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भारत सरकार - रेल मंत्रालय  
अनुसंधान अभिकल्प और मानक संगठन  
लखनऊ - 226011  
Government of India - Ministry of Railways  
Research, Designs & Standards Organization,  
LUCKNOW - 226011

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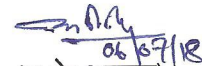
Dated: 06.07.2018

### प्रधान मुख्य विद्युत इंजीनियर

1. उत्तर रेलवे, बड़ोदा हाउस, नयी दिल्ली - 110001.
2. पूर्व रेलवे, फेयारली प्लेस, कोलकता - 700001.
3. दक्षिण पूर्व रेलवे, गार्डनरीच, कोलकता - 700043.
4. मध्य रेलवे, मुम्बई सी.एस.टी - 400001
5. पश्चिम रेलवे, चर्चगेट, मुम्बई - 400020.
6. दक्षिण रेलवे, पार्क टाउन, चेन्नई - 600003.
7. दक्षिण मध्य रेलवे, रेल निलायम, सिकन्द्राबाद - 500371.
8. पूर्व मध्य रेलवे, हाजीपुर, बिहार - 844101
9. पूर्व तटीय रेलवे, भुवनेश्वर - 751016
10. दक्षिण पूर्व मध्य रेलवे, बिलासपुर - 495004.
11. पश्चिम मध्य रेलवे, जबलपुर - 482001.
12. उत्तर मध्य रेलवे, सूबेदारगंज, इलाहाबाद - 211001.
13. पूर्वोत्तर रेलवे, गोरखपुर - 273 001
14. उत्तर पश्चिम रेलवे, जयपुर - 302 006
15. इण्टीग्रल कोच फैक्टरी, पेराम्बूर, चेन्नई - 600 038.
16. चित्तरंजन लोकोमोटिव वर्क्स, चित्तरंजन - 713331.

**विषय:** Minutes of Meeting on review of maintenance kit of N-32 Tap changer


Minutes of Meeting on review of maintenance kit of N-32 Tap changer for Electric Locomotive, held on 14.06.2018 at RDSO, is enclosed for further necessary action.

  
06/07/18  
(ए.के.शुक्ला)

संलग्नक: यथोक्त

कृते महानिदेशक/विद्युत

**Copy to:** सचिव, रेलवे बोर्ड, नई दिल्ली, (Kind Attn: Sri A.K. Goswami Dir/RS/RB-  
For information please)

  
06/07/18  
(ए.के.शुक्ला)

संलग्नक: यथोक्त

कृते महानिदेशक/विद्युत

**Minutes of Meeting on review of maintenance kits of N-32 Tap Changer for Electric Locomotives held on 14.06.2018 at RDSO, Lucknow.**

**Members Present**

1	Shri A.K. Shukla, EDSE/RDSO
2	Shri Ravi S. Chaturvedi, Sr.DEE/TRS/CNB
3	Shri Saurabh Arya SSE/ELS/CNB
4	Shri. Santosh Sharma (Sr.DEE/TRS/ET)
5	Shri. Deepak Kumar, AEE/MGS
6	Shri. Rajeev Kr. Ranjan, SSE/MGS
7	Shri. Harvinder Singh, SSE/LDH

In past some sheds have expressed that the items included the maintenance kits (major and minor schedules) of N-32 Tap Changer for Conventional Electric Locomotives needs review for optimizing the cost of maintenance . Therefore the meeting was convened today on 14.06.2018 with Railways at RDSO, Lucknow in pursuance to Railway Board directive to reduce cost of maintenance without compromising the reliability. Based on deliberations in the meeting the proposed revision in kit is summarized in annexure-I.

  
(A.K. Shukla)  
EDSE/RDSO

### Revision in maintenance kit of tap changer

S.no.	Kit	Existing	Revision
1	I <sub>A</sub> , I <sub>B</sub> & I <sub>C</sub>	Complete Kits ( <b>Must change item</b> )	I <sub>A</sub> , I <sub>B</sub> & I <sub>C</sub> kits shall be replaced on condition basis by sheds.
2	TOH	Silica gel (Pt. no. G3608 & S4711) at sl. no. 30 of Annexure Q1, sl. no. 46 of Annexure X1, sl. no. 38 of Annexure X2. ( <b>Must change item</b> )	To be deleted from kit and shall be procured on the basis of requirement of the shed.
3	IOH	Silica gel (Pt. no. G3608 & S4711) at sl. no. 61 of Annexure R1, sl. no. 86 of Annexure X3, sl. no. 76 of Annexure X4( <b>Must Change item</b> )	To be deleted from kit and shall be procured on the basis of requirement of the shed.
4	IOH	Sealing gasket (Pt. no. G1107 & S1107) at sl. no. 15 of Annexure R1 & sl no. 15 of Annexure X4( <b>Must change item</b> )	To be deleted from kit since not felt necessary by sheds. To be replaced on condition basis.
5	IOH	Insulating ring inner or insulating ring complete (inner) (Pt. no. G1218 & S1218) at sl. no. 2 of Annexure R4.( <b>Must Change item</b> )	-do-
6	IOH	Insulating ring outer or insulating ring complete (outer) (Pt. no. G1219 & S1219) at sl. no. 3 of Annexure R4.( <b>Must Change item</b> )	-do-
7	IOH	Insulating ring inner/outer or insulating ring complete (inner)/(outer) (Pt. no. G1218 & S1218) & (Pt. no. G1219) .( <b>Must Change item</b> )	To be deleted as it is a multi source item and to be replaced on condition basis.
8	IOH	& S1219) respectively at sl no. 18 & 19 of Annexure X3, sl. no. 18 & 19 of Annexure X4. <b>Must Change item</b>	-do-
9	POH	Silica gel (Pt. no. G3608 & S4711) at sl. no. 108 of Annexure S1, sl. no. 169 of Annexure X5, sl. no. 150 of Annexure X6. ( <b>Must Change item</b> )	To be deleted and shall be procured on the basis of requirement of shed.
10	Items to be replaced after 12 years	Complete Annexure Z1 containing 4 items ( <b>Must Change item</b> )	To be deleted from kit since requirement not felt necessary by sheds. To be replaced on condition basis.

*Amol*  
05/07/18