



भारत सरकार Government of India
रेल मंत्रालय Ministry of Railways
(रेलवे बोर्ड Railway Board)



No. 2023/CE-I/CT/5/Engg.CodeRevision

New Delhi, Dated 31.05.2023

As per list attached

Sub: Indian Railways Code for Engineering Department - Advance Correction Slip No. 61

Ministry of Railways has decided to amend Para 1816 of Indian Railways Code for Engineering Department, Fourth Re-print 2012 as shown in the enclosed Advance Correction Slip No. 61.

This issues with concurrence of the Finance Directorate of the Ministry of Railways.

Encl: As above (4 pages)

अजीत कुमार झा
31.5.23
(अजीत कुमार झा)

कार्यपालक निदेशक/सिविल इंजी.(जी)/रेलवे बोर्ड

[Phone: 030-44803: Rly: 011-23383379:MTNL]

e-mail address : edceg2022@gmail.com

No. 2023/CE-I/CT/5/Engg.CodeRevision

New Delhi, Dated 31.05.2023

Copy forwarded for information to:

1. The PFAs, All Indian Railways
2. Dy. Comptroller and Auditor General of India (Railways), Room No. 224, Rail Bhawan, New Delhi

For Member Finance

LIST FOR DISTRIBUTION (No. 2023/CE-I/CT/5/Engg.CodeRevision, Dated 31.05.2023)

1. General Managers, All Indian Railways & Production Units
2. General Manager (Con), N.F. Railway, Guwahati
3. General Manager /CORE, Allahabad.
4. Chief Administrative Officers (Con), All Indian Railways (Except N.F. Railway)
5. Principal Chief Engineers, All Indian Railways

(A)

1. CAO, COFMOW, Tilak Bridge, New Delhi
2. Principal CAO, Diesel Loco Modernization Works, Patiala (Punjab)
3. CAO (Workshop Projects), Chamber Bhawan, Judge's Court Road, Anta Ghat, Patna-800001, Bihar

(B)

1. Director General, RDSO, Manak Nagar, Lucknow
2. Director General, NAIR, Vadodara
3. Director, IRICEN, Pune – 411 001 (Maharashtra)
4. Director, IRIEEN, PB No.-233, Nasik Road-422101 (Maharashtra)
5. Director, IRISSET, Taa Naka Road, Lalla Guda, Secunderabad-500017
6. Director, IRIMEE, Jamalpur Distt-Jamalpur, PIN-811214 (Bihar).
7. Director, IRITM, Sarswati Residential Estate, IRITM Campus, Manak Nagar, Lucknow

(C)

1. MD, CONCOR, Concor Bhawan, C-3, Mathura Road, Opp. Apollo Hospital, New Delhi- 110076.
2. IRCON International Limited, C-4, District Centre, Saket, New Delhi- 110017
3. MD, RITES Ltd., RITES Bhawan, Plot No.1, Sector-29, Gurgaon.
4. CMD, RVNL, August Kranti Bhawan, Plot No.25, 1st Floor, Bhikaji Cama Place, New Delhi.
5. MD, MRVC Ltd., Churchgate Station Bldg, Mumbai- 400020
6. CMD, KONKAN Railway Corporation Ltd, Rail Bhawan, New Delhi-110001.
7. MD, DFCCIL, 5th Floor, Pragati Maidan Metro Station Building Complex, New Delhi-110001
8. MD, RLDA, Near Safdarjung Railway Station, Moti Bagh, Phase-I, New Delhi- 110021
9. MD, CRIS, Chanakyapur, New Delhi.
10. CMD, RailTel Corporation of India Ltd. Plot No. 143, Institutional Area, Sector-44, Gurgaon – 122003.
11. CME, IROAF, 12th Floor, Core-1, Scope Minar, Distt. Centre, Laxmi Nagar, Delhi- 110092
12. Managing Director, IRFC Limited, UG Floor, East Tower, NBCC Place, Bisham Pitamah Marg, Lodhi Road, Pragati Vihar, New Delhi.
13. CMD, IRCTC Ltd., B-148, 11th Floor, Statesman House, Barakhamba Road, New Delhi 110001
14. CMD, Braithwaite & Co. limited, 5 Hide Road Kolkata 700043.

Copy to:

(A)

1. General Secretary, IRCA, DRM Office, New Delhi.
2. General Secretary, AIRF, Rail Bhawan, New Delhi
3. General Secretary, NFIR, Rail Bhawan, New Delhi
4. General Secretary, IRPOF, Rail Bhawan, New Delhi
5. General Secretary, FROA, Rail Bhawan, New Delhi
6. General Secretary, AIRPA, Rail Bhawan, New Delhi
7. General Secretary, AISC & STREA, Rail Bhawan, New Delhi
8. The Secretary, RBSS, Group (A) Offices Association, Rail Bhawan
9. The Secretary, RBSS, Group (B) Offices Association, Rail Bhawan
10. General Secretary, RBSSS Association, Rail Bhawan
11. The Secretary, RBMSA, Rail Bhawan
12. The Secretary, Railway, Group (D) Employees Association, Rail Bhawan

(B)

1. Concerned PSO for kind information of Chairman cum CEO, M/Infra, M/T&RS M/O&BD, M/Finance, Railway Board
2. Adv./MR, EDPG/MR, OSD/MR, OSR(Co-ord)/MR
3. Chief Vigilance Officers, All Indian Railways.
4. DG(RHS), DG(RPF), AM(CE), AM(Works), AM(B), AM(Elec.), AM(RS), AM(ME), AM/Tele, AM/C&IS, AM/Sig., AM(Plg.), PED(B&S), PED(Vigilance), PEDCE(P), PED/GS, PED (Infra), EDCE(G), EDTK(M&MC), EDCE(B&S), EDF(X), ED/GS/C-I, ED/GS/C-II, EDW(Plg.), ED/Project(Mon.), ED(L&A), ED(PSU), EDVE, ED(Safety), ED(Sig. Dev.), ED(Tele), EDRS(G), ED/GS/Elect., ED/GS/Signal, ED/GS/SD-I, ED/GS/SD-II, EDEE(G), EDFE, EDE(N), ED(Accounts), ED/T&MPP, EDME(Chg.), EDME(Frt.), ED/Plg., JS(conf), JS(P), JS(G), JS(D), Vigilance-III, Vig(Conf) of Railway Board.

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Para No. 1816 should be amended as under:

PARA 1816:-

1816. Road Crossing Works (Flyover (ROB)/Underpass (RUB)/ LHS/FOB/Subway) to eliminate Level Crossings and Trespassing.

(A) Sanction and Execution of Road Crossing works in lieu of Level Crossing :

- i. For all LCs, 100% cost of the work shall be borne by Railways, except on National Highways (NH) and where State Govt. / Road Owning Authority/ Local Authority consents to take up the work at its cost.
- ii. Rebuilding/replacement of existing Flyover (ROB)/Underpass (RUB)/Public FOB on condition basis may be sanctioned at Railway's cost duly justified and recommended by Divisional Railway Manager (DRM) and approved by General Manager (GM).
- iii. Priority of LC elimination shall be based on impact on safety in train operations, mobility of trains and impact for road users/public, and shall be decided by GM.
- iv. All works should be executed on single entity basis by Railway. In case any Road owning authority/ State Govt. desires, the General Manager may permit them to execute the work on single entity basis.
- v. All LCs may be eliminated while executing doubling/multi tracking Projects. Work of elimination of LCs may be undertaken by revising the estimate, if not provided in the original estimate (such revision shall not be treated as material modification). If it is not possible to sanction such works as a part of the original project, new work may be sanctioned on priority under PH-30.
- vi. LC elimination works already sanctioned on cost sharing basis, shall be examined by GM for funding entire project through Railways in case of inadequate response/unwillingness of State Govt./Road Owning Authority, as this will improve safety in train operation and mobility of trains. The same should be submitted for sanction of Railway Board. Estimate shall be revised for such changes, and this change will not be treated as material modification.
- vii. Zonal Railway may sanction additional works under PH-30 for rectification, improvements and up-gradation in already completed work, including making good the deficiency. Additional works may include such as providing additional Underpass (RUB)/ LHS/ FOB/ Ramp/subway etc., where Flyover (ROB)/Underpass (RUB) has been commissioned. Additional works for Underpass (RUB) may include solutions for water-logging and other functional problems.

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(B) Feasibility Study & Preparation of DPR:

- i. Feasibility study for road crossing work shall be undertaken along with preparation of Technical feasibility report /Detailed Project Report (DPR) as per priority and overall planning for the Zone. The planning of proposals for all such works including carriageway width must be done keeping in view the width of approach roads, anticipated traffic, needs of road users and requirement of railway providing an equitable and safe solution.
- ii. Technical feasibility report/ DPR shall be submitted for sanction of all new works as per policy already laid down. Feasibility study and assessment shall be carried out before sanction of any work. Any works, if required for feasibility study/DPR shall be sanctioned under PH-30.
- iii. Advance consent of State Govt. for closure of Level Crossing for sanction of work is not mandatory. However, consent for closure of LC should be obtained before tendering.

(C) Land Acquisition, Utility Shifting in approaches:

Roles and responsibility of Railways and State Govt. /Road owning authorities regarding land acquisition, utility shifting etc. in approaches will be as under:

As far as possible, the available land of State Govt. /Road Owing Authority shall be utilized for construction of Flyover (ROB)/Underpass (RUB) free of cost. However, any additional land required for construction of Flyover (ROB)/Underpass (RUB) need to be acquired, shall be dealt as under:

- a. For Flyover (ROB)/Underpass (RUB) sanctioned on 100% cost of Railway, the cost of land acquisition involving private land, R&R and utility shifting shall be charged to the project and kept in the estimate at the time of sanction and shall be borne by railways.
- b. For Flyover (ROB)/Underpass (RUB) sanctioned on 100 % cost of State Govt./Road Owing Authority, the cost of land acquisition, R&R and utility shifting shall be charged to the project and kept in the estimate at the time of sanction and shall be borne by State Govt./ Road Owing Authority/ Local Authority.

(D) Maintenance of Flyover (ROB)/ Underpass (RUB):

The portion of Flyover (ROB)/Underpass (RUB) within railway land area shall be maintained by Railways at its own cost. The remaining portion outside railway land area will be maintained by State Govt./ Road Owing Authority/ Local Authority at its own cost.

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(E) Sanction and execution of additional crossings.

1. The demand/need for such additional crossing arrangements can be considered as under:

i. Demand for permitting Water-Way Bridge for road/ pedestrian movement:

Use of Water-way bridge openings for road/ pedestrian crossing shall not be permitted on technical considerations for safety of bridge. However, if the location is a source/potential source of trespass, affecting safety in train operations, mobility of trains and fixed infrastructure of railway, and impacting mobility of nearby inhabitants, subways/ FOBs etc. may be provided at a suitable nearby location as per feasibility at railways cost.

ii. Demand for providing Underpass (RUB)/ FOB/pedestrian subway at locations where no LC exists or LC closed in past:

If the location is a source of trespass, affecting safety in train operations, mobility of trains and fixed infrastructure of railway, Railway may consider providing suitable subways/FOB etc. as per feasibility at railways cost.

iii. Demand for providing Underpass (RUB)/ FOB/ pedestrian subway at locations where no LC exists, but proper roads already in use up to railway land boundary:

In exceptional cases, if the location is a source of trespass, affecting safety in train operations, mobility of trains and fixed infrastructure of railway, Railway may consider providing suitable Underpass (RUB)/ LHS/ FOB as per feasibility at railways cost.

2. Proposals for additional road crossing can generally be considered looking at presence of habitation on either side of the tracks.

3. Consideration of proposals under PH-30 as above, shall be based on demand, justification and priority with approval of General Manager.

(Ref: Railway Board's Letter No. 2017/CE-IV/LX/Misc./244(LCs) Pt. Dated 02.03.2023)

(F) All Level Crossings on National Highway (NH) corridors shall be replaced by Flyover (ROB)/Underpass (RUB) on Single Entity basis at the cost of Ministry of Road Transport and Highway (MoRTH)/National highway Authority of India (NHAI) as per MOU signed between Ministry of Railways and Ministry of Road Transport and Highways (MORTH) dated 10.11.2014. Amendment from time to time or and instruction issued.

(Ref: Railway Board's Letter No. 2015/CE-IV/ROB/ 78 (MoU between NHAI/MoRTH dated 10.11.2014)

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Concordance Table for Correction slip to Para 1816 of Engineering Code

S N	Para No. of correction slip	Ref. of para of RB letter No. 2017/CE-IV/LX/Misc./244 (LCs) Pt. Dated 02.03.2023
1	1816 A(i)	1.1
2	1816 A(ii)	1.2
3	1816 A(iii)	1.3
4	1816 A(iv)	1.4
5	1816 A(v)	1.9
6	1816 A(vi)	1.10
7	1816 A(vii)	1.11
8	1816 B(i)	1.5
9	1816 B(ii)	1.6
10	1816 B(iii)	1.7
11	1816 C	1.8 & 1.8.2
12	1816 C (a)	1.8.2 (a)
13	1816 C (b)	1.8.2 (b)
14	1816 D	1.8.1
15	1816 E (1)	2 & 2.1
16	1816 E(1) (i)	2.1.1
17	1816 E (1) (ii)	2.1.2
18	1816 E (1) (iii)	2.1.3
19	1816 E (2)	2.2
20	1816 E (3)	2.3

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