पूर्व तट रेलवे
EAST COAST RAILWAY
प्रणाली मानचित्र
SYSTEM MAP

31 मार्च 2025 तक संशोधित

CORRECTED UP TO 31ST March 2025

पैमाना : 1 से.मी. = 20 कि.मी. ● Scale : 1 Cm. = 20 Km.

DIVISION WISE NOS. OF LOCATION & TOTAL LENGTH OF CURVES WHICH ARE SHARPER THAN 4 DEGREE

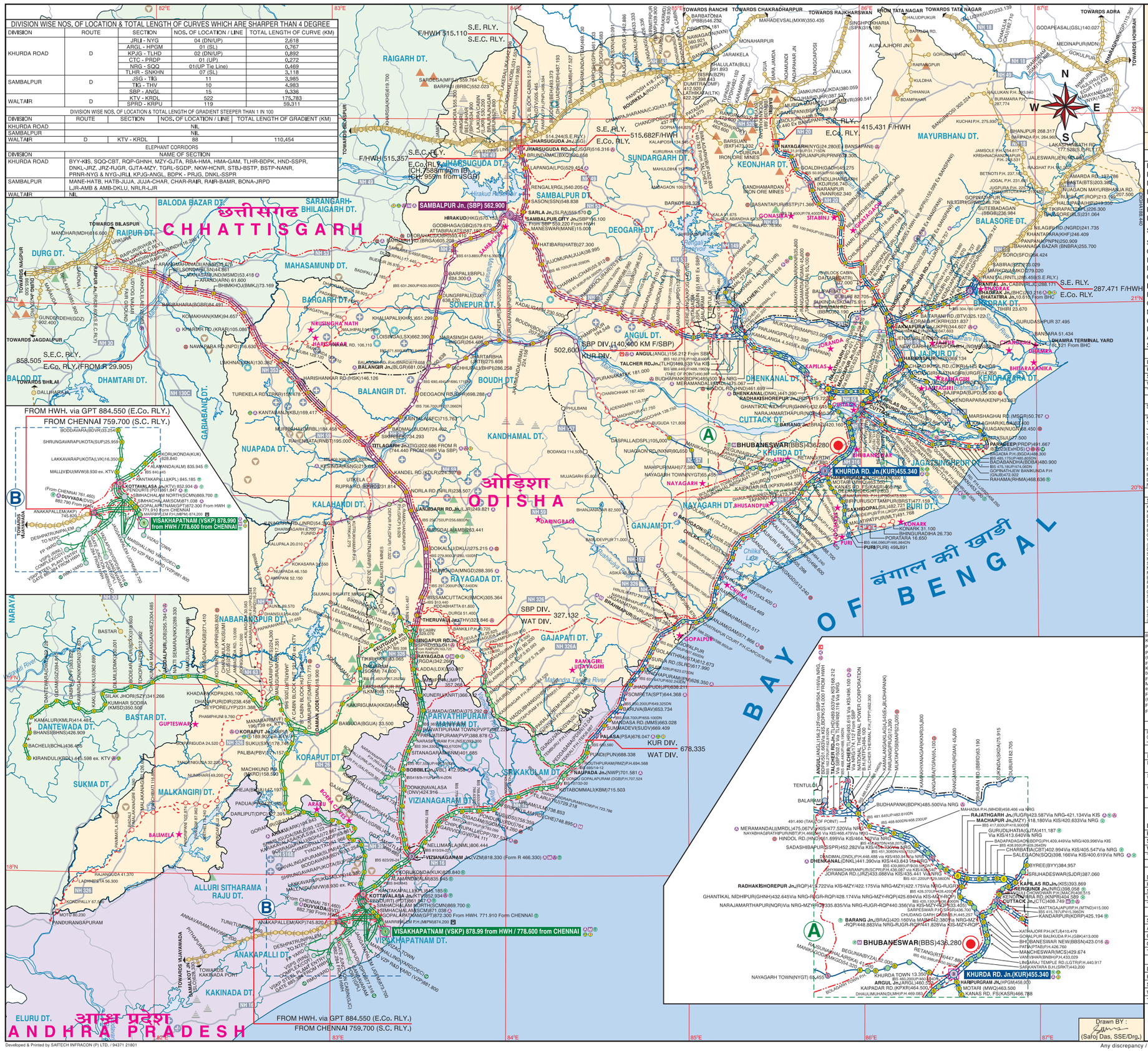
DIVISION	ROUTE	SECTION	NOS. OF LOCATION / LINE	TOTAL LENGTH OF CURVE (KM)
KHURDA ROAD	D	JRLI - NYG	04 (DN/UP)	2,618
		ARGL - HPGM	01 (SL)	0,767
		KPJG - TLHD	02 (DN/UP)	0,892
		CTC - PRDP	01 (UP)	0,272
		NRG - SCQ	01(UP Tie Line)	0,469
		TLHR - SNKHN	07 (SL)	3,118
SAMBALPUR	D	JSG - TIG	11	3,985
		TIG - THV	10	4,983
		SBP - ANGL	15	9,336
WALTAIR	D	KTV - KRDL	522	175,783
		SPRD - KRPU	119	59,311

DIVISION WISE NOS. OF LOCATION & TOTAL LENGTH OF GRADIENT STEEPER THAN 1 IN 100

DIVISION	ROUTE	SECTION	NOS. OF LOCATION / LINE	TOTAL LENGTH OF GRADIENT (KM)
KHURDA ROAD	NIL			
SAMBALPUR	NIL			
WALTAIR	D	KTV - KRDL	88	110,454

ELEPHANT CORRIDORS

DIVISION	NAME OF SECTION
KHURDA ROAD	BYY-KIS, SOQ-CBT, RQP-GHNH, MZY-GJTA, RBA-HMA, HMA-GAM, TLHR-BDPK, HND-SSPR, DNKL-JRZ, JRZ-RJGR, GJTA-MZY, TGRL-SGDP, NKW-HCNR, STBJ-BSTP, BSTP-NANR, PRNR-NYG & NYG-JRLI, KPJG-ANGL, BDPK - PRJG, DNKL-SSPR
SAMBALPUR	MANE-HATB, HATB-JUJA, JUJA-CHAR, CHAR-RAIR, RAIR-BAMR, BONA-JRPD
WALTAIR	NIL



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ELECTRIFIED ROUTE

DIVISION	ROUTE KM.	RUNNING TRACK KM.	TRACK KM.
KUR	1211,180	2243,290	2722,650
SBP	844,814	1614,883	1950,449
WAT	1106,444	1992,249	2600,311
TOTAL	3162,438	5850,422	7273,410

NEW LINES IN PROGRESS

SECTION	TOTAL KM.	COMMISSIONED KM.	BALANCE KM.
KHURDA RD. - BALANGIR	301.000	226.000	75.000
TALCHER - BIMLAGARH	150.000	34.470	115.530
JAYPORE - MALKANAGIRI	126.000	0.000	126.000
JAYPORE - NABARANGPUR	44.140	0.000	44.140
TALCHER - ANGUL with Y-Connection at TLHR	16.500	0.000	16.500
PURI - KONARK	32.020	0.000	32.020
GOALDIH - GANDHAMARDAN IRON ORE	12.760	0.000	12.760
SINGARAM - KODINGAMALI BAUXITE MINE	9.400	0.000	9.400
GUNUPUR - THERUVALI	73.620	0.000	73.620
JUNAGARH - NABARANGPUR	116.210	0.000	116.210
MALKANGIRI - PANDURANGAPURAM Via Bhadrachalam	173.610	0.000	173.610
BARGARH RD. - NAWAPARA RD.	138.320	0.000	138.320
DAITARI - BALIPARBAT Iron Ore Mines	5.020	0.000	5.020
NAYAGARH - DUBUNA Iron Ore Mines	5.140	0.000	5.140

DOUBLING IN PROGRESS (BALANCE)

SECTION	KM	SECTION	KM
KORAPUT - SINGAPUR RD.	96.000	KIRANDUL - JAGDALPUR	22.500
KHURDA-VIZIANAGARAM (3rd Line) in Balance Section	363.000	JARAPADA - BUDHAPANK with Fly Over at TALCHER RD. (3rd & 4th Line)	79.000
BUDHAPANK-SALEGAON Via RAJATHGARH (3rd & 4th Line)	57.000	VIZIANAGARAM - TITLAGARH (3rd Line)	92.700
BAGHUJAPUR Flyover	20.000	KOTTAVALASA - KORAPUT	51.000
Ore Exchange Complx-SCMN	5.220	JAGDALPUR - KORAPUT	11.400
VADALAPUDI - GATE JN.CABIN - (3rd & 4th Line) Ind. Tie Line between Gangavaram Port & VSKP Steel Plant	12.040	BRUNDAMAL - JHARSUGUDA RD. (Flyover)	6.600
SARLA - SASON Jn. (3rd & 4th Line)	16.000	RHENBATA-SIKIR (By Pass Line)	12.65
HARIDASPUR Flyover	4.730	DUVADA - SIMANCHALAM NORTH (3rd & 4th Line)	20.543
SLIJ - PARADEEP (Flyover)	7.000	PENDURTI - SIMANCHALAM NORTH (Flyover)	7.135
NERGUNDI - BARANG (3rd Line)	22.000	KOTTAVALASA - VIZIANAGARAM (4th Line)	34.700
MCRL - Inner Corridor Phase-1	10.930	PARADEEP - BADABANDHA (3rd & 4th Line)	18.510
BHADRAK - NERGUNDI (3rd Line)	60.000	VISAKHAPATNAM - GOPALAPATNAM (3rd & 4th Line)	15.310
Flyover at KHURDA RD.	7.410	Flyover from SAMBALPUR CITY to SARLA	4.660
Flyover between SAMBALPUR CITY - SAMBALPUR	8.100	Flyover at TITLAGARH	8.110
SIMHACHALAM NORTH - GOPALAPATNAM (3rd & 4th Line)	2.640	Flyover at SINGAPUR RD.	5.500
JHARSUGUDA - SASON (3rd & 4th Line)	70.000	Flyover at RAJATHGARH & MACHAPUR	10.890
SAMBALPUR CITY - JARAPADA (3rd & 4th Line)	254.000		

SURVEY IN PROGRESS

RET survey for new line between Bhawanipatna - Kesing via Utkela.

PET survey for Flyover at Singapur Road B Cabin.

PET survey for Flyover at Gopalpur Port (Chhatrapur).

FLS for New Chord Line from Rajathgarh to Kaipadar Rd. to avoid Bhubaneswar & Khurda Rd. busy route.

FLS for New Line Rail connectivity to Iron Ore Mines between Nayagarh - Bansapani (FLS being executed by South Eastern Railway)

FLS for New Line from Talcher to Gopalpur (Ganjam).

FLS for New Line between Raipur and Sambalpur.

FLS for New Line from Barkot to Jharsuguda.

FLS for 3rd & 4th Line from Jakhapura to Nayagarh.

FLS between KTV - Annakapalli (Bypass Line)

FLS for 3rd & 4th Line between Cuttack-Paradeep (CTC-BDBA balance section)

FLS for 4th Line from Jakhapura to Haridaspur.

FLS for 3rd Line (Patch) & 4th Line from Vizianagaram to Raipur.

FLS for 4th Line Haridaspur - Vizianagaram Jn.

FLS for 5th & 6th Line Simhachalam North Jn. - Kottavalasa Jn.

FLS for 3rd & 4th Line Gopalpatnam - Duvvada

FLS for New Line between Angul and Nayagarh Town via Narsinghpur, Kantilo and Khandapada and a Chord Line between Khurda Town and Kaipadar Rd.

NEW SURVEY SANCTIONED IN 2024-25

FLS for Doubling of Gandhamardan Iron Ore Mine to Goldih. FLS for Doubling Naupada - Gunpur - Theruvali. FLS for New Line of Gopalpur - Raygada. FLS for Doubling of Vadapudi - Duvada. FLS for dedicated Double Lines between Jakhpura - Haridaspur

LOCATION OF DISASTER MANAGEMENT ASSETS

DIVISION	A-Class ART	B-Class ART	SPARME
KHURDA ROAD	KUR	BHC, PSA, TLHR	BHC, KUR PSA
SAMBALPUR	SBP KBJ	NIL	SBP TIG
WALTAIR	KRDL, KRPU RGDA, VSKP	NIL	KRPU, RGDA VSKP

DETAILS OF LEVEL CROSSING

DIVISION	MANNED ROUTE B	MANNED ROUTE D	MANNED ROUTE TOTAL	UN-MANNED TOTAL
KHURDA ROAD	149	145	294	0
SAMBALPUR	-	167	167	0
WALTAIR	30	147	177	0
TOTAL	179	459	638	0

B. G. SECTION, GROUPWISE

GROUP	SECTION	KM.
A	----------	-------
B	(Ex) RNTL - PSA	390,860
	PSA - VSKP - DVD	212,812
C	----------	-------
D	SBP - KPJG - TLHD - Jn. Cabin	169,640
	TLHR - PARABIL	34,470
	(Ex) BDPK - (Ex) TLHD	0,850
	JSG - TIG	228,758
	TIG - LAE (Ex)	172,781
	TIG - SPRD (Ex)	124,445
	(Ex) NRG - TLHR	99,760
	(Ex) BRAG - (Ex) RJGR	26,620
	(Ex) KIS - (Ex) SQQ	2,900
	CTC - PRDP	82,020
	SPRD - VZM	139,198
	KTV - KRPU - KRDL	445,598
	SPRD - KRPU	163,725
	SBPY - SLIRA	3,650
	IB - JSGR	0,550
	LJR - JNR	54,300
	BLGR-SONEPUR-PURANAKATAK	119,930
	HDS - PRDP	82,540
	ANGL - BALARAM	14,640
	BDPK - BGPL	92,830
	KUR - PURI	43,190
	KUR - DASPALLA	106,370
	JKPR - JRLI	163,720
	TOMKA - DTR	8,000
	SKND(Ex) - JJKR(Ex) (BYE PASS LINE)	9,800
	MZY - RQP	2,190
	VBL - SALR	16,423
	SCMN - VSPS	11,676
	SCMN - VDPD	6,696
	VSPS GATE JN. - KAPM	9,816
	SCMN - DVD (BYE PASS LINE)	2,586
	VDPD - DVD	4,168
	MVF - DMRT	1,228
	KTGA - THV	2,318
	NWP - GNPR	90,200
	ARGL - HPGM (BYE PASS LINE)	3,100
	TLHD - KLAG (ROUTE B)	7,460
	BDPK - KLAG (A ROUTE)	6,780
	BATT - BBTY (D ROUTE)	3,840
	TOTAL	3162,438

25 T AXLE LOAD RAKE MOVEMENT ROUTE

BSPX-DATR-JKPR-PRDP, HDS-PRDP, JKPR-BHC-RNTL, SKND-JJKR

CTC-BRAG-PSA-VZM, JSG-SBP-TIG-SPRD, SBP-SBPY, JSGR-IB, MZY-RQP-BRAG, KIS-SQQ

RJGR-RQP, NRG-SQQ-MZY-RJGR-BDPK-ANGL-KPJG, BDPK-TLHR, TLHR-TLHD, ANGL-BALRAM, ANGL-SKND-BGPL

KRDL-KTV-VSKP, KRPU-RGDA-VZM-KTV, GPT-DVD (BYE PASS LINE), KTGA-THV, MVF-DMRT

HDN ROUTE

RLJC - VSKP - DVD (ML), VZM - KTV (3rd Line), KTV - SCMN (4th Line)

HUN ROUTE

DIVISION	SECTION
KHURDA ROAD	Paradeep - Cuttack, Barang - Rajathgarh - Angul, Nayagarh - Jakhapura
SAMBALPUR	Sambalpur - Titlagarh, Sambalpur - Jharsuguda Theruvali - Titlagarh - Raipur
WALTAIR	Vizianagaram - Theruvali, Singapur Rd, - Koraput, Kottavalasa - Jagdalpur - Kirandul

AUTO SECTION

KUR - BRAG - CTC - NRG - CBT - MZY - RJGR
CTC - KDRP - RCTC - GRKN - RHMA
DVD - GPT, SCMN - GPT - VSKP, SCMN - DVD Bypass Line, SCMN - PDT - KTV - KPL - ALM - KUK - VZM

DETAILS OF BRIDGES

DIVISION	IMPORTANT	MAJOR (Incl. ROBs)	MINOR	TOTAL
KHURDA ROAD	22	499	5009	5530
SAMBALPUR	19	233	3276	3528
WALTAIR	05	476	5124	5605
TOTAL	46	1208	13409	14663

STATEMENT SHOWING CATEGORY WISE NO. OF STATIONS

DIVISION/GROUP	NSG 1	NSG 2	NSG 3	NSG 4	NSG 5	NSG 6	HG 1	HG 2	HG 3	TOTAL
KHURDA ROAD	0	3	5	4	11	91	1	21	14	150
SAMBALPUR	0	0	3	4	14	44	0	1	3	69
WALTAIR	1	0	3	5	14	71	0	13	8	115
TOTAL	1	3	11	13	39	206	1	35	25	334

STATE WISE ROUTE KILOMETERS, RUNNING TRACK KILOMETERS, TRACK KILOMETERS

STATE	COLOUR	ROUTE KILOMETER	RUNNING TRACK KILOMETER	TRACK KILOMETER
ANDHRA PRADESH		571,367	1135,244	1586,880
CHHATTISGARH		242,831	465,709	550,847
ODISHA		2348,240	4249,469	5135,683
TOTAL		3162,438	5850,422	7273,410

DIVISION WISE ROUTE KILOMETERS, RUNNING TRACK KILOMETERS, TRACK KILOMETERS

DIVISION	COLOUR	ROUTE KILOMETER	RUNNING TRACK KILOMETER	TRACK KILOMETER
KHURDA ROAD		1211,180	2243,290	2722,650
SAMBALPUR		844,814	1614,883	1950,449
WALTAIR		1106,444	1992,249	2600,311
TOTAL		3162,438	5850,422	7273,410

GANESH CHANDRA NAIK — Digitally signed by GANESH CHANDRA NAIK, Date: 2025.05.20 15:38:21 +05'30'
DY. CHIEF ENGINEER (Plg.)

HARIHARAN ANANTHARAMAN — Digitally signed by HARIHARAN ANANTHARAMAN, Date: 2025.05.20 15:55:03 +05'30'
CHIEF PLANNING & DESIGN ENGINEER

Any discrepancy / corrections required may be brought to the notice of CPDE, PCE's Office, EC0, Rly,, Bhubaneswar, Tel, 50520 (Rly,), 0674 - 2303210 (P&T)