

## Road and Road Transport

26. National Highways are the prime arterial routes spanning about 49,600 km throughout the country and cater to about 40 per cent of the total road transport demand. According to a study (carried out by the sub-group for the 9<sup>th</sup> Five Year Plan on the road sector), a sum of Rs.74500 crore (at the 1996 price level) would be needed to address the deficiencies of the existing national highway network. According to another study, there is a further need to have 15766 km of expressway network by the year 2020 of which a length of 4885 km needs to be added by 2005, on a priority basis.

27. While there has been a decline in the allocation of funds over various plan periods in terms of the percentage of total plan outlay, the Government has now enhanced the allocation for 1998-99 by about 42 per cent over the preceding year.

28. National Highways Authority of India (NHAI), established as an implementing agency of the Central Government, has already undertaken several projects. Adequate funds have been provided to the NHAI for its capital base and to enable it to leverage funds from the market. An additional tax at the rate of Rupee 1 per litre of petrol has been levied in the Union Budget, 1998-

99 and the likely accrual of Rs.790 crore is proposed to be allocated to the NHAI.

29. The government has taken further initiatives to attract private sector investment in the road sector. The provisions relating to foreign investment have been further liberalised. Automatic approval will be accorded for foreign equity participation upto 100 percent in the construction of roads and bridges, provided the total foreign equity in any such project does not exceed Rs. 1500 crore. A model concession agreement for Build-Operate-Transfer (BOT) projects is being finalised. The initial response of the private sector has been satisfactory and as many as 17 projects, involving a sum of Rs.835.5 crore, are in various stages of implementation. Several projects have been awarded on a BOT basis (Box 9.3).

30. It may also be stated that as a matter of priority, the National Integrated Highway Project merging the golden quadrilateral connecting Delhi, Mumbai, Chennai and Calcutta with the East-West (Silchar to Saurashtra) and North-South (Kashmir to Kanya Kumari) corridors has been launched. The total length to be covered in this project is 13000 km. Work on four laning of the golden quadrilateral connecting Delhi, Mumbai, Chennai and Calcutta is already in progress.

**BOX 9.3**

**List of Build-Operate-Transfer (BOT) Projects Awarded as on 25th November, 1998**

S. No.	Name of the Project	NH No.	State	Length in Km	Cost in Rs. Crore	Concession Period	Construction Period	Date of Signing	Likely/ Actual date of completion	Type of Vehiciles tolled	Fee rates Rs./trip
1.	Thane-Bhiwandi Bypass*	3&4	Maharashtra	24	103	18 years 6 months	36 months	09/12/95	31.12.2001	Cars/vans trucks	10 30
2.	Chalthan Road Over Bridge*	8	Gujarat	14-- Lane ROB	10	41 months & 22 days	18 months	19/09/96	15.07.1998	Cars/vans trucks Buses	5 15 15
3.	Udaipur Bypass*	8	Rajasthan	11	24	11 years 8 Months	18 months	July, 96	22.04.1998	Cars/vans Buses	6 15
4.	Construction of six bridges	5	Andhra Pradesh	Bridges 6 nos.	50	19 years 60 days	4 years	9.04.97	08.06.2001	Cars/Jeeps Buses/ Tracks Autoriksha	5 15 2
5.	Coimbatore Bypass	47	Tamil Nadu	33	90	32 years	24 months	3.10.1997	03.12.1999	Car/Jeeps LCVs Buses	19 28 56
6.	Durg Bypass	6	Madhya Pradesh	18.4	68	32 years 6 months	30 months	5.11.1997	5.05.2000	Car/Jeeps LCVs Buses Trucks MAVs	50
7.	Narmada bridge	8	Gujarat	6	113	15 years	3 years	21.11.1997	21.12.2000	Truck/Bus LCV Car	33
8.	Nardhana ROB	3	Maharashtra	13	34	15 years 10 months	3 years	25.11.1997	25.11.2000	Truck Bus Trailor Car	30 25 80 8
9.	Patalganga Bridge	17	Maharashtra	1ROB	33	17 years 9 months	2 years 9 months	29.11.1997	29.08.2001	Truck Trailor Truck/bus	50 30
10.	Hubli-Dharwar Bypass	4	Karnataka	30.35	68	26 years	3 years 6 months	5.02.1998	5.11.2001	Car/Jeep/ Van Bus Truck LCV MAV	10 35 43 25 40
11.	Nellor Bypass	5	Andhra Pradesh	18	73	31 years 6 months	30 months	17.2.1998	17.02.2001	Car/Jeep/ Van Bus Truck LCV MAV	24 36 48 60
12.	Kortalaiyar Bridge	5	Tamil Nadu		30	9 years 11 months & 16 days	24 months	28.10.1998	Oct.,2000	Car/Jeep/ Van LCV Truck/bus MAV/MCM/ EME	8 15 30 40
13.	Khambatki Ghat tunnel & road	4	Maharashtra	8	37.8	9 years 9 months	24 months	16.11.1998	Nov.,2000	Car/Jeep Truck/bus Trailor	10 30 50
14.	Nasirabad ROB	6	Maharashtra	30m	10.45	10 years 11 months	12 months	16.11.1998	Nov.,1999	Car/Jeep Bus Truck Trailor	05/08/10 15/20/25 20/25/30 30/35/40
15.	Wainganga Bridge	6	Maharashtra	530m	32.6	18 years 9 months	30 months	16.11.1998	May,2001	Car/Jeep Bus Truck Trailor	10 50 50 80
16.	Mahi Bridge	8	Gujarat		42	7 years 8 months	18 months	16.11.1998	July, 2000	Car/Jeep/ Van LCV Truck/bus MAV/MCM/ Roller	10 20 35 75
17.	ROB Kishangrah bypass	8	Rajasthan	1	16.66	51 months	15 months	27.11.1998	25.4.2000	Car/Jeep/ Van LCV Bus/Truck MAV/HCM/ Roller	20 30 40 60
<b>TOTAL</b>					<b>835.51</b>						

\* Since completed and opened to traffic