

The Secretary Ministry of Urban Development, friends, Ladies and Gentlemen.....

I welcome you on an important day in the annals of CPWD as we are here on the occasion of release of the manual on the standardization of doors and windows for residential buildings.

As we all know, CPWD is the prime agency of Government of India for Planning, Design and Construction of Residential and Non-residential Accommodation. It is committed to provide adequate Residential and Non-residential Accommodation in reasonable time and cost for various Departments of Government of India. It is for more than 150 years since CPWD is engaged in this activity and has been fulfilling this task successfully.

Since the society is changing at a rapid pace so are its demands and expectations and time and quality are the key words of success for survival in the industry and to compete to meet the growing expectations of Building Industry. It is time for CPWD to take a lead with our experience in the building industry to provide it a new look. There is a universal agreement on the need for developing standards for building components to achieve high quality in construction at reduced cost and at shortest possible time.

In its efforts to do so CPWD has developed Standards of Doors and Windows for Residential Buildings as first step and I am sure many such standards will follow soon. This manual is also the first step towards removing the tag of building construction being a part of Un-organized Sector.

The process of this development has been greatly helped by the association of the Indian Buildings Congress which is doing yeomen service to the building industry by working as a platform for all the various professions connected with built environment. The subject of standardization of doors and windows was in fact taken up by IBC on the suggestion of the Secretary (UD), Shri Anil Bajjal during a meeting he had with the representatives of IBC.

While CPWD and IBC were engaged in working out the standards, representatives of CCPS expressed their interest and commitment to the subject by making a presentation before the Secretary (UD). It was therefore decided to set up a Core Group comprising members of the three organizations for working on the subject.

The present manual has been worked out after a series of meetings and discussions held among the members of the core group set under the chairmanship of the ADG (Arch.), CPWD (Mr. Sarat Chandra Bhatia) that included CE (CDO), CPWD, CA (NDR), CPWD, CA (NR), CPWD, SE (S&S), CPWD, IBC, and CCPS.

The need for this type of standards have been felt since long because of the need to optimize the use of various materials used in doors and windows

manufacture and non availability of factory made products far off the shelf quality products.

A detailed study was made to evaluate the present practices and trends of the building industry and to ascertain standards available in the market. Since the BIS (Bureau of Indian Standards) has specified standards for manufacturing doors and windows based on Modular opening sizes considering modular bricks, the shutter sizes vary, when frames for different materials and sizes are used. For various reasons, no standard shutters are available in the market for doors and windows but the basic materials used i.e. "Particle Board, Block Board, Glass panes etc." are manufactured in standard sizes.

The main objective is to reduce wastage of materials and reduce the cost and at the same time to make it easier for the field staff engaged in maintenance of these building to replace these conveniently.

CCPS has conducted a survey to ascertain the present trend of doors and windows openings sizes being followed all over India. Standard shutter sizes and opening sizes have been derived at on the basis of functional requirements and the survey report conducted by CCPS.

The present standard provides detailed information about the shutter sizes required in various openings even if different materials for the frames are used along with the fittings and fixtures used for doors and windows in residential buildings.

The major changes that are anticipated after this manual is put to use, will be:

- Reduction in design time, preparation of drawings,
- Reduction in construction time, Factory made frames /shutters
- Reduction in construction cost, Minimum wastage of material
- Improvement in Quality frames/shutters manufactured In factory.
- Uniformity in shapes, sizes, appearance and detailing in construction.
- Mass Production,
- Reduction of wastage of material,
- Optimization of labour and saving of energy.

Thus I am sure that this manual will help not only our planning/design and construction teams it will also be useful for the construction agencies by helping them taking action well in advance thereby saving time and manufacturing cost of these products.

It is also important to mention here that this manual will have to be updated from time to time in order to incorporate further inputs from market trends and current manufacturing practices.

manufacturing processes.

It will also act as guidelines for preparation for manuals of other items of work in future.

With these words I thank you all and congratulate the team of officers who have contributed their time and efforts in preparation and compilation of this manual and request the Secretary MUD Sh. Anil Bajjal to kindly release the manual.

Sh. Anil Bajjal please.