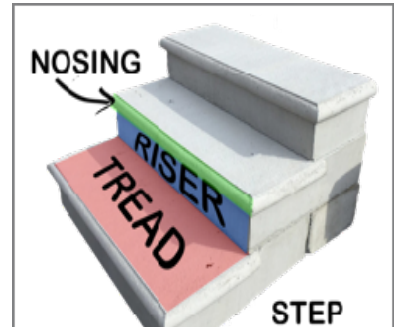


## General (NBC B-6.3.1)

All steps should be equal height and without any variation of width. Step size should be a minimum **1500 mm** wide x **300 mm** deep tread. The height of a step should be a maximum of **150 mm**.

The surface should be non-slip. The front edge strip should be in high contrast to the step itself. The strip should be **40-50 mm** with contrast of **30% LRV**.

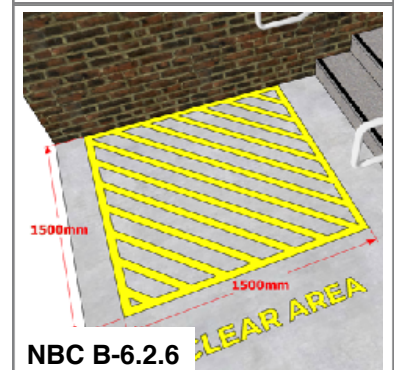
The material should be a uniform colour and non-slip. A maximum of **12 steps** are allowed in a single flight. If there are more than 12 steps then the 13th step should be a resting landing (or any other interval less than 12).



NBC B-6.3.1

## Resting Landing and Clear Areas (NBC B-6.3.1.e & NBC B-6.2.6)

If a flight of stairs has a rise of more than **12 x 150 mm** steps then it must have an intermediate landing preferably with an even number of steps above and below the landing. The resting landing should be at least **1500 mm** long. All stairs should have a clear area at the top and bottom of **1500 mm**.



NBC B-6.2.6

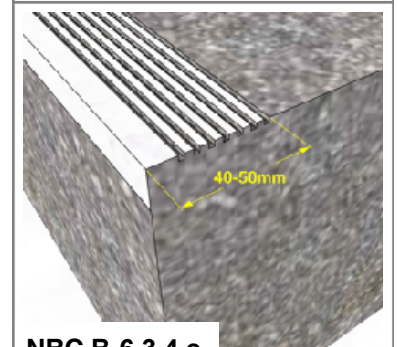
## Handrails (NBC B-2.2.4)

All stepped level changes must be accompanied by handrails. All buildings having stepped level changes around them, such as raised plinths, must have handrails next to the entrances, ATMs, and other features like seating areas etc.

## Handrail Dimensions (NBC B-5.5.2)

The handrails should be on **both** side of the steps at two heights. The **lower 650 - 750 mm** and **upper 850 - 950 mm** in height. Handrail thickness should be **35 - 45 mm** in diameter and circular in shape.

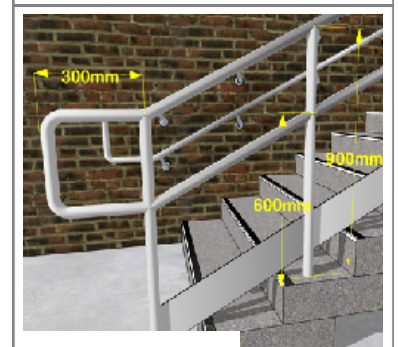
If the steps are more than **3000 mm** wide then there should be more handrails at an interval of not greater than **2000 mm**. If a handrail is attached to a wall there should be a clearance gap of a minimum of **50 mm** between the wall the handrail.



NBC B-6.3.4.e

## Handrail Extensions (NBC B-5.5.2.2.e)

The extension of the handrails should be **300 mm** at both ends beyond the first step and last step.



NBC B-5.5.2.2.e

## Material & Colour

Handrails should be smooth throughout the length without any sharp edges and preferably round or oval in cross-section. They should be in contrast to the background colours by at least **LRV 30%**.

## Tactile Ground Surface Indicators (NBC B-6.3.2)

"Warning", dotted TGSi tiles, should be at distance of **300 mm** from the top and bottom of steps.



NBC B-6.3.2

## Prohibited Types - Turning Step and Spiral Stair (NBC B-6.3.1.h)

These are not allowed and neither is any other type of uneven depth/height step.

## Open Steps (NBC B-6.3.1 d)

Are dangerous and not allowed in any part of any public building.

Establishment Name Building Name		Address			
Sn	Description	Required	Y/N	Actual	Notes
01. 07. 01	Flights of steps are not more than maximum	Not more than <b>12 steps</b> in any one flight.			
01. 07. 02	Handrails on both sides?	Both sides of steps require handrails.			
01. 07. 03	Handrails at two heights	Lower <b>650-750 mm</b> Upper <b>850-950 mm</b>			
01. 07. 04	Handrails have extensions on both ends.	<b>300 mm</b> extension on each handrail.			
01. 07. 05	Staircase width is compliant	Staircase width is minimum <b>1500 mm</b>			
01. 07. 06	Step Colour	Uniform colour, unpolished and not reflective.			
01. 07. 07	Step Surface	Non-glossy, mat and non-slip surface.			
01. 07. 08	Front edge strip of all steps.	<b>40 - 50 mm</b> <b>30% LRV</b>			
01. 07. 09	Non-slip front edge of step.	<b>40 - 50 mm</b> minimum non slip traction strip			
01. 07. 10	Step run (depth from front to back)	Minimum <b>300 mm</b>			
01. 07. 11	Step rise (height)	Maximum <b>150 mm</b>			
01. 07. 12	TGSI provided at either end	<b>300 mm</b> before top and bottom of flight.			
01. 07. 13	Step is closed	No open Step.			
01. 07. 14	Step is even depth on both sides	No triangular or kite shaped steps			
01. 07. 15	Stairway is straight without curves or turning	No curved or spiral stairways.			
01. 07. 16	Other				