



**NIPMAN
FOUNDATION**

HEALTH, DIGNITY & HAPPINESS

CHILD CARE INSTITUTIONS (MULTIPLE SITES)

SOUTH DELHI

(ANNEXURE NO. 1)

on

12.07.2018



**NIPMAN
FOUNDATION**

For

W.P.(C) 11711/2015

As per the

Order dated 15.05.2018 by the Hon'ble Delhi High Court

NIPMAN FOUNDATION

Access Audit Team

Nipun Malhotra – CEO

Richa Mehta – Project Manager

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Color Indicators:

COLOUR	INPUTS
Orange	OBSERVATIONS
Green	APPROVED AND ACCEPTABLE
Blue	RECOMMENDATIONS
Black	TARGET AUDIENCE

PREFACE

I would like to start by profusely thanking the Hon'ble Acting Chief Justice, Delhi High Court, Ms. Gita Mittal for giving us the opportunity to audit the Child Care Institutions' and check its accessibility for visitors, persons and children with Disabilities.

This audit would not have been possible without the support and guidance of my mother, Priyanka Malhotra, and our team that includes Richa Mehta, Sakshi Ahlawat, Himanshi Sharma, Sumit Kumar and Shankar Bhandari.

As per the Hon'ble High Court, order dated 15.05.2018, Nipman Foundation team carried out an access audit of Child Welfare Committee in the month of July & August.

The report that follows includes our recommendations to facilitate accessibility, as defined under the Harmonized Guidelines and Space Standards for Barrier Free Environment for Persons with Disability and Elderly Persons, 2016. During the audit, it was observed that most of the institute was inaccessible.

Signage is required in the childcare institute along with the facility of a wheelchair. This signage can be installed as per the guidelines provided in Annexure A. Further, no **fire alarm systems** and appropriate drinking facilities were available in the institutes. The Fire alarm system should be available along with firefighting equipment. Further, we'd recommend an evacuation plan, regular training/ fire drills, along with a designated assembly area and clearly displayed contact information of nearby fire department and police station. There were plenty of protruding items too – for which we'd recommend reposition of furniture (as also mentioned in the recommendations below). Further, none of the institutes had accessible washrooms, thus, one accessible washroom is recommended universally for all institutes (Refer to Annexure C). Construction of ramp/ levelling of areas is advised where necessary.

Also, Village Cottage Home II could not be audited since it was under renovation at the time of audit.

Thank you.

Nipun Malhotra
CEO
Nipman Foundation



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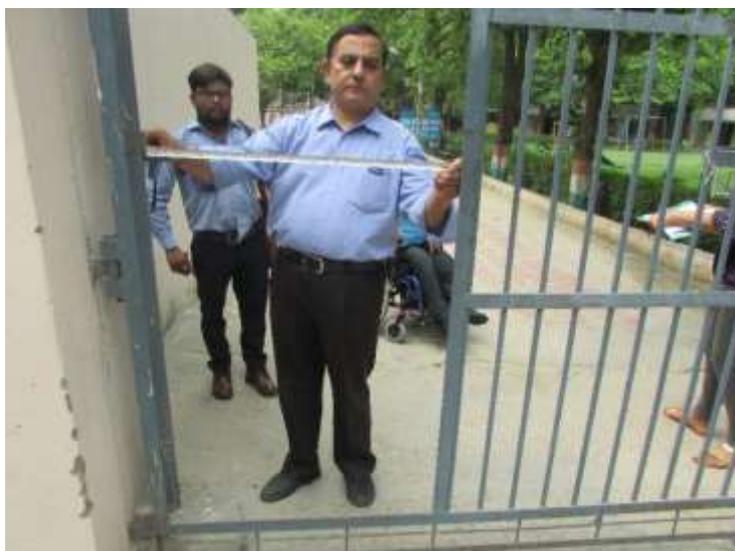
CCI's in SOUTH DELHI (ANNEXURE NO. 1)

1. Village Cottage Home I and III

1.1 Entrance

OBSERVATIONS:

- Uneven surface
- Small door with width of 28" and a height of 10"





RECOMMENDATIONS:

- Levelling of the entire compound required
- Lowering of iron gate

WHO WILL BENEFIT: Wheelchair users, persons with visual and physical impairment

1.2 Registration Window

OBSERVATIONS:

- Registration window at a height of 37" and width of 24.5"
- Table with a height of 33"
- Absence of knee space under the table





RECOMMENDATIONS:

- Levelling of surface required
- Construction of a ramp required with a gradient of 1:12 with warning strips
- Provision of a table with knee space of at least 26.7"

WHO WILL BENEFIT: All visitors

1.3 Superintendent's Office, Welfare Office Compound

Entrance

OBSERVATIONS:

- Uneven Surface at the entrance
- Presence of a step of height 7.5"





RECOMMENDATIONS: Construct a ramp in the hallway next to the welfare office room from the rear entry with a gradient of 1:12 and warning strips

WHO WILL BENEFIT: Wheelchair users

1.4 Superintendent's Office

OBSERVATIONS: The table has little knee space of 7.5"



RECOMMENDATIONS: Provide standard sized table

WHO WILL BENEFIT: All visitors

1.5 Welfare Office

OBSERVATIONS: Presence of table with appropriate height and knee space

WHO WILL BENEFIT: Everyone



1.6 Hallway next to the Welfare Office

OBSERVATIONS:

- Presence of a cooler and MCB board boxes - protruding items
- Presence of a step with a height of 4.8" - towards the washrooms



RECOMMENDATIONS:

- Construction of a ramp with a gradient of 1:12
- Provide warning strips for protruding items

WHO WILL BENEFIT: All visitors

1.7 Washroom

OBSERVATIONS:

- Presence of two steps of total 17"
- Absence of grab bars
- Wash basin at an appropriate height of 35.5"
- Presence of rotating taps at the washbasin





RECOMMENDATIONS: Construction of an accessible washroom as per the guidelines given in Annexure C

WHO WILL BENEFIT: Wheelchair users, persons with visual impairment and physical impairment

1.8 Medical Room, Counselling/Staff Room Compound

1.8.1 Entrance into the compound

OBSERVATIONS: Uneven surface at the entrance and presence of trees in the compound – protruding items





RECOMMENDATIONS:

- Levelling of the surface at the entrance
- Provide warning strips around trees in the compound

WHO WILL BENEFIT: Persons with disabilities

1.9 Medical Room and Staff/Counselling Room

OBSERVATIONS:

- Presence of a step with a height of 8"
- Absence of a signage for the room
- Presence of accessible table
- Presence of manoeuvring space





RECOMMENDATIONS:

- Provide appropriate signage
- Construction of a ramp with a gradient of 1:12 and warning strips

WHO WILL BENEFIT: All visitors

2. Home Compound

2.1 Entrance to the Compound

OBSERVATIONS: Presence of a step at a height of 6"



RECOMMENDATIONS: Construction of a ramp with a gradient of 1:12 with warning strips

WHO WILL BENEFIT: All visitors

2.2 Kuti No. 15 - Entrance

OBSERVATIONS:

- Presence of a step a 3" step at the entry of the compound
- Entry to the Kuti room with the door width of 29"
- Level change upon entering of 1"



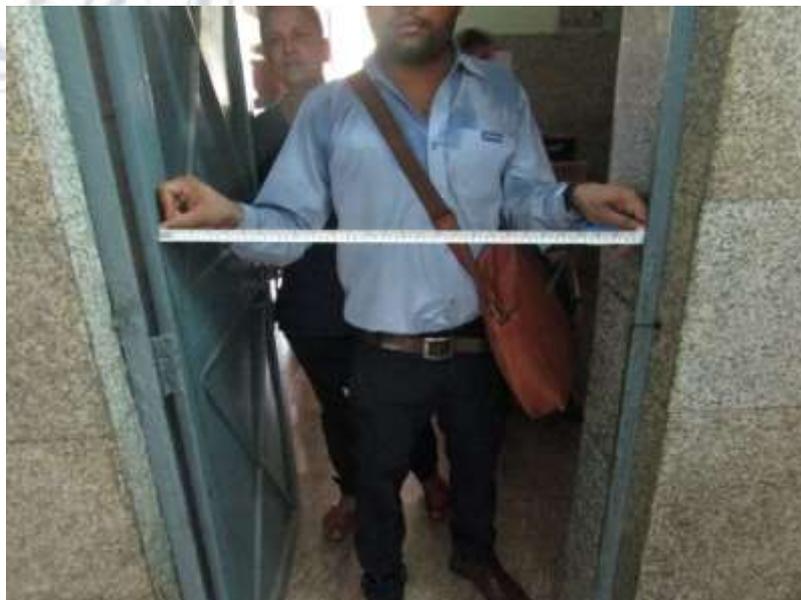
**RECOMMENDATIONS:**

- Construction of a ramp with a gradient of 1:12 and warning strips
- Provision of wider doors with width of at least 30"

WHO WILL BENEFIT: All visitors.

2.2.1 Second Room**OBSERVATIONS:**

- Presence of door with a width of 27.5"
- Presence of a step of height 4.3" and a pipe upon exiting the room towards the activity room





RECOMMENDATIONS:

- Provision of wider doors with width of at least 30"
- Construction of ramp with a gradient of 1:12 – covering the pipeline

WHO WILL BENEFIT: Wheelchair users and visual impairment

2.2.2 Activity Room

OBSERVATIONS:

- Presence of a step upon entry, with one side 5.5" high, and the other side 3" high
- Table at a height of 27.3"
- **Appropriate availability of knee space under the table**





RECOMMENDATIONS: Construction of ramp with a gradient of 1:12 with warning strips

WHO WILL BENEFIT: Wheelchair users

2.2.3 Washing and Toilet Compound

2.2.3.1 Washing Area

OBSERVATIONS:

- Passageway of 30" between in front of wash basins
- Wash basins at a height of 27.3" with no knee space



RECOMMENDATIONS: Construction of disabled-friendly toilets as per the guidelines in Annexure C

WHO WILL BENEFIT: All visitors

2.2.3.2 Toilets

OBSERVATIONS:

- Presence of a step of 6" and a grill outside one toilet
- Presence of two steps, of total 28" outside of the other toilet
- Presence of an Indian toilet
- Absence of grab bars





RECOMMENDATIONS: Construction of disability-friendly toilets as per Annexure C

WHO WILL BENEFIT: Children with disabilities

2.2.4 Outside Activity Space

OBSERVATIONS: Presence of a step of 5"



RECOMMENDATIONS: Construction of a ramp with a gradient of 1:12 with warning strips

WHO WILL BENEFIT: Wheelchair users and people with visual impairment

2.3 Kuti No. 17 - Entrance

OBSERVATIONS:

- Presence of a step of 5"
- Door of a width of 32.5"
- Presence of a step of 5" while stepping into the room
- Second door at the back with a width of 29.5"



**RECOMMENDATIONS:**

- Construction of ramp with a gradient of 1:12 with warning strips
- Second door to be with a minimum width of 36"

WHO WILL BENEFIT: Wheelchair users

2.3.1 Activity Room

OBSERVATIONS:

- Presence of a step at a height of 6"
- Door with a width of 31"
- Table at a height of 27.3"
- Appropriate availability of knee space under the table



RECOMMENDATIONS:

- Construction of ramp with a gradient of 1:12 and warning strips
- Replacement table with a standard sized table with knee space

WHO WILL BENEFIT: Wheelchair users

2.3.2 Washing and Toilet Area

OBSERVATIONS:

- Wash basin at a height of 31"
- Absence of knee space under wash basins
- Presence of two steps of total height of 15" leading into the washroom
- Absence of grab bars





RECOMMENDATIONS: Construction of disabled-friendly washrooms as per Annexure C
WHO WILL BENEFIT: Persons with disabilities

2.4 Kuti No. 18 - Entrance

OBSERVATIONS:

- Presence of a step at a height of 6"
- Presence of a step leading into the room of a height of 3.5"
- Door of a width of 32.5"
- Second door at the back with a width of 31"



RECOMMENDATIONS: Construction of ramps with a gradient of 1:12 and warning strips

WHO WILL BENEFIT: All visitors

2.4.1 Kitchen

OBSERVATIONS: Presence of a step at a height of 6"



RECOMMENDATIONS: Levelling of surface required

WHO WILL BENEFIT: Wheelchair users

2.4.2 Washing and Toilet Area

OBSERVATIONS:

- Presence of a step of 6" leading into the toilet
- Washbasin with a height of 27" with no knee space
- Passageway outside washrooms with a width of 44.5"





RECOMMENDATIONS: Construction of disabled-friendly toilets as per Annexure C in the open area at the back of the washing area (depicted below)

WHO WILL BENEFIT: Wheelchair users

2.4.3 Activity Room

OBSERVATIONS:

- Presence of a step of 5" leading inside the room
- Presence of a door of a width of 32"



RECOMMENDATIONS: Construction of a ramp with a gradient of 1:12 with warning strips

WHO WILL BENEFIT: Wheelchair users and visually impaired

2.4.4 Passageway outside Activity Room

OBSERVATIONS:

- Presence of a washing machine – obstructing passageway
- Presence of an open pipe or protruding item
- Presence of a Fire extinguisher - protruding item



RECOMMENDATIONS: Reposition of furniture (washing machine, fire extinguisher) to prevent obstruction

WHO WILL BENEFIT: Wheelchair users and persons with visual impairment

2.5 Kuti No. 19 and Kuti No. 20 Complex - Entrance

OBSERVATIONS: Presence of a step of 2 steps of a total height of 8"



****Kuti 19 and 20 were under renovation – could not be audited****

RECOMMENDATIONS: Construction of a ramp with a gradient of 1:12 and warning strips

WHO WILL BENEFIT: Wheelchair users

3. Ujjawal Children Home for Boys-I and Uday Children Home for Boys-II

3.1 Welfare Officer's Office

OBSERVATIONS:

- Presence of a wheelchair-accessible passageway to the office
- Presence of tables with appropriate height and knee space

WHO WILL BENEFIT: Children with disabilities



3.2 Common Area/TV Room

OBSERVATIONS:

- Presence of a steep slope leading into the passageway
- Registration table at a height of 30" with appropriate knee space



RECOMMENDATIONS: Construction of a ramp with a gradient of 1:12 with warning strips

WHO WILL BENEFIT: All visitors

3.3 Subhash Kuti

OBSERVATIONS:

- Presence of beds with a height of 22" (with mattress) and 18" (without mattress)
- Inaccessible switch boards



RECOMMENDATIONS: Switch boards to be shifted to a height of 23.6" – 43.3"

WHO WILL BENEFIT: Persons with disabilities

3.4 Library

OBSERVATIONS:

- Presence of a step of 12"
- Presence of a door of a width of 32"
- Presence of a cooler – obstructing passageway
- Presence of tables with appropriate height and knee space



**RECOMMENDATIONS:**

- Reposition of the cooler
- Construction of a ramp with a gradient of 1:12

WHO WILL BENEFIT: Persons with disability

3.5 Superintendent's Office**OBSERVATIONS:**

- Presence of an accessible table with appropriate height and knee space
- Presence of manoeuvring space

WHO WILL BENEFIT: Everyone



3.6 Recreational Area

OBSERVATIONS: Presence of level change of 1.5"



RECOMMENDATIONS: Levelling of the area required

WHO WILL BENEFIT: Wheelchair users

3.7 Gaming Computers

OBSERVATIONS:

- Gaming computers installed at a height of 34"
- Absence of knee space

WHO WILL BENEFIT: Wheelchair users



3.8 Drinking Water Cooler

OBSERVATIONS:

- Water cooler taps at a height of 35.5"
- Presence of knee space
- Glass trays at an appropriate height

WHO WILL BENEFIT: Children with disabilities





3.9 Passageway to Medical Room Compound

OBSERVATIONS:

- Presence of two steps of a total height of 10.5”
- Presence of a ramp leading to the compound



RECOMMENDATIONS: Construction of ramp required with a gradient of 1:12 in place of the steps

WHO WILL BENEFIT: Persons with disabilities

3.10 Medical Room Compound

3.10.1 Medical Room

OBSERVATIONS: Presence of three steps of a total height of 22"



RECOMMENDATIONS: Construction of ramp required with a gradient of 1:12 and warning strips
WHO WILL BENEFIT: Persons with disabilities

3.10.2 Washing Area

OBSERVATIONS: Taps at the height of 33"



RECOMMENDATIONS: Construction of ramp required with a gradient of 1:12 and warning strips

WHO WILL BENEFIT: Persons with disabilities

3.11 Entrance to the Dining Room Complex

OBSERVATIONS: Presence of a step of a height of 4"



RECOMMENDATIONS: Construction of ramp required with a gradient of 1:12 and warning strips

WHO WILL BENEFIT: Persons with disabilities

3.11.1 Dining Room

OBSERVATIONS:

- Presence of a step of a height of 2"
- Presence of a door of width of 29"
- Presence of table facility of standard height of 30" and appropriate knee space



RECOMMENDATIONS:

- Construction of ramp required with a gradient of 1:12 and warning strips
- Width of the door to be increased to at least 36"

WHO WILL BENEFIT: Persons with disabilities

3.12 Computer Lab**OBSERVATIONS:**

- Presence of a step of a height of 1"
- Presence of table facility of standard height of 30"
- Absence of knee space





RECOMMENDATIONS:

- Levelling of the step required
- Tables with knee space of at least 26.7" required

WHO WILL BENEFIT: Persons with disabilities

3.13 Entrance to the basketball court

OBSERVATIONS: Presence of a step of a height of 3"



RECOMMENDATIONS: Construction of ramp required with a gradient of 1:12 with warning strips

WHO WILL BENEFIT: Persons with disabilities

3.14 Bal Bhawan Kendra and Mental Health Unit

OBSERVATIONS: Presence of two step of a total height of 14.5"



RECOMMENDATIONS: Construction of ramp required with a gradient of 1:12 and warning strips

WHO WILL BENEFIT: Persons with disabilities

3.15 Toilets

OBSERVATIONS:

- Presence of a step of a height of 6.5" at the entrance
- Presence of an Indian commode
- Presence of a door to the toilet of a width of 22"
- Presence of a step at the urinal of a height of 5"
- Absence of grab bars





RECOMMENDATIONS: Construction of an accessible washroom (Refer to Annexure C)

WHO WILL BENEFIT: Persons with disabilities

3.16 Playground

OBSERVATIONS: Presence of a step of a height of 2.5" at the entry to the playground



RECOMMENDATIONS: Construction of a ramp with the gradient of 1:12 with warning strips

WHO WILL BENEFIT: Persons with disabilities

4. After Care House

OBSERVATIONS:

- Presence of two step – one of the height of 3.5" and 6.8"
- Absence of manoeuvring space
- Presence of beds of the height 18" (without mattress) and 22" (with mattress)





RECOMMENDATIONS: Construction of a ramp with the gradient of 1:12 with warning strips
WHO WILL BENEFIT: Persons with disabilities

Annexure A

Standard Signage

1. Signage includes direction signs and information signs, signs naming area and locality, street names and maps etc.
2. All signs should be visible, clear (easy to see and understand), concise (simple, short and to the point) and consistent (signs meaning the same thing should always appear in the same manner), non-shiny and properly lit at night. Information should be supplemented with pictogram which benefits everyone, including those with hearing impairments.
3. Signs should be in a large, easy to read font with good colour contrast – for example, a sans serif black font on a white background. Clear signs at drop-off zones and parking areas will help direct people to specific areas across the event site. Signs should indicate the accessibility features located along the path of travel and event areas. Signs at different heights can also help assist people moving through crowds, and help them see when they are at specific locations.
4. **EXTERNAL:** Should be mounted 2000mm (78.7”) above the floor level, to be easily distinguishable from 2-3 meters (6.6’-9.8’) distance. The smallest letter type should not be less than 15mm (0.6”).
5. **INTERNAL:** Should be mounted on the wall, between 1400mm (55.1”) and 1700mm (66.9”) from the floor level.
6. The individual characters between 15mm- 50mm (0.6”- 2”) tall, raised by 1-1.5mm (0.04”-0.06”), bold & colour contrasted with their background and also in Braille.
7. Accessible Plates and facilities should be clearly identified by the International Symbol of Accessibility.



Annexure B

Footpath Recommendations

1. Must be easy to follow, obstruction free for the convenience of all users
2. Surface should be smooth and levelled, continuous, firm, non-slippery and even.
3. Height of the footpath should not be more than 150mm (5.9") from the road level.
4. Consistency in heights and continuity of footpaths should be maintained.
5. Every change in level on the footpath (a step, curbs or road works) should be more clearly visible through the use of bright contrasting colours.
6. Width of the footpath should not be less than 1800mm (70.9") and minimum clear unobstructed path should be 1200mm (47.2").
7. Street furniture/stalls/benches should be placed outside the path of travel, preferably along a continuous line and should be easy to detect.
8. Resting places should be provided along routes.
9. Protruding elements should be avoided.
10. Bollards should be 1000mm (39.4") high, painted in contrasting colour strips with clear minimum gap of 1200mm (47.2").
11. The entire walking footpath should preferably have tactile tiles.



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Annexure C

Standard PwD bathroom recommendations

1. The washbasin should be of dimensions 520mm (20.5") and 410mm (16.1"), so mounted that the top edge is between 700mm- 800mm (27.6" - 31.5") from the floor. It should have a knee space of at least 760mm (29.9") wide by 200mm (7.9") deep, by 650mm- 680mm (25.6"-26.8") high.
2. Lever type handles for taps are recommended.
3. Mirror's bottom edge to be 100mm (39.4") from the floor and the mirror maybe inclined at an angle.
 - a. An alarm switch or pull cord which activates an emergency audio alarm (at the reception/attendants desk) should be provided at 900mm (35.4") and 300mm (11.8") above floor finish, close to the side wall near the WC and 750mm (29.5") away from the rear wall.
4. **All toilets must have pictograms (male in triangle and female in circle), marked on plates along with Braille & raised alphabets, put on wall next to door at 1400mm-1700mm (55.1"-66.9").**
5. A distinct audio sound (beeper/clapper) may be installed above the entrance door for identification of toilets.
6. At least one of the urinals should have grab bars, installed on each side and in the front to support ambulant persons with disabilities (for example bi-lateral crutch users).
7. The front bar is to provide chest support, the side bars are for the user to hold while standing. Urinals shall be stall- type or wall hung, with an elongated rim at a height maximum of 430mm (16.9") above the finish floor.
8. A clear floor space 900mm (35.4") by 1200mm (47.2") should be provided in front of urinals to allow forward approach.
9. Urinal shield (that do not extend beyond the front edge of the urinal rim) may be provided with 735mm (28.9") clearance between them.
10. A minimum of one toilet compartment should have enough floor space for wheelchair users to enter and exit.
11. Minimum clear floor space of 200mm x 1750mm (78.7" x 68.9") is required and ideally it should be 2200mm x 2000mm (86.6" x 78.7").
12. Provide a door of clear opening of at least 900mm (35.4") with door swing outwards or to be a folding or sliding door.
13. Should have slip resistant flooring.
14. Door should have a horizontal pullbar at least 600mm (23.6") long inside and 140mm (5.5") long on the outside, at height of 700mm (27.6").
15. An unobstructed space 900mm (35.4") wide should be provided from the edge of the Water Closet to the washbasin/ wall, to facilitate side transfer together with a clear space of 1200mm (47.2") in front of the Water Closet.
16. Water Closet centreline to be located between 460mm (18.1") to 480mm (18.9") from the adjacent wall.
17. The top of the Water Closet to be 450mm (17.7") to 480mm (18.9") from the floor.
18. Should have a back support.
19. Grab bars should be provided. On the transfer side U- shape movable type and on the wall side L shaped grab bar is preferred.
20. Toilet partitions can be re arranged to increase manoeuvring space for PwD's.

21. The toilet seat must also be raised to enhance accessibility of the toilet.
22. A full length mirror can be installed in the bathroom.
23. The paper towel and soap dispenser along and the hand dryer should be re positioned according to the needs of PwD's.



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Annexure D

Standard Parking Recommendations

1. Parking should be within 30 meters (98.4') of the main entrance of the building.
2. Two accessible parking lots with overall minimum dimension 3600mm x 5000mm (141.7" x 196.9") should be provided.
3. It should have the international symbol of accessibility painted on the ground and also on the signpost/ board.
4. There need to be directional signs guiding people to the accessible parking space.
5. Wheel stoppers to be provided, to avoid vehicles to occupy space on the pedestrian pathway.

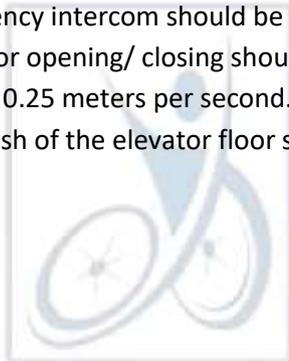


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Annexure E

Standard Lift Recommendations

1. There should be an accessible path leading to the elevator.
2. There should be a clear door opening width of 39.3" or more.
3. The internal dimensions of the elevator should be a minimum of 59"x59" or having 13 persons capacity.
4. The height of the call button (outside the lift) should be between 31.4" – 39.3" from the floor level.
5. There should be an audio and video system installed in the elevator indicating arrival at a floor.
6. Presence of braille/ raised numbers on the control panel are required.
7. The elevator should have handrails on all three sides.
8. The handrails should be mounted at a height of 31.4" – 39.3" from the floor.
9. The door of the elevator should be easily identifiable.
10. Emergency intercom should be provided inside the elevator.
11. Tactile or braille instructions for communication should be made available.
12. Emergency intercom should be usable without voice communication also.
13. The door opening/ closing should be more than 5 seconds and the closing speed should not exceed 0.25 meters per second.
14. The finish of the elevator floor should be skid-resistant.



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Annexure F

Standard Evacuation- Emergency Plan

1. Note that individuals with unobservable disabilities may or may not self-identify before an emergency. These individuals may need additional help during emergency situations. These may include: a learning disability, a psychological disability, chronic back problems, asthma, arthritis, cardiac conditions.
2. Identify and train guards and staff so at least a trained person is always present for assistance.
3. The area safety coordinator should prearrange appropriate evacuation procedures and routes with individuals having disabilities.
Identify a spot for assembling all PwD's to carry out evacuation. However, it is important to verify that individuals using any kind of assistive device are capable of successfully leaving the area, unassisted, via emergency routes.
4. Another method of evacuation is the 'Evacuation Chair' which can be purchased to help evacuate disabled individuals in case of an emergency.
A stretcher or wheelchairs can also be used in such a situation.
5. Audible fire alarms to be supplemented by flashing lights to alert persons with hearing impairment.
Clear, well illuminated signage indicating escape routes is essential.



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Annexure G

Ramp Guidelines

1. The ramp should have a gentle slope of 1:12
2. The ramp should have a landing of every 750mm (29.5") of vertical rise.
3. The ramp should have a width of 1200mm (47.2") or more.
4. Handrails to be on both sides and at two levels – 760mm (29.9") and 900mm (35.4"). Both ends to be rounded or grouted and extend 300mm (11.8") beyond top and bottom of the ramp.
5. The surfaces of the ramp and landing should be slip resistant.
6. A ramp should be accompanied by a flight of easy going steps.
7. Warning strip should be placed at 300mm (11.8") before and after the ramp edges.



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