



भारत सरकार
केंद्रीय लोक निर्माण विभाग
तकनीकी अनुप्रयोग एवं मानक ईकाई
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F. No. 133/SE(TAS)/DSR/2019/

115-18

Date: 12/03/2019

OFFICE MEMORANDUM

Subject : Adoption of New & Emerging Technologies in construction works undertaken by CPWD -Regarding.

In continuation of Ministry of Housing and Urban Affairs O.M. JS/Works/OM/2016 dated 30.05.2016, O.M. No 28012/7/2016-W-3 dated 28.12.2016 and O.M. No 28012/7/2016-W-3 dated 20.03.2018, eight (8) technologies were decided to be adopted in construction works.

Since then 8(eight) more New & Emerging Technologies have been approved by DG, CPWD and now in all total sixteen (16) New & Emerging Technologies are being as given here under for adoption in CPWD works for the benefit of all users.

S. No.	New and Emerging Technologies	Item no. and reference of OMs issued
1.	Monolithic concrete construction system using Aluminum formwork.	26.48 (already available since DSR-2016)
2.	Monolithic concrete construction system using Plastic - Aluminum formwork.	26.48 (already available since DSR-2016)
3.	Expanded Polystyrene Core Panel System	26.66 (OM No. DG/DSR/27 dated 13.08.2018), 26.67 (OM No. DG/DSR/31 dated 19.11.2018)
4.	Light Gauge Steel Framed Structures (LGSFS)	26.41 to 26.43 (already available since DSR-2016)
5.	Industrialized 3-S system using RCC Precast with or without shear wall, columns, Beams & Cellular Light Weight Concrete slabs/ semi precast solid slab.	26.73 to 26.80 (OM No. DG/DSR/18 dated 20.07.2017)
6.	Speed Floor System	26.62 to 26.64 (OM No. DG/DSR/26 dated 13.08.2018)
7.	Glass Fibre Reinforced Gypsum (GFRG) Panel Building System	26.51 to 26.61 (OM No. DG/DSR/25 dated 13.08.2018)
8.	Factory Made Fast Track Modular Building System	26.65 & 26.66 (OM No. DG/DSR/27 dated 13.08.2018)
9.	Non Asbestos fibre Reinforced aerated sandwich wall/ roof/ floor light weight solid core panel.	26.50 (OM No. DG/DSR/23 dated 02.01.2018)
10.	EPS cement sandwich wall/roof/floor light weight solid core panel.	26.46 , 26.47 (already available since DSR-2016) , 26.49 (OM No. DG/DSR/20 dated 10.11.2018) & 26.67 (OM No. DG/DSR/31 dated 19.11.2018)
11.	Use of Self Compacting Concrete	5.49 (already available since DSR-2016)
12.	Confined Masonry in Building construction	6.3, 6.4, 6.13 & 7.8 (already available since DSR-2016)
13.	C&D Recycled Waste Products in constructions and C&D Recycled Waste Block Masonry.	26.68 to 26.72 (OM No. DG/DSR/29 dated 02.11.2018)

14.	AAC Block masonry.	6.38 & 6.47 (already available since DSR-2016)
15.	Fly ash Brick masonry.	6.32, 6.34, 6.36, 6.37 & 6.45 (already available since DSR-2016)
16.	Reinforced Soil Technology using Technical Textiles.	26.18.1 to 26.18.15 (already available since DSR-2016) 26.12 to 26.17 (already available since DSR-2016)

As decided earlier in case it is not found feasible to implement these provisions in particular project, specific permission should be accorded by DG, CPWD on case to case basis with detailed justification.

This issues with approval of DG, CPWD.


Superintending Engineer (TAS)

Copy to: (Through CPWD web site)

1. PS to Hon'ble Minister HUA
2. Sr. PPS to Secretary (HUA)
3. PS to all ASs/JSs in MoHUA.
4. PPS to DG, CPWD, Nirman Bhawan, New Delhi
5. All the SDGs, all the ADGs, All the CEs CPWD, All the SEs & EEs CPWD/ E-in-C (PWD) GNCTD


Superintending Engineer (TAS)