

3. The structural design, building materials, installations, electrical installations etc. shall be in accordance with the provision (except for provision in respect of floor area ratio) as prescribed in the National Building Code or and/or GDCRs- 1975 in force.
4. The Certificate shall remain valid for period of 1 year from the date of its issue, thereafter revalidation of the same shall be done in accordance with provision of Section - 4B of MRTP Act- 1986 and as per regulations no. 16.1(2) of the GDCRs - 1975
5. The conditions of this certificate shall be binding not only on the applicant but also on its successors and/or every person deriving title through or under him.
6. A certified copy of the approved plan shall be exhibited on site.
7. The amount of Rs1500/- deposited with CIDCO as security deposit shall be forfeited either in whole or in part at the absolute discretion of the Corporation for breach of any of the conditions attached to the permission covered by the Commencement Certificate. Such forfeiture shall be without prejudice to any other remedy or right of Corporation.
8. "Every Building shall be provided with underground and over head water tank. The capacity of the tanks shall be as per norms fixed by CIDCO. In case of high rise buildings underground and over head water tank shall be provided as per the fire fighting requirements of CIDCO. The applicant shall seek approval of the EE (Water Supply) of CIDCO in respect of capacity of domestic water tanks. The applicant shall seek approval of the Fire Officer of CIDCO in respect of capacity of water tanks for the fire fighting purpose."
9. You shall approach Executive Engineer, M.S.E.B. for the power requirements, location of transformer, if any, etc.
10. As per Govt. of Maharashtra memorandum vide No. TBPI/4393/1504/C4-287/94, UD-11/RDP, Dated 19th July, 1994 for all buildings following additional conditions shall apply.
 - i) As soon as the development permission for new construction or re-development is obtained by the Owners/Developer, he shall install a 'Display Board' on the conspicuous place on site indicating following details :-
 - a) Name and address of the owner/developer, Architect and Contractor.
 - b) Survey Number/City survey Number, Plot Number/Sector & Node of Land under reference along with description of its boundaries.
 - c) Order Number and date of grant of development permission or re-development permission issued by the Planning Authority or any other authority.
 - d) Number of Residential flats/Commercial Units with areas.
 - e) Address where copies of detailed approved plans shall be available for inspection.
 - f) A notice in the form of an advertisement, giving all the detailed mentioned in (i) above, shall be published in two widely circulated newspapers one of which should be in regional language.

11. As per the notification dtd. 14th September 1999 and amendment on 27th August 2003, issued by Ministry of Environment & Forest (MOEF), Govt. of India and as per Circular issued by Urban Development Deptt., Govt. of Maharashtra, vide No. FAR/102004/160/P No. 27/UD-20, dtd. 27/02/2004, for all Buildings following additional condition shall apply.

The Owners/Developer shall use Fly Ash bricks or blocks or tiles or clay fly ash bricks or cement fly ash bricks or blocks or similar products or a combination of aggregate of them to the extent of 100 % (by volume) of the total bricks, blocks & tiles as the case may be in their construction activity.

12. As directed by the Urban Development Deptt. Government of Maharashtra, under Section -154 of MR & TP Act- 1986 and vide Provision No. TPB 432001/2133/CR-230/01/UD-11, dated 10/03/2005, for all buildings, greater than 300.00 Sq. m. following additional condition of Rain Water Harvesting shall apply.

- a) All the layout open spaces/amenities spaces of Housing Society and new construction /reconstruction / additions on plots having area not less than 300.00 Sq. m. shall have one or more Rain Water Harvesting structures having minimum total capacity as detailed in schedule (enclosed).

Provided that the authority may approve the Rain water Harvesting Structures of specifications different from those in Schedule, subject to the minimum capacity of Rain Water Harvesting being ensured in each case.

- b) The owner/society of every building mentioned in the (a) above shall ensure that the Rain Water Harvesting structure is maintained in good repair for storage of water for non potable purposes or recharge of groundwater at all times.

- c) The Authority may impose a levy of not exceeding Rs. 100/- per annum for every 100 Sq. m. of built up area for the failure of the owner of any building mentioned in the (a) above to provide or to maintain Rain Water Harvesting structures as required under these byelaws

Manjula
28/2/14

ADDL. TOWN PLANNING OFFICER

 Navi Mumbai & Khopla

C.C. TO: ARCHITECT

M/s Verticals

C.C. TO: Separately to:

1. M (TS)
2. CJC
3. EE (KHR/PNL/KLM/DON)
4. EE (WS)

SCHEDULE
RAIN WATER HARVESTING

Rain Water Harvesting in a building site include storage or recharging into ground of rain water falling on the terrace or on any paved or unpaved surface within the building site.

1. The following systems may be adopted for harvesting the rain water drawn from terrace and the paved surface.
 - (i) **Open well** of a minimum of 1.00 mt. dia and 6 mt. in depth into which rain water may be channeled and allowed after filtration for removing silt and floating material. The well shall be provided with ventilating covers. The water from the open well may be used for non potable domestic purposes such as washing, flushing and for watering the garden etc.
 - (ii) Rain water harvesting for recharge of ground water may be done through a bore well around which a pit of one metre width may be excavated upto a depth of at least 3.00 mt. and refilled with stone aggregate and sand. The filtered rain water may be channeled to the refilled pit for recharging the borewell.
 - (iii) An impervious surface underground storage tank of required capacity may be constructed in the setback or other open space and the rain water may be channeled to the storage tank. The storage tank shall always be provided with ventilating covers and shall have draw-off taps suitably placed so that the rain water may be drawn off for domestic, washing gardening and such other purposes. The storage tanks shall be provided with an overflow.
 - (iv) The surplus rain water after storage may be recharged into ground through percolation pits or trenches or combination of pits and trenches. Depending on the geomorphological and topographical condition, the pits may be of the size of 1.29 mt. width X 1.20 mt. length X 2.00 mt. to 2.50. mt. depth. The trenches can be of depth. Terrace water shall be channeled to pits or trenches. Such pits or trenches shall be back filled with media comprising the following materials.
 - a) 40 mm stone aggregate as bottom layer upto 50% of the depth;
 - b) 20 mm stone aggregate as lower middle layer upto 50% of the depth;
 - c) Coarse sand as upper middle layer upto 20% of the depth;
 - d) A thin layer of fine sand as top layer;

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e) Top 10% of the pits/ trenches will be empty and a splash is to be provide in this portion in such a way that roof top water falls on the splash pad.

f) Brick masonry wall is to be constructed on the exposed surface of pits/ trenches and the cement mortar plastered.

The depth of wall bellow ground shall be such that the wall prevents loose soil entering into pits/ trenches. The projection of the wall above ground shall atleast be 15 cms.

g) Perforated concrete slabs shall be provided on the pits/trenches.

- (v) If the open space surrounding the building is not paved, the top layer upto a sufficient depth shall be removed and refilled with coarse sand to allow percolation of rain water into ground.
2. The terrace shall be connected to the open well/borewell/storage/tank/recharge pit/trench by mean of HDPE/PVC pipes through filter media. A valve system shall be provided to enable the first washings from roof or terrace catchment, as they would contain undesirable dirt. The mouths of all pipes and pipes and opening shall be covered with mosquito (insect) proof wire net. For the efficient discharge of rain water, there shall be at least two rain water pipes of 100 mm dia. mtr. for a roof area of 100 sq. mt.
3. Rain water harvesting structures shall be sited as not to endanger the stability of building or earthwork. The structures shall be designed such that no dampness is caused in any part of the walls or foundation of the building or those of an adjacent building
4. The water so collected/recharged shall as far as possible be used for non-drinking and non-cooking purpose.

Provided that when the rain water in exceptional circumstances will be utilized for drinking and/or cooking purpose, it shall be ensured that proper filter arrangement and the separate outlet for by passing the first rain-water has been provided.

Provided further that it will be ensured that for such use, proper disinfectants and the water purification arrangements have been made.

WBC