# पूर्व तट रेलवे
# EAST COAST RAILWAY
## प्रणाली मानचित्र • SYSTEM MAP
### (DISTRICT WISE)

**31 मार्च 2024 तक संशोधित**
**CORRECTED UP TO 31ST March 2024**

**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 | JRLI - NYG | 02 (DN/UP) | 2.660 |
| | | ARGL - HPGM | 01 (SL) | 0.767 |
| | | ANGL - TLHD | 01 (DN) | 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 | 15 | 9.336 |
| | | KTV - KRDL | 486 | 163.052 |
| WALTAIR | D | SPRD - KRPU | 113 | 57.297 |

### 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 | 83 | 105.103 |

### ELEPHANT CORRIDORS

| DIVISION | NAME OF SECTION |
|---|---|
| KHURDA ROAD | BYY-KIS, SQQ-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-UJJA, JUJA-CHAR, CHAR-RAIR, RAIR-BAMB, BONA-JRPD |
| WALTAIR | LJR-AMB & AMB-DKLU, NRLR-LJR<br>NIL |

### LEGEND

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

### ELECTRIFIED ROUTE

| DIVISION | ROUTE KM. | RUNNING TRACK KM. | TRACK KM. |
|---|---|---|---|
| KUR | 1194.340 | 2188.810 | 2662.040 |
| SBP | 770.794 | 1484.380 | 1783.948 |
| WAT | 1106.444 | 1936.209 | 2541.335 |
| TOTAL | 3071.578 | 5609.399 | 6987.323 |

### NEW LINES IN PROGRESS

| SECTION | TOTAL KM. | COMMISSIONED KM. | BALANCE KM. |
|---|---|---|---|
| KHURDA RD. - BALANGIR | 289.000 | 152.280 | 136.720 |
| TALCHER - BIMLAGARH | 154.000 | 28.250 | 125.750 |
| JAYPORE - MALKANAGIRI | 130.000 | 0.000 | 130.000 |
| JAYPORE - NABARANGPUR | 38.000 | 0.000 | 38.000 |
| TALCHER - ANGUL with Y-Connection at TLHR | 14.475 | 0.000 | 14.475 |
| 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 |

### DOUBLING IN PROGRESS (BALANCE)

| SECTION | KM | SECTION | KM |
|---|---|---|---|
| KORAPUT - SINGAPUR RD. | 131.060 | 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 |
| BUDHAPANK-SALEGAON | 124.488 | VIZIANAGARAM - TITLAGARH (3rd Line) | 175.676 |
| RAYAGADA-GATE-I - GANGA PURAM PORT (3rd & 4th Line) | 12.040 | KOTTAVALASA - KORAPUT | 82.290 |
| BAGHUAPAL Fly Over | 20.000 | JAGDALPUR - KORAPUT | 20.970 |
| Ore Exchange Complx-SCMN | 5.220 | BRUNDAMAL - JHARSUGUDA RD. (Fly Over) | 6.600 |
| VASALADDI GATE - GANGA PURAM PORT (3rd & 4th Line) | 12.040 | RHENBATA-SIKIRI (By Pass Line) | 12.65 |
| SARLA - SASON Jn. (2nd & 4th Line) | 16.000 | DUVADA - SIMANCHALAM NORTH (2nd & 4th Line) | 20.543 |
| HARIDASPUR Fly Over | 4.730 | PENDURTI - SIMANCHALAM NORTH (Fly Over) | 7.135 |
| SIJU - PARADEEP (Fly Over) | 7.000 | KOTTAVALASA - VIZIANAGARAM (4th Line) | 34.700 |
| NERGUNDI - BARANG (3rd Line) | 22.000 | PARADEEP - BADABANDHA (3rd & 4th Line) | 18.510 |
| MCRL - Inner Corridor Phase-1 | 10.930 | VISAKHAPATNAM - GOPALAPATNAM (3rd & 4th Line) | 15.310 |
| BHADRAK - NERGUNDI (3rd Line) | 60.303 | Fly Over from SAMBALPUR CITY TO SARLA | 4.660 |

### SURVEY IN PROGRESS

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

FLS for new cord line from Rajathgarh to Kalpadar Rd. to avoid Bhubaneswar & Khurda Rd. busy route (In Principal Approved accorded to OROL by Railway Board to take up pre- investment activities).

FLS for New line rail connectivity to Iron Ore mines between Nayagarh - Banapani (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 doubling of Angul - Sukinda line.

FLS for new line from Barkot to Jharsuguda.

FLS for new line between Jajpur Keonjhar Rd & Dhamra Port via Jajpur & Aradi.

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

FLS for new line from Dattery station to Baliparbat Iron Ore Mines.

FLS between KTV-Anakapalli (Bypass Line)

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

FLS for new line from Nayagarh station to Dubuna Iron Ore.

FLS for 4th line from Jakhpura to Haridaspur.

FLS for 3rd & 4th line from Jarapada to Sambalpur City.

FLS for 3rd & 4th line from Jharsuguda to Sambalpur.

2(FLS for 3rd line (patch) & 4th line from Vizianagaram to Raipur.

FLS for 4th line Rantkal Jn. Cabin - Bhadrak.

FLS for 4th line Bhadrak - Jakhapura Jn.

FLS for 4th line Haridaspur - Vizianagaram Jn.

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

FLS for 3rd & 4th line Simhachalam North Jn. - Gopalpatnam

FLS for 3rd & 4th line Gopalpatnam - Duvvada

FLS for 3rd line at Khurda Road

FLS for flyover at Titlagarh

FLS for flyover at Rajathagarh & Machapur

FLS for flyover at Vizianagaram Station

FLS for flyover at Cuttack Station

FLS for new line between Angul and Nayagarh Town via Narsinghpur, Kantilo and Khandapada and a chord line between Khurda Town and Kalpadar Rd.

### NEW SURVEY SANCTIONED IN 2024-25

NIL

### 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 TSG |
| WALTAIR | KRDL, KRPU RGDA, VSKP | NIL | KRPU, RGDA VSKP |

### DETAILS OF LEVEL CROSSING

| DIVISION | MANNED ROUTE B | MANNED ROUTE D | MANNED TOTAL | UN-MANNED TOTAL |
|---|---|---|---|---|
| KHURDA ROAD | 155 | 151 | 306 | 0 |
| SAMBALPUR | - | 182 | 182 | 0 |
| WALTAIR | 31 | 149 | 180 | 0 |
| TOTAL | 186 | 482 | 668 | 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 | 168.640 |
| | TLHR - SAMAL | 28.250 |
| | 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 - SONEPUR | 45.910 |
| | 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 |
| | **TOTAL** | **3071.578** |

### 25 T AXLE LOAD RAKE MOVEMENT ROUTE

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

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

RJGR-BDPK, 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

NIL

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 | Angul - Sambalpur - Titlagarh, Sambalpur - Jharsuguda Road, Theruvali - Titlagarh - Raipur |
| WALTAIR | Vizianagaram - Theruvali, Singapur Rd. - Koraput, Kottavalasa - Jagdalpur - Kirandul |

### AUTO SECTION

KUR - BRAG - CTC - NRG - CBT - MZY - RJGR, CTC - KDRP

DVD - GPT, SCMN - GPT - VSKP, SCMN - DVD Bypass Line, SCMN-PDT-KTV-KPL-ALM-KUK-VZM

### DETAILS OF BRIDGES

| DIVISION | IMPORTANT | MAJOR | MINOR | TOTAL |
|---|---|---|---|---|
| KHURDA ROAD | 22 | 467 | 4957 | 5446 |
| SAMBALPUR | 18 | 208 | 3090 | 3316 |
| WALTAIR | 05 | 428 | 4745 | 5178 |
| TOTAL | 45 | 1103 | 12792 | 13940 |

### 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 | 94 | 0 | 17 | 16 | 147 |
| SAMBALPUR | 0 | 0 | 1 | 3 | 16 | 43 | 0 | 0 | 4 | 67 |
| WALTAIR | 0 | 1 | 1 | 5 | 11 | 78 | 1 | 11 | 9 | 117 |
| TOTAL | 0 | 3 | 7 | 10 | 38 | 215 | 1 | 28 | 29 | 331 |

### STATE WISE ROUTE KILOMETERS, RUNNING TRACK KILOMETERS, TRACK KILOMETERS

| STATE | COLOUR | ROUTE KILOMETER | RUNNING TRACK KILOMETER | TRACK KILOMETER |
|---|---|---|---|---|
| ANDHRA PRADESH | | 571.367 | 1132.956 | 1584.592 |
| CHHATTISGARH | | 242.831 | 444.213 | 527.243 |
| ODISHA | | 2257.380 | 4032.230 | 4875.488 |
| TOTAL | | 3071.578 | 5609.399 | 6987.323 |

### DIVISION WISE ROUTE KILOMETERS, RUNNING TRACK KILOMETERS, TRACK KILOMETERS

| DIVISION | COLOUR | ROUTE KILOMETER | RUNNING TRACK KILOMETER | TRACK KILOMETER |
|---|---|---|---|---|
| KHURDA ROAD | | 1194.340 | 2188.810 | 2662.040 |
| SAMBALPUR | | 770.794 | 1484.380 | 1783.948 |
| WALTAIR | | 1106.444 | 1936.209 | 2541.335 |
| TOTAL | | 3071.578 | 5609.399 | 6987.323 |

BASANTA KUMAR TRIPATHY
Digitally signed by BASANTA KUMAR TRIPATHY
Date: 2024.05.22 18:32:46 +05'30'
DY. CHIEF ENGINEER (Plg.)

SRINIVASARAO BELLALA
Digitally signed by SRINIVASARAO BELLALA
Date: 2024.05.22 18:40:51 +05'30'
CHIEF PLANNING & DESIGN ENGINEER

Drawn BY : (Safoj Das, SSE/Drg.)

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)

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