

OFFICE OF THE DIRECTOR (LOCAL BODIES)  
GOVERNMENT OF NCT OF DELHI  
9<sup>TH</sup> LEVEL, C-WING, DELHI SACHIVALAYA  
I.P. ESTATE, NEW DELHI-110002

219/C

P. Wallis/4090  
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use of recycled  
DD(M)/2

मुख्य अभियन्ता

आवृत्ति सं.

दिनांक

मुख्य अभियन्ता

निदेशक (कार्य एवं स्था.)

Dated: 09/02/2018

2052

15/2/2018

DD(M)

ADVISORY

Sub: Use of Recycled Products from Construction and Demolition (C&D) Waste.

उप सहायता अधिकारी

निदेशक (कार्य/स्वा./अनु./ज.सू.अ.सि.)

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- (i) C&D Waste Management Rules, 2016 have already been notified on 29.03.2016 by Ministry of Environment, Forest and Climate Change, Government of India wherein it is clearly mentioned that all C&D Waste generated should be transported only to the C&D Waste Recycling Plants. All the Government Departments must devise mechanisms to monitor and ensure that the C&D waste reaches the recycling plants only.
- (ii) Bureau of India Standards (BIS) has issued a third revision on 'Coarse and Fine Aggregate for Concrete — Specification No IS 383:2016' wherein table 1 recommends the extent of utilization of recycled concrete aggregate and recycled aggregate in plain concrete, reinforced concrete & lean concrete. The same has also been duly notified by CPWD. All Government agencies/Departments of GNCTD are required to incorporate a clause in their tender documents for use of recycled products.
- (iii) South DMC and North DMC have already issued a circular for mandatory usage of recycled aggregate/products in all development works. Public Works Department (PWD), Govt. of NCT of Delhi has also issued an advisory to all Delhi Government departments to incorporate a clause in their tenders that mandates 2% and 10% use of recycled C&D waste products in Building, and Road works respectively vide No.23(232)/E-in-C (Projects)/PWD/2015-16/170-190 dated 27/07/2015. All other Govt. departments are also to issue such advisory for use of C&D Waste recycled products.

SS(PWD)  
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16/2

All departments are to consider processing charges of C&D waste while working out analysis of rates and justification for award of contracts in order to make the transportation of C&D waste to the nearest recycling plants mandatory.

- (v) Availability of C&D recycled aggregates and products at various C&D Waste Recycling plants shall be circulated to the user departments by the concessionaires of C&D Recycling Plants on a monthly basis.
- (vi) MoHUA vide DO letter No. SB/SBM/29/2016 dated 23 March 2016 had circulated a notification by CPWD on mandatory use of recycled portions of C&D Waste in construction activities, if the same is available within 100 kms. of the construction site. The notification specified that coarse and fine varieties of Recycled Concrete Aggregate (RCA) derived from C&D Waste are to be used in Lean Concrete, Plain Concrete Cement (PCC) and Reinforced Concrete Cement (RCC) used in construction.
- (vii) In accordance with this, BIS had also revised the IS specification (IS 383) to IS 383:2016 and specified that for load bearing structures, up to a maximum of 25% of coarse and fine RCA can be mixed with PCC and up to 20 % of coarse and fine RCA can be mixed with RCC. For lighter, non-load bearing structures using lean concrete, the entire amount (100%) of coarse and fine aggregates of both RCA and Recycled Aggregate (RA) may be used.
- (viii) The Maximum Retail Price (MRP) of recycled products be issued by the concessionaire and the same may be negotiable (below MRP) depending upon quantum of material to be used by the contractors. The rate should in no case be higher than the open market rates.
- (ix) In all the big redevelopment projects of the Government costing Rs 500 Cr or above, C&D waste should not be allowed to be taken out to any other recycling/dumping ground. Instead, it should be mandatory to install C&D waste processing plant at the site itself and the recycled products should be used in the project itself as far as possible.
- (x) More small capacity C&D Waste Recycling plants i.e. of 500 MT should be installed at different locations in the city. For this, at least one C&D Waste Recycling Plant must be installed by each major stakeholder of the Government to manage their C&D waste.

North DMC has made available seven dumping locations where C&D Waste from individual houses could be dumped without any charge which subsequently shall be got processed at C&D Recycling Plant by the concerned Urban Local Bodies. More such dumping sites may be notified and proper advertisement for dumping places be given in local dailies for the knowledge of the public at large. This may reduce the unauthorized dumping of malba at various places in the city.

**Pawan Chopra**  
**Dy. Director (Local Bodies)**

Copy to:

1. Pr. Secretary (PWD), GNCT of Delhi, Delhi Secretariat, New Delhi.
2. Secretary, Irrigation and Flood Control Department, GNCT of Delhi, Kashmere Gate, Delhi.
3. Chairman, New Delhi Municipal Council, Palika Kendra, New Delhi.
4. Commissioner, North DMC, Minto Road, New Delhi.
5. Commissioner, South DMC, Minto Road, New Delhi.
6. Commissioner, East DMC, Patparganj Indl. Area, Delhi.
7. Chief Executive Officer, Delhi Cantonment Board, Sadar Bazar, Delhi.
8. Chief Executive Officer, Delhi Jal Board, Delhi.
9. Chairman, National Highways Authority of India, G 5&6, Sector - 10 Dwarka, New Delhi.
10. Managing Director, DSIIDC, Bombay Life Building, Connaught Place, New Delhi.
11. Director General, CPWD, Nirman Bhawan, New Delhi.
12. Engineer-in-Chief, PWD, MSO Building, IP Estate, New Delhi.
13. Engineer-in-Chief, DDA, Vikas Sadan, INA, New Delhi.
14. Chief Engineer, RC/W, DMRC, Barakamba Road, Connaught Place, New Delhi.
15. Chairman, Delhi Tourism and Transportation Development Corporation Ltd., DDA SCO Complex, Defence Colony, New Delhi.

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**Dy. Director (Local Bodies)**