

REGULATION CELL  
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भारत संचार निगम लिमिटेड  
(भारत सरकार का उपक्रम)  
BHARAT SANCHAR NIGAM LIMITED  
(A Govt. of India Enterprise)

No. 10-8/EMF Radiation/2013-Regln (Vol-II)/ 772

Dated: 12 Dec, 2018

To

**The Chief General Managers,**  
All Telecom Circles/ Telephone Districts/  
BSNL.

**Sub:** Instructions for new safety signage as per the revised test procedure for measurement of Electromagnetic fields from Base Station Antenna - TEC Test procedure no. TEC/TP/EMF/001/04June2018 -regarding.

Sir,

I am directed to forward the letter No. 800-15/2010-VAS dated 03.12.2018 from ADG (AS-II), Access Service Wing, DOT HQ on above noted subject.

In this regard , it may be recalled that this office has already forwarded DOT letter No. 800-15/2010-VAS dated 20.06.2018 wherein revised TEC Test Procedure for measurement of Electromagnetic Fields from Base Station Antenna was issued and it was circulated to all BSNL Telecom Circles vide this office letter dated 17.07.2018 ( uploaded on intranet portal) for implementation of the same.

Further DOT has directed that the new norms for safety signage prescribed in revised TEC procedure shall be implemented by all Licensees and the old signage boards at all BTSs sites shall be replaced by new signage boards by 30.06.19. However, it must be ensured by Licensees that during the transition period of changing the signage boards, a BTS site should have at least one safety signage board (s) either as per old signage norms or new signage norms. Absence of any of Signage boards shall be treated as non-compliance and penalty as prescribed in the prevailing instructions shall be imposed.

It is requested that the instructions as contained in the aforesaid DOT letter dated 03.12.2018 regarding Instructions for new safety signage as per the revised test procedure for measurement of Electromagnetic fields from Base Station Antenna - TEC Test procedure no. TEC/TP/EMF/001/04June2018 be scrupulously followed.

**Asstt General Manager (Regulation-III)**

**Encl:-** As above

Government of India  
Ministry of Communications  
Department of Telecommunications  
(Access Services Wing)  
Sanchar Bhawan, 20, Ashoka Road, New Delhi

Dated: 03.12.2018

File No.: 800-15/2010-VAS

To,

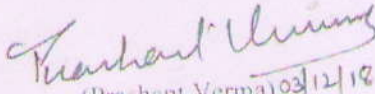
All CMTS/UASL/UL (having Access Service Authorization) Licensees

Subject: Instructions for new safety signage norms as per the Revised Test Procedure for Measurement of Electromagnetic Fields from Base Station Antenna – TEC Test Procedure No. TEC/TP/EMF/001/04, JUN 2018- regarding.

This is in reference to this office letter of even number dated 20.06.2018 vide which the above mentioned revised TEC test procedure was circulated to all Licensees and LSA field units of DoT for implementation of the same.

2. In this regard, the undersigned is directed to convey that the new norms for safety signage as prescribed in revised TEC procedure shall be implemented by all Licensees and the old signage boards at all BTSs sites shall be replaced by new signage boards by 30.06.2019. However, it must be ensured by Licensees that during the transition period of changing the signage boards, a BTS site should have at least one safety signage board(s) either as per old signage norms or new signage norms. Absence of any of signage boards shall be treated as non-compliance and penalty as prescribed in the prevailing instructions shall be imposed.

Encl.: Relevant page of revised TEC test procedure regarding safety signage.

  
(Prashant Verma) 03/12/18  
Assistant Director General (AS-II)  
Tele No. 011-23354042

Copy to:

1. DG (T), DoT HQ, New Delhi.
2. Sr. DDG, TEC, New Delhi.
3. All Advisor(s)/Sr. DDsG of LSA Units of DoT.
4. DDG (CS), DDG (AS-I), DoT HQ, New Delhi.
5. COAI.

are having three carriers, while the third one has four carriers, the value to be provided would be four.

#### 18.4: General comments on measurements

- (i) Setting up Measurement Range (MR) has significant impact on readings. The MR must be set based on the presence of field strength. Start with minimum value of MR/attenuation and then increase the MR/Attenuation such that instrument just comes out of saturation mode. Alternatively set for automatic selection for MR, if feature exist in the instrument.
- (ii) Screenshots of the measurement results should be recorded and included in the Measurement report for the EMF audit.

#### 19.0 Safety Signage

The mobile service operator will ensure provision of proper signage warning for general public. The sign board should be clearly visible and identifiable and may contain the following text (as given in the sample below):

The sample of signboard is given below for reference



The rules for placement of signage are as follows:

- (1) The signage is to be fixed at an appropriate point on the roof of the building of base station in case of RTT/RTP or on the tower structure in case of GBT.
- (2) For base station installed on self supporting towers/GBM, the safety signage may be pasted around / install on the tower structure at 2 to 4 meters above the ground level.

**Size of Signage:** Signage shall be of 200mmX150mm.