

**Annexure XXI**

**(Para 2.7.2)**

**Statement showing details of budget allotment/ funds surrendered in respect of ROBs/ RUBs works by Southern Railway and Tamil Nadu Government during 2000-01 to 2003-04**

**(Rs. in lakh)**

Sl. No.	Details of ROBs/ RUBs	Year of sanction	Estimated cost		Particulars	State Government				Railways				Percentage of progress	
			State Government	Railways		2000-01	2001-02	2002-03	2003-04	2000-01	2001-02	2002-03	2003-04	Road Approach	Railway Bridge
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	RUB in Velankulam Bypass in LC-20-CBE-PGT sec.	1993-94	74.00	80.00	Budget provision	334.50	90.00	300.00	500.00	63.38	3.00	10.00	30.00	53.00	0.00
					Surrender	334.50	89.00	275.00	0.00	63.38	3.00	4.00	29.75		
2	ROB at Thirupadripuliyur in LC 159 & 160	1996-97	406.00	334.00	Budget provision	334.50	200.00	200.00	20.00	150.00	18.00	10.00	50.00	59.00	100.00
					Surrender	334.50	200.00	190.00	0.00	149.25	1.00	0.00	5.00		
3	ROB Vengamedu LC 37	1998-99	814.00	423.00	Budget provision	370.50	80.00	300.00	400.00	75.00	130.00	70.00	100.00	90.00	14.00
					Surrender	370.50	0.00	200.00	155.92	75.00	129.00	69.95	60.00		
4	ROB LC 100 - Morappur Km.267/4	1998-99	470.00	380.00	Budget provision	226.50	50.00	250.00	400.00	100.00	130.00	200.00	5.00	38.00	19.00
					Surrender	226.50	0.00	150.00	265.80	99.00	129.00	199.95	0.00		
5	ROB LC 18 between Tiruvellore & Kadambattur	1999-00	717.00	526.00	Budget provision	550.20	190.00	300.00	20.00	125.00	130.00	250.00	200.00	62.00	100.00
					Surrender	549.45	187.50	250.00	0.00	51.00	20.00	200.00	176.00		
6	ROB LC 114 near Sivathapuram	2000-01	264.84	247.18	Budget provision	319.38	65.00	250.00	60.00	10.00	70.00	30.00	50.00	0.00	2.00
					Surrender	318.13	64.00	240.00	59.72	10.00	70.00	27.96	42.00		
7	ROB LC 128 between Uttukuli & Tiruppur	2000-01	559.00	560.00	Budget provision	319.38	8.00	350.00	20.00	10.00	50.00	20.00	50.00	5.00	18.00
					Surrender	317.38	5.00	344.00	0.00	10.00	50.00	19.50	41.00		
8	ROB LC 363 between Sellur & Kudal Nagar	2000-01	587.00	547.00	Budget provision	431.76	175.00	100.00	120.00	10.00	50.00	150.00	50.00	48.00	40.00
					Surrender	429.86	168.00	50.00	0.00	10.00	34.00	105.00	48.00		
9	ROB LC 360 between Samayanallur & Kudal Nagar	2000-01	594.00	549.00	Budget provision	383.85	175.00	100.00	130.00	10.00	50.00	150.00	50.00	43.00	40.00
					Surrender	382.35	168.00	90.00	0.00	10.00	40.00	138.00	10.00		
10	ROB LC 437 between Koil Patti & Nalli	2000-01	754.00	541.00	Budget provision	310.29	175.00	200.00	130.00	10.00	30.00	150.00	50.00	3.00	100.00
					Surrender	308.79	155.00	150.00	24.30	10.00	0.00	122.00	49.00		
11	ROB LC 440 Koil Patti	2000-01	547.00	541.00	Budget provision	310.41	175.00	200.00	30.00	10.00	30.00	200.00	30.00	1.50	100.00
					Surrender	308.61	170.00	150.00	0.00	10.00	0.00	171.00	15.00		
12	ROB LC 10 between Madras Arakkonam	2000-01	700.00	578.00	Budget provision	328.92	0.00	200.00	70.00	10.00	50.00	10.00	50.00	0.00	0.00
					Surrender	328.17	0.00	199.99	66.00	10.00	49.00	9.50	49.00		
13	ROB LC 10 between Madras Gudur	2000-01	777.00	560.00	Budget provision	319.08	0.00	200.00	70.00	10.00	50.00	5.00	10.00	0.00	0.00
					Surrender	318.58	0.00	190.00	66.00	8.50	49.00	4.99	9.00		

Sl. No.	Details of ROBs/ RUBs	Year of sanction	Estimated cost		Particulars	State Government				Railways				Percentage of progress	
			State Government	Railways		2000-01	2001-02	2002-03	2003-04	2000-01	2001-02	2002-03	2003-04	Road Approach	Railway Bridge
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
14	ROB LC 33 at Arakkonam	2000-01	653.00	291.00	Budget provision	319.38	5.00	100.00	100.00	10.00	20.00	20.00	20.00	10.00	0.00
					Surrender	317.46	3.20	70.00	25.00	10.00	19.50	19.77	19.00		
15	ROB LC 34 between Tambaram & Chenglepet	2000-01	578.00	578.00	Budget provision	328.92	0.00	200.00	100.00	10.00	30.00	15.00	40.00	0.00	0.00
					Surrender	328.17	0.00	195.15	96.00	10.00	29.50	14.90	39.66		
16	ROB LC between Tiruvalam & Katpadi	2000-01	711.00	515.00	Budget provision	292.74	5.00	100.00	70.00	10.00	0.00	10.00	80.00	0.00	0.00
					Surrender	292.74	3.50	90.00	65.00	10.00	0.00	8.57	79.00		
17	ROB LC 234 Valadi	2000-01	583.00	583.00	Budget provision	344.10	20.00	300.00	100.00	10.00	18.00	20.00	30.00	1.00	40.00
					Surrender	343.10	19.00	299.80	88.30	10.00	17.50	12.00	8.00		
18	ROB LC 202 Chidambaram	1996-97	225.00	223.00	Budget provision	252.00	100.00	100.00	100.00	150.00	18.00	25.00	30.00	0.00	0.00
					Surrender	252.00	100.00	95.00	97.50	149.00	16.00	24.99	29.75		
19	ROB LC 129 Uttukuli & Tiruppur	2000-01	551.00	551.00	Budget provision	320.88	20.00	300.00	150.00	10.00	20.00	15.00	50.00	9.00	0.00
					Surrender	320.88	19.00	290.00	110.79	10.00	19.00	14.99	49.85		
20	ROB LC Irugur & Tiruppur	2000-01	459.00	411.00	Budget provision	320.88	60.00	300.00	150.00	10.00	70.00	20.00	50.00	12.00	2.00
					Surrender	320.88	59.00	290.00	44.07	10.00	69.00	19.98	30.00		
21	ROB LC 9 between Omalur & Mettur	2000-01	555.00	555.00	Budget provision	310.80	80.00	300.00	100.00	10.00	100.00	20.00	30.00	61.00	5.00
					Surrender	310.80	59.00	290.00	0.00	10.00	99.00	18.50	29.15		
22	ROB LC 126 between Irugur & Tiruppur	2000-01	555.00	556.00	Budget provision	320.88	40.00	250.00	400.00	10.00	100.00	40.00	40.00	0.00	0.00
					Surrender	320.88	39.00	220.00	399.33	10.00	99.00	39.98	37.75		
23	ROB LC 90 between Tirupattur & Moolakaraipatti	2000-01	387.00	386.00	Budget provision	279.12	5.00	50.00	70.00	10.00	100.00	20.00	70.00	27.00	0.00
					Surrender	279.12	4.90	45.00	0.00	10.00	99.00	19.99	0.00		
24	ROB LC 485 between Tuticorin & Milavittan	2000-01	612.00	558.00	Budget provision	310.80	75.00	150.00	150.00	10.00	80.00	150.00	30.00	0.00	20.00
					Surrender	310.80	72.70	150.00	149.50	10.00	68.00	143.00	0.00		
25	ROB LC 439 at Koilpatti	2000-01	546.00	546.00	Budget provision	310.80	75.00	150.00	100.00	20.00	20.00	40.00	10.00	0.00	0.00
					Surrender	310.80	73.00	150.00	100.00	20.00	19.00	39.83	10.00		
26	ROB LC 64 between Gudiyattam & Melatham	2000-01	487.00	321.00	Budget provision	320.88	5.00	100.00	100.00	10.00	0.00	20.00	55.00	0.00	0.00
					Surrender	320.88	3.50	100.00	95.00	10.00	0.00	19.80	54.00		
27	ROB LC 12 between Madras & Arakkonam	2000-01	800.00	578.00	Budget provision	330.72	0.00	200.00	100.00	10.00	50.00	30.00	40.00	0.00	0.00
					Surrender	330.72	0.00	100.00	99.55	10.00	49.50	29.73	39.75		

Sl. No.	Details of ROBs/ RUBs	Year of sanction	Estimated cost		Particulars	State Government				Railways				Percentage of progress	
			State Government	Railways		2000-01	2001-02	2002-03	2003-04	2000-01	2001-02	2002-03	2003-04	Road Approach	Railway Bridge
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
28	ROB LC 303 between Tanjavur and Titte	2000-01	760.00	541.00	Budget provision	312.24	20.00	350.00	100.00	10.00	30.00	50.00	5.00	0.13	0.00
					Surrender	312.24	17.00	345.00	99.50	10.00	29.50	49.99	4.75		
29	ROB LC 145 between Gudalur & Mysore Road	1999-00	1185.00	451.50	Budget provision	0.00	50.00	350.00	496.00	125.00	100.00	300.00	140.00	55.00	0.00
					Surrender	0.00	49.00	320.06	35.07	125.00	99.00	298.21	122.00		
30	ROB LC 91 Tiruputtur & Moolakaraipatti	2000-01	572.00	560.00	Budget provision	320.88	0.00	50.00	70.00	10.00	50.00	15.00	40.00	0.00	0.00
					Surrender	320.88	0.00	45.00	65.00	10.00	50.00	14.99	39.91		
31	RUB near St. Thomas Mount Railway Station	1999-00	525.00	525.00	Budget provision	38.75	125.00	324.60	1.00	100.00	200.00	250.00	50.00	100.00	100.00
					Surrender	0.00	11.92	294.60	0.00	0.00	67.00	213.00	48.00		
32	ROB LC 364 New Jail Road near Madura Coats/ Madurai	1999-00	384.00	290.00	Budget provision	1.00	143.00	1.00	1.00	100.00	130.00	200.00	150.00	100.00	100.00
					Surrender	0.00	0.00	0.00	0.00	0.00	102.00	199.99	149.00		
33	ROB at LC 406 between Virudhunagar & Tenkasi	1996-97	458.00	398.00	Budget provision	450.00	30.09	1.00	1.00	150.00	100.00	300.00	80.00	100.00	100.00
					Surrender	182.00	0.00	0.00	0.00	130.00	98.00	297.69	0.00		
34	ROB LC 84 Palakkarai	1998-99	643.00	532.00	Budget provision	450.00	250.00	555.47	8.00	130.00	130.00	350.00	30.00	100.00	100.00
					Surrender	312.00	90.95	67.86	0.00	115.00	61.00	310.00	0.00		
35	ROB LC 85 between Tirucchi Fort & Palakkarai	1998-99	978.00	724.00	Budget provision	650.00	200.00	807.93	160.00	130.00	130.00	420.00	60.00	41.00	100.00
					Surrender	543.00	0.00	487.78	0.00	110.00	48.00	370.00	32.00		
36	ROB at LC 246 Srirangam	1998-99	565.00	583.00	Budget provision	425.00	200.00	372.98	7.00	130.00	130.00	320.00	70.00	100.00	100.00
					Surrender	207.19	0.00	175.02	0.25	92.00	17.00	298.00	42.40		
37	ROB LC 241 Uttamarkoil	1998-99	558.00	627.00	Budget provision	425.00	200.00	341.48	8.00	125.00	130.00	350.00	100.00	100.00	100.00
					Surrender	264.00	0.00	279.39	7.96	83.40	0.00	234.00	85.00		
38	ROB LC 28 MIT Gate	1998-99	947.00	441.00	Budget provision	0.00	514.00	924.25	1127.30	150.00	130.00	270.61	180.50	54.00	100.00
					Surrender	0.00	0.00	0.00	362.30	134.00	113.10	245.46	166.50		
39	ROB LC 96 at Tindivanam	1997-98	418.00	435.00	Budget provision	0.00	0.00	0.00	0.00	150.00	50.00	300.00	100.00	100.00	100.00
					Surrender	0.00	0.00	0.00	0.00	11.50	0.00	270.00	94.65		
40	RUB LC 12 Saidapet	1998-99	259.00	259.00	Budget provision	0.00	0.00	0.00	0.00	100.00	100.00	219.39	80.00	100.00	100.00
					Surrender	0.00	0.00	0.00	0.00	10.00	88.00	219.38	79.50		
41	ROB LC 216 Mayiaduturai and Tanjavur *	2000-01		541.00	Budget provision	0.00	0.00	0.00	0.00	10.00	20.00	60.00	30.00	0.13	0.00
					Surrender	0.00	0.00	0.00	0.00	10.00	19.85	59.99	30.00		
<b>TOTAL</b>			<b>23217.84</b>	<b>19425.68</b>	<b>Budget provision</b>	<b>11975.04</b>	<b>3605.09</b>	<b>9628.71</b>	<b>5739.30</b>	<b>2303.38</b>	<b>2847.00</b>	<b>5105.00</b>	<b>2415.50</b>		
					<b>Surrender</b>	<b>11027.86</b>	<b>1831.17</b>	<b>6878.65</b>	<b>2577.86</b>	<b>1646.03</b>	<b>1970.45</b>	<b>4578.58</b>	<b>1853.37</b>		

\* Estimated cost of State Government not available.

**Annexure XXII**

**(Para 2.7.4)**

**Statement showing details of ROB/ RUBs with extra road width on approaches shared by Southern and South Western Railways**

<b>Sl. No.</b>	<b>Particulars of ROB/ RUB</b>	<b>Length of the extra carriage way (in metres)</b>	<b>Cost of additional width of road approach to be realised from the State Government (Rs. in crore)</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<b>Southern Railway</b>			
1.	ROB in lieu of LC 360 at Km.490/7-8 at Kudal Nagar section	3.4	1.57
2.	ROB in lieu of LC 363 at Km.493/4-5 on Banaras – Cape Comerin Road section	3.4	1.57
3.	ROB in lieu of LC 437 at Km.586/1-2 in Virudhunagar – Vanchi Maniyachi section	3.4	0.88
4.	ROB in lieu of LC 485 in Vanchi Maniyachi – Tirunelveli section	3.4	1.57
<b>Total</b>			<b>5.59</b>
<b>South Western Railway</b>			
1.	ROB in lieu of LC 139 at Km.407/10-11 in BYPL – SA section	4.8	2.97
2.	ROB in lieu of LC 138 at Km.406/2-3 between Belandur Road – Banaswadi section	1.0	0.46
3.	ROB in lieu of LC 134B at Km.343/2-3 on KJM- BYPL section	1.0	0.71
4.	ROB in lieu of LC 136A at Km.345/44-361/1 BYPL – BNCE section	1.0	0.47
5.	ROB in lieu of LC 146 at Km.414/2-3 between Banaswadi and Hebbal station	12.8	2.18
6.	RUB in lieu of LC 58 in SBC – DMM section	13.5	0.66
7.	ROB in lieu of LC 101 at Km.251/13-14 in JTJ – SBC section	1.5	0.55
8.	ROB in lieu of LC 132 at Km.331/1-2 near WFD station on SBC – JTJ section	1.5	0.47
9.	RUB in lieu of LC 2 at Km.1/19-20 MYS – CMNR section	3.0	0.25
10.	RRUB in lieu of LC 110 at Km.135/16-136/1 in SBC – MYS section	3.0	0.17
11.	RUB in lieu of LC 109 at Km.134/9-10 in MYS – MNGT section	3.0	0.41
12.	RUB in lieu of LC 36 and 37 at Km.44/8-9 at RMNGN in SBC – MYS section	3.0	0.66
13.	RUB in lieu of LC 74 at Km.93/500-600 in SBC – MYS section	1.5	0.90
14.	ROB in lieu of LC 95A at Km.119/6-7 on SBC – MYS section	12.881	2.52
15.	RUB in lieu of LC 284 at Km.490/9-10 in Hubli	2.0	0.13
<b>Total</b>			<b>13.51</b>

**Annexure XXIII**

**(Para 2.7.7)**

**Statement showing loss due to non-realisation of Railway's (South Western) dues from State Government**

Sl. No.	Particulars of ROB/ RUB	Total cost	Railway's share	Non-railway's share	Amount deposited by party	Expenditure incurred upto March 2004
		(Rs. in crore)				
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
<b>Completed works</b>						
1.	RUB in lieu of LC 109 at Km.134/9-10 on MYS-MNGT section	2.84	1.42	1.42	1.06	2.22
2.	RUB in lieu of LC 110 at Km.135/16-136/1 in MYS-SBC section	1.16	0.58	0.58	0.43	1.02
3.	RUB in lieu of LC 2 at Km.1/19-20 in MYS-CMNR section	1.78	0.89	0.89	0.50	1.88
<b>Total</b>		<b>5.78</b>	<b>2.89</b>	<b>2.89</b>	<b>1.99</b>	<b>5.12</b>
<b>Works in progress</b>						
1.	ROB in lieu of LC 138 at Km.406/2-3 between Bellandur and Banaswadi section	7.91	3.95	3.96	1.25	2.44
2.	ROB in lieu of LC 139 at Km.407/10-11 in BYPL – SA section	15.43	7.61	7.82	2.65	7.41
3.	RUB in lieu of LC 36 and 37 in SBC – MYS section	4.76	2.32	2.44	-	1.25
4.	ROB in lieu of LC 95A at Km.119/6-7 in SBC – MYS section	8.13	3.98	4.15	-	1.00
<b>Total</b>		<b>36.23</b>	<b>17.86</b>	<b>18.37</b>	<b>3.90</b>	<b>12.10</b>
<b>GRAND TOTAL</b>		<b>42.01</b>	<b>20.75</b>	<b>21.26</b>	<b>5.89</b>	<b>17.22</b>

Calculation of Loss = Rs.17.22 crore (Col.7) ÷ 2 = Rs.8.61 crore (-) Rs.5.89 crore (Col.6) = Rs.2.72 crore  
 Completed works = Rs.0.57 crore  
 Works in progress = Rs.2.15 crore

**Annexure XXIV**

**(Para 2.7.8)**

**Statement showing loss due to non-levy of departmental charges on works executed by Railway for outside bodies**

<b>Sl. No.</b>	<b>Particulars of ROB/ RUB</b>	<b>Cost of Bridge proper (Rs. in crore)</b>	<b>Cost of approaches (Rs. in crore)</b>	<b>Departmental charges @ 12.5 % on cost of approaches (Rs. in crore)</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
1.	ROB in lieu of LC 139 at Km.407/10-11 in BYPL – SA at Lingarajapuram	1.20	14.23	1.78
2.	ROB in lieu of LC 138 at Km.406/2-3 bet.Belandur Road & Banaswadi stations	2.02	5.89	0.74
3.	RUB in lieu of LC 36 & 37 at Km.44/8-9 on SBC – MYS section	2.20	2.53	0.32
4.	RUB in lieu of LC 110 at Km.135/16-136/1 on SBC – MYS section	0.80	0.36	0.04
5.	RUB in lieu of LC 109 at Km.134/9-10 on MYS – MNGT section	2.34	0.55	0.07
6.	RUB in lieu of LC 2 at Km.1/19-20 in Mysore – CMNR section	0.78	0.98	0.12
7.	ROB in lieu of LC 95A at Km.119/6-7 in SBC – MYS section	2.43	5.70	0.71
<b>TOTAL</b>				<b>3.78</b>

**Annexure XXV**

**(Para 2.7.9)**

**Statement showing loss due to non-recovery of charges for maintaining ROB/ RUBs**

<b>Sl. No.</b>	<b>Particulars of ROB/ RUB</b>	<b>Date of completion</b>	<b>Cost of the work</b>	<b>Amount of maintenance charges @ 2.5/3 per cent of Col.4 (as of 31 March 2004)</b> (Rs. in crore)
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Southern Railway</b>				
1.	ROB at LC 4 in MSB-Vysarpadi section	1999-2000	1.09	0.12
2.	ROB at Km.7/7-8 in MDU-MNM section	2000-2001	0.59	0.05
3.	ROB at Km.508/5-6 at MDU-VPT section			
4.	RUB at LC 20 at Big Bazar Road/ CBE	February 2002	3.56	0.22
5.	ROB at Km.473/31-474/1 in ED-CBE section	1999-2000	1.56	0.17
6.	ROB at Km.151/8-9 on PRND-QLN section	February 2003	2.28	0.08
<b>Total</b>				<b>0.64</b>
<b>South Western Railway</b>				
1.	ROB at Km.343/20-22 in KJM-BYPL section	December 2002	4.79	0.17
2.	RUB at Km.348/5-6 in BYPL-SBC East section	October 2003	1.36	0.02
3.	RUB at Km.10/3-4 in SBC-DMM section	May 2001	5.72	0.46
4.	RUB at Km.398/2-4 at Doddanakundi	November 2000	3.58	0.34
5.	ROB at Km.50/2-3 in SBC-TK section	January 2004	0.66	
6.	ROB in lieu of LC 333A adjacent to existing ROB 332A near Hirehalli	January 2004	3.48	0.02
7.	ROB adjacent to existing ROB 339A near Dobbespeth	January 2004	2.61	0.01
8.	ROB at Km. 117/1-2 in MYS-HAS section	September 2001	0.68	0.05
9.	ROB at Km.7/5-6 in SBC-JTJ section	N.A.	0.65	
<b>Total</b>				<b>1.07</b>
<b>GRAND TOTAL</b>				<b>1.71</b>

**Annexure XXVI (a)**

**(Para 2.8.1)**

**Statement showing loss due to continued operation of level crossings on Southern Railway**

<b>Sl. No.</b>	<b>Particulars of RUB/ ROB</b>	<b>Year of sanction</b>	<b>Estimated cost (Rs. in crore)</b>	<b>Delay in commencement (in months)</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>8</i>
1.	ROB in lieu of LC 202 at Km.247/2-3 in Coimbatore	1996-97	2.23	87
2.	ROB in lieu of LC 10 at Km.25 in MAS – AJJ section	2000-01	5.78	39
3.	ROB in lieu of LC 10 at Km.13/2-3 in MAS – GDR section	-do-	5.60	39
4.	ROB in lieu of LC 12 in MAS – TRL section	-do-	5.78	39
5.	ROB in lieu of LC 34 in MS – VM section	-do-	5.78	39
6.	ROB in lieu of LC 50 at Km.120/12-14 in Tiruvalum – Sevir section	-do-	5.15	39
7.	ROB in lieu of LC 64 at Km.154/12-14 at Gudiyatham	-do-	8.08	39
8.	ROB in lieu of LC 91 at Km.223/0-1 at Tirupattur	-do-	5.60	39
9.	ROB in lieu of LC 439 at Km.587/6-7 in Virudhunagar – Vanchi Maniyachi	-do-	10.92	39
10.	ROB in lieu of LC 84A at 204/19-21 bet. Vaniambadi and Kettandapatti stations	-do-	10.20	39
11.	ROB in lieu of LC 71 at Iddapalli	1999-00	7.42	51
12.	ROB in lieu of LC 238 in SRR – MAQ section	-do-	5.11	51
13.	ROB in lieu of LC 239 in SRR – MAQ section	-do-	5.11	51
14.	ROB in lieu of LC 269 in SRR – MAQ section	-do-	5.11	51
15.	ROB in lieu of LC 272 in SRR – MAQ section	-do-	5.11	51
16.	ROB in lieu of LC 2 bet. ERS – QLN stations (RBDCK)	2000-01	5.24	39
17.	ROB in lieu of LC 64 in SRR – ERS section	-do-	5.38	39
18.	ROB in lieu of LC 73 at Pullapadi	-do-	5.60	39
19.	ROB in lieu of LC 76T bet. ERS and Tirunettur station	-do-	5.24	39
20.	ROB in lieu of LC 174A in SRR – MAQ section (RBDCK)	-do-	5.71	39
21.	ROB in lieu of LC 69A in Idapally – ERS section	2001-02	5.90	27
22.	ROB in lieu of LC 201 bet. Elathur and Quilandi stations	-do-	5.87	27
23.	ROB in lieu of LC 541 in QLN – Mayyanad section	-do-	5.88	27
24.	ROB in lieu of LC 52 in SRR – ERS section	-do-	4.62	27
25.	ROB in lieu of LC 14 in Punkunnom – Mulangunathukavu section	2002-03	51.19	15
26.	ROB in lieu of LC 19 in Karukutty – Angamali section	-do-	49.61	15



Sl. No.	Particulars of RUB/ ROB	Year of sanction	Estimated cost (Rs. in crore)	Delay in commencement (in months)
1	2	3	4	5
27.	ROB in lieu of LC 31 bet. Pudukkad and Irinjalakuda station in SRR – ERS section	2002-03	4.62	15
28.	ROB in lieu of LC 45 bet. Irinjalakuda and Chalakudi station in SRR – ERS section	-do-	4.62	15
29.	ROB in lieu of LC 46 bet. Irinjalakuda and Chalakudi station in SRR – ERS section	-do-	5.46	15
30.	ROB in lieu of LC 52 in PGT –PGTN section	-do-	5.55	15
31.	ROB in lieu of LC 59 in SRR – ERS section	-do-	51.80	15
32.	ROB in lieu of LC 170 between TUA and TIR stations	-do-	51.19	15
33.	ROB in lieu of LC 172 in SRR – MAQ section	-do-	5.12	15
34.	ROB in lieu of LC 185 in Calicut – West hill section	-do-	56.04	15
35.	ROB in lieu of LC 216 in Badagara – Mukali section	-do-	63.89	15
36.	ROB in lieu of LC 217 in SRR – MAQ section	-do-	4.82	15
37.	ROB in lieu of LC 226 in Mahe – Telicherry section	-do-	52.89	15
38.	ROB in lieu of LC 228 bet. Tellicherry and Jagannatha Temple in SRR –MAQ	-do-	5.51	15
39.	ROB in lieu of LC 241 in Cannanore and Cannanore South section	-do-	57.02	15
40.	ROB in lieu of LC 261 bet. Payyanur and Trikkrippoor stations	-do-	5.12	15
41.	ROB in lieu of LC 268 in Cheravathur – Nileshtar section	-do-	57.52	15
42.	ROB in lieu of LC 274 in Kanjangad – Palikere section	-do-	60.77	15
43.	ROB in lieu of LC 68A at Km.97/12-13 bet. Cochin Harbour Terminus – SRR	-do-		15
<b>TOTAL</b>				<b>1281</b>

**Note:** Delay has been reckoned from month of January in the year of sanction till March 2004

**Avoidable expenditure due to continued operation of LCs**

Pay scale of gatemen Grade II	2610-60-3150-65-3540
Mean Pay (2610 + 3540)/ 2	3075
Next higher stage in the scale	3090
Thus, pay for one gateman per month	3090
Therefore, for 3 gatemmen for one month (3090 x 3 gatemen for LC)	9270
<b>Total avoidable expenditure for 1281 months</b>	<b>1,18,74,870 or Rs.1.19 crore</b>

**Annexure XXVI (b)**

**(Para 2.8.1)**

**Statement showing loss due to continued operation of level crossings on South Western Railway**

<b>Sl. No.</b>	<b>Particulars of RUB/ ROB</b>	<b>Year of sanction</b>	<b>Estimated cost (Rs. in crore)</b>	<b>Delay in commencement (in months)</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
1.	ROB in lieu of 388A in Londa – Miraj section	2000-01	12.09	39
2.	ROB in lieu of LC 386 in Belgaum and Sombre at Km.611/5-6 in Londa – Miraj	-do-	3.00	39
3.	ROB in lieu of LC 381 at Km.607/13-14 in Londa – Miraj section	-do-	2.14	39
4.	ROB in lieu of LC 1 in Hubi – Kusigal section	1995-96	6.17	99
5.	ROB in lieu of LC 138 at Km.348/5-6 in BNCE – BYPL section	1999-00	11.86	51
6.	ROB in lieu of LC 6 at Km.12/000-100 in Hebbal – YPR section	2000-01	10.79	39
7.	ROB in lieu of LC 136A at Km.345/44-346/1 in JTJ – SBC section	-do-	10.91	39
8.	RUB in lieu of LC 74 at Km.93/500-600 at Mandya in SBC – MYS section	-do-	10.91	39
9.	ROB in lieu of LC 2 at Km.3/13-14 on RRB – SMET section	-do-	10.74	39
10.	ROB in lieu of LC 59 at Km.74/000-100 in Maddur – Hanakare section	-do-	12.00	39
11.	ROB in lieu of 134B at Km.343/2-3 in KJM – BYPL section	-do-	12.00	39
12.	ROB in lieu of LC 208 at Km.337/2-3 at Harihar in DVG – Harihar section	-do-	12.00	39
13.	ROB in lieu of LC 207 at Km.334/14-15 on Davanagere – Harihar section	-do-	12.00	39
14.	ROB in lieu of LC 32 at Km.43/10-11 in Masarahalli – Bhadravathi section	-do-	12.00	39
15.	ROB in lieu of LC 53 at Km.57/9-10 in Marayal – Ganganawadi – Chamarajanagar	-do-	12.00	39
16.	RUB in lieu of LC 19 at Km.25/8-9 in Nanjanagud – Channadagudi section	-do-	12.00	39
17.	ROB in lieu of LC 49 at Km.63/15-54/1 in Haranahalli – Shimoga section	-do-	12.00	39
18.	RUB in lieu of LC 34 at Km.47/48 in Birur – Shimoga section	-do-	9.39	39
19.	ROB in lieu of LC 3 at Km.2/6-7 in MYS – CMNR section	-do-	7.36	39
20.	ROB in lieu of LC 1 Km. 1/10-11 in MYS – CMNR section	-do-	10.74	39
21.	ROB in lieu of LC 48 at Km.62/11-12 in SMET – SMET Town section	-do-	7.50	39
22.	RUB in lieu of LC 33 at Km.45/13-14 in SMET – Bidare section	-do-	12.00	39
23.	ROB in lieu of LC 5 at Km.4/11-12 in Mysore – Belagola section	-do-	11.00	39
24.	ROB in lieu of LC 197 at Km.322/8-9 in Tolahunse – DVG section	-do-	9.00	39

Sl. No.	Particulars of RUB/ ROB	Year of sanction	Estimated cost (Rs. in crore)	Delay in commencement (in months)
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
25.	ROB in lieu of LC 21 at Km.27/0-1 in Nanjanagud Town – Chinnadagudi section	-do-	12.00	39
26.	ROB in lieu of LC 261 at Km.423/2-3 in Yalvagi – Kalasa section	-do-	12.00	39
27.	ROB in lieu of LC 85 at Km.145/6-7 in Hospet – GTL section	1995-96	4.11	99
28.	ROB in lieu of LC 110 at Km.204/11-12 in Bellary – Hospet section	-do-	1.93	99
29.	ROB in lieu of LC 114 at Km.209/12-13 in Bellary – Hospet section	2000-01	7.27	39
<b>TOTAL</b>				1323

**Note: Delay has been reckoned from the month of January in the year of sanction till March 2004**

#### Avoidable expenditure due to continued operation of LCs

Pay scale of gatemen Grade II	2610-60-3150-65-3540
Mean Pay (2610 + 3540)/ 2	3075
Next higher stage in the scale	3090
Therefore, for 3 gatemen for one month (3090 x 3 Gatemen for LC)	9270
<b>Total avoidable expenditure for 1323 months</b>	<b>1,22,64,210 or Rs.1.23 crore</b>

**Annexure XXVII**

**(Para 2.8.4)**

**Statement showing the details of bridge portion of ROBs/ RUBs completed by Railways but road approaches not completed by State Government rendering Railway's investment idle**

Sl. No.	Particulars of ROB/ RUB	Date of commencement of bridge proper	Date of completion of bridge proper	Expdr. Incurred upto March 2004 (Rs. in crore)	Percentage of progress of road approach
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
<b>Southern Railway</b>					
1.	ROB in lieu of LC 18 between TRL and Kadambattur stations	July 2000	May 2003	2.59	62
2.	ROB in lieu of LC 85 between Palakkarai and TPJ	May 1999	August 2001	2.07	41
3.	ROB in lieu of LC 159 at Thirupadripuliyur	July 2000	2001	0.87	59
4.	ROB in lieu of LC 437 in Virudhunagar – Vanchi Maniyachi	August 2000	July 2002	0.81	3
5.	ROB in lieu of LC 440 in Virudhunagar – Vanchi Maniyachi at Kovilpatti	August 2001	March 2003	0.77	1.5
6.	RUB in lieu of LC 28 between Chrompet and TBM	2002	December 2002	0.88	54
<b>TOTAL</b>				<b>7.99</b>	
<b>South Western</b>					
1.	ROB in lie of LC 48 at Chennapatna in SBC-MYS Section	NA	February 1999	<b>0.47</b>	NA
<b>GRAND TOTAL</b>				<b>8.46</b>	

**Annexure XXVIII**

**(Para 2.8.7)**

**Statement showing avoidable expenditure due to poor contract management**

<b>Sl. No.</b>	<b>Particulars of ROB/ RUB</b>	<b>Details of contract</b>	<b>Remarks</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
1.	ROB at Guindy	Agreement No.57/CN/95 dated 9 June 1995 – M/s. Rajeswari Enterprises, Chennai	The contract has been terminated during March 1997 at the risk and cost due to slow progress of work. The contractor did not accept and went in for arbitration. The Tribunal decided (January 1999) that the termination did not appear justified as there were omissions and commissions by both parties such as slow progress by the firm, non-finalisation of the negotiated rates, non-removal of the obstructions by Railways etc. Thus, due to improper management the Railway Administration had to incur additional expenditure of Rs.65.69 lakhs due to enhanced cost paid to the new contractor for execution of the balance work.
2.	ROB at LC 3 and 4 between MSB - RPM	Shri P Nallasamy, Chennai – Agreement No.192/CN/93 dated 23 December 1993	The contractor had to complete the work on 4 August 1994. After extension of contract for 5 times upto October 1996, the work on LC 4 was completed and on LC 3, the foundation and sub-structure was completed. The contract was foreclosed and the balance work was off-loaded without liabilities on either side during May 1997 and the same was executed by another agency at an extra cost of Rs.19.34 lakhs. In spite of this off-loading, certain items without invoking risk clause, the contractor had gone in for arbitration and claimed Rs.87.90 lakhs stating that the work could not be completed within the stipulated period due to various hindrances encountered during the execution of the contract such as delay in approval of drawings, IOC pipeline crossing the alignment, delay in closure of traffic, etc. The matter is still under arbitration.
3.	ROB 46 between Villivakkam and Korattur	M/s. Rajeswari, Chennai - Agreement No.7/CN/94 dated 18 January 1994	Though the scheduled period of completion was 18 months, the contractor could not complete the work even after the expiry of 48 months. The progress of the contractor was poor, yet extensions were granted in a routine manner. On being asked to speed up the work, the contractor demanded finalisation of the contract. Matter was referred to arbitration and the Railway Administration claimed extra amount incurred on additional departmental supervision due to delay in completion of work and idling investment on machineries amounting to Rs.22.08 lakhs. The contractor's counter-claim was that the extensions were granted under clause 17(2). Therefore, Railway Administration's claim was rejected.

Sl. No.	Particulars of ROB/ RUB	Details of contract	Remarks
1	2	3	4
4.	ROB at Pachakuppam in lieu of LC 76	Agreement No.40/CN/04 dated 12 February 2004	As per Special Conditions Of contract, if the work is completed in all respects ahead of the stipulated period of completion, a bonus of Rs.10,000 per day with a ceiling of Rs.6 lakhs will be paid to the contractor. If there is a delay in the completion of work, the extensions of contract will on contractor's account under clause 17(4) of General Conditions of Contract. The original date of completion of the three contracts is 15/ 18/ 18 February 2004 respectively. But extensions were granted upto 30 April 2004 in all cases under Clause 17 (2) on the plea that the target fixed was stiff. Non-levy of penalty, in spite of specific clause in the agreements resulted in non-recovery of liquidated damages amounting to Rs.41.10 lakhs.
	ROB near Ktettandapatti in AJJ - JTJ section	Agreement No.44/CN/04 dated 17 February 2004	
	ROB between Kettandapatti and Vaniambadi in lieu of LC 83 in AJJ - JTJ section	Agreement No.43/CN/04 dated 17 February 2004	
5.	ROB in lieu of LC 85 at Palakkarai	M/s. IRCON - Agreement No.300/CN/99 dated 30 July 1999 and Agreement No.301/CN/99 dated 30 July 1999	As per conditions of contract, hire charges for tools and plants had to be recovered from the contractor. Even though the contractor had completed the works during March 2001/ August 2001, hire charges for utilisation of steel cribs amounting to Rs.7.08 lakhs have not been recovered.
	ROB in lieu of LC 84 at Tennur		
	ROB in lieu of LC 246 at Srirangam		
	ROB in lieu of LC 241 in Srirangam - Pitchandar Koil section		
6.	PSC slab sub way in lieu of LC 12 at Saidapet	M/s. Unique Builders	Agreement conditions did not contain vitiation clause. However, while finalising the contract, vitiation had occurred to the extent of Rs.15.71 lakhs with reference to L 3. On account of non-inclusion of this clause, Railway Administration could not recover this amount.

Sl. No.	Particulars of ROB/ RUB	Details of contract	Remarks
1	2	3	4
7.	ROB in lieu of LC 85 at Palakkarai Road ROB in lieu of LC 84 at Tenmur ROB in lieu of LC 246 at Srirangam ROB in lieu of LC 241 in Srirangam – Pitchandar Koil section	M/s. IRCON – Agreement No.300/CN/99 dated 30 July 1999 M/s. IRCON – Agreement No.301/CN/99 dated 30 July 1999	For early completion of the works, execution was awarded to M/s. IRCON on a single tender basis at 25 per cent above cash value with date of completion as 30 January 2000. But so far only 3 ROBs were commissioned (2 during 2002-03 and 1 during 2003-04), after a delay of more than 2 years. The remaining ROB is yet to be commissioned due to non-completion of approach road. Consequently, the very purpose of awarding the contract to M/s. IRCON on single tender basis at an extra cost of Rs.58 lakhs was defeated.
8.	ROB at LC 55 A at Gundy	M/s. Rajeswari Enterprise, Chennai	The contract was terminated on risk and cost of the defaulting contractor due to slow progress. When contractor went in for arbitration, the Railway Administration counter claimed an amount of Rs.27 lakhs on account of non-utilisation of speed restriction stating that the work was started in November 1995 though speed restriction was levied with effect from 4 August 1995. Railway Administration's claim was rejected on the grounds that they could have initiated action for withdrawal of speed restriction when the contractor was not in a position to use it.