“Successful Creation of an Accessible Environment is Possible only by Giving Attention to Detail”

MAIN CONSIDERATIONS:
1. Comprehensive Study and Graphical Summary of Key findings.
2. Stress on assessment of finer details of Site planning, Architectural design of building elements, Materials and Finishes.
3. Usability of Built Environment keeping in mind PwD’s as Visitors as well as Staff.

METHODOLOGY:
1. The audit consisted of Physical survey of the External and Internal Environment of the Building, recording Observations in the form of notes and checklists, Photographic documentation, Measurements of some building elements and a brief survey with the Nodal officer.
2. A group of 5-6 team members including atleast one architect and one PwD, headed by an Access Auditor, conducted this study.

TOOLS USED:

RECOMMENDATIONS ENLISTED AT THE END OF THIS REPORT WITH PRIORITY RATING
HIGHEST PRIORITY - Action to be implemented as soon as practicable;
MODERATE PRIORITY - Actions to be considered in the long term;
LOWEST PRIORITY – Recommended but optional

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Treasury office Coimbatore, is located in the premises of Collectors Office, Gopalapuram. The building of treasury office is scheduled to be demolished soon.

Audit Team: Ar. Kavita Murugkar, Abhijit Murugkar, Prajwal Kulkarni, Snehal Khatavkar, Rajvi Mehta, Shantanu Ladkat (PwVI)
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## EXECUTIVE AND GRAPHICAL SUMMARY

## FIELD SURVEY FINDINGS WITH PHOTOGRAPHIC EVIDENCE

### KEY ISSUES AND RECOMMENDATIONS

### A. EXTERNAL ENVIRONMENT

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### C. RECOMMENDATIONS RELATED TO INFORMATION AND COMMUNICATION

### D. RECOMMENDATIONS RELATED TO SERVICES

### E. ANNEXURE – AUDIT CHECKLIST
**EXECUTIVE & GRAPHICAL SUMMARY**

**PRESENT DEGREE OF ACCESSIBILITY**

- Poor

**MANDATORY RECOMMENDATIONS**

- Accessible Website
- Demarcated Accessible Parking bay
- Beeper and Kerb ramp at Entrance
- Tactile guiding path till entrance
- Entrance Ramp and Handrails
- Ramps at all entrance door openings
- Additions to existing Accessible toilet blocks
- Handrails to ramp leading to Accessible toilets
- Tactile guiding path in corridors
- Rounded corners to furniture
- Lever type door handles
- Removal of protruding door signage
- Directional Signage & Maps
- Multi-lingual and tactile Signage
- Emergency Evacuation provisions
A. EXTERNAL ENVIRONMENT
1. ACCESS ROUTE TO BUILDING ENTRANCE

KEY ISSUES
• No Accessible path for PWD’s
• No footpath provided
• Unguarded barriers such as electric poles on access route
• No tactile guidance
• No braille signage, beeper or audio signal
• Tactile and pictographic map not provided at entrance gate

RECOMMENDATIONS
• Provision of Accessible path for PWD’s
• Footpaths need to be provided to lead to the building on all access routes
• Directional, multilingual and tactile signage to accessible facilities inside the building to be provided at the entrance gate as per standards
• Provide tactile guidance in the proposed footpaths and at entrance gate
• Provide braille signage, beeper or audio signal at entrance gate
• Tactile pictographic map to be provided at main entrance gate as shown above
A. EXTERNAL ENVIRONMENT

2. EXTERNAL PATHWAYS

KEY ISSUES
• No Accessible path for PWD’s.
• No separate pedestrian and vehicular pathways.
• Tactile guiding path not provided in walkways
• Signage for accessible facilities is not provided

RECOMMENDATIONS
• Provide Accessible path for PWD’s
• Separate pedestrian and vehicular pathways should be provided.
• A continuous tactile guiding path to be provided from entrance gate till the entrance ramps of all buildings in the campus
• Directional, multilingual and tactile signage of accessible facilities to be provided as per standards at strategic location

A. EXTERNAL ENVIRONMENT

3. PARKING AND 4. ALIGHTING

KEY ISSUES
• Accessible Parking not provided
• Parking lot not well demarcated, random parking observed
• No walkway provided from parking till the entrance
• Insufficient and inaccessible directional and general signage

RECOMMENDATIONS
• Accessible Parking bay to be provided near the entrance as shown in the view. Accessible parking bay (3000 x 5000 mm) to be clearly demarcated on floor and signposted.
• Walkway and tactile guiding path to be provided from Accessible parking bay till the building entrance.
• Accessible directional, multilingual and tactile signage to be provided as per standards.

PROPOSED LOCATION FOR ACCESSIBLE PARKING
B. INTERNAL ENVIRONMENT
5. ACCESSIBLE ENTRANCE AND 6. RAMP

KEY ISSUES
• Access to all spaces by steps only. Alternate access by ramp not provided anywhere.
• No handrails provided

RECOMMENDATIONS
• Ramps to be provided in place of steps as per standards
• Portable ramp provision to be made where building a ramp is not possible
• Handrails to be provided to the ramp on both sides and at both 900 & 760 mm ht. in circular SS sections of 50 mm dia.
• Tactile guiding path to be provided till entrance and continuing inside. Warning tiles to be provided at the start and end of ramp run.
• Directional, multilingual and tactile signage to be provided

PROPOSED RAMP DETAILS
Proposed Ramp location at the front entrance
Ramp width – 1500 mm
Ramp gradient – 1:12
To be provided with
• Warning tiles at top and bottom of ramp,
• Handrails on both sides at 900 and 760 mm
**B. INTERNAL ENVIRONMENT**

### 7. CORRIDORS

**KEY ISSUES**
- Insufficient directional and general signage
- No tactile guiding path in the floor
- Insufficient manoeuvring space due to storage / barriers

**RECOMMENDATIONS**
- Provide tactile guiding path in the floor for independent navigating through the corridors for PwVI
- Provide tactile warning tiles in the floor at entrances of various sections in the buildings
- Clear circulation space of 1200mm to be provided in all corridors
- Accessible directional , multilingual and tactile signage to be provided as per standards

### 8. DOORS AND DOORWAYS

**KEY ISSUES**
- All door openings have steps / level differences
- Door handles provided at a height of 900mm and above
- Protruding signage provided below 2200 mm ht.

**RECOMMENDATIONS**
- All door handles to be provided at standard height of 800 mm
- Lever or D type handles to be provided to all doors and door closers, door mats to be avoided
- Door shutter to be in contrast colour with the adjoining wall and door hardware
B. INTERNAL ENVIRONMENT
9. TOILET FACILITIES

GENERAL TOILETS

KEY ISSUES
- The regular toilet block has level differences at all door openings
- Almost all toilet blocks have Indian WC pan only
- Grab bars and mirror not provided anywhere
- All taps are round knob type, thus difficult to operate
- Insufficient and inaccessible directional and general signage

In the Accessible Toilet –
- Grab bars not provided as per standards around WC
- Mirror, alarm not provided
- All taps are round knob type, thus difficult to operate

DESIRABLE 
ACCESSIBILITY MEASURES

LEVER TYPE FAUCET/TAPS
B. INTERNAL ENVIRONMENT

9. TOILET FACILITIES

RECOMMENDATIONS
• Level differences / thresholds must be removed if possible from all door openings
• New accessible washbasin to be provided at a height between 750mm – 850mm
• Grab bars to be provided in all WC as per standards
• Mirror in the toilets to be installed at a height of 900 mm.
• Lever type taps to be provided in all toilets
• A tactile guiding path to be provided in the floor of passages leading to the toilets
• In the Accessible Toilet –
  o 1000mm wide Landing, handrails and tactile guiding path to be provided to approach ramp as shown in the view
  o A horizontal grab bar should be installed on the adjacent wall, at a height of 200mm from the WC seat
  o The grab bars should be installed near WC at a height between 750 – 850 mm
  o The grab bars should have a diameter of 38 mm
  o There should be an alarm system within easy reach
  o Lever type taps to be provided
  o Mirror to be provided and installed at a height of 900 mm.
  o Flush tank and valve to be provided to the existing WC

B. INTERNAL ENVIRONMENT

10. OFFICES

KEY ISSUES
• Passages do not have clear circulation space of min 1200 mm width, free barriers like file storage flank the circulation aisles.
• Documents are stacked up on tables due to lack of storage space
• Some furniture has sharp corners
• Insufficient and inaccessible directional and general signage.

RECOMMENDATIONS
• There should be adequate covered file storage provided to avoid cluttering in office spaces
• All office tables and cupboards should have rounded edges and corners.
• Layout of the office to be reconfigured to avoid columns in circulation spaces
• Lever or D type handles to be provided to all furniture
• Clear maneuvering space of 1200 mm should provided around and in between office tables wherever possible
• Accessible directional, multilingual and tactile signage to be provided as per standards
B. INTERNAL ENVIRONMENT

11. SIGNAGES

KEY ISSUES
- No signage at main entrance to identify office location
- Protruding signage at doors provided below 2200 mm ht.
- All visual signage is not multilingual and not provided with Braille and Tactile supplements
- All signage size does not comply with standards
- Signs are not uniform and not easy to read everywhere
- All visual signage in the building does not have high color contrast
- No audio signage provided
- Insufficient directional signage inside the buildings

RECOMMENDATIONS
- Prominent visible signage using the international symbol of accessibility, identifying accessible entrance and exit, reserved car parking, presence of toilets for persons with disabilities, drinking water fountain, stairs, lifts and availability of special services to be provided at all strategic locations
- Directional signs in the reception/lobby/corridors/stairs indicating the location of accessible facilities like drinking water fountain, toilets and emergency exits to be provided
- The signage size to comply with not less than 60 mm for doors, 110 mm for corridors and 200 mm for external use
- All visual signage in the building to be uniform and with high color contrast
- All signage should be multi-lingual, provided in English, Hindi and local language and provided with Braille and Tactile supplements
- All Braille and tactile signage to be placed between the height of 900 mm and 1500 mm, located alongside the door at the latch side
- Provision to be made for Visual and auditory substitutes for public address systems and LED Display board information in the building
GUIDELINES FOR SIGNAGE

Tactile Signs

Tactile Pictographic Map

Recommended fonts

Heights and location of signage

KEY ISSUES
• Knob type taps provided which are difficult to operate
• No tactile guiding path in the floor leading to the drinking water facility
• Insufficient and inaccessible directional and general signage

RECOMMENDATIONS
• Lever type taps to be provided in all drinking water fountains
• A tactile guiding path to be provided in the floor leading to the drinking water facility
• Provision of glasses for drinking water to be made at a height of max 1200 mm
• Accessible directional, multilingual and tactile signage to be provided as per standards

B. INTERNAL ENVIRONMENT
12. DRINKING WATER FACILITY
KEY ISSUES
- There is no emergency evacuation provision in the building
- The emergency exits are not clearly marked with directional arrow signs
- Fire extinguishers are not provided and not installed at strategic locations.
- No alerting system provided
- The Staff has not been trained to assist persons with disabilities in evacuation
- There are no evacuation chairs available
- No emergency evacuation plans displayed in common areas

RECOMMENDATIONS
- The emergency evacuation provision should take into account people with disabilities
- There should be a step free or ramped accessible evacuation route identified leading to the exit or the ramp or to the refuge area
- The emergency exits should be clearly marked with directional arrow signs
- Sufficient number of fire extinguishers should be provided at the height between 1000mm and 1500mm
- The alerting system should be both visual and audible
- The alerting buttons should be between 600-1200mm from the floor and should have a high contrast with the wall
- All emergency and directional signage should be accessible
- Evacuation plans should be prominently displayed. The plan should be of right size and easy to read
- The evacuation plans and building maps should be available in tactile Braille formats
- The Staff should have been trained to assist persons with disabilities in evacuation
- There should be evacuation chairs available