

## 1. Construction of 8 New Crossing stations & 7 Additional loop lines

- The work of construction of new crossing stations and construction of additional loop lines was approved by Ministry of Railways vide Rly Board letter No. 2014/PL/50/15 dtd 18.04.2016.

| Salient Features |                             |                        |
|------------------|-----------------------------|------------------------|
| Sr. No.          | Description                 | Remarks                |
| 1                | Length of Line              | 37.472 Km              |
| 2                | Gauge                       | Broad Gauge (1676 mm)  |
| 3                | Ruling Gradient             | 1 in 150 (Compensated) |
| 4                | Pipe Culverts including Box | 22                     |
| 5                | Slab bridges including RUBs | 10                     |
| 6                | Road Over Bridge            | 1                      |
| 7                | Aqueduct                    | 1                      |
| 8                | Foot Over Bridge            | 1                      |
| 9                | New crossing Station        | 8 Nos.                 |
| 10               | Loop lines                  | 7 Nos.                 |

- The construction of 8 nos. of new crossing stations and 7 nos. of additional loop lines is completed on 31<sup>st</sup> March 2021. The details of 8 new stations and 7 loop lines are shown in below table:

| Sr. No. | New Crossing Stations | Chainage | Current status             |
|---------|-----------------------|----------|----------------------------|
| 1       | Sape Wamane           | 55/350   | Commissioned on 28-12-2020 |
| 2       | Kalambani             | 90/800   | Commissioned on 28-02-2021 |
| 3       | Kadavai               | 163/507  | Commissioned on 16-02-2021 |
| 4       | Veravali              | 245/230  | Commissioned on 26-03-2021 |
| 5       | Kharepatan            | 275/700  | Commissioned on 27-11-2020 |
| 6       | Achirne               | 292/820  | Commissioned on 13-03-2021 |
| 7       | Mirjan                | 548/480  | Commissioned on 30-01-2021 |
| 8       | Innanje               | 701/250  | Commissioned on 25-11-2020 |
| Sr. No. | Additional Loop Lines | Chainage | Current status             |
| 1       | Vinhere               | 72/714   | Commissioned on 21-01-2021 |
| 2       | Anjani                | 111/690  | Commissioned on 02-10-2019 |
| 3       | Sawarda               | 146/302  | Commissioned on 05-02-2019 |
| 4       | Adavali               | 235/280  | Commissioned on 28-12-2019 |
| 5       | Rajapur               | 267/349  | Commissioned on 07-03-2019 |
| 6       | Vaibhavwadi           | 283/943  | Commissioned on 28-05-2019 |
| 7       | Murdeshwar            | 596/005  | Commissioned on 04-05-2019 |



**Vinhere Aqueduct**



**Rajapur Loop Line**



**Kharepatan Road Station**



**Innanje Station**



**Veravali Station**



**Sape Wamane Station**



**Mirjan Station**



**Achirne Station**



**Murdeswar Loop Line**



**Adavali Loop Line**



**Vaibhavwadi Loop Line**



**Anjani Loop Line**



**Sawarda Loop Line**



**Kalambani Budruk Station**

## 2. MRPL Siding:

Memorandum of Understanding was signed between Konkan Railway and Mangalore Refinery and Petrochemicals Limited for the work of Construction of proposed MRPL siding including earthwork, bridges, track linking and approach road near Thokur Railway station of Konkan Railway in Karwar Region on Deposit term basis. The work was commissioned on 10th July 2019.

| Sr. No. | Description   | Details                                       |
|---------|---|---|
| 1       | Take off Point at km 738/130                                    | KM 00.00 From Thokur Railway Station          |
| 2       | Track Details:  |   |
| a       | Route Length  | 1.587 KM                                      |
| b       | Track Length  | 3.520 KM                                      |
| c       | Ballast   | 8500 cum                                      |
| d       | Points and crossing 1 IN 8 1/2                                  | 10 nos  |
| 3       | Details of Bridges  |   |
|         | Bridge No. 1 : CH 600   | 11.11 X 4.80 X 0.75 M 2Nos. RCC Deck Slab     |
|         | Bridge No. 2 : CH 636   | 1 X18 M PSC I-girder                          |
|         | Bridge No. 3 : CH 740   | 1 X12.2 M PSC Slab Bridge                     |
|         | Bridge No. 4 : CH 840   | 1X12.2 M PSC Slab Bridge                      |
|         | Bridge No 5&6 : CH 890  | 2X30 M PSC I-girder                           |
|         | Bridge No. 8 : CH 960   | 2X1.2 M RCC Pipe                              |
|         | Bridge No. 9 : CH 1172  | 1X6.15M RCC Slab                              |
|         | Bridge No. 10 : CH 1300   | 1X9.15M RCC Slab                              |
| 4       | Pile foundations,   | 1000 mm dia, 2100 Rmt<br>1200 mm dia, 960 Rmt |
| 5       | Earth work excavation in Cutting and filling. (Department soil) | 14,900 cum                                    |
| 6       | Earth work in filling with contractors moorum                   | 1,55,400 cum                                  |
| 7       | Ground Improvement Work (PVD)                                   | 70,000 Rmt                                    |
| 8       | Sand & Geo-textile  | 9100 Cum & 32,000 Sqm                         |
| 9       | Inspection pathway  | 800 m   |
| 10      | Rail Level Platform for Loop – III at TOK                       | 400 x 3.0 m                                   |
| 11      | Approach Roads  | 600 RMT                                       |



**Bridge no 1 at Chainage-600**



**Bridges no 2 at Chainage-636.**



**Bridge no 3 at Chainage-740**



**Bridge no 4 at Chainage-840**



**Bridge no 5&6 at Chainage-880/890**

### **3. MRPL Additional Work**

The construction of the proposed embankment protection and other additional works were completed on 24 December 2020 by providing RCC hume pipe drain along the affected embankment.

### **4. Construction of Flyover for MSEZL**

Memorandum of Understanding was signed between Konkan Railway and Mangalore Special Economic Zone Limited (MSEZ) for the work of Construction of Flyover (2X45m +1X18 M) at Km 739/611 near Thokur for MSEZL work in Karnataka State. The work was completed on 31.12.2020 in all respects.



### 5. Construction of ROB for MSEZL

Construction of Road Over Bridges (ROB) at Km 739/093 at Thokur for MSEZL works in KAWR Region is in progress.



### 6. Construction of 3.00 X 2.50 M RCC Precast Box

Construction of 3.00 X 2.50 M RCC Precast Box (Segmental) by Cut and cover technic in lieu of LC-61 at Km 549/000. The work is completed on January 2020.



## 7. Geo safety Works along Konkan Route

### Flattening of cutting slope and protective works in cutting

| Sr. No. | Name of Cutting | Location (km) |         |
|---------|-----------------|---------------|---------|
|         |                 | From          | To      |
| 1       | Shirsawane      | 70/700        | 71/100  |
| 2       | Agave           | 148/200       | 149/078 |
| 3       | Bordave         | 321/970       | 322/680 |
| 4       | Ukshi           | 183/800       | 184/300 |

### Rock bolting and Shotcreting work in tunnels

| Sr. No. | Name of tunnel | Location (km) |         |
|---------|----------------|---------------|---------|
|         |                | From          | To      |
| 1       | Karbude        | 189/100       | 195/700 |
| 2       | Ashti          | 108/400       | 109/400 |
| 3       | Padi           | 464/600       | 465/000 |



Earthwork at Agave Cutting



Hard rock cutting at Ukshi



Rockbolting work at Ashti Tunnel



Shotcreting work at Ashti Tunnel



**Rockbolting and Shotcreting at Ashti tunnel**



**Rockbolting at Padi tunnel**



**Bordave Cutting**

### **8. LC-45 RUB @438/580**

Construction of 2X6.00X4.00m RCC Box (RUB) in lieu of LC-45 by RCC Box pushing technique at Km 438/580 between VERNA-MAJORDA Section in Goa State is completed on 50:50 cost sharing basis with Goa PWD.



**RUB @ 438/580 in lieu of LC-45**



## 9. Project Seabird RUB at Km 512/210

Construction of 1 X 6.00 X 4.30m RCC Box (RUB) by box pushing technique at Km 512/210 in KAWR -HAA section in Karwar Region on Deposit Work basis for Project Seabird, Indian Navy. About 64% work is completed.



*Assembling of RH Girder at Seabird RUB @ Km 512/210*

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Last updated on 31<sup>st</sup> May 2023