

CHAPTER 18

TRANSPORT AND COMMUNICATION

Roads

18.1 Rajasthan is the largest state of the country having an area of 3.42 lakhs Sq. kms. According to the 2001 census the population of the state is 5.65 crores, about 77% of total population habitage in the villages. Administratively State is divided in 32 districts which is further divided in 241 Tehsils and 237 Panchayat Samities.

18.2 Healthy transport system is an indicator of economic health and development of nation. All development whether in the Agriculture, Commerce, Transport, Education, Industry, Health and Social Welfare and even Law and Order improves because of better facility of Transport and communication system. An integrated and efficient communication mode is necessary for rapid economic development of the state. In Rajasthan only Road, Rail and Air transport is possible as means of communication.

18.3 It is well known fact that road is a harbinger of development in present transport system. Rajasthan is one of the few states in India which is far below the national average in respect of road length. As against the national average of 74.9 kms. per hundred Sq. kms. of area, Rajasthan has only 43.7 km. of road length per hundred Sq. km. of area. The State Government has been engaged in development of road network with special emphasis to roads for linking villages under PMGSY. However, by the end of March, 2001 only 16766 village could be connected by BT roads as per 1991 census.

18.4 The population groupwise connectivity of villages as per 1991 census as on 31.03.2001 in the state are as below :-

	Population Group	Total village	Connected as on 31.3.97	Connected as on 31.3.01	Likely to be connected as on 31.3.02
1	1500 & Above	6131	5063	5816	5893 (77)
2	1000 - 1500	4635	2215	3256	3556 (300)
3	Below 1000	27123	5795	7694	7694 (-)
	Total	37889	13073	16766	17143

18.5 The road length of PWD roads as on 31.3.2001 are as under :-

Classification	Length in Kms.				
	BT	MR	GR	FW	Total
1. National Highways	4505	0	0	42	4547
2. State Highways	8684	11	2	17	8714
3. Major District Roads	5611	28	46	54	5739
4. Other District Roads	11296	291	1213	0	12800
5. Village Roads	43347	4575	7740	0	55662
Total	73443	4905	9001	113	87462

Ninth Five Year Plan (1997-2002)

18.6 For road sector, an allocation of Rs. 135300.00 lakhs had been made in the Ninth Five Year Plan. The year wise expenditure under various programmes is indicated below:-

Item	Ninth Plan Outlay	Expenditure				Revised Outlay	Likely Exp.
		1997-02	97-98	98-99	99-00		
1. State Highways							
a. WB assisted Proj.	35300.00	602.58	1041.10	92.68	0.00	1.00	1737.36
b. Others	18000.00	1890.84	1405.27	3663.26	2208.51	9750.95	18918.83
2. Minimum Needs Programme	73155.00	16861.69	15620.87	5691.94	11218.92	17433.50	66826.92
3. Urban Roads	3000.00	545.35	496.53	245.35	623.03	550.00	2460.26
4. Others	2586.00	688.17	714.39	28.79	2131.49	10.00	3572.84
5. Estt.	3259.00	108.96	160.46	724.29	748.38	789.42	2531.51
Total	135300.00	20697.59	19438.62	10446.31	16930.33	28534.87	96047.72

18.7 Thus, as against the approved outlay of Rs. 135300.00 lakhs during 1997-2001, an expenditure of Rs. 67512.85 lakhs was incurred. By the end of 2001-2002, of the total Ninth Five Year Plan outlay about 71 percent outlay would be utilised.

18.8 It was envisaged to construct 20000 kms. new roads during the Ninth Five Year Plan. During the period of 1997-2001, new construction has been of 12515 kms. of roads.

18.9 At the beginning of the Ninth Five Year Plan, 13073 villages were connected by BT roads. The Ninth Five Year Plan envisaged to achieve a level of 20573 villages as against this, by the end of 1999-2002 the number of villages connected by roads would be 17143. Thus, in the 4 year period 3070 additional villages would be having road connection.

18.10 The yearwise and population wise Connectivity of villages is as under :-

Villages Connected by Roads

Category of villages (1991 census)	Ninth Plan Target	Achievement				Likely Ach. 01-02
		97-98	98-99	99-2000	2000-01	
1. With Population 1500 & above	1068	305	235	170	43	77
2. With Population 1000 - 1500	2420	216	350	239	236	300
3. With Population Below 1000	4012	554	476	285	584	0
Total	7500	1075	1061	694	863	377

Tenth Five Year Plan

18.11 For the Tenth Five Year Plan 2002-2007, Rs. 2560.20 crores is proposed for Road Sector. The details of the proposed outlay are as follows :-

(Rs. in crores)

Item	Proposed Outlay 2002-07
1. SHW & MDR	
i. SMR & Widening	253.75
ii. Central Road Fund	458.81
iii. Maintenance & Repairs	50.00
2. ODR & VR	
i. SMR	384.49
ii. PMGSY	786.50
iii. Maintenance & Repairs	75.00
3. Urban Roads	
i. SMR	56.76
ii. Maintenance & Repairs	5.00
4. State Road Construction & Upgradation	
i. NABARD - RIDF II, III, IV	8.69
ii. NABARD RIDF VII Roads Upgradation Project (RUP)	450.00
5. General	
i. Land Acquisition	31.20
Total	2560.20

I. SHW & MDR

i. SMR & Widening

18.12 In the State, total SHW Length as on 31.02.2001 is 8714 km.. Out of which 2515 km. length is double lane and remaining length 6199 km. is either single lane (3.75 m.) or Intermediate lane (5.5 m). The traffic volume on SHW is increasing day by day therefore 6199 km. length is required to be widened and strengthened.

18.13 The Major district roads are also required to be widened and strengthened up to intermediate lane (5.5). The total length of MDR in the State is 5739 km. Out of which about 1250 km. is intermediate lane (5.5 m) remaining length is required to be widened and strengthened.

18.14 Rs. 253.75 crores is proposed for widening and strengthening of SHW and MDR during Tenth Five Year Plan .

ii. Central Road Fund

18.15 The Government of India has decided to revamp the central road fund by crediting into the cess of Rs. 1/- per litre on petrol and diesel for development and maintenance of SHW and MDR.

18.16 According to the preliminary assessment of MORTH a sum of Rs. 75.82 crores is likely to accrue to our state annually.

18.17 During 2001-02, 109 works of widening, strengthening and renewal of SHW and MDR costing Rs. 147.33 crores have been sanctioned by MORTH.

18.18 It is expected that during Tenth Five Year Plan Rs. 458.81 crores would be credited to our state under CRF so the same is proposed for Tenth Five Year Plan.

iii. Maintenance and Repairs

18.19 The funds available for maintenance are 40% of the requirement which is not even adequate to meet out ordinary maintenance and repairs under Non-plan so Rs. 50.00 crores is proposed for maintenance and repairs of SHW and MDR during Tenth Five Year Plan as per Planning Commission norms.

2. ODR & VR

i) SM & R

18.20 As on 31.03.01, the length of other District Roads and Village Roads in the State is 68462 km. which is maintained by PWD. For Strengthening, Modernisation and Renovation of ODR & VRs, Rs. 393.87 crores is proposed during Tenth Five Year Plan. In which Rs. 3.87 cr. is included for work in progress.

ii) PMGSY

18.21 Pradhan Mantri Gram Sarak Yojana was launched on 25.12.2000. Its scope is to ensure Rural Road Connectivity with all weather roads with the following targets. As per 2001 Census

- (a) All Villages having population 1000 & Above by 2003.
- (b) All Villages having population 500 & above by 2007.

18.22 GOI has allotted Rs. 140.07 crores for PMGSY new works and incomplete works of BMSP during 2000.01.

18.23 During 2001-02 Rs. 130.00 crores is to be allotted to our state under this scheme. Rs. 523.00 crores and Rs. 786.50 crores have been allotted for Annual Plan 2002-03 and for Tenth Five Year Plan under PMGSY. With this proposed amount 6050 kms. will be constructed connecting 1500 Villages having population 500 & above as per 2001 Census.

iii) Maintenance & Repairs

18.24 For maintenance and repairs of ODR & VR Rs. 75.00 crores is proposed during the Tenth Five year Plan as per Planning Commission norms.

3. Urban Roads

i) SMR

18.25 There are about 3000 kms. length of Urban Roads in the State which are maintained by PWD Rs. 56.76 crores are proposed for Strengthening, Modernisation and Renovation of Urban Roads.

ii) Maintenance & Repairs

18.26 For Maintenance and Repairs of Urban Roads Rs. 5.00 crores is proposed during Tenth Five year Plan.

4. State Road Construction & Upgradation

i) NABARD - RIDF II, III & IV

18.27 431 Works costing Rs. 186.85 crores have been sanctioned under NABARD - RIDF II, III & IV upto March, 2002. Likely an expenditure of Rs.

170.00 crores will be incurred upto March, 2002 and remaining Rs. 8.69 crores is proposed to complete ongoing works during Tenth Five Year Plan.

ii) Roads Upgradation Project (RUP)

18.28 To over come the backlog and improve the condition of roads GOR has given clearance to taken up state Upgradation Project amounting to Rs. 600.00 crores during the year 2001-2002 and 2002-2003 (Rs. 300.00 crores every year). The funds would be devetailed as under (Per Year):-

Rs. 75.00 crores as state share
 Rs. 50.00 crores from RSAMB
 Rs. 175.00 crores Loan from NABARD

 Total Rs. 300.00 (each year)

18.29 During 2001-02 an expenditure of Rs. 50.00 crores is proposed under this project. Out of PWD share the remaining of Rs. 450.00 crores is proposed for State Road Upgradation Project during X Five Year Plan. Under this project about 24,000 kms roads will be upgraded.

General

(i) Land Acquisition

18.30 Rs. 31.20 crores is proposed for payment of land acquisition awards including ADPLA during X Five Year Plan.

Annual Plan 2002-03

18.31 For the Annual Plan 2002-03 Rs. 484.00 crores is proposed for Roads and Bridges. The details of proposal is as under:-

(Rs. in crores)

S.No.	Item	Proposed Outlay 2002-03
1.	SHW & MDR	
i)	Central Road Fund	83.42
2.	ODR & VR	
i)	S M & R	3.87
ii)	PMGSY	143.00
3.	State Road Construction & Upgradation	
i)	NABARD- RIDF II,III & IV	3.71
ii)	NABARD-RIDF VII (R U P)	250.00
4.	General	
i)	Land Acquisition	0.00
	Total	484.00

I. SHW & MDR

i) Central Road Fund

18.32 During 2001-2002, 109 works of widening, strengthening and renewal of SHW & MDR costing Rs. 147.33 crores have been sanctioned by MORTH GOI. Out of which 96 works have been allotted and are in progress. An expenditure of

Rs. 65.00 crores is proposed to be incurred during 2001-02 and Rs. 60.00 crores for ongoing works and Rs.23.42 crores for new works are proposed during 2002-03.

1. ODR & VAR

i) S M & R

18.33 Rs. 3.87 crores are proposed for ongoing works which are sanctioned during 2001-02 under MNP general.

ii) PMGSY

18.34 During 2001-02, sanction of Rs. 263.00 lacs has been issued by MORTH Government of India. The process of work order is under progress. On the basis of indication Rs. 143.00 crores is proposed for ongoing works during 2002-03. It is targeted to connect 2076 km. roads connecting 535 villages during 2002-03.

2. State Road Construction & Upgradation

i) NABARD RIDF II, III & IV

18.35 431 Works costing Rs. 186.85 crores had been sanctioned under RIDF- II, III & IV up to March, 2001. Likely expenditure of Rs. 170.00 crores will be incurred upto March, 2002 and remaining Rs. 3.71 crores proposed to complete ongoing works during 2002-03.

ii) Road Upgradation Project (RUP)-NABARD- VII

18.36 To over come the backlog and improve the condition of state roads, a new scheme RUP with the loan assistance of NABARD is started during 2001-02. The funds of this scheme would be dovetailed by P.W.D., RSAMB and loan from NABARD.

18.37 During the year 2001-02, sanction of Rs. 285.71 crores has been issued. Against this an expenditure of Rs. 50.00 crores is proposed to be incurred during this year and Rs. 200.00 crores for ongoing works and Rs. 50.00 crores for new works are proposed during 2002-03.

Abstract of Physical Targets during 2000-03

S.No.	Type of Achievement	Type	Item	Target
1.	BT road construction (PMGSY)	Roads	Km.	2076
2.	Villages connected having population 1000 & above as per 2001 census (PMGSY)	Roads	Nos.	535
3.	Widening, Strengthening and Improvement of SHW & MDR (CRF)	Roads	Km.	695
4.	Upgradation of State Roads	Roads	Km.	8333

Rajasthan State Road Transport Corporation

18.38 During Ninth Plan period a sum of Rs. 202.18 crores had been provided to the R.S.R.T.C. under State Plan. Some of the efficiency indicators at the end of the Ninth Plan period are as under:

Items	Estimates	Pre-actuals
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1. Operated kms. in crores	269.50	257.48
2. Fleet Utilisation (%)	91	92
3. Vehicle utilisation per bus per day	300	310
4. Load Factor (%)	75	62
5. KMPL (Diesel)	4.81	4.85
6. Total buses at the end of the year		
a) Corporation buses	4616	4358
b) Hired buses.	560	222

18.39 A Plan ceiling of Rs. 25850.00 lakhs has been fixed for the Corporation for the Tenth Five Year Plan.

	(Rs. in Lakhs)
	Tenth Five Year Plan
1. Internal Resources	(-) 36530.00
2. Loan from Com. Banks & other Financial Institutions	62380.00
Total	25850.00

18.40 The corporation has proposed purchase of 2300 new buses during the Tenth Five Year Plan period. All the buses are proposed for replacement of old/unserviceable buses. At the end of the Tenth Five Year Plan period there shall be a fleet strength of 4623 buses comprising 4358 Corporation's own buses and 265 private hired buses. Some of the physical targets for the Tenth Five Year Plan period are as under :

	Tenth Five Year Plan (2002-07)
1. Operated kms.(in crores)	267.00
2. Fleet utilisation (% age)	93
3. Vehicle utilisation per day per bus (on average fleet held)	315
4. Load factor(%age)	66
5. KMPL (Diesel)	4.90
6. Total Fleet at the end of the year (No.)	
a) Corporation Buses	4358
b) Hired Buses	265

RSRDCC

18.41 RSRDCC was established in 1979 under the Company's Act, 1956. The objective of the RSRDCC has been to build bridges and building efficiently, since then the Corporation is being engaged in the construction of multi-storied buildings, roads and bridges etc.. For the Tenth Five Year Plan, a sum of Rs.112.50 crores has been proposed of which Rs.22.00 crores has been kept for Annual Plan 2002-03.

Transport Department

18.42 During Ninth Five Year Plan an outlay of Rs. 2305.50 lakh were provided for control of Air pollution and noise pollution, Road safety, Highways Patrolling Scheme and Highway amenities/Reorganisation of Transport department. The expenditure during Ninth Five Year Plan is to the tune of Rs.913.05 lakhs.

18.43 During the Tenth Five Year Plan Rs. 1085.70 lakhs have been provided to the Transport department for the following activities:

Highway Amenities & Re-organisation :

18.44 Department has taken a composite scheme to construct office buildings and driving tracks through RSRDCC in all transport districts during Ninth Five Year Plan and work started in 32 districts. An amount of Rs.1669.97 lacs was estimated to complete these buildings but only Rs.913.05 lacs were spent during Ninth Plan Period. Out of 32 buildings only 10 buildings were completed and remaining are under construction but the work has been stopped by RSRDCC due to non-transfer of funds. Now department has proposed to complete the ongoing construction work of office buildings and driving tracks / schools in remaining 22 districts during Tenth Five Year Plan period. It needs an amount of Rs.1085.70 lacs for this period, and Rs.197.40 lacs have been proposed in the annual plan 2002-03.

Agricultural Marketing in Rajasthan

18.45 The Rajasthan State Agriculture Marketing Board was established in June 1974 by the Government of Rajasthan under Section 22 A of the Rajasthan Agriculture Produce Market Act, 1961. The Board is a corporate body having perpetual succession.

Achievements of the Board in the Ninth Five Year Plan

18.46 During Ninth Five Year Plan the physical and financial achievements of the Board are as under :

Item	Unit	Achievements	
		Physical (In Km.)	Financial (In Crore)
Development of mandi yards	No.	5	180.00
Rural Link Roads	Km. (BT)	5500	440.00
Total			620.00

Target for Tenth Five Year Plan

18.47 During the Tenth Five Year Plan in the area of Krishi Upaj Mandi Samities development works aggregating 600.00 crores will be executed by the Board. The highlights of the plan as under :

Item	Unit	Achievements	
		Physical (In Km.)	Financial (In Crore)
Development of mandi yards	No.	10	150.00
Rural Link Roads	Km.(BT)	2600	450.00
Total			600.00

Annual Targets estimated as under :

Year	Financial Targets (In crores)	Physical Target
		Rural Road (in Km.)
2002-03	100.00	500

2003-04	110.00	510
2004-05	120.00	520
2005-06	130.00	530
2006-07	140.00	540
Total	600.00	2600