-placers, 03 Backhoe are used for Transportation.