



No. 6018 /BDA, Bhubaneswar,  
PLANNING (R&L) – 23/2020

Dated: 06.03.2020

## **ORDER**

### **PROVISION OF BARRIER FREE ACCESS FOR THE PHYSICALLY CHALLENGED /DIFFERENTLY ABLED PERSON, ELDERLY AND CHILDREN IN BUILDINGS USED BY THE PUBLIC;**

The regulation 45 of BDA (Planning & Building Standards) Regulations, 2018 prescribes mandatory provisions for universal and barrier free access for persons with disabilities in all buildings used by the public such as educational, institutional, assembly, commercial, business, mercantile buildings and housing projects constructed on plots having an area of more than 2000 square meters.

It is noticed that many of the buildings of aforesaid category are not complying with the mandatory barrier-free provisions. Therefore, the developers/owners of aforementioned building types are hereby directed to incorporate following barrier free provisions in their respective buildings as per the specifications given at Annexure-I of this order, within 3 months of issue of the order.

BDA shall take strict action under ODA Act, 1982, in case of non-compliance of this order. This order shall come into force with immediate effect.

#### **BARRIER-FREE PROVISIONS:**

- a. Access path from plot entry and surface parking to accessible entrance of building,
- b. Accessible entrance,
- c. ramp to the accessible entrance and entrance landing,
- d. Reserved parking for differently abled near accessible entrance,
- e. Stairways
- f. Lifts (wheelchair accessible) – where lifts are required to be provided
- g. Toilets and W.C.
- h. Signage for identification of facility for the differently abled persons

**VICE-CHAIRMAN  
BDA, BHUBANESWAR**

## ANNEXURE-1: PROVISIONS FOR BARRIER FREE ACCESS

1	<b>Access path from plot entry and surface parking to building entry::</b>	
	a. Minimum width of access path/walkway:	1.8 meter ( $\cong$ 6 ft.)
	b. Slope of access path, if any:	Gradient not greater than 5%
	c. Other requirements:	Guiding floor material (tactile paving) for visually impaired persons.  Non-slippery surface traversable by a wheel chair.
2	<b>Accessible Entrance:</b>	
	<b>a. Accessible entrance:</b> At least one entrance accessible to the persons with disabilities with proper signage. This entrance should be accessible by non-slip ramp together with stepped approach.	
	<b>b. Specification of Entrance/Exit door</b>	
	Minimum clear opening of entrance/exit door:	900 mm ( $\cong$ 3 ft.)
	minimum dimension of Entrance landing adjacent to ramp:	1.8 m. $\times$ 2.0 m. ( $\cong$ 6 ft. $\times$ 6 ft. - 7 inch)
	<b>c. Specification of ramp to the accessible entrance:</b>	
	Minimum width of ramp –	1.8 meters ( $\cong$ 6 ft.)
	Maximum gradient of ramp:	1:12
	Maximum length of ramp:	9 meters ( $\cong$ 29 ft. – 6 inch)
	Height of handrail on both sides of ramp:	0.8 meter ( $\cong$ 2 ft.-7½ inch)
	Minimum gap of handrail from adjacent wall:	50 mm. ( $\cong$ 2 inch)
3	<b>Parking -</b>	
	a. Surface parking for 2 cars near accessible entrance for physically handicapped persons with appropriate signage showing 'Reserved for handicapped parking'.	
	b. Location: within maximum travel distance of 30 meter from the accessible entrance.	
	c. Size of parking bay: 5.0 meter $\times$ 3.6 meters	

4	<b>Stairways:</b> The stairways near to the accessible entrance shall comply to the following specifications.	
	Minimum width of stairway:	1.35 meter ( $\cong$ 4 ft. – 6 inch)
	Height of riser	150 mm
	width of tread	300 mm
	Handrails:	shall be provided on both sides:
5	<b>Lifts:</b> Where lifts are required, provision of at least one wheelchair accessible lift shall be provided with following minimum specifications	
	Clear internal depth:	1.1 meter ( $\cong$ 3 ft. - 7½ inch)
	Clear internal width:	2.0 meter ( $\cong$ 6 ft. - 7 inch)
	Entrance door width:	900 mm. ( $\cong$ 3 ft.)
	inside measurement of lift lobby	1.80 m. x 1.80 m. ( $\cong$ 6 ft. x 6 ft.)
6	<b>Toilet:</b> One special Water Closet in a set of toilets shall be provided for the use of handicapped with essential provision of washbasin near the entrance for the handicapped.	
	minimum size	1.5 m. x 1.75 m. ( $\cong$ 5 ft. x 5 ft.-9 inch)
	Minimum clear opening of the door	900 mm ( $\cong$ 3 ft.)
	Height of Water Closet seat:	500 mm from the floor ( $\cong$ 1 ft.- 8 inch)
7	<b>Signage:</b>	
	<ul style="list-style-type: none"> <li>• The symbols/information shall be in contrasting colour and properly illuminated because people with limited vision may be able to differentiate amongst primary colours.</li> <li>• International Symbol Mark for wheel chair be installed in a lift, toilet, staircase, parking areas that have been provided for the differently abled.</li> <li>• Signs shall be designed and installed so that they are easily legible by using suitable letter size (not less than 20 mm letter height).</li> </ul>	