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No.STS/E/AC/Component

Dated: 15.7.2002

**Chief Signal & Telecom Engineer,**  
Central Rly., Mumbai, CST - 400001  
Western Rly. Churchgate, Mumbai - 400020  
Eastern Rly., Fairlie Place, Calcutta 700001  
South Eastern Rly., Garden Reach, Calcutta - 700043  
Northern Rly. Baroda House, New Delhi- 110001  
Northeastern Rly., Gorakhpur- 273012  
Northeast Frontier Rly., Maligaon, Guwahati - 781011  
Southern Rly. Park Town, Chennai - 600003  
South Central Rly., Secunderabad - 500371

Sub: Use of INSULTEC Paint on locations using electronic equipments

Ref: i) Member Electrical/Railway Board's inspection note dated 17<sup>th</sup> March 2000

ii) CSTE/C/Western Railway's directives to their construction units to use INSULTEC Paint

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Western Railway has used INSULTEC Paint supplied by M/s Weathertuff/Chitra Sales & Marketing, 202, Sarthak Complex-II, Swastik Char Rasta, Navrangpura, Ahmedabad-380 009 (Gujrat) with good results. Member Electrical in his inspection note directed RDSO to study the property of INSULTEC paint so that it can be adopted to improve reliability of sophisticated signal & telecom equipments.

RDSO have carried out trial of INSULTEC paint in summer season of 2002. M/s Weathertuff has carried out the work of painting of one location. Work carried out by the firm for the trial involves scrapping & removing of old paint, application of anti corrosive primer, two coats of INSULTEC coatings and one glaze coating (to avoid dust). Paint is whitish in colour. It has been found that INSULTEC paint reduces inside temperature of locations by average 4.4° Cooling benefits of INSULTEC coating is substantial in warmer condition.

Electronic equipments life and failure rates considerably depend on environmental temperature in which they operate. Cost of treatment of INSULTEC on one full size location box is approximately Rs.1500/-including Labour charges. Life of the INSULTEC Paint is 5 years. INSULTEC Paint is effective in reducing the inside temperature. Its use for painting locations housing electronic equipments is recommended. Work may be carried out on works contract basis, which will include Labour charges and result can be monitored at site immediately. Brief Specification is enclosed.

DA:As above

(S.K.Khare)  
for Director General/Signal

✓ Copy to : M/s Weathertuff/Chitra Sales & Marketing, 202, Sarthak Complex-II, Swastik Char Rasta, Navrangpura, Ahmedabad-380 009 (Gujrat)

DA:Nil

(S.K.Khare) 15/7/2002  
for Director General/Signal