

MUNICIPAL CORPORATION OF GREATER MUMBAI

CHIEF ENGINEER (STORM WATER DRAINS) DEPARTMENT

No. Dy.Ch.E./364/Dir/SWD/P.C. dtd. 29.12.2016

Sub : Ease Of Doing Business

Guidelines regarding internal Storm Water Drains remarks / NOC through single window online approval.

As per the circular issued u/no. Ch.E/DP/49/Gen/2015-16 dtd. 29.12.2015 and Ch.E/DP/41375/Gen/2015-16 dtd. 29.12.2015 regarding "Manual of Procedure for Building Proposal Approvals", approved by Hon. Municipal Commissioner, the Owner / Developer may appoint qualified consultant for issuing internal SWD Remark, design and completion thereof.

The guidelines for internal Storm Water Drain remarks shall be as follows :

1. The appointed qualified Consultant shall design the cross sectional area of the storm water drain by considering the various aspects such as area of plot, topography of plot, size / shape of the plot etc.
2. Formula for the calculation of cross sectional area of SWD is :
$$A = Q / V$$

Where A = Cross sectional area of drain required
Q = Plot area x rainfall intensity x runoff co-efficient.
V = Velocity of flow. i.e. 1.2 m/sec
Rainfall intensity = 55 mm /hr
Runoff co-efficient = 1
3. The minimum formation / ground level of the plot shall be at least 28.04 M (92.00') THD or 15 cm. (6") above the formation level of the proposed footpath, if any, raised footpath / existing access, abutting / proposed road, whichever is higher
4. The internal SWD shall be connected to the nearest existing SWD on the Municipal road under the supervision of the respective Ward staff. Consultant shall consider the invert level of the nearest existing Municipal SWD as reference point for designing the SWD network on the internal plot.
5. The standard specification of Construction for SWD for various sizes / slopes shall be as per IS Code 458 and as per the other relevant IS Codes.
6. If property is affected by setback, then, the water entrances/ built up drain affected by setback shall be shifted suitably by extending laterals/ built up drain of required size with grating,

Sd/-

Dtd. 29.12.2016

**Deputy Chief Engineer
(Storm Water Drains) PI. Cell**