

Northern Railway

Headquarters Office,
Baroda House,
New Delhi.

No. 10/ W/O/Policy/Building

Date: 09/03/2016.

Chief Engineer's Circular No. 627

Sub: Encouraging use of factory made elements in Buildings and in other works.

It is observed that works are generally planned and executed in the field by cast in situ method. All related preparatory works are done at site, which at many times, is generally a heavily crowded place e.g. station premises or Yard. Under these circumstances, quality control is inherently difficult to maintain. In addition to this, works activities distract Railway users and create an unsafe environment.

Use of factory made elements reduce disadvantages associated with cast-in-situ components. It has good finish; better quality; high versatility, sustainability, strength and durability and lower lifetime costs. Construction time is also substantially reduced. Cement concrete drain covers, precast shallow cement concrete drains, platform coping, jointed precast concrete pavement at level crossings, engineered earth retaining panels, precast manhole, reinforced concrete pipe, precast cement concrete fence and planters are few examples of such materials.

In view of the above, the following instructions are issued:

1. All works should be executed using factory made elements, if available.
2. Dispensation in this regard, on case to case basis, may be given by Sr. DEN/Co-ordination in the division and concerned Chief Engineer (C) in the construction organisation, duly recording reasons for such dispensation.

The above should be implemented in all new constructions and major repair & maintenance works, with immediate effect.

This has the approval of Principal Chief Engineer.


09/3/16
(M.P. Singh)

Chief Engineer/P&D