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## **SPECIFICATIONS FOR ERECTION OF HOARDINGS UNDER THE BYE-LAWS**

### **1.0 INTRODUCTION:**

This annexure provides specifications and details relating to the erection of hoardings under Bangalore MahanagaraPalike's jurisdiction.

### **2.0 GENERAL :**

2.1 The hoarding should be maintained properly by providing the painting time to time prevent corrosion. All joints should be checked periodically to ensure its safety.

2.2 The display of the BMP permission number and name of the advertising company shall mandatory be displayed in bold, Times New Roman font. These letters should be 6" high in white colour on black background. (Refer Plate Nos. 1, 2 and 8).

2.3 The erection of the hoarding should be done by machineries (erecting equipments) wherever necessary and all the precautionary measures will be taken to prevent any accident.

2.4 The agency shall take all necessary precautions to prevent and nuisance or inconvenience to vehicular and pedestrian traffic movement due to erection of the hoarding.

### **3.0 LOCATION :**

3.1 The location of the hoarding shall not be within 30 feet from the edge of a junction or circle. (Refer Plate Nos. 4 and 5).

3.2 Whenever it is erected near/on footpath, the hoarding should have an angle between 50 to 60 degrees with respect to the centerline of the road. Refer Plate Nos. 4 and 5.

### **4.0 HEIGHT LIMITATIONS AND SIZE OF THE HOARDING BOARD:**

4.1 The top of the hoarding board of unipole, bipole and hoarding on the rooftop should not be more than 30' (9.144m) from the center of the respective roads. Refer Plate No. 3.

4.2 The maximum size of the hoarding board of unipole, bipole and hoarding on the rooftop should not be more than 15'x30'.

### **5.0 PREVENTION OF NUISANCE AND POLLUTION:**

5.1 The agency shall take necessary precautions to prevent any nuisance or inconveniences to the owners, tenant or occupants of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution and stream and waterways.

5.2 He shall make good at his cost and to the satisfaction of the Bangalore MahanagaraPalike, any damage to roads, paths, cross drainage works or public or private property whatsoever caused during the execution of the work.

5.3 No hoarding shall obstruct any doors and/or windows of the building near or on which it is erected of that of the adjoining property.

5.4 All waste or superfluous materials shall be cleared away by the agency.

### **6.0 STRUCTURAL SPECIFICATION :**

6.1 General

6.1.1 All structured steel rolled sections and plates shall confirm to BIS 226 – 1975 and BIS 7062 – 1980.

6.1.2 Structural design shall conform to BIS 800 – 1984.

6.1.3 Structure shall be designed for wind load of 33m/sec as per BIS 875 Part II.

6.1.4 R.C.C. foundation shall be provided based on soil condition and depth of foundation shall not be less than 1500 mm and shall be as per BIS 456.

6.1.5 Design calculations shall be submitted along with working drawing from a practicing structural engineer.

## 6.2 Hoarding on ground

### 6.2.1 Unipole :

- Foundation

Unipole shall be founded on RC footing and pedestal.

- Stanchion

Single circular stanchion of 450 mm diameter made up of 2 mm thick MS sheets.

- Board

The board shall be made of MS box SHR section.

- Sheeting

Sheeting shall be 18 SWG thick GI sheets supported on MS angles. Refer typical structural details of Plate No. 6

### 6.2.2 Bipole:

- Foundation

Bipole shall be founded on RC footing and pedestal

- Stanchion

The stanchion shall be make up of ISMB 250 @ 75 kg cm.

- Board

The board shall be made of MS box SHR section.

- Sheeting

Sheeting shall be 18 SWG thick GI sheets supported on MS angles. Refer typical structural details of Plate No. 7.

### 6.3 Hoarding on roof top

- Shall be erected only on RC framed structure.
- Stability Certificate for the foundation and the building shall be furnished from the practicing structural engineer.
- The base of the hoarding shall be supported only on RC columns with suitable RC beam frames.
- The board shall be made of MS box SHR section.
- Sheeting shall be 18 SWG thick GI sheets supported on MS angles.

### 7.0 ELECTRIFICATION:

7.1 Whenever the illumination is to be provided the necessary approval from the concerned authorities (BESCOM) should be taken and necessary safety measures (to prevent accidents) have to be taken.

7.2 The illumination arrangement should not cause disturbance to traffic passing near or underneath the hoarding/gantry/foot bridge/over bridge, as the case may be. Illumination of hoardings in residential areas shall be switched off manually or electronically at a reasonable hour at night, which is defined by Bangalore MahanagaraPalike.

7.3 All electrical components shall conform to BIS.

7.4 Underground cable should be 16 sq. mm. 2 core.

7.5 Meter box, ELCB, MCB. Fuse Cutout. Timer Contractor and Locking Arrangement should be as per requirement of BESCOM.

7.6 Illumination: 2 Nos. 400 Watt metal halide light fixtures.

7.7 Earthing: 1.8 m deep below the ground using GI Pipe, Funnel, Charcoal, Salt, Brick Masonry work, etc. as per requirement of BESCOM.

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