

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

No. 2003/CE-II/TS/2 Pt.I

New Delhi, dt. .02.2008.

Principal Chief Engineers/Chief Engineers

CR, ER, ECR, ECoR, NR, NCR, NER, NFR, NWR, SR, SCR, SER, SECR, SWR, WR, WCR and Metro Railway/Kolkata.

The General Manager (Const.), N.F.Railway, Guwahati.
The CAO/Const. All Indian Railways.
The CAO/Const., Metro Railway, Mumbai & Chennai.

Managing Director, Konkan Railway Corporation Ltd, Rail Bhawan, New Delhi.
Managing Director, IRCON, New Delhi.
Managing Director, RITES, New Delhi.
Managing Director, DMRC, N.B.C.C. Building, Pragati Vihar, New Delhi.
Managing Director, CONCOR, New Delhi.

The Chief Project Officer, DMRC, Pragati Vihar, New Delhi.
Director, IRICEN, Pune.
Director, IRIEEN, Nasik.
Director, , IRISSET, Secunderabad.
Director, IRIMEE, Jamalpur.
Director, IRITM, Vill. Kanausi, Hardoi, Manik Nagar, Lucknow.
Director General, Railway Staff College, Vadodara.

FA & CAO, All Indian Railways.
The Director General (Track), RDSO/Alambagh, Lucknow.
Chief Commissioner of Railway Safety, Lucknow.

Genl. Secy., AIRF, Rail Bhavan.
Genl. Secy., NFIR, Rail Bhavan.
Genl. Secy., IRPOF, Rail Bhavan.
Genl. Secy., FROA, Rail Bhavan.
Genl. Secy., AIRPFA, Rail Bhavan.
Genl. Secy., DAI (Railways) Rail Bhawan, New Delhi.

Sub: Advance Correction Slip No 109 to the Indian Railways Permanent Way Manual -1986 para-202(1).

Ministry of Railways (Railway Board) have decided that correction/addition as indicated in the enclosed Advance Correction Slip No.109 dated .02.2008, to relevant para of the IRPWM, be made.

Receipt of this letter may please be acknowledged.

(H.L. SUTHAR)
Director Civil Engg.(P),
Railway Board.

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New Delhi, dt. .02.2008.

Copy to : CRB, ME, ML, MS, MM, MT, FC, Secretary.

AM(CE), AM(W), AM(Budget), AM(Elect.), AM(Fin.), AM(Sig.), AM(Plg.), AM(MS), AM(Mech.), AM(PU.), AM(Tele.), AM(Traffic), Adv.(Vig.), Ad.(L&A).

EDF(X)-II, ED(Safety), EDCE(P), ED(Works), EDV(E), ED(Proj.), ED(DMRC), EDTK(M), EDTK(MC), EDTK(P), EDCE(G), EDCE(B&S), ED/L&A, EDCE(RC&F), EDW(Plg.).

OSD(ME), DTK(MC), DTK(M), DTK(P), Dir.(Works) I & II, DLM, DCE(B&S), DVE-I & DVE-II, IPWE(I).

INDIAN RAILWAYS PERMANENT WAY MANUAL 1986 - (Second Reprint 2004)
ADVANCE CORRECTION SLIP NO. 109 DATED -02-2008

The existing para 202(1) of Indian Railways Permanent Way Manual may be modified to read as under:-

Para 202. Classification of Lines -

(1) Broad Gauge - The BG lines have been classified into six groups 'A' to 'E' on the basis of the future maximum permissible speeds as under-

Group 'A' - Speeds upto 160km./hour:

- (i) New Delhi to Howrah – Rajdhani Route (via the Grand Chord and Howrah-Burdhwan Chord).
- (ii) New Delhi to Mumbai Central (Frontier Mail Route).
- (iii) New Delhi to Chennai Central (Grand Trunk Route).
- (iv) Howrah – Nagpur-Mumbai CST.

Group 'B' - Speeds upto 130 km./hour:

- (i) Allahabad-Katni-Jabalpur-Itarsi-Bhusaval.
- (ii) Kalyan-Pune-Daund-Wadi-Secunderabad-Kazipet.
- (iii) Kharagpur-Waltair-Vijayawada.
- (iv) Wadi-Raichur-Arakkonam-Chennai Central.
- (v) Howrah-Bandel-Barddhaman.
- (vi) Khanna-Barharwa-Farakka Bridge-Malda Town.
- (vii) Sitarampur-Madhupur-Kiul-Patna-Mughal Sarai.
- (viii) Kiul-Bhagalpur-Sahibganj-Barharwa.
- (ix) Delhi-Panipet-Ambala Cantt. Kalka.
- (x) Ambala Cantt.-Ludhiana-Jalandhar-Pathankot.
- (xi) Ambala Cantt.- Moradabad-Lucknow-Pratapgarh-Mughul Sarai.
- (xii) Arakkonam-Jolarpettai-Salem-Erode-Coimbatore-Ernakulam.
- (xiii) Vadodara-Ahmedabad.
- (xiv) Jolarpettai-Bangalore.
- (xv) Ahmedabad-Ajmer-Jaipur-Bandikui-Rewari-Delhi.
- (xvi) Malda Town-Barsoi-New Jalpaiguri.
- (xvii) Chennai Beach-Dindigul.
- (xviii) Bangalore-Dharmavaram-Gooty.
- (xix) Ghaziabad-Saharanpur.
- (xx) Chennai Beach-Chennai Egmore 3rd line
- (xxi) Bandikui-Agra Fort
- (xxii) Sawaimadhopur-Jaipur
- (xxiii) Bellary-Guntkal
- (xxiv) Gudur-Renigunta
- (xxv) Pagadipalli-Nadikudi-Guntur-Tenali
- (xxvi) Vijaywada-Guduwada-Bhimavaram-Nidadavolu
- (xxvii) Guntkal-Guntur & Guntur-Krishna canal
- (xxviii) Manmad-Mudkhed-Secundrabad
- (xxix) Secundrabad-Dhone
- (xxx) Renigunta-Tirupati-Pakala-katpadi

Annexure 2/1 shows, Group 'A' and 'B' Routes.

Group 'C' - Suburban Sections of Mumbai, Delhi, Chennai and Kolkatta as listed below.

- (i) CSTM – Ravli - Kurla – Panvel
- (ii) Ravali –Mahim-Andheri
- (iii) Churchgate – Mumbai Central – Borivali- Virar
- (iv) Chennai Central – Basin Bridge – Veysarpadi – Arakonam
- (v) Chennai Central – Basin Bridge- Washermanpet – Chennai Breach – Tambaram
- (vi) Chennai – Central – Basin Bridge – Korukkupet – Tondiarpet – Tiruvottiyar – Gummidipundi
- (vii) Chennai Beach – Thirumayilai
- (viii) Sealdah – Dumdum – Naihti – Kalyani – Ranaghat – Krishnanagar
- (ix) Sealdah – Sonarpur – Baruipur-Lakshmikantapur-Namkhana
- (x) Ballygunj – Budge Budge
- (xi) Seoraphuli – Tarakeshwar
- (xii) Dum Dum Jn – Barasat Jn-Bangaon Jn
- (xiii) Howrah – Panskura – Kharagpur
- (xiv) Ranaghat-Bangaon
- (xv) Kalyani-Kalyani Simanta
- (xvi) Ranaghat-Gede
- (xvii) Kankurgachi-Ballygunge
- (xviii) Kalinarayanpur-Shantipur
- (xix) Barasat-Hasnabad
- (xx) Sonarpur-Canning
- (xxi) Baruipur-Diamond-Harbour
- (xxii) Dum Dum Jn-Princep Ghat-Majerhat
- (xxiii) Dum Dum-Dankuni
- (xxiv) Dum Dum Jn-Chitpur
- (xxv) Bandel-Naihati
- (xxvi) Bandel-Katwa
- (xxvii) Liluah-Belur Math
- (xxviii) Palval-Okhla-Tilak Bridge
- (xxix) Okhla-LPNR-DBSI, DLI-DKZ-DBSI-NDAZ
- (xxx) SBB-DSA-DLI

Group 'D' Spl.- Speeds upto 110 kmph and the annual traffic density is 20 GMT or more.

Group 'D' - Speeds upto 110 kmph and the annual traffic density is less than 20 GMT.

Note - While classifying route, in case of double and multiple lines, annual traffic density on each line shall be considered separately. The route shall be classified based on the highest GMT on any one line.

List of routes either in group D'Spl. or group D are as under, (They shall be reclassified in D'Spl. or D routes based on note mentioned above).

- (i) Bina-Katni-Annupur-Bilaspur
- (ii) Bhopal-Ujjain-Nagda
- (iii) Udhna-Jalgoan

- (iv) Ahemdabad-Viramgoan
- (v) Bellary-Hospet
- (vi) Champa-Gevra Road
- (vii) Anara-Sini
- (viii) Kharagpur-Adra
- (ix) Jharsuguda-Titlagarh-Vijaynagaram
- (x) Titlagarh-Raipur
- (xi) Barabanki-Gorakhpur Cantt-Chapra Kacheri
- (xii) Burhwal-Sitapur
- (xiii) Delhi-Ghaziabad-Hapur-Moradabad
- (xiv) Kanpur-Lucknow
- (xv) Varanasi-Zafarabad-Sultanpur-Utartia-Lucknow
- (xvi) Hajipur-Chapra
- (xvii) Hajipur-Mujjafarpur-Samastipur-Barauni
- (xviii) Hajipur-Bachawara
- (xix) Barauni-Katihar
- (xx) Gomoh-Chandrapura
- (xxi) Barakakhana-Gevraroad-Sonenagar
- (xxii) Gevraroad-Chopan
- (xxiii) Kota-Chittorgarh-Neemuch-Ratlam
- (xxiv) Kota-Ruthiyai-Bina
- (xxv) Bayan-Agra-Tundla
- (xxvi) Ujjain-Indore
- (xxvii) Viramgoan-Okha
- (xxviii) Kanalus-Porbandar
- (xxix) Surendranagar-Dhola-Dhasa
- (xxx) Dhola-Pipavav
- (xxxi) Rajkot-Junagarh
- (xxxii) Dhola-Bhavnagar
- (xxxiii) Palanpur-Samakhali-Gandhidham
- (xxxiv) Ghandhidham-Kalol
- (xxxv) Banglore-Ariskere-Hubli
- (xxxvi) Banglore-Maysore-Hasan-Ariskere
- (xxxvii) Hasan-Manglore
- (xxxviii) Hospet-Hubli-Londa-Miraj-Pune
- (xxxix) Baiyappanahalli-Omlur
- (xl) Vikarabad-Parlivaijnath-Parbani
- (xli) Nadikuide-Macherla
- (xlii) Samalkot-Kakinada Port
- (xliii) Gooty-Pendekallu
- (xliv) Karur-Dindigal-Madurai-Vanchchimaniyachchi
- (xlv) Ernakulam-Thiruvananthapuram
- (xlvi) Ernakulam-Alappuzha-Kayanlwlam
- (xlvii) Thoke-Manglore-Shoranur
- (xlviii) Mayipaduturai-Kumbakonam-Thanjavur-Trichchirapalli
- (xlix) Jodhpur-Marwar
- (l) Udaipur-Chittorgarh-Ajmer

- (li) New Jalpaiguri-Lumbding-Tinsukia
- (lii) NJP-“Alipurdwar-Samukhala Road
- (liii) Kumedpur-Katihar
- (liv) Bhatni-Varanasi-Allahabad
- (lv) Manakpur-Ayodhya
- (lvi) Aunrihat-Chapra
- (lvii) Laskar-Haridwar
- (lviii) Lucknow-Faizabad-Zafarabad
- (lix) Janghad-Phaphamav-Allahabad
- (lx) Phagramau-Unchahar
- (lxi) Daund-Manmad
- (lxii) Pen-Roha
- (lxiii) Diva-Vasai Road
- (lxiv) Gorakhpur-Vaknubagar
- (lxv) Thave-Siwan
- (lxvi) Mau-Sahganj
- (lxvii) Indore-Peptina
- (lxviii) Salempur-Barjtaj Bazar
- (lxix) Jhansi-Kanpur
- (lxx) Jhansi-Manikpur
- (lxxi) Bhimsen-Kharirar
- (lxxii) Delhi-Bhatinda-Firojpur Cantt
- (lxxiii) Jalandhar-Amritsar
- (lxxiv) Baraiti-Chandausi
- (lxxv) Nerunti-Talchar
- (lxxvi) Cuttack-Paradeep
- (lxxvii) Barey-Rajatgarh
- (lxxviii) Kapilash Road-Salegoin
- (lxxix) Kiraudur-Kottavalsa
- (lxxx) Nerunti-Talchar
- (lxxxi) Koraput-Singhpur Road
- (lxxxii) Sambalpur-Angul
- (lxxxiii) Manuguru-Dornakul
- (lxxxiv) Karepalli-Singareni
- (lxxxv) Bypass Sanatnagar-Moula Ali
- (lxxxvi) Bandamundi-Barsuan
- (lxxxvii) Barajaunda-Gkua
- (lxxxviii) Barajamdu-Bolanikhadas
- (lxxxix) Bhojudh-Mohuda (GC)
- (xc) Molunda-Gomoh
- (xci) Muri-Barlakhana
- (xcii) Muri-Rajabera
- (xciii) Padapahar-Banspani
- (xciv) Panskura-Haldia
- (xcv) Rajkhurcur-Badajaml
- (xcvi) Talgoria-Bokaro
- (xcvii) Annuim-Bidhranpur
- (xcviii) Boridand-Khirmiri

- (xcix) Durg-Dallirajahara
- (c) Urkura-Saronal
- (ci) Londa-Vasco-Da-Gama
- (cii) Katihar - Mukuria

Group 'E' - All other Sections and branch lines with speed upto 100 kmph.
