

Minutes of Meeting held on 11.04.22 with CCEs through Video Conferencing.

A meeting of CCEs/All Zonal Railways was held on 11.04.22 through VC.

List of Participant is Annexed

Following are the Minutes of Meeting:-

| S.No | MoM | Action by |
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| 1 | Address by Consultant/Ministry of Railways | |
| (i) | Consultant/Ministry of Railways complimented CCEs for their role/achievements & initiatives in Telecom. The Role of Telecom is becoming more important and crucial and there is a need for all Telecom officials to gear up for emerging challenges. | |
| (ii) | PoC for LTE by CDoT, SCR & RDSO has been initiated which is very critical for MTRC and Kavach. Same should be upgradable to 3GPP Release 15/16. | ED/TD |
| (iii) | Although we are ushering in new technologies in Telecom with adequate redundancies, but still there is a need to return to basics in Maintenance of assets. | PCSTE All Zonal Railways |
| (iv) | Railways must strive to eliminate the requirement of laying Quad. Need of Emergency Sockets may also be reviewed in light of availability of MTRC, CUG Coverage and VHF Communication. | Dir/Tele/Railway Board |
| (v) | OFC cuts are unacceptable. OFC serves as the backbone for all Telecommunication and therefore it should be ensured that OFC cuts are prevented by adequate protection in digging work near tracks, proper patrolling, coordination and monitoring at Zonal level. | PCSTE All Zonal Railways CMD/RCIL |
| (vi) | E-DAS has been implemented in some zones. Details as to how the changes in version of ESP/SIP are being kept in E-DAS may be shared. | CMD RCIL PCSTE SCR |
| (vii) | In future, with the proliferation of Remote Monitoring and Diagnostics, rolling stock, traction, station assets | ED/TD |

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| | and track side devices need to be connected on IoT. Due to this massive requirement of IoT, IPv4 addresses might not be sufficient. This will necessitate adoption of IPv6. It's a good initiative by Railways to start working now on adoption of IPv6, which is also more secure. | |
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| S.NO | Item | Action by |
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| 2 | <u>Address by AM/Telecom:-</u> | |
| (i) | AM/Telecom complemented all CCEs/Zonal Railways and Telecom staff for the achievements made during FY-2021-22. | |
| (ii) | Different Railways have come up with innovative solutions in Telecom & same need to be propagated to other Zonal Railways by sharing through emails/letters/uploading on site/conducting workshops and trainings. Best practices evolved and innovative solutions also need to be put in CCEs group for benefit of other Railways. | PCSTEs All Zonal Railways |
| (iii) | The FY 21-22 data given in the Presentations submitted by Zonal Railways to Railway Board has been reviewed and some discrepancies have been noted. Zonal Railways to rectify the same. CCEs Zonal Railways must personally ensure the authenticity of the data before forwarding it to Board. | PCSTEs All Zonal Railways |
| (iv) | POC of LTE is under process by RDSO, C-DoT & SCR at 4 stations of SCR. Same needs to be expeditiously concluded and atleast Mission Critical Voice need to be demonstrated by month end. | EDTD |
| (v) | RCIL has not issued equity to Zonal Railways for the OFC handed over, since more than 10 years. Zonal Railways to compile the section wise data along with the actual cost of the OFC handed over to RCIL and share it with RCIL and Railway Board. | PCSTEs All Zonal Railways |

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| (vi) | V-SATs have also been utilized for FOIS/PRS/UTS connectivity. Wherever OFC connectivity with adequate redundancy as per Railway Board guidelines, is available, VSATs need to be surrendered immediately. | PCSTEs All Zonal Railways |
| (vii) | Northern Railway has the largest number of V-SATs working on VSAT Hub. Same need to be reviewed by Northern Railway and surrendered wherever feasible. | PCSTE NR |
| (viii) | V-Sat Hub at Thompson Road, New Delhi is yet to be taken over by Northern Railway from NCR. NCR has agreed to handover the staff working in VSAT Hub to NR. The handing over/taking over needs to be expedited by NCR and NR and completed by 31 st May, 2022. | PCSTEs NR and NCR |
| (ix) | Expenditure allocated for Telecom needs to be utilized judiciously by Zonal Railways. | PCSTEs All Zonal Railways |
| (x) | New Tender for CUG contract is under finalisation and Telecom staff involved in CUG Signal survey needs to be properly trained for measuring signal strength network coverage. Such staff shall be mandatorily deputed to attend the trainings being organised by IRISSET, Railway Board etc. | PCSTEs All Zonal Railways |
| (xi) | As there are rapid changes in technology in Telecom, adequate focus should be there on training of Telecom staff. Workshops/Seminars/Webinars/Trainings should be frequently organized to keep the officials abreast of new emerging technologies. | DG/IRISSET |

Zonal Railways' Review:-

| Rly | Item | Action by |
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| WR | (i) Restoration time for OFC/Quad is high and same needs to be looked into. Staff be trained & provided with Vehicles for early restoration of cuts. | PCSTE/W R |
| | (ii) It was informed that patrolling through trains was being done in sections to monitor digging works near Railway tracks. Such patrolling needs to be done in co-ordination with RCIL & RCIL staff may also be advised to intimate test room before proceeding on patrolling. | PCSTE/All Zonal Railways |
| | (iii) JPO provisions as per Telecom Circular no. 17/2013 needs to be strictly enforced by Zonal Railway and implemented at ground level for preventing cable cuts. Penalty to be levied & realised in case of cable cuts due to the fault of contractors. Weekly position of OFC & Quad cable cut to be monitored by PCSTEs. | PCSTE/All Zonal Railways |
| | (iv) OTDR is being utilized for locating OFC cuts/faults. Multiple Cuts in OFC cable lead to splicing loses thereby degrading the quality of signal. Over a period of time this degradation crosses the permissible limits. In such cases the patch of OFC having multiple joints needs to be replaced by a single OFC patch to reduce the splicing loses. Zonal Railways shall monitor such patches having multiple joints during OFC measurements and advise RCIL to replace them with a single OFC cable when the loses are beyond the permissible limits. The cost of replacement of such patches is included in the OFC maintenance cost being paid by Zonal Railways to RCIL. | CMD/RCI L and PCSTEs All Zonal Railways |

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| SR | <p>(i) All Railway units to ensure that for CCTV surveillance systems, Government of India guidelines regarding security concerns as issued by Railway Board letter dated 04.04.22 are adhered to besides the DPIIT policy on Preference to Make in India and changes in GFR-2017 pertaining to Land Boundary countries.</p> <p>(ii) There was difference in OFC & Quad cable data. OFC shows 4975 RKMs whereas Quad cable showed 4866 RKMs. This difference may be <u>looked</u> into.</p> <p>(iii) Details of vendors/firms repairing Manual tracking Antenna type ART VSATs may be shared with all Zonal Railways</p> <p>(iv) All Zonal Railways to provide the details of VHF sets available with Crews and type of distribution done at Division level i.e. on Individual basis or Pooled basis</p> | <p>PCSTE/All Zonal Railways</p> <p>PCSTE/SR</p> <p>PCSTE/All Zonal Railways</p> |
| SCR | <p>VHF sets battery need to be replaced on priority basis after procurement from suitable vendor as per RDSO guidelines.</p> | <p>PCSTE/SC R</p> |
| SWR | <p>(i) A system of automatic testing of Emergency Sockets may be developed by Zonal Railways to save resources.</p> <p>(ii) Trials on IPv6 implementation are being done at IRISSET. Zonal Railways to ensure that the network equipment and End User equipment like Server, Workstations etc are IPv6 compliant so that there are no hurdles in implementation of IPv6 once these trials are successful.</p> <p>(iii) Safe limits for induced voltage for UFSBI and Axle counter may be provided by RDSO at the earliest</p> | <p>PCSTE/All Zonal Railways</p> <p>PCSTE/All Zonal Railways</p> <p>ED/Signal/RDSO</p> |
| NER | <p>(i) PA systems & clocks to be expeditiously provided at all eligible stations as per MEA .</p> <p>(ii) Internet Bandwidth/network issues in NER need to be resolved at the earliest.</p> | <p>PCSTE/NER</p> <p>PCSTE/NER</p> |

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| NCR | <p>(i) All CCEs to study the maintenance schedule report submitted by Committee and submit their comment, if any.</p> <p>(ii) OFC based Rail fracture Intrusion detection system has been commissioned in NCR.</p> <p>(iii) Coach Guidance Display Systems are being deployed on commercial basis also by NCR wherein Telecom Infrastructure is being provided by S&T and Advertising part is being dealt by Commercial. Such a model can be adopted in other Railways also, wherever the opportunity to earn revenue exists.</p> | <p>PCSTE/All Zonal Railways</p> <p>PCSTEs/A II Zonal Railways</p> |
| NFR | <p>(i) Host Admins for Web based VC tool VCDOT(developed by CDOT) have been created for all Zonal Railways free of any cost. Same needs to be utilized for conducting most VCs by Zonal Railways.</p> <p>(ii) A system for Predictive Maintenance for S&T gears has been commissioned by NFR. Details of Software utilized and its source i.e Open Source or Proprietary may be shared.</p> | <p>PCSTEs/A II Zonal Railways</p> <p>PCSTE/NFR</p> |
| NR | <p>(i) OFC works progress over NR is very slow and need to be expedited. Tender for remaining OFC Works need to be in place. Any delay in execution due to Contractor also needs to be taken up immediately, as per Contractual provisions, so that the OFC targets are not delayed.</p> <p>(ii) If the essential Passenger Amenities works are not getting sanctioned either due to paucity of funds or other reasons, then Zonal Railways may timely intimate to Railway Board through correspondence.</p> <p>(iii) NR was advised to conduct a trial for the checking the performance of Sanchar make VHF sets. The results of the trial may be shared at the earliest.</p> | <p>PCSTE/NR</p> <p>PCSTEs/A II Zonal Railways</p> <p>PCSTE/NR</p> |

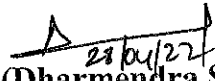
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| ECR | <p>(i) A presentation on Drone was given by CCE/ECR which provided very informative insight into technical, regulatory and other aspects of Drone. Usage of Drones in Railways is likely to gain more traction with the new regulatory framework of Ministry of Civil Aviation.</p> <p>(ii) In ECR PA systems, Clocks and TIBs have been provided at all eligible stations as per MEA guidelines.</p> | <p>PCSTEs/A II Zonal Railways</p> <p>PCSTE/E CR</p> |
| <u>Issues Raised by Zonal Railways</u> | | |
| Rly | <u>Item</u> | Action by |
| CR | <p>(i) CCE/CR apprised that RCIL has provided two VG routers in 2 divisions. For remaining 2 divisions also either VG routers should be made be available by RCIL or letter indicating its inability to provide the same be made available to CR.</p> <p>ii) MEA works of PAE system and clocks costing approx. Rs. 5 crores under umbrella has been sent for approval. Approval of the same is still awaited.</p> | <p>CMD/RCI L</p> <p>ED/TD/RB</p> |
| ER | <p>CCE/ER informed that though IP-MPLS contract has been awarded, however, Railway is having problem in getting IP-MPLS equipment inspected by RDSO.</p> <p>ER was advised to give test format to RDSO so that inspection can be accordingly done by them. Further, still if RDSO fails to undertake this inspection, PCSTE is competent to change inspection clause to third party. It is also clarified that CN Labs, Bangalore undertakes such type of inspection for TEC and may be approached for guidance.</p> | <p>SrED/RDS O & PCSTE/E CR</p> |
| NCR | <p>CCE/NCR requested for a training session on filling up PCDO as lot of changes have taken place in PCDO.</p> <p>The same was decided for 20.04.2022. Shri Rajiv Dubey, SSE and Shri VP Singh, SSE/Tele, under Director(Tele), will impart training to all the SSE/JE of Zonal HQ and of divisional level. All CCE's must ensure 100% participation.</p> | <p>Dir/Tele/R B</p> |

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| NER | <p>CCE/NER requested for expediting WPC clearance for procurement of 425 Nos. of VHFsets.</p> <p>Dir(Tele) informed that the WPC will be chased for the licence from Railway Board.</p> | Dir/Tele/R B |
| NR | <p>(i) CCE/NR requested for a letter for transferring VSAT from NCR to NR. All the existing manpower manning VSAT along with valid AMC needs to be handed over to NR.</p> <p>Railway was advised to refer to correspondence of 2019 and the recent discussions held in CCE's meeting on 24.02.2022.</p> <p>(ii) Zonal Railway informed that tender for procurement of 1572 Nos. VHF sets is to be opened on 18.04.2022. Clarification regarding battery is requested early.</p> <p>RDSO has been asked to give clarification regarding use of Li-ion battery by 16.04.22. To facilitate the same, all Zonal Railways must send their comments to RDSO on use of Li-ion battery by 15.04.2022.</p> | <p>PCSTE/N R and PCSTE/N CR</p> <p>ED/Tele/R DSO</p> |
| NWR | <p>CCE/NWR requested for:-</p> <p>(i) VC 'ping' functionality be extended upto NOC.</p> <p>(ii) Lists of items to be kept in SPART is yet to be received. A Committee comprising of CCE/NWR along with CCE/NER and CCE/CR should deliberate and recommend the same by 12.05.2022. Director/Tele to issue instructions for nomination of the committee.</p> <p>(iii) Validity of 2019 guidelines on VSS was desired. It was confirmed that latest guidelines of MII and security concerns must be followed.</p> | <p>CMD/RCI L</p> <p>PCSTE/N WR,PCST E/NER and PCSTE/C R PCSTE/All Zonal Railways</p> |

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| SCR | <p>CCE/SCR requested for solution for procurement of VHF sets since for the last one year, the supplier M/s Vertel is not able to get RDSO inspection done for VHF sets.</p> <p>It was apprised to SCR that if the firm is not able to supply product as per tender conditions, after giving reasonable time to supply the material, the contract should be logically concluded.</p> | PCSTE/SCR |
| SER | Nil | |
| SR | <p>CCE/SR requested for a solution for procurement of CCTV equipment in the recently awarded contract.</p> <p>It was informed that the Zonal Railway may get in touch with the concerned officers of RCIL who have got PoC trial successfully done for their work of provision of CCTV systems at stations.</p> | PCSTE/SR |
| SWR | <p>(i) CCE/South Western Railway indicated that OFC infra at 9 locations has been provided and Wi-fi is required to be installed there.</p> <p>All Zonal Railways were asked to submit their requirement of wifi, where OFC infrastructure is available so that Board can take a decision regarding installation of WiFi.</p> <p>(ii) Clarification in connection with PTCC's observation for induced voltage effect on UFSBI and SSBPAC is needed from RDSO Signalling Directorate. Further, DoT be requested to revise PTCC manual.</p> <p>It was informed by Dir(Tele) that the manual is already under revision and will include new equipments. Also, RDSO has been asked to issue necessary clarification</p> | <p>PCSTE/All Zonal Railways and ED/TD</p> <p>ED/Signal/RDSO</p> |
| WR | <p>CCE/WR asked for expenditure details from concerned Railways viz CR, NR, NCR, NER and NFR in Umbrella work of OFC (item 596 of 2022-23).</p> <p>Similar action may be taken by other Zonal Railways who have got the umbrella sanctioned in their Pink Book.</p> | PCSTEs CR, NR, NCR, NER and NFR |

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| Metro Railway | <p>PCSTE/Metro Railway informed that</p> <p>(i) Exchange tender has been invited with MII policy.</p> <p>(ii) Also, Tetra work is sanctioned and work will be taken up.</p> <p>(iii) More revenue fund is required for undertaking AMC because new assets have been added and warranty period of equipment is over.</p> | <p>PCSTE/M ETRO</p> <p>PCSTE/M ETRO and Dir/Tele/R B</p> |
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The Meeting ended with a Vote of Thanks to Consultant/Ministry of Railways and AM/Tele/RB.


 (Dharmendra Singh)
 Director (Telecom)

E-File No: C-22011/1/2021-DIR-TELE(3375015)

Dated: 28/04/2022

Copy to:-

- i. PPS to Consultant/MoR for kind information of Consultant/MoR
- ii. DG/RDSO and IRISSET.
- iii. PCSTE/All Zonal Railways.
- iv. CMD, RCIL.