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**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)**

No. 2003/Tele/RCIL/1 Pt.IX

New Delhi, Dated 14.01.2022

**General Managers,  
All Indian Railways**

**Sub: Procedure for undertaking digging work in the vicinity of Signaling, Electrical and Telecommunication Cable.**

**Ref: Board's Letter of even number dated 24.06.2013. (Copy Attached)**

PCSTE  
PCE  
CAOLC  
PCE  
AEDRMS

In order to avoid incidents of cable cut, a Joint Procedure Order (JPO) regarding the digging work in the vicinity of Signaling, Electrical and Telecommunication cables was issued vide this office letter of even number dated 24.06.2013 (Telecom Circular No. 17/2013). A cable cut reduces the life of cable, degrades the quality of services running on it besides causing financial loss to Railways on account of disruption of train services.

Adherence  
to JPO to  
be ensured  
18/01

Instances of cable cuts during construction/digging work are being noticed in Zonal Railways mainly due to lack of requisite coordination between the concerned departments. The non-adherence to the provisions of JPO and loss to public Exchequer due to non-realisation of penalty from the contractor has come under increased scrutiny of the Comptroller and Auditor General of India and has attracted adverse criticism. Audit Para No. 3.9 of C&AG's Report No.5 of 2021 and Provisional para No.26 of C&AG's report for the year ending 31st March, 2020 can be referred in this regard.

Zonal Railways are, therefore, advised that the provisions of JPO for undertaking digging work in the vicinity of Signaling, Electrical and Telecommunication cables be strictly adhered to and penalty be realised from the erring contractor by the concerned department.

Kindly acknowledge receipt.

**DA: As above**

Signed by Dharmendra  
Singh  
Date: 14-01-2022 16:12:17  
(Dharmendra Singh)  
Director Telecom

**Copy to:**

- i. PCSTEs All Indian Railways.
- ii. CMD/RCIL



GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)

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No.2003/Tele/RCIL/1 Pt.IX

New Delhi dated 24.06.2013

General Managers,  
All Indian Railways.

Telecom Circular No. 17/2013

Sub: Procedure for undertaking digging work in the vicinity of Signaling,  
Electrical and Telecommunication Cable.

JPO No. 1/Sig/2004 dated 16.12.2004 issued by Board on the subject matter was reviewed in consultation with Signal, Electrical, Civil Engineering and Works Directorates of Board.

2. The same has now been finalized and a copy of the Revised Joint Procedure Order duly signed by ED/TD, EDCE/P, ED/SD, ED/W and EDEE/M is attached for compliance.

3. Please acknowledge receipt.

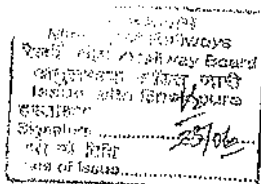
DA: 1 in 5 pages.

(Rakesh Ranjan)  
Director(Telecom).

## Copy to:-

- i) ED/TD, EDCE/P, ED/SD, ED/W and EDEE/M
- ii) CSTEs, All Indian Railways
- iii) CSTEs/Construction, All Indian Railways
- iv) ED/Tele, RDSO, Lucknow
- v) MD/RCIL, 143, Institutional Area, Sector 44,  
Gurgaon - 122003.Haryana.

o/c





Annexure to Telecommunication Circular No. 17/2013

**JOINT PROCEDURE ORDER FOR UNDERTAKING DIGGING WORK  
IN THE VICINITY OF UNDERGROUND SIGNALING, ELECTRICAL &  
TELECOMMUNICATION CABLES.**

- A. A number of Engineering works in connection with gauge conversion/doubling/third line are in progress on various Railways, which require extensive digging work near the running track, in close vicinity of the working S&T cables carrying vital safety circuits as well as electrical cables feeding the power supply to cabins, ASM room, RRI Cabin, Intermediate Block Huts (IBH) etc. Similarly, S&T organisation under open line or construction units under CAO/C, are executing various Signaling and Telecom works requiring digging of earth for laying of cables or casting of foundations for the erection of signal posts etc. RailTel is also executing the work of laying of quad cable and OFC on various Railways as a part of sanctioned works for exclusive use of Railways for carrying voice and data, i.e. administrative and control communication, PRS, FOIS etc. or shared by RailTel Corporation of India Ltd. On certain sections digging is also required for laying of electrical cable and casting of foundation for the erection of OHE masts by Electrical Deptt. Generally, these works are executed by contractors employed by these organisations.
- B. However, while carrying out these works in the vicinity of working signaling, telecommunication and electrical cables, at times, cable cuts take place due to JCB machines working along the track or during the digging work being done by contractors carrying out the Civil Engineering works. Similarly, such cable cuts are also resulting due to works undertaken by S&T or Electrical departments. Such cable faults result in the failure of vital signaling and telecommunication circuits & electrical installations.
- C. Henceforth, the following joint procedure shall be followed by Engineering, Electrical and S&T (and RailTel organisation, wherever such works are being done by them) officers of the respective divisions and by the construction organisation, while carrying out any digging work near to existing signaling & telecommunication and electrical cables, so that the instances of cable cut due to execution of works, can be controlled and minimized.
- I. S&T department (and RailTel, where they have laid the cables) and Electrical department shall provide a detailed cable route plan showing exact location of cable at an interval of 200 m or wherever there is change in alignment so that the same is located easily, by the Engineering official/contractor. In addition, S&T department and Electrical department shall also provide cable markers along the alignment of the cable. These cable route plans shall be made available to the Sr.DEN/DEN or Dy.CE/C, as the case may be, by Sr. DSTE/DSTE or Sr.DEE/DEE of the divisions or Dy. CSTE/C or Dy. CEE/C within 15 days in

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ED/TO

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ED/CEA

duplicate. Sr. DEN/DEN or Dy.CE/C will send copies to their field unit i.e. AEN/SE/P. Way & Works.

2. Before taking up any digging activity on a particular work by any agency, Sr. DSTE/DSTE or Sr.DEE/DEE of the section shall be approached in writing by the concerned Engg. or S&T or Electrical officer for permitting to undertake the work. Sr.DSTE/DSTE or Sr.DEE/DEE, after ensuring that the concerned executing agencies including the contractor have fully understood the S&T and Electrical cable route plan, shall permit the work in writing within 7 days of the request by concerned department.
3. After getting the permission from S&T or Electrical department as the case may be, the relevant portion of the cable route plan shall be attached to the letter ~~through which permission is issued to the contractor by concerned Engg. official~~ for commencement of work and ensuring that the contractors have fully understood the cable route plan and precautions to be taken to prevent damage to the underground cables. The contractor shall be asked to study the cable plan and follow it meticulously to ensure that the safety of the cable is not endangered. Such a provision, including any penalty for default, should form part of agreement also. It is advisable that a suitable post of SE/Sig or SE/Tele or SE/Electrical(TRD or G) shall be created chargeable to the estimates of doubling/gauge conversion, who can help Engg. agencies in the execution of the work. However basic responsibility will be of the department executing the work and the contractor. Creation of posts is not mandatory.
4. The SE/P.Way or SE/Works shall pass on the information to the concerned SE/Sig. or SE/Tele or SE/Electrical(TRD or G) about the works being taken up by the contractors in their sections at least 3 days in advance of the day of the work. In addition Engineering control shall also be informed by SE/P.Way or SE/Works, who in turn shall pass on the information to the test room/network operation center of RailTel/TPC/Electrical control.
5. On receiving the above information, SE/Sig or SE/Tele or SE/Electrical(TRD or G) shall visit the site on or before the date of taking up the work and issue permission to the contractor to commence the work after checking that adequate precautions have been taken to avoid the damage to the cables. The permission shall be granted within 3 days of submission of such requests.
6. The name of the contractor, his contact telephone number, the nature of the work shall be notified in the Engineering control as soon as the concerned Engineering officials issue the letter authorizing commencement of work to the contractor. Test room shall be given copies. Test room shall collect any further details from the Engineering control and shall pass it on to S&T/RailTel & Electrical officials regularly. In case the supervisors of concerned departments do not turn up on the day as advised in terms of para 4 and 5 above, the works of contractor should not be stopped on this account.

ED/TD

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ED/CPD

ED/W

ED/CPM

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7. In case of works being taken up by the State Government, National Highway Authority etc., the details of the permission given i.e. the nature of work, kilometer etc. be given to the Engineering control including the contact person's number so that the work can be done in a planned manner. The permission letter shall indicate the contact numbers of Test room/Network Operating Centre of RailTel/TPC/Elect. Control.
8. Where the nature of the work taken up by the Engineering department is such that the OFC or other S&T cables or Electrical cables is to be shifted and relocated, notice of minimum one week shall be given so that the Division/RailTel/Construction can plan the works properly for shifting. Such shifting works shall in addition, for security and integrity of the cables, be supervised by S&T supervisors/RailTel supervisors/Electrical supervisors.
9. The concerned SE/P. Way/SE/Works/SE/Sig/SE/Tele/ SE/Electrical(TRD or G) or RailTel supervisors supervising the work of the contractor shall ensure that the existing emergency sockets are not damaged in view of their importance in providing communication during accident/emergency.
10. In case of minor nature of works where shifting of cable is not required, in order to prevent damage to the cable, the Engineering contractor shall take out the S&T or optical fibre cable or Electrical cable carefully from the trench and place it properly alongside at a safe location before starting the earthwork under the supervision of SE/Sig. or SE/Tele or SE/Electrical(TRD or G). The cable shall be reburied soon after completion of excavation with proper care including placement of the brick over the cable under the supervision of S&T or Electrical supervisors. However, the work will be charged to the concerned engineering works. The responsibility for ensuring availability of SE (Signal), SE (Electrical) as per para 4 and 5 above lies with the respective department. The contractor will go ahead with the shifting of cables as per the program decided and he will not be held responsible for any cable cut.
11. In all the sections where major project are to be taken up/going on RailTel/S&T department shall deploy their official to take preventive/corrective action at site of work. As regards Electrical Department, the official may be deputed on need basis.
12. No new OFC or quad cable shall be laid close to the existing track. It shall be laid close to the Railway boundary on one side of the Railway track to the extent possible to avoid any interference with the future works (doubling etc.). It shall be ensured in the new works of cable laying that the cable route is properly identified with electronic or concrete markers. Wherever multiple cables are laid in a trench, RFID markers may be provided for easy identification of the cable. Henceforth, wherever cable laying is planned, before undertaking the cable laying work, the cable route plan of the same shall be prepared by the Dy.CSTE/C or Dy.CEE/C

ED/TPC

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ED/TPC

ED/W

ED/TPC

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and shall be got approved from the concerned Sr. DSTE/DSTE or Sr. DEE/DEE and also from the concerned Dy. CE/C for new lines and from the concerned Sr.DEN for all other projects including doubling GC etc., to avoid possible damage in future. Such approval shall be granted within 15 days of the submission of the request.

13. The works of excavating the trench and laying of the cable should proceed in quick succession, leaving a minimum time between the two activities.
14. In case damage is caused to OFC/Quad cable or Signaling cable during execution of the work, the contractor is liable to pay a penalty for damaging the cable. Penalty shall not be levied in case of the following:-

- (i) Detailed cable route plan as per clause C-1 not provided by concerned department or cable is not protected as per laid down procedures.
- (ii) The alignment of the cable does not tally with the information provided to the contractor.
- (iii) The cable depth is found to be less than 800 mm from normal ground level.
- (iv) No representative of S&T department/RailTel was available at site guarding the cables on the fixed pre determined date and time.

15. Penalty to be imposed for damages to cable shall be as under:-

Cable damaged	Penalty per location
Only Quad cable or Signaling cable	₹ 1.0 Lakh.
Only OFC	₹ 1.25 Lakh
Both OFC & Quad	₹ 1.5 Lakh
Electrical Cable	₹ 1.0 Lakh

Necessary debit in this regard shall be raised on the department undertaking the work who shall in turn levy the penalty on the defaulting contractor. S&T department shall raise the debits in case of damage to OFC or Quad or Signaling cable and Electrical department shall raise the debits in case of damage to Electrical cable.

16. Railways will not lodge FIR with RPF in cases of works being executed by authorized contractors of Railways who have been duly permitted to execute the works in accordance with this JPO. Joint note by the supervisors of the concerned department shall be prepared and the responsibility of the cable cut should be decided without involving RPF. The joint note deciding the fact whether the contractor should be penalized shall be completed in a day's time from the occurrence of cable cut.

In all other cases, when the cable is cut by an agency that was not permitted to execute any work, FIR should be lodged with RPF.

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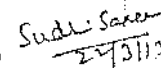
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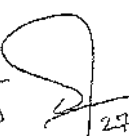
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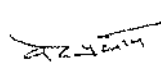



17. While giving permission for taking up the works, concerned departments may note that earthwork by engineering contractors will normally be done by machines except in a few isolated locations where the quantity of earth work is very less.
  18. Railways shall make necessary correction in their future contract so that this JPO can also be enforced contractually.
  19. In case of damage to QFC, RailTel should be paid 5/6<sup>th</sup> of the penalty recovered. RailTel shall raise demands on the S&T department in this regard.
  20. All types of signaling & OHE bonds i.e. rail bond, cross bond and structure bond shall be restored by the contractor with a view to keep the rail voltage low to ensure safety of personnel.
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21. Above joint circular shall be applicable for construction as well as open line organisation of Engineering, S&T & Electrical.
  22. S&T cable and electrical cable route plan should be prepared by the concerned S&T and Electrical officers respectively and got approved as stipulated in para C-12 before undertaking the work. The completion cable route plan should be finalized block section by block section as soon as the work is completed.
  23. All cable laying works shall be executed as per laid down technical specifications, such as protection measures/protective cover, compaction of refilled material etc.

  
(Rajeev Sharma)  
Exec. Dir.  
Signal Devel.

  
(S K Saxena)  
Exec. Dir.  
Elect. Enery (M)

  
(Shobhan Chaudhuri)  
Exec. Dir.  
Telecom (Dev)

  
(V P Dudeja)  
Exec. Dir.  
Works

  
(Surinder Pal)  
Exec. Dir.  
Civil Engg.(P)



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GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)

No. E(MPP)/2021/1/13

The General Managers  
All Zonal Railways/PUs  
DG/ RDSO, DG/NAIR  
Directors/CTIs

PCPO  
PFA  
AEDRMS  
RBE No. 08/2022  
Dated: 14.01.2022  
18/01

Sub: Creation of Non-Gazetted safety posts.

Ref: 1. PCPO/WR letter No. WR/HQ/ESTT/HHRD/49/2020 dt. 08.09.2021 & 26.10.2021.  
2. This office letter of even no. dated 25/03/2021.

Vide Board's letter under reference (2) above, all GMs have been advised to explore the possibilities of redistribution of posts at their end taking into account existing vacancies on the Railways, in terms of SOP 2018, This interim arrangement for redistribution of posts was made for a period of one year.

2. A letter was received from PCPO/WR, in reference to aforesaid instructions on redistribution of posts, issued vide Railway Board's letter under reference (2) above.

3. The matter has been examined in Board office and it has been decided to extend the currency of interim arrangement made vide Board's letter of even no. dated 25.03.2021 for another one year, beyond 24.3.2022.

4. This disposes off PCPO/WR's proposal under reference.

5. This issues with the approval of Board (MF and CRB & CEO).

6. Please acknowledge receipt.

(Deepak Peter Gabriel)  
Principal Executive Director/IR as  
Principal Executive Director (Trg. & MPP)  
RAILWAY BOARD  
14.01.2022

Copy forwarded for information to:

1. PFAs, All Indian Railways and Production Units, DG/RDSO, DG/NAIR & CTIs.
2. The Dy. Comptroller & Auditor General of India (Railways), Room No.224, Rail Bhawan, New Delhi.



For Member Finance /Railway Board



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भारत सरकार GOVERNMENT OF INDIA  
रेल मंत्रालय MINISTRY OF RAILWAYS  
(रेलवे बोर्ड) (Railway Board)

No. 2022/RS(G)/779/1

Dated: 13.01.2022

The General Managers, All Indian Railways/PUs, NF(C), CORE  
DG/RDSO/Lucknow, NAIR/Vadodara,  
PCAO, DMW/Patiala, COFMOW/NDLS,  
CAO, WPO/Patna, RWP/ Bela

**Sub: Procurement of Drugs by Stores Department in all Zonal Railways and Production Units.**

**Ref: (i) Railway Board's letter No. 2014/RS(G)/779/13 dated 03.02.2015, 14.05.2015, 04.06.2018 and 20.08.2018.**

**(ii) Railway Board's letter No. 2017/Trans/01/Policy/Pt-S dated 08.03.2018**

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Procurement of drugs is presently being done by the Stores department in many Zonal Railways and the Medical department in others.

It has been decided that procurement of drugs shall be done by the Stores department in all the Zonal Railways and Production Units.

Compliance of this should be given by 31.01.2022. No deviation shall be allowed.

This is issued with the approval of Competent Authority.

✓ Digitally signed by CHANDAN KUMAR  
Date: 2022.01.13 12:41:07 +05'30'

(Chandan Kumar)  
Director Railway Stores(IC)  
Railway Board

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Sr. Prof. (Material Management), NAIR, Vadodara, PED (Stores), RDSO, Lucknow  
Chief Commissioner, Railway Safety, Lucknow  
Zonal Railway Training Institute, Sukadia Circle, Udaipur

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**Copy to:- PSOs/Sr. PPSs / PPSs / PSs/APS to :**

MR, MOSR(D), MOSR(J)  
CRB&CEO, M(TRS), M(Infra), M(O&BD), M(F), Secretary/RB, DG (RHS), DG (RPF), DG(HR), DG (Safety)  
All AMs, PEDs & Executive Directors of Railway Board



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भारत सरकार (GOVERNMENT OF INDIA)  
रेल मंत्रालय (MINISTRY OF RAILWAYS)  
रेलवे बोर्ड (RAILWAY BOARD)

No.2022/CE-II/TK/Loopline30

New Delhi, date 14.01.2022

General Manager  
All Zonal Railways.

Sub: Raising speed on Loop line to 30 kmph.

In order to reduce the travel time and enhance the throughput, raising of sectional speed and loop line speed is a major focus area of Railways. Speed on loop lines on Golden Quadrilateral and diagonal routes is already raised to 30 kmph. Action plan for raising of loop line speed to 30 kmph over balance BG routes of IR received from Zonal Railways has been perused by Board. It has been decided that all sections, where raising of loop line speed to 30 kmph is feasible, should be targeted by December' 2022.

For achieving the above target, detailed action plan need to be prepared by Zonal Railways for up gradation of Civil, S&T and TRD assets .

It is requested that necessary action is taken by Zonal Railways to raise the speed of loop lines to 30 kmph by December' 2022.

Action taken by Railways may be advised to Board at the earliest.

SUDHANSHU  
SHARMA

(Sudhanshu Sharma)  
Additional Member Civil Engineering  
Railway Board

Copy to:

All PCEs, PCEEs, PCSTE & PCOM

