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भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226 011
Government of India-Ministry of Railways
Research Designs & Standards Organisation
LUCKNOW - 226 011

No.EL/3.2.172

Dated : 15.7.99

Technical Circular No. ELRS /TC/0043

Chief Electrical Engineer,
Chittaranjan Locomotive Works,
Chittaranjan 713331

Sub: Procurement of suspension tube fixation bolt size M36x110 mm length from the reputed manufacturers.

Ref: New Item No. 2 of 26th MSG/EL meeting held at Bangalore, S.Rly. on 7th and 8th April, 1999.

During the 26th MSG (Electric Loco) meeting held at Bangalore on 7th and 8th April '99, the failures of suspension tube of Hitachi traction motor type HS-15250A due to breakage of their fixation bolts size M36x110 mm length was discussed in detail and it was noticed that the bolts for the suspension tubes are not being procured by CLW/Railways from standard fastener manufacturers.

It has been decided that suspension tube fixation bolts must be procured only from the following standard fastener manufacturers.

- M/s GKW Ltd. , Calcutta.
- M/s Sundaram Fasteners Ltd. , Chennai
- M/s Laxmi Precision Screws, Rohtak (LPS brand)
- M/s Precision fasteners Ltd. , Mumbai (Unbrako brand)

While procuring above bolts, it should be ensured that these bolts are hot forged and rolled threaded and the raw material and mechanical properties should be as per IS:1367 (Part 3) of 1991. The dimensions of bolt should be as per CLW Drg. No.4 TWD.095.089 Alt. 1 and as per IS:1364 (Pt.2)'92.

Encl: Nil

(R K Kulshrestha)
For Director General (Elec.)

Copy to:

1. Secretary (Electric Traction), Railway Board,
Rail Bhwan, New Delhi 110001 for information pl.
2. Chief Electrical Engineer, l
 - (i) Central Railway, Mumbai CST 400001
 - (ii) Eastern Railway, Fairlie Place, Calcutta 700001
 - (iii) Northern Railway, Baroda House, New Delhi 110001

Chief Electrical Engineer,

- (iv) Southern Railway, Park Town, Chennai 600003
- (v) South Central Railway, Rail Neelayam, Secunderabad 500071
- (vi) South Eastern Railway, Garden Reach, Calcutta 700043
- (vii) Western Railway, Churchgate, Mumbai 400020

- For information and necessary action pl.



(R K Kulshrestha)
for Director General (Elec)