

F.No.JS/Works/OM/2016
Government of India
Ministry of Urban Development

Maulana Azad Road,
Nirman Bhawan,
New Delhi

Dated: 30/05/2016

OFFICE MEMORANDUM

Sub: Adoption of New & Emerging Technologies in construction work of value not less than Rs.100 crores in Metropolitan cities, undertaken by CPWD, DDA and NBCC – reg.

The subject of using Modern Technologies in the construction works of CPWD, DDA and NBCC under the Ministry of Urban Development has been under consideration of the Ministry. CPWD has recommended to MOUD, adoption of the following three Technologies, which are validated by Building Materials and Technology Promotion Council (BMPTC) under the Ministry of Housing and Urban Poverty Alleviation:

1. Monolithic Concrete Construction System using Aluminium Formwork.
 2. Industrialized 3-S System using Cellular Light Weight Concrete Slabs & Precast Columns (Precast/ prefab)
 3. Monolithic Concrete Construction System using Plastic - Aluminium Formwork.
2. CPWD has recommended that the adoption of the above 3 new technologies will result in the following benefits: -
- (a) Significant reduction in air & noise pollution and construction waste
 - (b) Optimum use of water
 - (c) No use of timber/ plywood for shuttering
 - (d) Form finish elements, good workmanship, assured quality and durable construction
 - (e) Increased labour productivity due to working in controlled environment
 - (f) All weather site execution

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CNDI, HPL,
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- (g) Cost saving due to compressed completion time and rental cost reduction
- (h) Better site organization, utilization of resources

3. CPWD has stated that adoption of the above mentioned 3 technologies will ensure neat and tidy work place with minimal environmental pollution and will be in sync with the objectives of 'Swatch Bharat Mission'. Further, adoption of these technologies will result in skill up-gradation of workers.

4. Accordingly, the Ministry of Urban Development has decided that CPWD, DDA and NBCC would mandatorily adopt the 3 Technologies enumerated in para 1 above and validated by BMPTC at their construction sites initially in the Metropolitan Cities of India, and where the value of works is Rs.100 crores or more. It has also been decided that these organizations (CPWD, DDA and NBCC) will also invariably obtain Third Party Certification related to Green Building Concept from agencies recognized by MoEF, apart from installing rooftop solar power plants, wastewater recycling and rainwater harvesting in all such projects.

5. This issues with the approval of Hon'ble Minister for Urban Development.


30/5/16
(B. Anand)

Joint Secretary (W&H)

To

1. Vice Chairman, DDA, Vikas Sadan, INA, New Delhi- 110 023.
2. Director General, CPWD, Nirman Bhawan, New Delhi – 110 011.
3. CMD, NBCC Limited, NBCC Bhawan, Lodhi Road, New Delhi – 110 003.

Copy for information to :

1. PS to Hon'ble UDM, PS to Hon'ble MoS, PPS to Secretary(UD), PPS to AS(UD) & PPS to AS(SC).
2. All Joint Secretaries/Economic Adviser/OSD(UT)/JS&FA in M/o UD.
3. All Director/D.S. in M/o UD.
4. Office Memorandum file – US(W-3).
5. IT Cell for uploading in e-office.

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