

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No.2008/Elect(G)/170/3 Pt.

Dated: 29.12.2016

Chief Electrical Engineer,
All Zonal Railways

TA/RE (Gupta & Lawan)
(i) PE keep in format file, policy file.
(ii) PE upload on RE site. website of IR.
EPR
ML
8.11.17
EDRE

Sub: High tension three pulley ATD system.

Ref: (i) Rly Bd's letter no. 2003/RE/161/1 Vol-III/pt dt. 13.06.16.
(ii) Rly Bd's letter no. 2001/Elect(G)/170/1 dt. 22.11.16.
(iii) RDSO letter No.TI/OHE/3PHTATD/2016 dt.15.12.16.

Railway Board vide letter at ref. (i) and (ii) have issued instructions to all Railways and Railway PSUs for increasing tension in contact and Catenary wire from 1000 Kgf to 1100 Kgf for new OHE works. To increase the tension, RDSO has issued specification no. TI/SPL/OHE/3PHTATD/0150 suitable for 1200 Kgf tension. However, the sources of 1200 Kgf ATD system is under development.


2. RDSO vide letter at ref. (iii) has recommended that while they are in the process of development of adequate sources for 3 pulley system for specification No. TI/SPL/OHE/3 PHTATD/0150 suitable for 1200 Kgf tension (which will also be suitable for 1100 Kgf tension). As an interim measure, the existing ATD as per specification no. TI/SPC/OHE/ATD/0060 Rev.1 for 1000 Kgf can be used for 1100 Kgf as the life cycle testing (40,000 cycle operation) of the existing 3 pulley ATD has been found to be suitable for tension at 1200 Kgf.

3. The above recommendation of RDSO have been considered & approved by Board (MTR).

4. All Railways/PSUs can therefore provide the ATD with RDSO specification no. TI/SPC/OHE/ATD/0060 Rev.1 for increased tension of 1100 Kgf during the construction of new OHE till such time the sources for ATD system for tension up to 1200 Kgf as per specification no. TI/SPL/OHE/3PHTATD/0150 are not developed. NR and NCR should also take necessary action to increase the tension

TL
IT
Policy Committee

on Delhi-Agra route to make OHE fit for 160 kmph for running of "Gatiman Express" accordingly.


29/12/16
(Punit Agrawal)

**Director Electrical Engg. (PS)
Railway Board**

- Copy to: (i) CAO/Electrical/CORE.
(ii) Sr.ED/TI/RDSO, Lucknow.
(iii) CMD/all Railway PSUs.
(iv) CMD/PGCIL.
(v) Adv/RE.