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सत्यमेव जयते

भारत सरकार, रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ-226 011

Government of India - Ministry of Railways
Research Designs & Standards
Organisation LUCKNOW – 226011



No- STT/RE/C/EC/337

Date: 01.04.2015

To,

महाप्रबंधक / संकेत एवं दूरसंचार,	1	GM/S&T
मध्य रेलवे, मुम्बई सी.एस.टी.।	i	Central Rly, Mumbai CST-400 001
पश्चिम रेलवे, चर्च गेट, मुम्बई।	ii	Western Rly, Churchgate, Mumbai-400020
पूर्व रेलवे, फेयरली प्लेस, कोलकाता।	iii	Eastern Rly, Fairlie Place, Kolkata- 700 001
दक्षिण पूर्व रेलवे, गार्डन रीच, कोलकाता।	iv	South Eastern Rly., Garden Reach, Kolkata-700043
उत्तर रेलवे, बड़ौदा हाउस, नई दिल्ली।	v	Northern Rly., Baroda House, New Delhi-110 001
पूर्वोत्तर रेलवे, गोरखपुर।	vi	Northeastern Rly., Gorakhpur -273 012
पूर्वोत्तर सीमान्त रेलवे, मालीगांव, गुवाहाटी।	vii	North Frontier Rly., Maligaon, Guwahati-781 011
दक्षिण रेलवे, पार्क टाउन, चेन्नई।	viii	Southern Rly., Park Town, Chennai -600 003
दक्षिण मध्य रेलवे, सिकन्द्राबाद।	ix	South Central Rly, Rail Nilayam, Secunderabad-500371
पूर्व मध्य रेलवे, हाजीपुर।	x	East Central Railway, Hazipur--844101
उत्तर पश्चिम रेलवे, जयपुर।	xi	North Western Railway, Jaipur-300206
पूर्व तटीय रेलवे, रेल विहार बी.डी.ए. रेन्टल कालोनी, चन्द्रशेखरपुर, भुवनेश्वर।	xii	East Coast Railway, Rail Vihar, BDA, Rental Colony, Chandra shekherpur, Bhubneshwar-751023
उत्तर मध्य रेलवे, हेस्टिंग रोड, इलाहाबाद।	xiii	North Central Railway, HQ's office (S&T Branch), Ganga Parisar, Subedarganj, Allahabad-211033.
दक्षिण पश्चिम रेलवे, मुख्य कार्यालय, हुबली।	xiv	South Western Railway, Headquarter Office, Hubli-580020
पश्चिम मध्य रेलवे, ओ0एस0डी0 कार्यालय, जबलपुर।	xv	West Central Railway, OSD Office, Jabalpur-482000.
दक्षिण पूर्वोमध्य रेलवे, आर0ई0 ऑफिस काम्पलेक्स, बिलासपुर।	xvi	South East Central Railway, R. E. Office Complex, Bilaspur-495004
महाप्रबंधक/ संकेत एवं दूरसंचार, कोर, नवाब युसुफ रोड सिविल लाइन्स इलाहाबाद।	2	The General Manager (S&T), CORE, Nawab Yusuf Road, Civil Lines, Allahabad- 211001
महाप्रबंधक/ संकेत एवं दूरसंचार, मेट्रो रेलवे, 33/1, चौरंगी रोड, कोलकाता।	3	The General Manager (S&T), Metro Railway, 33/1, Chowringhee Road, Kolkata 700 071
मुख्य प्रशानिक अधिकारी, आईआर – पीएमयू, शिवाजी ब्रिज, शंकर मार्केट के पीछे, नई दिल्ली	4	The CAO, IRPMU, Shivaji Bridge, Behind Shanker Market, New Delhi -110 001.
निदेशक / इरीसेट, सिकन्द्राबाद।	5	Director/IRISET/Lalaguda/Secunderabad.
महाप्रबंधक ;प्राजेक्ट, रेलटेल, बैंक आफ बड़ौदा बिल्डिंग, नई दिल्ली।	6	General Manager(Projects)/RAILTEL/Bank of Baroda, Building, Parliament Street, New Delhi.

Sub : Amendment No. 3 to specification No. IRS: TC 75/99
(with amendment no.1 & 2) for 4 Wire/ 2 Wire Portable
Control Telephone.

Amendment No. 3 to specification No. IRS: TC 75/99 (with amendment no.1 & 2) for 4 Wire/ 2 Wire Portable Control Telephone has been finalised and is being sent herewith for your information and reference please. This amendment No. 3 is effective from 01.04.2015.

राकेश सहारिया
(राकेश सहारिया)
कृते महा निदेशक/दूरसंचार

प्रतिलिपि :

का.का. निदेशक/गुणवत्ता आश्वासन, चौथी मंजिल, एनेक्सी-2, अ.अ.मा.सं., लखनऊ।	1	ED/QA(S&T), 4 th floor, Annexee-II, RDSO, Lucknow.
निदेशक (निरीक्षण)/ गुणवत्ता आश्वासन/सिगनल एवं दूरसंचार, अ0अ0मा0सं0, निकट इरकॉट, शंकर मार्केट के पीछे नई दिल्ली।	2	Director/QA/S&T/RDSO, Near IRCOT Building, 1st Floor, Behind Shanker Market, New Delhi-110001
निदेशक (निरीक्षण)/ गुणवत्ता आश्वासन / सिगनल एवं दूरसंचार अ0अ0मा0सं0, भूतल, जी0आर0एम0 ऑफिस., बंगलोर - 560 023।	3	Director/QA/ S&T/RDSO, Ground Floor, DRM's Office, Bangalore- 560023
निदेशक (निरीक्षण)/गुणवत्ता आश्वासन/संकेत एवं दूरसंचार, अ0अ0मा0सं0, प्रथम तल, न्यू एनेक्सी बिल्डिंग, चर्चगेट, पश्चिम रेलवे, मुम्बई।	4	Director/QA/S&T/RDSO, 1 st floor, New Annexie Building, Western Railway, Churchgate, Mumbai-400020
निदेशक (निरीक्षण)/ गुणवत्ता आश्वासन/सिगनल एवं दूरसंचार, अ0अ0मा0सं0, चौथी मंजिल, 17 एन.एस. रोड, वैस्ट विंग, फेयरली प्लेस, कोलकाता - 70001	5	Director/QA/S&T/RDSO, 4 th floor, West Wing, Fairlie Place, 17 N.S. Road, Kolkata - 700001
निदेशक (निरीक्षण)/ गुणवत्ता आश्वासन/सिगनल एवं दूरसंचार, अ0अ0मा0सं0, हसनपुरा रोड, रेलवे हास्पिटल के सामने, जयपुर - 302 006	6	Director/QA/S&T/RDSO, Hasanpura Road, In front of Railway Hospital, Jaipur - 302 006.
मैसर्स बेंट्रॉन पावर सिस्टम, 21/1 केदारनाथ चैटर्जी रोड, बेहाला, कोलकाता- 700034	7	M/s Bentron Power System, 21/1, Kedarnath Chatterjee Road, Behala, Kolkata-700034 Ph : 040-27120436, 27144114, 27123643 Fax: 040-27143532
मैसर्स एपसीलान इलेक्ट्रॉनिक इक्विपमेंट एंड कम्पोनेन्ट प्राइवेट लिमिटेड, बी-2, इलेक्ट्रॉनिक इंडस्ट्रियल इस्टेट, ई.सी.आई. एल. "X" रोड, हैदराबाद- 500 062 फैक्स नं0 040-27143532	8	M/s Epsilon Electronic Equipment & Components Pvt. Ltd., B-2, Electronic Industrial Estate, ECIL "X" Roads, Hyderabad - 500 062 Phone No. : 040-27120436/27144114 Telefax No. : 040-27143532
मैसर्स इंडस्ट्रियल इंस्ट्रुमेंट और कन्ट्रोल्स 8 अपट्रॉन स्टेट, पनकी, कानपुर - 208022	9	M/s Industrial Instruments & Controls 8, Uptron Estate, Panki, Kanpur-208022 Ph:0512-26915171, Fax:0512-2691881
फाइल सं. STT / G / VENDOR (75)	10	File No. STT / G / VENDOR (75)

राकेश सहारिया
(राकेश सहारिया)
कृते महा निदेशक/दूरसंचार

**Amendment No. 3 to Specification No. IRS:TC 75/99 (Amendment No. 1&2)
for 4 Wire/ 2 Wire Portable Control Telephone.**

S. No.	Cl. No.	Existing Clause	Amended Clause																																																		
1.	0.2	<p>This specification requires reference to the following Indian Railway Standard (IRS) and Indian Standard (IS) specifications:</p> <table border="1" data-bbox="407 485 956 1919"> <tr> <td data-bbox="407 485 581 558">IRS: S 23</td> <td data-bbox="581 485 956 558">Electrical Signalling & Interlocking equipment</td> </tr> <tr> <td data-bbox="407 558 581 667">IS : 104</td> <td data-bbox="581 558 956 667">Ready mixed paint, brushing, zinc chrome priming.</td> </tr> <tr> <td data-bbox="407 667 581 783">IS : 2074</td> <td data-bbox="581 667 956 783">Ready mixed paint, red oxide zinc chrome priming.</td> </tr> <tr> <td data-bbox="407 783 581 898">IS : 5608 (Pt. I & II)</td> <td data-bbox="581 783 956 898">Low frequency wires and cables with PVC insulation and sheath.</td> </tr> <tr> <td data-bbox="407 898 581 972">IS : 9128</td> <td data-bbox="581 898 956 972">Heavy Duty dry batteries.</td> </tr> <tr> <td data-bbox="407 972 581 1119">IS : 9000</td> <td data-bbox="581 972 956 1119">Basic environmental testing procedures for electronic and electrical items.</td> </tr> <tr> <td data-bbox="407 1119 581 1192">IRS:TC 74-97</td> <td data-bbox="581 1119 956 1192">Electrodynamic Transducer</td> </tr> <tr> <td data-bbox="407 1192 581 1266">IRS:TC 52-97</td> <td data-bbox="581 1192 956 1266">2-Wire Portable Control Telephone.</td> </tr> <tr> <td data-bbox="407 1266 581 1444">IRS:TC 34-97</td> <td data-bbox="581 1266 956 1444">4-Wire Emergency Control Telephone Used in 25 KV Electrified Area.</td> </tr> <tr> <td data-bbox="407 1444 581 1518">IRS:TC 42-87</td> <td data-bbox="581 1444 956 1518">Six pin plug.</td> </tr> <tr> <td data-bbox="407 1518 581 1612">IS : 319</td> <td data-bbox="581 1518 956 1612">Free cutting brass rods and sections.</td> </tr> <tr> <td data-bbox="407 1612 581 1686">IS : 1079</td> <td data-bbox="581 1612 956 1686">Hot rolled carbon steel sheet and strip.</td> </tr> <tr> <td data-bbox="407 1686 581 1780">IS : 4800</td> <td data-bbox="581 1686 956 1780">Enamelled round winding wire.</td> </tr> <tr> <td data-bbox="407 1780 581 1919">IS : 6297 (Pt. I & III)</td> <td data-bbox="581 1780 956 1919">Transformers and inductors (power, audio, pulse and switching) for electronic equipment.</td> </tr> </table>	IRS: S 23	Electrical Signalling & Interlocking equipment	IS : 104	Ready mixed paint, brushing, zinc chrome priming.	IS : 2074	Ready mixed paint, red oxide zinc chrome priming.	IS : 5608 (Pt. I & II)	Low frequency wires and cables with PVC insulation and sheath.	IS : 9128	Heavy Duty dry batteries.	IS : 9000	Basic environmental testing procedures for electronic and electrical items.	IRS:TC 74-97	Electrodynamic Transducer	IRS:TC 52-97	2-Wire Portable Control Telephone.	IRS:TC 34-97	4-Wire Emergency Control Telephone Used in 25 KV Electrified Area.	IRS:TC 42-87	Six pin plug.	IS : 319	Free cutting brass rods and sections.	IS : 1079	Hot rolled carbon steel sheet and strip.	IS : 4800	Enamelled round winding wire.	IS : 6297 (Pt. 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S. No.	Cl. No.	Existing Clause	Amended Clause
2.	4.4.2	The microswitch provided with handset shall be from LCSO/CACT approved sources having valid and current type approval certificate.	The Manufacturer of “microswitch provided with handset” shall have valid ISO 9000 certificate for manufacturing of this item. It shall be preferably procured from CACT /LCSO/ CDOT/ SISI (Small industries service institution) approved sources (if available).
3.	4.5.1	CACT approved Electrodynamic Transducer shall be used as a transmitter.	Electro Dynamic Transducer shall be used to perform function of transmitter. The Manufacturer of transmitter shall have valid ISO 9000 certificate for manufacturing of this item. Transmitters shall be preferably procured from CACT /LCSO/ CDOT/ SISI (Small industries service institution) approved sources (if available).
4.	4.6.1	Receiver shall be Electro dynamic transducer type procured from CACT approved Sources.	Electro Dynamic Transducers shall be used to perform function of receiver. The Manufacturer of receiver shall have valid ISO 9000 certificate for manufacturing of this item. Receiver shall be preferably procured from CACT /LCSO/ CDOT/ SISI (Small industries service institution) approved sources (if available).
5.	6.6.2 (e)	Type test on Electrodynamic transducer as per clause 9 of IRS: TC 74-97 shall be carried out. If the Electrodynamic Transducer used as transmitter & receiver in 4 Wire/2 Wire portable control telephone is procured from the CACT approved sources, then the type test specified in clause 9 of specification of IRS TC: 74-97 need not to be carried out.	Deleted