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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 – 226011



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1.	The PCSTE.:	प्रि.सी.एस.टी.ई.:
(i)	Central Rly., Mumbai, CST – 400001	मध्य रेलवे, मुम्बई सी.एस.टी.– 400 001
(ii)	Western Rly, Churchgate, Mumbai – 400020	पश्चिम रेलवे, चर्च गेट, मुम्बई – 400 020
(iii)	Eastern Rly., Fairlie Place, Kolkata 700001	पूर्व रेलवे, फेयरली प्लेस, कोलकाता – 700 001
(iv)	South Eastern Rly., Garden Reach, Kolkata	दक्षिण पूर्व रेलवे, गार्डन रीच, कोलकाता-700 043
(v)	Northern Rly. Baroda House, New Delhi-110001	उत्तर रेलवे, बड़ौदा हाउस, नई दिल्ली-110001
(vi)	North Eastern Rly., Gorakhpur- 273012	पूर्वोत्तर रेलवे, गोरखपुर – 273012
(vii)	North East Frontier Rly., Maligaon, Guwahati	पूर्वोत्तर सीमान्त रेलवे, मालीगांव, गुवाहाटी – 781011
(viii)	Southern Rly. Park Town, Chennai – 600003	दक्षिण रेलवे, पार्क टाउन, चेन्नई – 600 003
(ix)	South Central Rly., Secunderabad – 500371	दक्षिण मध्य रेलवे, सिकन्दराबाद –500371
(x)	East Central Railway, Hajipur	पूर्व मध्य रेलवे, हाजीपुर
(xi)	East Coast Railway, Rail Vihar BDA Rental Colony, Chandrasekharapur, Bhubneshwar	पूर्व तटीय रेलवे, रेल विहार बी.डी.ए. रेंटल कालोनी, चन्द्रशेखरपुर, भुवनेश्वर-751023
(xii)	North Central Railway, Hastings Road, Allahabad.	उत्तर मध्य रेलवे, हेस्टिंग रोड, इलाहाबाद
(xiii)	North Western Railway, Jaipur – 300206	उत्तर पश्चिम रेलवे, जयपुर-300206
(xiv)	South Western Railway, Club Road, Keshavpur, Hubli - 23.	दक्षिण पश्चिम रेलवे, क्लब रोड, केशवपुर, हुबली-23
(xv)	West Central Railway, Annex Building, Opp Indira Market, Jabalpur-482068	पश्चिम मध्य रेलवे, एनेक्स भवन, जबलपुर
(xvi)	South East Central Railway, R.E. Office Complex, Bilaspur – 495004	दक्षिण पूर्व मध्य रेलवे, आर0ई0 ऑफिस काम्पलेक्स, बिलासपुर- 495004
2.	PCSTE, Metro Railway, 23-A, Jawaharlal Nehru Road, Kolkata – 700071	पी.सी.एस.टी.ई./ मेट्रो रेलवे, 23-ए, जवाहर लाल नेहरू रोड, कोलकाता – 71
3.	PCSTE, CORE, Nawab Yusuf Ali Road, Civil Lines, Allahabad	पी.सी.एस.टी.ई./ कोर, नवाब यूसुफ अली रोड, सिविल लाइन्स, इलाहाबाद-211001
4.	Director General, IRISSET, Tarnaka Road, Lallaguda (P.O.), Secunderabad-500 017	महानिदेशक / इरीसेट / सिकंदराबाद-500017
5.	CMD, RailTel Corporation of India Ltd., 10 th Floor, Bank of Baroda Building, Parliament Street, New Delhi	मुख्य प्रबन्ध निदेशक, रेलटेल कार्पोरेशन आफ इन्डिया लिमिटेड, 10वीं मंजिल, बैंक आफ बड़ौदा भवन, पार्लियामेंट स्ट्रीट, नई दिल्ली

Sub.: Revised List of Minimum Essential Telecom Equipments to be kept in Accident Relief Trains (ART's).

Ref : Railway Board Letter No. C-18013/1/2020-Tele (3316334) dated 13.05.2021.

Revised List of Minimum Essential Telecom Equipments to be kept in Accident Relief Trains (ART's) as approved by Railway Board vide letter under reference is communicated to all the Zonal Railways for necessary action please.

DA: As above.

(N.K.Varma)
Director/Telecom-I

Copy To:

Secretary/Telecom Railway Board, Rail : For information please.
Bhawan New Delhi

List of Minimum Essential Telecom Equipments To Be Kept In
Accident Relief Trains (ARTs)**A) General (Common for RE as well as Non RE Area)**

S.No.	Final Item	Final Qty.
1.	Inspection Book, latest copy of WTT for all sections covered by ART.	1 No.
2 (a)	Desk Type Electronic Magneto Telephone	4 Nos.
2 (b)	Torch Cells R-20 size, 1.5V for Desk Type Electronic Magneto Telephone	12 Nos.
3.	PVC Insulated, PVC Sheathed twin core cable	500 Mtrs.
4.	Microphones for cordless PA system	2 Nos.
5.	Loudspeaker Horn type 5/10 Watts	2 Nos.
6 (a)	Amplifier of minimum 20 watts Power output (having interface for cordless microphone) and operating voltage of 12 VDC	2 Nos.
6 (b)	12 Volts Storage battery for 6(a) alongwith appropriate Battery charger	2 Sets.
7.	Megaphones complete with batteries (minimum 10 watts each)	4 Nos.
8.	Portable stand for loudspeaker with adjustable height from 1.5m to 3m.	2 Nos.
9.	Field service telephone cable PVC insulated (D-8) alongwith 6 pin Emergency Plug	4 Drums of 500 Mtrs. each.
10.	Push button Caller ID Phone	4 Nos.
11 (a)	Walkie-Talkie Sets (5Watts-VHF) with 100% spare batteries.	30 Nos.
11 (b)	Battery Charger for 11(a) (two position charger with rapid charging)	8 Nos.
12.	Digital Multimeter	2 Nos.
13.	Power extension Board with drum (50mts) with adequate points.	4 Nos.
14.	Hand held Rechargeable LED Torch	4 Nos.
15.	Joining Kit & material for cables and wires- This is required to be decided by the Railways themselves according to their local needs for different ARTs.	

16.	Tool Box Containing	2 Sets.
16 (a)	Soldering Iron-10W/12Volts, 10W/220Volts & 65W/220Voits	1 No. each
16 (b)	Long Nose Plier-200 mm	1 No.
16 (c)	Cutter Diagonal-200 mm	1 No.
16 (d)	Box Spanner 6, 6.5 & 5 mm	1 No. each
16 (e)	Hammer Steel 750 grams	1 No.
16 (f)	Hammer Wooden	1 No.
16 (g)	Adjustable Spanner 300 mm	1 No.
16 (h)	Screw Driver-200 mm	1 No.
16 (i)	Screw Driver-250 mm	1 No.
16 (j)	Mains Tester (230 Volts)	1 No.
16 (k)	Electrical Insulation Tape 12 mm x 15 meters	2 Nos.
16 (l)	Rasin Core	500 grams.
16 (m)	Combination Plier	1 Nos.
17.	Portable Digital Voice Recorder with inbuilt microphone and playback with sufficient memory and provision of data transfer through Pen drive/Hard Disk.	2 Nos.
18.	4 Wire way station equipment with control phone.	2 Nos.
19.	Smart Phone with charger and SIM of different service provider (Minimum requirements 6 inch display, 4G, VoLTE, Dual SIM, 4GB RAM and 128GB memory)	4 Nos.
20.	Satellite Phone (SAT Phone/ISAT phone2/Inmarsat Phone) which supports audio & text features with charging unit.	1 No.
21.	All in one color inkjet printer (A4 size paper) with Fax, Scan, Copy and print facility.	1 No.
22.	Auto Dialling System from Emergency Socket	1 No.
23.	CAT -6 cable along with required accessories	2 box of 305 meters each
24.	Laptop with required configuration and accessories to suit communication needs at accident site.	1 No.
25.	Hot Spot 4G Dongle (Different Service Provider)	4 Nos.
26.	Power Bank of 30000 mAH for mobile charging	4 Nos.
27.	FCT with SIM of different service provider	4 Nos.

28.	6 Core flexible OFC Cable for outdoor purpose	500 mtrs.
29.	24 fibre OFC Splice enclosure	2 Nos.
30.	LAN Extender for extending Ethernet	2 Pair.
31.	Rechargeable LED Search Light	2 Nos.
32.	VHF Set (Duplex) of 25W each with interface of telephone, accessories including telescopic pole/mast, Antenna-GP Type and battery	1 Set.
33.	Folding Table	2 Nos.
34.	Chair	6 Nos.
35.	Beach/Garden Umbrella	2 Nos.
36.	Lightweight prefabricated Water Proof Tent/ Tent kabuli (medium)	1 No.
37.	Telecom Cable Route plan of Division	1 No.
38.	Set up for Live Streaming of Video from Accident site to be provided as per latest RDSO specifications/guidelines for Accident Site Communication.	1 Set.
39.	MTRC mobile handset for MTRC covered area	2 Nos
40.	4Wire Portable Control Telephone with dry cells	2 Sets.
41.	1:1 isolating Transformer	2 Nos.
42.	V-SAT terminal set *	1 Set.
43.	Single/Multi SIM LTE Router Operating Voltage 12 VDC & with PoE Port with LTE Data SIM(s).	1 Set.

* V-SAT terminals have been provided in 68 Divisional ARTs (43 manual tracking and 25 auto tracking) with Indian Railways own V-SAT hub at New Delhi. Existing V-SAT Terminal set to be continued till its Codal life/working or further instructions from the Board.

B) Specific Equipments Required for ARTs having beats in Non-RE area having overhead lines

S.No.	Final Item	Final Qty.
1.	2 Wire Portable Control Telephone with dry cells and telescopic pole of minimum 6 meters height with its bracket opening space atleast 350 mm.	2 Nos.
2.	Overhead control alignment charts	1 Set.