

Action Plan
for
Implementation of Action Points
identified for
Ministry of Urban Development
for
the Empowerment of Persons with Disabilities



Government of India.

Government of India
Ministry of Urban Development
Nirman Bhawan, New Delhi.

Action Plan for implementation of Action points identified for Ministry of Urban Development for the empowerment of persons with disabilities

I. Background

Ministry of Urban Development has been identified as Nodal Ministry for implementation of Barrier Free Built Environment. As per the PWD Act, appropriate Governments and the local authorities shall, within the limits to their economic capacity and development, provide for Installation of auditory signals at red lights in the public roads for the benefit of persons with visual handicap; curb cuts and slopes to be made in pavements for the easy access of wheel chair users; engraving on the surface of the zebra crossing for the blind or for persons with low vision; devising appropriate symbols of disability; warning signals at appropriate places; ramps in public buildings; adaptation of toilets for wheel chair users; Braille symbols and auditory signals in elevators or lifts; ramps in hospitals, primary health centres and other medical care and rehabilitation institutions. Creation of barrier free built environment in towns and cities is responsibility of the State Governments. Urban Local Bodies, Development Authorities and other state departments and parastatal agencies are responsible for creating barrier free built environment in towns and cities. Ministry of Urban Development being the Nodal Ministry, plays an advisory and catalytic role in promotion of barrier free built environment. Accordingly, Ministry of Urban Development formulated Guidelines and Space Standards for Barrier Free Environment for Disabled and Elderly Persons – 1998. The Guidelines were circulated to all the State Governments and other agencies concerned for reference and guidance. Model building bye-laws to provide facilities for disabled persons giving specifications for various elements of the building have also been formulated and circulated to State Governments for adoption (**Annexure-A**).

II. Pan of Action (2009-11), Ministry of Urban Development

1. Amendment of Building Bye-Laws

Amendment of Building Bye-Laws is the most important step towards creation of barrier free built environment. The progress made towards amendment of Bye-laws so far is indicated at (**Annexure-B**). All other States shall be requested to complete the process of amendment within a period of 2 years.

2. Harmonization of Guidelines for Barrier Free Environment

At present the following guidelines for barrier free environment prepared by following agencies are being referred:

- Bureau of Indian Standards, 1987 – revised 2005
- Ministry of Urban Development (CPWD) Guidelines, 1998
- Office of the Chief Commissioner for Persons with Disabilities – 2001

There is a need to have common Guidelines indicating the minimum requirement phase wise.

In this regard Office of Chief Commissioner for Persons with Disabilities (CCD) has constituted a Committee under the Chairmanship of Dy. Commissioner O/o CCD comprising Members from IIT - Roorkee, NGOs dealing with the subject, CPWD and other concerned agencies. The harmonized guidelines will be prepared by the Committee during 2009-10.

3. Access Audit

Access audit for various public buildings and urban spaces frequently visited by the public is required to be undertaken to promote barrier free built environment. Ministry of Urban Development proposes to conduct access audit of Government of India buildings located in Delhi.

For this purpose, Ministry has invited Expression of Interest for empanement of agencies for carrying out access audit for the Government / Public buildings located at New Delhi from the registered agencies / civil society organizations / NGOs. Access audit will include identifying the barriers in terms of external and internal built environment of the buildings such as approach, main gates, parking, building entrance, public dealing areas, corridors & general circulation area, signage, lifts, staircase, ramp, toilets, drinking water facilities, canteens, conference & meeting rooms, exits & emergency evacuation facility, lighting, warning system & safe refuge and any other specific area on the ground floor as well as on the upper floors. The Expressions of Interest have already been received and the agencies are being short listed. The technical and financial bids for access audit will be invited during the month of April / May 2009 and the work on access audit will start in the month of June, 2009. Initially 50 buildings located in Delhi are proposed to be taken up. However, number of buildings may be increased depending upon the progress of work and requirement. Once, these buildings are audited the report will be discussed in the meeting in the Ministry and implementation will start through CPWD and other concerned agencies.

4. Provision of Barrier free environment in Central Government buildings.

Instructions have been issued to CPWD to provide barrier free environment in all the Central Government buildings. The detailed Action Plan of CPWD for providing barrier free environment in Central Government buildings in Delhi within 2009-2010 is given at **Annexure-C**. Attempts shall be made to provide barrier free environment in all major Government buildings outside Delhi also within next 3 years.

5. Awareness Generation and Capacity Building

The awareness level about the necessity of barrier free access needs to be raised. The awareness generation & capacity building shall be integrated with JNNURM and other programs of MoUD. However, in order to have wide ranging discussions and deliberation exclusively on various aspects of barrier free built environment and to work out the road map, Ministry of Urban Development proposes to organize to National level workshops. The workshops will have participation from the Central Ministries, State Secretaries, other central agencies like CPWD, NBCC, HUDCO, TCPO, BIS, Chief Commissioner Disability, School of Planning and Architecture, Institute of Engineers, Council of Architecture, Indian Institute of Architects, Institute of Town Planners, India, members from the Civil Society Organizations, and all other concerned with the barrier free built environment. Once access audit reports are available for 8 - 10 buildings, a workshop will be organized in the month of August / September, 2009 to workout the future programme and implementation strategy for creating barrier free built environment in government / public buildings in Delhi as well as in other metropolitan cities.

6. Monitoring and Review

The Ministry shall hold meetings with all concerned to review & monitor progress made towards creating barrier free access environment after every six months. Further, random audit of access shall also be carried out in consultations with the building owners. Such reviews shall also be integrated with existing mechanism for review of programmes like JNNURM.

**Action Plan of Ministry of Urban Development identified for the empowerment of persons with disabilities
(2009-10)**

Sl. No.	Activity	2009-10				Remarks
		Q1	Q2	Q3	Q4	
1	Amendment in Building Bye Laws in all States	States/UT will be pursued for amending the Building Bye-Laws	States/UT will be pursued for amending the Building Bye-Laws	States/UT will be pursued for amending the Building Bye-Laws	States/UT will be pursued for amending the Building Bye-Laws	MoUD will extensively pursue with 2 States/UTs in each Qtr and get their Building Bye-Laws amended.
2	Harmonization of Guidelines for Barrier free environment	A Committee will be formed for the purpose	Meetings of the Committee and consultations with concerned will be held		Unified Guidelines will be prepared and issued	
3	Access Audit of the Buildings	Bids will be invited for the Audit and work will be awarded	Access audit will be carried out in 10-12 buildings	Access audit will be carried out in 10-12 buildings	Access audit will be carried out in 8-10 buildings	Access audit of 5-8 buildings.
4	Provision of Barrier free environment in Central	Central Government Building in Delhi, which are maintained by CPWD will be provided with Barrier free environment.				
5	Awareness Generation & Capacity Building	A sensitization workshop will be organized to generate awareness		A workshop will be organized to workout strategies after Access audit of 8-10 buildings		
6	Monitoring and Review	Review meetings, integrated with reviews of existing programmes like JNNURM	Review meetings, integrated with reviews of existing programmes like JNNURM	Review meetings, integrated with reviews of existing programmes like JNNURM		In addition to review meetings, random access audit shall also be carried out.

(Contd.....)

**Action Plan of Ministry of Urban Development identified for the empowerment of persons with disabilities
(2010-11)**

Sl. No.	Activity	2010-11				Remarks
		Q1	Q2	Q3	Q4	
1	Amendment in Building Bye Laws in all States	States/UT will be pursued for amending the Building Bye-Laws	States/UT will be pursued for amending the Building Bye-Laws			MoUD will extensively pursue with 2 States/UTs in each Qtr and get their Building Bye-Laws amended.
2	Guidelines for Barrier free environment					
3	Access Audit of the Buildings	Access audit will be carried out in 10-12 buildings	Access audit will be carried out in 10-12 buildings	Access audit will be carried out in 10-12 buildings	Access audit will be carried out in 8-10 buildings	Access audit of 5-8 buildings.
4	Provision of Barrier free environment in Central Government Building.	Attempts shall be made to provide Barrier free environments in Major Government Buildings outside Delhi				
5	Awareness Generation & Capacity Building	A workshop will be organized to enhance level of awareness			A workshop will be organized for capacity building	
6	Monitoring and Review	Meeting will be held to review the progress towards creating Barrier free environment		Meeting will be held to review the progress towards creating Barrier free environment		In addition to review meetings, random access audit shall also be carried out.

Annexure – A

Model Building Bye-Laws

Appendix "G"

(Bye laws: 6.8)

To Provide Facilitates in the Public Building excluding Domestic Buildings for Handicapped Persons

1. Definitions

- Ambulant Disabled People: Disabled who are able to walk but who may depend on prostheses (Artificial Limbs) orthoses (Calipers), Sticks, crutches or walking aids.
- Non-Ambulant Disabled People: Disabled people with impairments that confine them to wheelchair.
- Wheel Chair: Chair used by disabled people for mobility.
- (i) Size of small wheel chair: 750 x 1050 mm
 - (ii) Size of large wheel chair: 800 x 1500 mm

2. Scope

These bye-laws are applicable to public buildings and exclude domestic buildings. Building which shall provide access to ambulant disable and Non-Ambulant disabled are listed below. Distinction is made for buildings to be designed for the use of large wheel chairs and small wheel chair.

3. Building to be designed for Ambulant Disabled People

Higher Secondary School, Conference Hall, Dance Halls, Youth Centres, Youth Clubs, Sport Centres, Sport Pavilions, Boat Club Houses, Ice Rinks, Bowling Centres, Swimming Pools, Police Stations, Law Courts, Courts Houses, Sport Stadiums, Theaters, Concert Halls, Cinemas, Auditorias, Small Offices (the maximum plinth area 1400 sq.mt) Snack Bars, Cafes and banqueting rooms (for capacity above 50 din.ers).

Note:

- i) In sport stadiums provisions shall be made for non-ambulant spectators (small wheel chair)
- ii) (a) 1:1000 up to 10,000 spectators and (a) 1:2000 for spectators above 10,000.
- iii) In Theaters, Concert Halls, Cinemas and Auditoria provisions shall be made for non-ambulant spectators (Small Wheel Chairs) a) 1/250 up to 1000 spectators and 1/500 for spectators above 1000.

4. Building to be designed for Non-Ambulant Disabled People:

Schools for physically handicapped, cremation, buildings as mentioned in 3. Botanical Gardens, Religious Buildings, Old People Clubs, Village Halls, Day Centers, Junior Training Centres, Post Offices, Banks, Dispensaries, Railway Stations, Shops, Super Markets, and Departmental Stores.

Notes: Large wheel chair criteria shall be applicable on ground floors of the following building, post offices, banks, dispensaries, railway station, shops, supermarkets, and departmental stores.

5. **Building to be designed for Non-Ambulant People (using small wheel chairs)** Public lavatories in Tourist Sports, Clubs Motels, Professional and Scientific Institution, Museum, Art Galleries, Public Libraries, Laborites, Universities, Collage for further Education, Teachers Training Colleges, Technical College, Exhibition Halls Dentist Surgeries, Administrative Department of the Hospitals, Service Stations, Car Parking, Buildings Airports Terminals, Bus Terminals, Factories Employing Handicapped for Sedentary Works, Large Offices, (with plinth area abode 1400 sq.mt.), Tax Offices, Passport Offices, Pension Offices, and Labour Offices, Cafes, Banqueting Rooms and Snack Bars (For capacity above 100 dinners).

6. **Buildings Requirements:**

6.1 The following building requirements are to be provided for building mentioned above.

6.2 **Site Planning**

Access path form plot entry and surface parking to building entrance shall be minimum of 1800 mm wide having regular surface without any steps.

The parking of vehicles of disabled people two equivalent car spaces (ECS) shall be provided near entrance of 30 m from building entrance.

7. **Approach to Plinth Level**

Ramp shall be provided to enter the building, minimum width of ramp shall be 1800 mm with maximum gradient 1:12, length of ramp shall not exceed 9.0 m having 900 mm high hand rail on both sides extending 300 m on both sides of ramps. Minimum gap from the adjacent wall to the handrail shall be 50 mm.

Entrance landing shall be provided adjacent to ramp with the minimum dimension 1800 X 2000 mm.

Minimum Clear opening for the entrance door shall be 1000 mm.

Threshold shall not be raised more than 12 mm.

For stepped approach size of tread shall not be less than 275 mm and maximum riser shall be 150 mm.

8 **Stairways**

Height of the riser shall not be more than 150 mm and width of the tread not less than 275 mm, nosing if provided shall not extend beyond 25 mm. Maximum number of risers on a flight shall be limited to 12.

9. **Lifts**

Whenever lift is required as per bye-laws, provision of at-least one lift shall be made for

Non-Ambulant disabled (using small wheel chairs with the following minimum dimensions of lift).

Clear internal depth	1090 mm
Clear internal width	1750 mm
Entrance door width	910 mm

A handrail not less 600 mm long at 1000 mm above floor level shall be fixed adjacent to the control panel.

10. Toilets

10.1 One special W.C. in a set of toilet shall be provided for the use of disabled. No additional provision of W.C. is to be made for disabled.

Size of the W.C. shall depend on the category of disabled for whom it is has been provided.

All doors in W.Cs shall open outside.

The type of W.C. shall be European with seat height as 500 mm.

Handrails, where provided shall have min 25 mm dia.

10.2 Provision of W.Cs in buildings without lift:

Provision of special W.C. shall be made on all floors for buildings designed for ambulant disabled persons.

For buildings designed for non-ambulant disabled special W.C. shall be provided at Ground Floor. Size of W.C. shall depend on the type of wheel chair used by the disabled.

10.3 Provisions of W.Cs in buildings with lift:

Provision of Special W.C. shall be made on all floors. Size will depend on the category of disabled for whom it has been provided.

10.4 Toilet Details

10.4.1 For Toilets Designed for Ambulant Disabled

The minimum size of W.C. shall be 1075 x 1650 mm with a minimum depth of 1450 mm from entry door 900 mm. Long handrail on the side closer to W.C. with a clear width between the handrails shall be 900 mm and height of handrails shall be 800 mm from floor level.

Minimum size of the clear door opening shall be 780 mm.

10.4.2 For Toilets Designed for Non-Ambulant Disabled Small Wheel Chair

The minimum size of W.C. shall be 1350 x 1500 mm with a minimum depth of 1500 mm from entry door. 900 mm long handrail on the side closer to W.C. shall be provided. To provide movement space for wheel chair, W.C. seat shall be fixed towards one side to the opposite adjacent wall. The centerline of W.C. from the adjacent wall shall be 400 mm and minimum 950 mm from the other wall.

Minimum size of the clear door opening shall be 780 mm.

10.4.3 For Toilets Designed for Non-Ambulant Disabled Using Large Wheel Chair

The minimum size of W.C. shall be 1500 X 1750 with a minimum depth of 1750 mm for entry door. 900 mm long handrail on the side wall closer to W.C. shall be provided. To provided movement space for wheel chair, W.C. seat shall be fixed towards one side of the opposite wall. The centerline of the W.C. from the adjacent wall shall be 400 mm and a minimum of 1100 mm from the other wall. Min. size of clear door opening shall be 860 mm.

Annexure - B

**Status of amendment in Building Bye-Laws for
provision of facilities in Public Building for Disabled
Persons**

Annexure - B

Status of amendment in Building Bye-Laws for provision of facilities in Public Building for Disabled Persons

(a). States / UTs which have already amended their Building Bye Laws

West Bengal, Madhya Pradesh, Tripura, Andhra Pradesh, Maharashtra, Gujarat, Uttar Pradesh, Delhi, Daman & Diu, Karnataka, Kerala, Jharkhand and Dadra & Nagar Haveli

(b) States / UTs which are in the process of amending their Building Bye Laws

Mizoram, Chandigarh and Goa

Remaining States / UTs will be pursued to amend their Bye Laws during 2009-10 and every attempt shall be made to complete the work within two years.

Annexure – C

**Action Plan for providing barrier free environment in
Central Government Buildings in Delhi**

S.No.	Name of Building	No. of floors	Civil		Parking/Signage	Electrical (Lift)			Hand Rail	Floor Enunciation	Remark
			Access Ramp	Toilets		Availability of lifts	Brail Signage Lift controls	Accessibility of Control			
1	2	3	4	5	6	7	8	9	10	11	
NDZ-I											
1	Prime Minister Office at South Block, New Delhi	G+2	20.08.09	20.08.09	20.08.09	✓	30.09.09	✓	NF	Being heritage building the provision of Ramp has not yet been provided Architectural input will be required	
2	Hyderabad House at New Delhi	G+1	✓	✓	20.08.09	NF	30.05.09	30.05.2009		The Building is barrier free.	
3	Indira Gandhi Museum, New Delhi.	1	20.08.09	✓	20.08.09	NR	NR	NR	NR	Architectural in put will be required.	
4	Gandhi Smriti and Dharshan Smriti at 5, Tees January Marg.	G+1	30.05.09	NF	30.06.09	-	-	-		Architectural in put will be required.	
5	Lal Bahadur Shastri Memorial, 1 Moti Lal Nehru Place, New Delhi.	1	✓	30.09.09	30.06.09	NR	NR	NR	NR	Architectural in put will be required.	
6	Vayu Bhawan		NF	NF		✓	31.07.2009	✓	31.07.2009		
7	Nirman Bhawan	G+7	✓	30.04.09	30.09.09	✓	31.07.2009	✓	31.07.2009		
8	Krishi Bhawan	G+6	NF	31.10.09	30.06.09	NF	30.08.2009	NF	30.08.2009	Due to high plinth the facility cannot be provided	
9	Udyog Bhawan	G+6	NF	31.10.09	30.06.09	NF	14.08.2009	NF	14.08.2009	Due to high plinth the facility cannot be provided	
10	Shastri Bhawan	G+7	✓	✓	30.09.09	✓	15.09.2009	✓	15.09.2009		
11	National Museum	G+3	31.12.09	31.12.09	30.06.09	✓	31.07.2009	31.07.2009	31.07.2009	Hydranlic lifts is being proposed, feasibility being checked SE(E)	
12	National Archives of India Bldg.	G+1	NF	31.12.09	30.06.09	NF	20.08.2009	NF	20.08.2009		
13	National Archives of India Annexe	G+7	31.10.09	31.12.09	30.06.09	✓	20.08.2009	20.08.2009	20.08.2009		

- 15 -

NF- Not Feasible
NR- Not Required

S.No.	Name of Building	No. of floors	Civil		Electrical (Lift)				Remark	
			Access Ramp	Toilets	Parking/Signage	Availability of lifts	Brail Signage controls	Accessibility of Control		Hand Rail
1	2	3	4	5	6	7	8	9	10	11
14	Vigyan Bhawan	G+2	31.08.09	31.12.09	30.06.09	✓	15.07.2009	15.07.2009	15.07.2009	15.07.2009
15	Vigyan Bhawan, Annexe	G+2	✓	✓	30.06.09	✓	15.07.2009	15.07.2009	15.07.2009	Another Ramp from Main Gate, Under Progress.
NDZ-II										
16	Sena Bhawan	G+4, G+6, G+9	NF	30.06.09	NF	✓	31.12.09	✓	✓	
17	S.P.Bhawan	G+5	✓	✓	30.06.09	✓	✓	✓	✓	
18	Yojna Bhawan	G+5	✓	✓	30.06.09	✓	✓	✓	✓	
19	Nirvachan Sadan	G+6	✓	✓	30.06.09	✓	✓	✓	✓	
20	Shram Shakti Bhawan	G+6	✓	✓	30.06.09	✓	✓	✓	✓	
21	Transport Bhawan	G+5	✓	✓	30.06.09	✓	✓	✓	✓	
22	Janpath Bhawan	G+7,9	NF	NF	30.06.09	✓	30.09.2009	✓	✓	
23	Jaisalmer House	G+2	✓	✓	30.06.09	NF	-	✓	✓	
24	NGMA Jaipur House	G+2	NF	✓	30.06.09	NF	✓	✓	✓	
25	Patiala House	G+1	✓	✓	NF	✓	-	-	-	Users have not provided space
26	Rabindra Bhawan	G+3	✓	✓	✓	✓	30.09.2009	✓	✓	
27	UPSC Building	G+1, (old Bldg) G+4(new bldg)	✓	✓	30.06.09	✓	✓	✓	✓	

S.No.	Name of Building	No. of floors	Civil		Toilets	Parking/Sig nage	Electrical (Lift)				Remark	
			Access Ramp	Access Ramp			Availability of lifts	Brail Signage Lift controls	Accessibility of Control	Hand Rail		Floor Enu-nciation
1	2	3	4	5	6	7	8	9	10	11		
28	Supreme Court	G+2 (Main Building) G+3 (extn. Building)	✓	✓	✓	30.06.09	✓	30.09.09	30.09.09	✓	✓	
29	IP Bhawan	G+5	NF	✓	✓		✓		✓			
30	Drum Shaped Building	G+8	✓	✓	✓	30.06.09	✓		✓			
31	AGCR Building	G+4,	✓	✓	✓	30.06.09	✓		✓			
32	CAG Building	G+3	✓	NF	✓	30.06.09	✓		✓			
33	CR Building	G+3	✓	✓	✓	30.06.09	✓		✓			
34	Publication Divn. At Old Sectt.	G+3	✓	✓	✓	30.06.09						
NDZ-III												
35	Cabinet Sectt. Building at 5A, Lodhi Road., New Delhi		✓	✓	✓	30.06.09	✓					Building is under construction
36	CGO Complex, Lodhi Road, New Delhi		✓	30.06.09	30.06.09	30.06.09	✓					
37	NIC		✓	30.06.09	30.06.09	30.06.09	✓	.09.2009	.09.2009			
38	Block No. 1 to 4, CGO Complex		30.06.2009	30.06.09	30.06.09	30.06.09	✓	.09.2009	.09.2009			Estimate under Pr cess
39	Block No. 9 to 14 CGO Complex		✓	30.06.09	30.06.09	30.06.09	✓	.09.2009	.09.2009			
40	Service Centre P.V. Hostel, Lodhi Road		✓	30.06.09	30.06.09	30.06.09	✓	.09.2009	.09.2009			
41	West Block- 1 to 8		30.06.09	30.06.09	30.06.09	30.06.09	✓	.09.2009	.09.2009			

-17-

S.No.	Name of Building	No. of floors	Civil			Electrical (Lift)						Remark
			Access Ramp	Toilets	Parking/Signage	Availability of lifts	Brail Signage controls	Accessibility of Control	Hand Rail	Floor Elevation		
1	2	3	4	5	6	7	8	9	10	11		
42	Sewa Bhawan		30.06.09	30.06.09	30.06.09	✓	.09.2009					
43	Trikoot Building & East Block- 1 to 10		30.06.09	30.06.09	30.06.09	✓	.09.2009					
44	CVC Building					✓	30.06.2009	30.06.2009	✓			
NDZ-IV												
45	Office building for central excise Department at Gurgaon.	GF+3	✓	✓	15.01.09	✓	.09.2009	✓	15.04.2009		Building is under construction	
46	G.P.O.A. Pushpa Bhawan.	GF+3	✓	15.01.2010	31.12.09	NF		NF	NF		No lift provided since building is four storied only.	