पूर्व तट रेलवे
EAST COAST RAILWAY
प्रणाली मानचित्र
SYSTEM MAP
31 मार्च 2023 तक संशोधित
CORRECTED UP TO 31ST March 2023

पैमाना : 1 से.मी. = 10 कि.मी. ● Scale : 1 Cm. = 10 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	JRLJ - NYG	02 (DN)	1.330
		MZY - RQP	01 (UP)	0.798
		MZY - RQP	01 (DN)	0.320
		ANGL - TLHD	01 (SL)	0.249
		CTC - PRDP	01 (UP)	0.272
		NRG - SQQ	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	14	8.524
WALTAIR	D	KTV - KRDL	473	158.811
		SPRD - KRPU	109	55.783

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	76	99.991

ELEPHANT CORRIDORS

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

LEGEND

B. G. SINGLE LINE		DIVISIONAL HEAD QUARTERS	SBP ● KUR ● VSKP
B. G. NEW LINE IN PROGRESS		RAILWAY HEAD QUARTERS	
B. G. DOUBLE LINE		DISTRICT BOUNDARY	
B. G. DOUBLING IN PROGRESS		RIVER	
B. G. MULTIPLE LINE		NATIONAL HIGHWAY	
PROPOSED 3RD LINE		STATE HIGHWAY	
PROPOSED 4TH LINE		IMPORTANT TOURIST PLACES	
SURVEY IN PROGRESS		LOCO DIESEL/ELECTRIC SHED	D / E
SURVEY COMPLETED		HDN ROUTE	
S.C. RAILWAY		HUN ROUTE	
S.E. RAILWAY		MULTI FUNCTIONAL COMPLEX	M
S.E.C RAILWAY		ADARSH STATION	A
ELECTRIFIED LINE SINGLE / DOUBLE / MULTIPLE B. G.		AUTO SECTION	(S)
COAL MINES AREA		LONG HAUL LOOPS	
IRON ORES AREA		CATEGORY OF STATION (NSG & HG)	0 1 2 3 4 5 6
BAUXITE MINES AREA		NON CATEGORY & OTHER RLY. STATION	
CHROMITE MINES AREA		LATITUDE AND LONGITUDE LINE (APPROX)	20° N
MANGANESE MINES AREA			
GRAPHITE MINES AREA			
LIME STONE AREA			

ELECTRIFIED ROUTE

DIVISION	ROUTE KM.	RUNNING TRACK KM.	TRACK KM.
KUR	1161.690	2089.580	2559.630
SBP	749.094	1447.680	1731.217
WAT	1106.444	1851.881	2446.414
TOTAL	3017.228	5389.141	6737.261

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 - SUNAKHANI	18.430
	NTPC - Jn. Cabin - (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 - SLRA	3.650
	IB - JSGR	0.550
	LJR - JNR	54.300
	BLGR - JRTB	24.210
	HDS - PRDP	82.540
	ANGL - BALARAM	14.640
	BDPK - BGPL	92.830
	KUR - PUI	43.190
	KUR - NUAGAON	91.000
	JKPR - JRLJ	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
	TOTAL	**3017.228**

NEW LINES IN PROGRESS

SECTION	KM.
KHURDA RD. - BALANGIR	173.120
TALCHER - BIMLAGARH	135.570
JAYPORE - MALKANAGIRI	130.000
JAYPORE - NABARANGPUR	38.000
GUNUPUR - THERUVALI	79.150
TALCHER - ANGUL with Y-Connection at TLHR	14.475
SBP-GOPALPUR Via PHULBANI	241.000
GOALDIH - GANDHAMARDAN IRON ORE	12.760
SINGARAM - KODINGAMALI BAUXITE MINE	9.400

DOUBLING IN PROGRESS

SECTION	KM	SECTION	KM
BANSPANI - JAKHAPURA	36.980	BHADRAK - NERGUNDI (3rd Line)	69.276
KORAPUT - SINGAPUR RD.	145.660	SAMBALPUR - TALCHER	15.000
KHURDA RD-BARANG (3rd Line)	6.606	KIRANDUL - JAGDALPUR	43.519
BHADRAK-VIZIANAGARAM (3rd Line) in Balance Section	525.000	JARAPADA - BUDHAPANK with Fly Over at TALCHER RD.(3rd & 4th Line)	82.193
BAGHUAPALI Fly Over	20.000	VIZIANAGARAM - TITLAGARH (3rd Line)	248.429
BUDHAPANK-SALEGAON Via RAJATHGARH (3rd & 4th Line)	124.488	KOTTAVALASA - JAGDALPUR	149.926
Ore Exchange Complx-SCMN	5.22	BRUNDAMAL - JHARSUGUDA RD. Fly Over	6.600
		RHENBATA-SIKIR (By Pass Line)	12.65

SURVEY IN PROGRESS

3rd & 4th Line between Sambalpur - Jarapada (FLS), Nayagarh - Jakhapura (FLS)
3rd & 4th Line between Jharsuguda - Sambalpur (FLS)
New Line Rail Connectivity to Iron Ore Mines between Nayagarh - Bansapani
New Line between Bhawanipatna - Kesinga Via Utkela
New Chord Line from Rajathagarh To Kaipadar Road to avoid Bhubaneswar - Khurda Road busy Route (FLS)
Separate Line with Flyover at Cuttack, Flyover at Gopalpur Port, Machhapur, Dhhatrapur, Flyover at Vizianagaram (Updating)
Flyover at Sambalpur, Sambalpur City (Double Flyover, Sarla), Singapur Rd. B Cabin
Flyover at Sarla from Sambalpur City end to connect the DN Grid of Sarla (FLS)
New Line between Talcher - Gopalpur, Ganjam (FLS)
New Line between Junagarh - Nawarangpur & Malakanagiri -Bhadrachalam (FLS)
New Line between Bangarh - Nawapara Via Padmpur (FLS)
New Line between Bolangir - Nawapara Via Patnagarh (FLS), Flyover at Khurda Road (FLS)
3rd & 4th line between Paradeep - Badabandha, Gorakhnath - Rahama, Baghuapal - Sukinda Road, Hansirkar Road - Kantabanji (FLS)
FLS for 4th Line between Jakhapura - Haridaspur, FLS for Outer Corridor of Talcher Coalfield from Tentuloi to Budhapank, FLS for New Line between Puri and Konark, FLS for Daitary Station to Balipatnat Iron Ore Mines, FLS for Nayagarh Station to Duduma Iron Ore Mines, FLS for Flyover at Rajathgarh and Machhapur, FLS for Flyover at Titlagarh, FLS for Flyover at Sambalpur City, FLS for New Line between Raipur and Sambalpur, FLS for 4th Line between Kottavalsa – Vizianagaram, FLS for Flyover at Vizianagaram

NEW SURVEY SANCTIONED IN 2023-24

NIL

AUTO SECTION

KUR - BRAG - CTC - NRG - CBT - MZY - RJGR
DVD - GPT, SCMN - GPT - VSKP, SCMN - DVD Bypass Line, SCMN-PDT-KTV-KPL-ALM

HDN ROUTE

DIVISION	SECTION
KHURDA ROAD	HOWRAH - VSKP - DVD (MIL)
SAMBALPUR	Paradeep - Cuttack - Barang - Rajathgarh - Angul Nayagarh - Jakhapura
WALTAIR	Angul - Sambalpur - Titlagarh - Raipur, Titlagarh - Theruvali, Sambalpur - Jharsuguda Road
	Vizianagaram - Theruvali, Singapur Rd. - Koraput Kottavalasa - Jagdalpur - Kirandul

HUN ROUTE

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

DETAILS OF LEVEL CROSSING

DIVISION	MANNED ROUTE B	MANNED ROUTE D	MANNED TOTAL	UN-MANNED TOTAL
KHURDA ROAD	158	153	311	0
SAMBALPUR	-	183	183	0
WALTAIR	36	153	189	0
TOTAL	194	489	683	0

DETAILS OF BRIDGES

DIVISION	IMPORTANT	MAJOR	MINOR	TOTAL
KHURDA ROAD	18	394	4126	4538
SAMBALPUR	17	192	3015	3224
WALTAIR	05	423	4724	5152
TOTAL	40	1009	11865	12914

STATEMENT SHOWING CATEGORY WISE NO. OF STATIONS

DIVISION/GROUP	CATEGORY OF STATION NSG 1	NSG 2	NSG 3	NSG 4	NSG 5	NSG 6	HG 1	HG 2	HG 3	TOTAL
KHURDA ROAD	0	2	5	2	11	83	0	17	16	136
SAMBALPUR	0	0	1	3	16	40	0	4	0	64
WALTAIR	0	1	1	5	11	78	1	11	9	117
TOTAL	0	3	7	10	38	201	1	28	29	317

STATE WISE ROUTE KILOMETERS, RUNNING TRACK KILOMETERS, TRACK KILOMETERS

STATE	COLOUR	ROUTE KILOMETER	RUNNING TRACK KILOMETER	TRACK KILOMETER
ANDHRA PRADESH		571.372	1080.547	1525.044
CHHATTISGARH		242.831	444.213	527.243
ODISHA		2203.025	3864.381	4699.338
TOTAL		3017.228	5389.141	6751.625

DIVISION WISE ROUTE KILOMETERS, RUNNING TRACK KILOMETERS, TRACK KILOMETERS

DIVISION	COLOUR	ROUTE KILOMETER	RUNNING TRACK KILOMETER	TRACK KILOMETER
KHURDA ROAD		1161.690	2089.580	2559.630
SAMBALPUR		749.094	1447.680	1745.581
WALTAIR		1106.444	1851.881	2446.414
TOTAL		3017.228	5389.141	6751.625

25 T AXLE LOAD RAKE MOVEMENT ROUTE

BSPX-DATR-JKPR-CTC-PRDP, HDS-PRDP, BHC- Dhamra, JKPR-BHC-RNTL, SKND-JJKR
CTC-BRAG-PSA-VZM, JSG-SBP-TIG-SPRD, SLRA-SBPY, JSGR-IB, MZY-RQP-BRAG, KIS-SQQ
RJGR-RQP, NRG-SQQ-MZ-RJGR-BDPK-ANGL-KPJG, BDPK-TLHR, TLHR-TLHD
KRDL-KRPU-KTV-VSKP, KRPU-RGDA-VZM-VSKP, GPT-DVD (BYE PASS LINE)

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