

CENTRAL PUBLIC WORKS DEPARTMENT

OFFICE MEMORANDAM

DG/DSR/011

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN NEW DELHI

DATED 17/08/2016

OFFICE MEMORANDAM

Subject: Adoption of New & Emerging Technologies in projects/ Works of value not less than 100 crores in Metropolitan Cities.

MoUD vide No. JSA/works/OM/2016 dated 30th May, 2016 has issued an office memorandum for use of following three technologies in CPWD works:-

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.

Adopting the above technologies, a Turnkey project item with scope and payment schedule is here by added to DSR 2016. The rates of the items are according to the scope of work as mentioned in annexure and are indicative only; the NIT approving authority may modify and add or delete these rates as per the work/project requirements/conditions/scope.

Construction shall be done on turnkey basis by adopting monolithic concrete construction system using customized aluminium/plastic aluminium form, or industrialized system using partly / fully precast slabs, beams and columns (Precast / prefab) with cast in situ joints for the superstructure and cast in situ methodology for foundation.

Payment shall be made stage wise; a payment schedule is provided as guideline. Payment schedule is indicative, NIT approving authority shall further breakup the payment stages but above percentage limits must not be exceeded for any particular stage.

The industrialized 3-S system using Cellular Light Weight Concrete Slabs & Precast Columns (Precast/Prefab) is restricted up to seismic Zone IV only.

The technology is new and idea of turnkey project/work based on these technologies is not experienced by the CPWD hence experience/suggestions/inputs are also invited for future refinements.

This issued with the approval of DG, CPWD.

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(Kunwar Chandresh)
Executive Engineer
CSQ, CPWD, Nirman Bhawan, New Delhi!

17.08.16
13.08.16

Dated: 17.08.2016

No.133/SE(TAS)/CS-DSR-2016/2016-17/ 198-E
Copy to: All the SDG/ADG/CES/CPMs through CPWD website <http://cpwd.gov.in>

Executive Engineer
CSQ, CPWD, Nirman Bhawan, New Delhi!

S.No.	Item	Unit	Rate in Rs.
1	TURKEY PROJECTS (Item)		
	Construction of multi-storeyed RCC residential buildings six storeys and above including planning and designing by incorporating stipulated specifications, internal and external services (E&M and Civil), external development, horticulture works on design built and handover basis adopting monolithic concrete construction system using customised aluminium/plastic aluminium form, or industrialised system using partly/fully precast slabs, beams and columns (Precast/prefab) with cast in situ joints for the superstructure as detailed in the Annexure all complete		
	1.1 Foundation work upto plinth level (without basement) (Complete in all respect as detailed in Annexure).	Per sqm of plinth area of ground floor	
	1.1.1 Isolated footing		4620
	1.1.2 Raft foundation		10110
	1.1.3 Pile foundation		14610
	NOTE: NIT approving authority will pick up any one type of the foundations. Rates of raft foundation not to be included in single basement.		

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