

File No.RDSO-TI0LKO(OHE)/33/2020-O/o PED/TI/RDSO-Part(2)

भारतसरकार - रेलमंत्रालय - अनुसंधानअभिकल्पऔरमानकसंगठन,मानकनगर,लखनऊ-226011
Government of India - Ministry of Railways
Research Designs & Standards Organisation, Manak Nagar,
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No. RDSO-TILKO(OHE)/33/2020 (Part-2)

Dated, the 18th November, 2020

Principal Chief Electrical Engineer & CAO,

- | | |
|--|---|
| (i) Central Railway, Station Building, Mumbai CST - 400 001 | (ii) Eastern Railway, Fairlie Place, Kolkata-700 001. |
| (iii) East Central Railway, Hajipur-844 101. | (iv) East Coast Railway, Bhubaneshwar-751 023. |
| (v) Northern Railway, Baroda House, New Delhi - 110 001. | (vi) North Central Railway, Allahabad-211 015. |
| (vii) North Eastern Railway, Gorakhpur-273 012. | (viii) North Frontier Railway, Mailgaon - 781 011. |
| (ix) North Western Railway, Jaipur - 302 017. | (x) Southern Railway, Park Town, Chennai- 600 003. |
| (xi) South Central Railway, Railnilayam, Secunderabad-500371 | (xii) South Eastern Railway,Garden Reach, Kolkata- 700 043. |
| (xiii) South East Central, Railway, Bilaspur -495 004. | (xiv) South West Railway, DRM's Office, Hubli-580 028. |
| (xv) Western Railway, Churchgate, Mumbai-400 020. | (xvi) West Central Railway, Jabalpur- 482 001. |
| (xvii) Central Organisation for Railway Electrification, Nawab Yusuf Road, Allahabad-211000. | (xviii)Konkan Railway, Belapur Bhavan, Navi Mumbai - 400614 |

विषय/Sub: SMI No. TI/MI/0056 Rev. 2 on "prevention of monkey menace"
(MSG Item 30.20)

संदर्भ/Ref :(i) This office letter no, TI/OHE/GA/2018 dated 19.11.2018
(ii) Railway Board letter No. 2000/EEM/220/1 dated 27.10.2020

The SMI No. TI/MI/0056 Rev. 1 on "Prevention from climbing of Monkey over Traction Installation Structures" was circulated to Zonal Railways vide reference (i) above.

2. Standard barbed wire frame arrangement as per Drg. No. TI/SK/OHE/ANTIMON/ RDSO/ 00001/08/0 (advised vide this office letter no. TI/OHE/INS/GEN/08 dated 03.11.2008) and cylindrical drum arrangement was given in SMI No. TI/MI/0056 Rev.1. The length of the cylindrical drum was specified as 1 meter. Material for Fabrication of Cage was 40X6 Galvanised Flat.

3. As per the decision of 31st MSG meeting circulated vide reference (ii) above, RDSO to review the SMI for length of drum to 1.2m and change in material for fabrication of cage as MS Galvanized Flat.

4. In compliance to Railway Board decision of 31st MSG Meeting, the Cylindrical Drum arrangement has been modified as proposed by Central Railway and revised SMI No. TI/MI/0056 Rev.2 on "Prevention from climbing of Monkey over Traction Installation Structures" is enclosed herewith for implementation.

This is issued with the approval of PED/TI/RDSO.

Signed by Girraj Kishore

(Girraj Kishore)

Date: 18-11-2020 15:28:13

[कृते महानिदेशक (कर्त्तव्य संस्थापन)/For Director General(TI)]

Reason: Approved

Encl: As above

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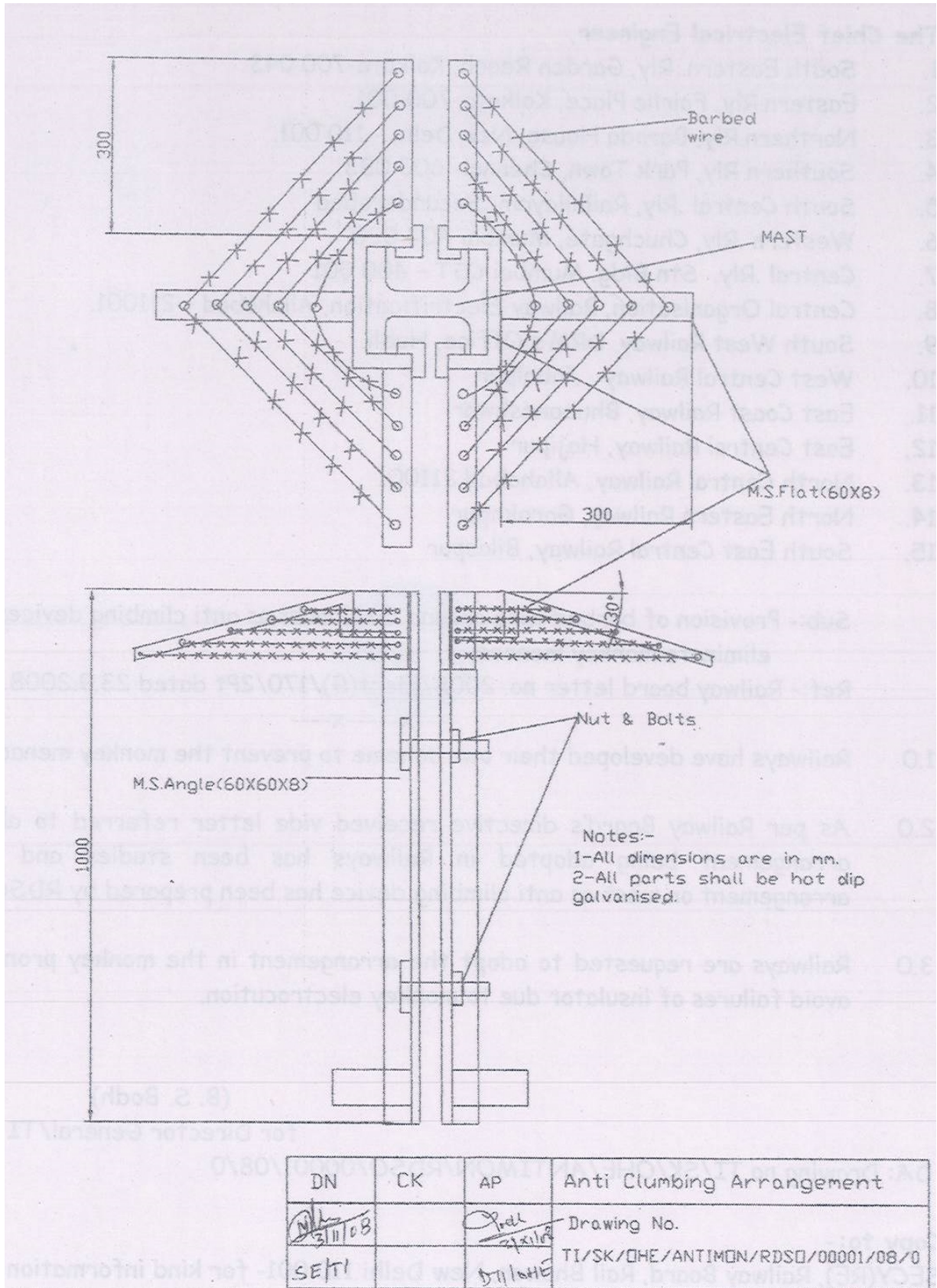
1. ED/EEM/Railway Board - for kind information please.
2. EDRE/Railway Board - for kind information please.

Government of India, Ministry of Railways
Research Designs & Standards Organisation, Manak Nagar, Lucknow – 226011

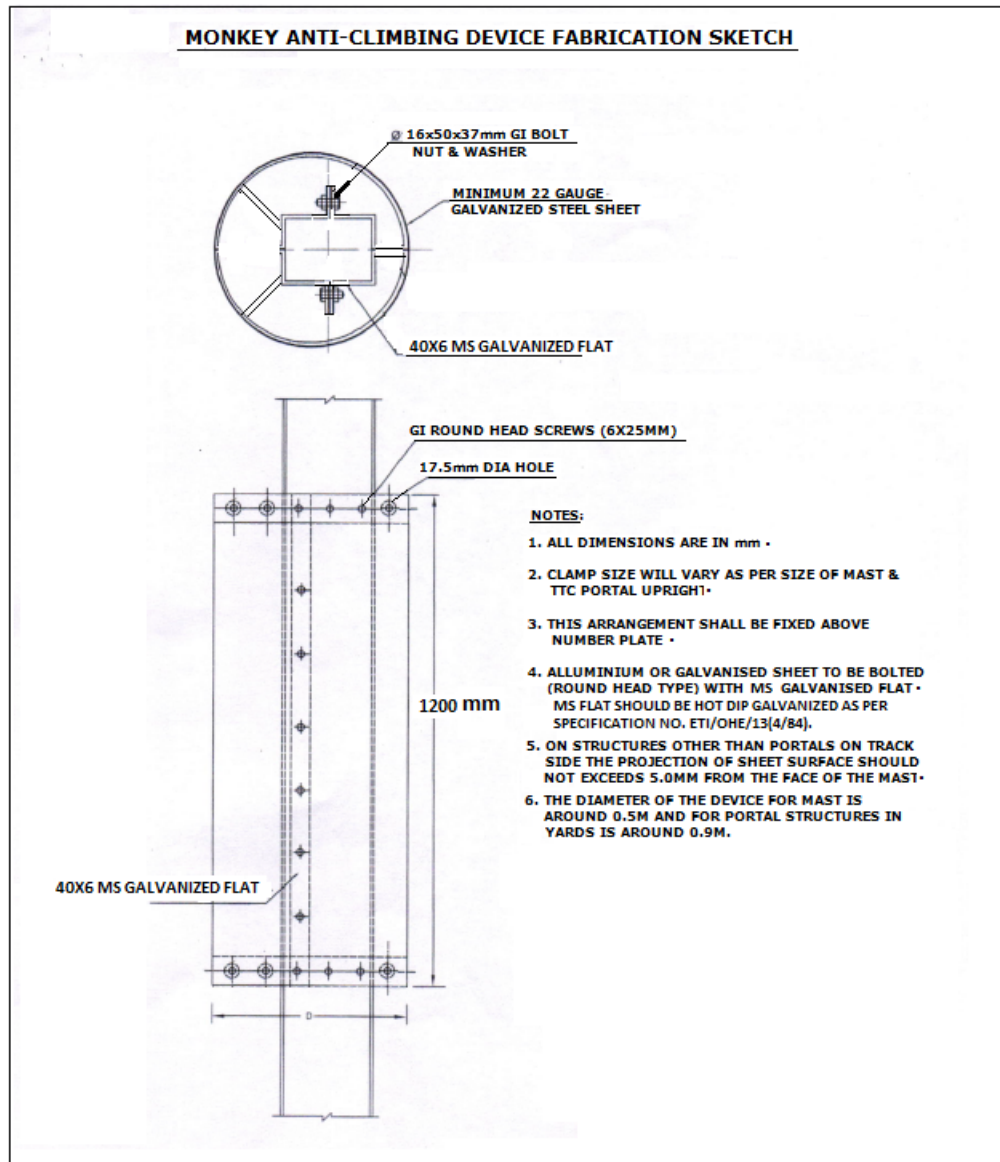
1. TITLE: Prevention from climbing of Monkey over Traction Installation structures.
2. OBJECTIVE: To minimize the failures of **Traction Installations (OHE, SP/SSP/FP/TSS)** due to climbing of the monkey over High Voltage live structures **(Mast, Portal upright, Gantry Mast upright etc.)** causing Electrical and Mechanical failures resulting in traffic disruption, loss of material and man hours.
3. MAINTENANCE INSTRUCTIONS:
 - 3.1 Following arrangements are suitable to prevent climbing of monkey over Traction Installations structures and should be provided.
 - 3.1.1 Barbed wire frame Arrangement: Annexure-I- Latest revision of Drg. No. TI/SK/OHE /ANTIMON/RDSO/ 00001/08/0.
 - 3.1.2 Cylindrical Arrangement:
 - 3.1.2.1 Annexure-II-drawing. Galvanized Steel or Aluminum Cylindrical Drum.
 - 3.1.2.2 Philosophy is to prevent Monkey from gripping structure while climbing.
 - 3.2 Different type arrangements may also be provided within same Railway for comparison.
 - 3.3 These arrangements shall not be provided on ATD locations.
 - 3.4 Arrangement will be provided on identified Monkey Prone Locations/Sections approved by PCEE.
 - 3.5 Provisions of Indian Railways Schedule of Dimensions 1676mm Gauge (BG) Revised 2004 with ACS shall not be violated.
4. MAINTENANCE OF RECORDS:

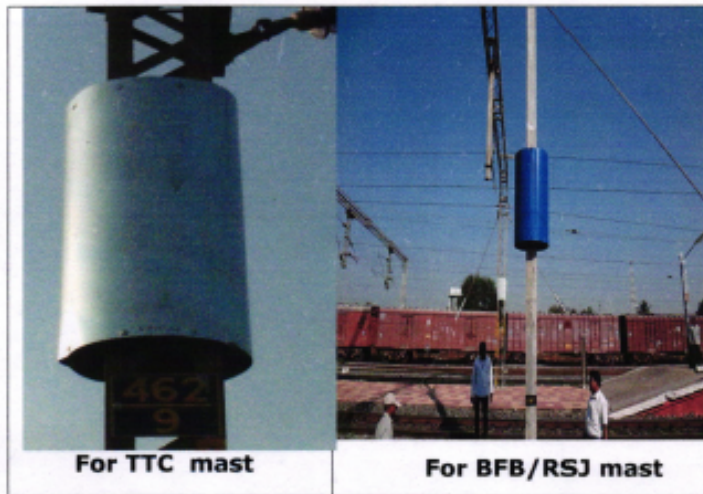
For failure analysis, record of locations & date of provision, shall be maintained in the OHE Depot.
5. AGENCY FOR IMPLEMENTATION: Railway TRD Maintenance organization.
Not to be implemented by Electrification agencies.
6. REFERENCES:
 - (a) Railway Board letter No.2007/Elect(G)/220/2 Pt-II dated 10.11.2017
 - (b) RDSO letter No. TI/OHE/GA/2017 dated 09.03.2018
 - (c) Railway Board letter No. 2000/EEM/220/1 dated 27.10.2020

Annexure-I



Annexure-II





Internal Construction of the device