

Northern Railway

Headquarters Office,
Baroda House,
New Delhi.

No.-10/W/0/Policy/Building

Date: /10/2016.

Chief Engineer's Circular No. 617/R-1

(This supersedes C.E.'s circular no. 617)

Sub: Standardization of type of finish for floors/walls/columns in service buildings, stations, staff quarters, workshops & hospitals, etc.

1. During various inspections on this railway, it has been observed that selection of type of finish for floors and walls/columns for various buildings/locations is not commensurate with various manual provisions/instructions/guide lines/circulars issued by various authorities from time to time. Use of granites/marbles/vitrified tiles etc. (which are of superior type and costly) is being done indiscriminately. Factors like initial cost, appearance, cleanliness, durability, maintenance cost, etc. should be given due consideration while making selection of type of finish for floor and walls/columns. This circular aims to consolidate the various provisions given in Indian Railway Works Manual, instructions issued by Rly. Board/RDSO etc. and to issue guidelines for areas which have not been covered yet.

2. Provisions/instructions contained in manuals and issued by Rly. Board & RDSO:

Details of various manual provisions/instructions. on the subject (copies enclosed), are as follows:

- (i) Para 208 of Indian Railway Works Manual- 2000 pertaining to type of flooring to be adopted for Hospitals and Dispensaries, Quarters and Staff canteens.
- (ii) Standards of construction of flooring in Goods Sheds and approach roads for developing Freight Terminals (Railway Board's letter No. 2007/PL/25/1 dated. 5.6.2007).
- (iii) Annexure 9.5 to chapter 9 (Flooring, Paving and Dado) of Indian Railway Unified Standard Specifications (Works & Materials 2010) in connection with floorings recommended for houses/Flats and offices.
- (iv) Details of flooring/walling/ceiling for various area in station premises (RDSO letter no. WKS/WS/05/FS dated 22.09.2009)

- (v) Details of roofing materials for various areas in station building and workshop flooring. (RDSO letter no.WKS/WS/05/FS dated 03.10.2012)
- (vi) Standardization of specification of flooring, roofing material for Platform covering in station premises & standardization of specification of workshop flooring. (RDSO letter no. WKS/WS/05/FS dated 16.01.2013).
- (vii) Rly. Board's letter no. 2013/LMB/10/15 dated 11.12.2013 giving details of flooring to be adopted in Rly.Quarters.

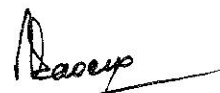
These provision /instructions may be religiously followed.

3. Instructions exist for providing tiles, granite, etc. on vertical surfaces (walls/columns). Care should be taken while selecting type of material and the extent of area to be covered. The sectional Sr. DEN/DEN or concerned Dy. Chief Engineer (construction) shall use their wisdom and prudence in this regard. Some of the factors that may help in decision making could be quantum of public interface, requirement of cleanliness, aesthetic requirement, importance of building/location, maintainability, etc.
4. The present era of ever growing demand for improved aesthetic look of railway structures in general and railway stations in particular necessitate provision of better type of finishing on flooring. Hence forth flooring surfaces under covered shed on platform & waiting hall where passenger footfall is high, may be provided with Kota stone or Granite slab on all A-1 category stations and important A category stations. VDC/cc flooring should not be provided at such locations.
5. Option of different textures/smoothness of various granite slabs are available for use under various requirements. In a close area like waiting room/hall mirror polished granite slab may be used on floors whereas premises which are subjected to through passing like concourse, Platforms, Staircase and FOB rough textured granite slab shall be used on floors. Examples of rough textured granite may be flamed, honed, pre polished, etc.
6. While implementing Unified Standard Schedule of Rates 2010 and Unified Standard Specifications on Northern Railway, vide letter No. 770-W/O/NR-SOR-2010 dated 26.05.2011, it was advised that operation/use of certain items shall require special procedure to be followed. This shall continue, till modification/with drawl of instructions.
7. There may be occasions when the type of finish for floor/wall/column to be adopted at various locations is at variance from the instructions/guidelines

enumerated in various circulars/letters, due to some reasons. In such cases, divisions may forward the case to Head Quarter, with the recommendation of Divisional Railway Manager, for the approval of Pr. Chief Engineer, before execution of the work. Similar action may be taken by respective Dy. Chief Engineer (construction) and the work executed after approval of CAO/C.

8. The above standard shall be followed for all new works/major renovation works. The existing flooring and wall/column finish, of whatever type, should not be disturbed/replaced if condition is good.
9. This supersedes all previous circulars/instructions issued on the above subject by this office.
10. This has approval of Principal Chief Engineer.

Encl: same as circulated with C.E. circular NO. 617
dated 25.02.2014.



(Pankaj Saxena)
Chief Engineer/P&D