

भारत सरकार/GOVERNMENT OF INDIA  
रेल मंत्रालय/MINISTRY OF RAILWAYS  
रेलवे बोर्ड (RAILWAY BOARD)

No.2017/Sig/SEM –II/Misc,

New Delhi, Dated 29.05.2019

**General Managers**  
**Zonal Railways &**  
**CORE/ALD**

**Director General**  
**RDSO/Lucknow**

**Director General**  
**NAIR/Vadodara**

**Sub: Joint Procedure Order to be followed in cases of infringement of minimum distance between OHE mast and Signal post.**

ACTM clause 18.11 Appendix-I, Vol.-II, Part-II and SEM Pt-II Para - 22.3.1(a) defines minimum distance to be ensured between OHE mast and Signal post. Numbers of condonation cases are being received in Board's office due to non-compliance of above provisions in ACTM and SEM in the sections where Railway Electrification is in progress. A Joint Procedure Order (JPO) has been prepared jointly by Traction & Signal Directorates of Railway Board with approval of MTR and MS&T for guidance and necessary action.

Zonal Railways are advised to ensure compliance of Joint Procedure Order (JPO) in all cases where the distance between OHE mast and Signal post cannot be maintained as per above ACTM and SEM provisions.

**Annexure – JPO (2 pages)**

*Arjun Singh Tomar*  
29/05/19  
**(Arjun Singh Tomar)**  
निदेशक (सिगनल)

**Copy to:**

CMD/RVNL, CMD/IRCON, CMD/RITES, CMD/PGCIL  
PCSTE (All Zonal Railways and CORE, Allahabad)  
PCEE (All Zonal Railways and CORE Allahabad)  
Sr.ED/TI/RDSO, ED/Co-ord.(Signal)/RDSO  
EDRE, Railway Board

(भारत सरकार) GOVERNMENT OF INDIA  
(रेल मंत्रालय) MINISTRY OF RAILWAYS  
(रेलवे बोर्ड) RAILWAY BOARD

No. 2017/Sig/SEM-II/MISC

New Delhi, Dt.24.05.2019

Joint Procedure Order

Sub: Minimum distance between signal post and traction OHE mast in 25KV RE area.

1. Clause 18.11 of volume II Part II of ACTM and Para 22.3.1 (a) mandates minimum distance between signal post and OHE mast.

Clause 18.11 of ACTM appendix I Vol.II Part II


*"No mast shall be located beyond a signal post at a distance less than 10 m. In case the OHE mast is located in front of the signal the distance between the OHE mast and signal post should not be less than 30m."*

Para 22.3.1(a) of SEM

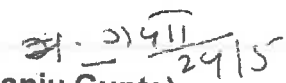
*"The distance between the signal post and traction mast shall be as large as possible. In case the traction mast is located in front of the signal post, the distance between the traction mast and signal post should not be less than 30m. In addition, it should be ensured that no location mast is located in advance of the signal post at a distance less than 10m ."*

2. With the approval of SSC minutes vide signal directorate's letter no. 2017/Sig/3/85<sup>th</sup> SSC dated 3/7/2018 and RE directorate's letter no. 2013/RE/161/21Pt.I dated 26/7/2018; PCSTEs and PCEEs of the zonal railways have been empowered to give dispensation for reduction in the distance of placing mast in front of the signal from 30m to 10m on straight track after ensuring staggering for proper visibility of signal as per provisions of ACTM and SEM.
3. In spite of above relaxation, OHE masts are being erected at a distance of less than 10m due to various constraints and all these cases are being referred to Railway Board for condonation. To ensure that condonation is sought only in exceptional unavoidable cases following procedure order shall be followed:

- i) Approval of Layout plans shall continue to be governed as per policy guidelines issued vide Board's letter No.2015/RE/161/22 dated 17.11.17
- ii) LOP should be prepared indicating location of signals as per existing approved Signal Interlocking Plan (SIP)
- iii) All such instances where distance between OHE mast & Signal post is less than 30 mtrs in front and 10 mtrs in rear shall be brought to notice of Dy CSTE of the project by Dy CEE concerned; along with relevant extract/details of the LOP.
- iv) Dy CSTE of the project should; after studying the LOP shall suggest alternatives like relocation of signal/mast to avoid the condonation requirement duly ensuring design principles of OHE.
- v) Dy CSTE of the project may also consult Sr DSTE of the Division concerned for possibility of relocation of the signal post and other issues arising out of the situation. In case relocation of signal is being considered, a joint inspection of the site at the level of Dy CSTE/Dy CEE alongwith Sr DSTE/Sr DEE TRD shall be carried out.
- vi) Dy CSTE & Dy CEE of the project after after due deliberations on the matter will draw a joint minutes on agreed plan for adoption and further execution.
- vii) In case of disagreement between Dy CEE/Dy CSTE and Sr DSTE/ Sr DEE TRD, the joint minutes will be put up to CPD for final decision who shall consult PCSTE before taking a final decision.
- viii) In case of executing agencies other than CORE (i.e. RVNL, IRCON, PGCIL, RITES); DY CEE & Dy CSTE shall be replaced by Electrical & Signal Engg. Officer incharge executing the project. CPD shall be replaced with HOD/Executive Director/GGM incharge of the project in HQ.
- ix) Entire process of joint minutes shall be completed within 3 working days from the date matter is referred by Dy CEE to Dy CSTE
- x) Any condonation case in respect of LOPs approved after date of issue of this JPO shall be accompanied with joint agreed minutes as above.

  
(Rajeev Sharma) 24/5/19

AM/Signal

  
(Manju Gupta) 29/5

AM/Electrical