

CHAPTER - 15

TRANSPORT & COMMUNICATION

15.1 A well developed network of transport and communication is an indicator of the economic health and development of a nation. All development sectors get benefits of improved transport and communication system. Road transport fulfils a major role in the economy involving a wide range of industries and services from vehicle manufacturers and suppliers to infrastructure builders, services, energy providers, public authorities, insurance and many others. It is a key factor to social, regional and economic cohesion, including the development of rural areas. In a vast state like Rajasthan, an integrated and efficient communication mode is absolutely necessary for rapid economic development.

15.2 The Eleventh Five Year Plan approach emphasizes development of a good road infrastructure and good quality of road network in the State. Keeping in view of this objective, the State Government is committed and endeavors to implement the following in coming years:-

- All the villages having population 250 and above to be connected by roads.
- Strengthening and renovation of all highways and district roads.
- Works of missing link roads to connect villages to be taken up on priority basis.
- All the damaged roads to be repaired on priority basis by preparing a time bound program.
- Road facilities to be extended to the places of religious and tourist importance.
- Efforts to be made for construction of fly-over, road over-bridge and underpasses on BOT basis on the railway crossing on all NH, SH and district roads.

15.3 Against the provision of ₹ 4683.06 crore for the Eleventh Five Year Plan 2007-12 for Transport sector, an expenditure of ₹ 2173.99 crore has been incurred during the first three Annual Plans. An expenditure of ₹ 1257.51 crore is likely to be incurred in 2010-11. An amount of ₹ 1341.83 crore is proposed for Transport Sector for the Annual Plan 2011-12 which includes ₹ 369.20 crore as IEBR of State Road Corporation and State Road Development & Construction Corporation.

Public Works Department

15.4 The population group-wise connectivity of villages as per population 2001 census as on 31.03.2010 in the State are as follows:-

Table No. 15.1

S. No.	Population Group	Total Villages	Connected as on 31.03.10	Likely to be connected as on 31.03.11
1.	1000 & above	14198	14177	14177
2.	500 - 1000	11058	10918	10927
3.	250 - 500	7713	4792	4833
4.	Below - 250	6784	2280	2280
Total		39753	32167	32217

15.5 The road length in the State as on 31.03.2010 is as under:-

Table No. 15.2

S. No.	Classification	Length in km.				
		BT	MR	GR	FW	Total
1.	National Highways	5692	0	0	32	5724
2.	State Highways	11843	4	12	6	11865
3.	Major District Roads	7725	1	31	73	7830
4.	Other District Roads	22778	7	1695	0	24480
5.	Village Roads	95021	1236	37695	4683	138635
TOTAL		143059	1248	39433	4794	188534

15.6 A State Road Development Fund was created to leverage capital for road development and to get the private sector involved. The State Government has also enacted the Rajasthan Road Development Fund Act, 2004 under which a cess on sales of diesel and petrol has been levied to create a revenue stream for the State Road Fund.

15.7 In order to substantially augment the existing road infrastructure, the Government launched the 'Mega Highways/PP/Annuity Project on VGF basis', first of its kind in the country.

15.8 Recently, a mega highway project costing about ₹ 1600 crore covering to develop 5 State Highways involving a length of 1053 km has been completed. Four/two lane work on 3 mega highway project costing about ₹ 371 crore involving length of 153 km is under progress. These projects are being implemented by Road Infrastructure Development Company of Rajasthan Ltd. (RIDCOR). Four projects costing about ₹ 1171 crore to develop State Highways and Major District Roads of 385 km length are being implemented during 2010-11 and 8 projects costing about ₹ 1245 crore of 611 km length are proposed to be taken up during 2011-12 by RSRDCC Ltd.

15.9 Likely expenditure on Road & Bridges during 2010-11 is ₹ 900 crore. An outlay of ₹ 972.12 crore is proposed for Road & Bridges for the Annual Plan 2011-12. The details of likely expenditure to be incurred on different schemes in 2010-11 and provisions proposed for 2010-12 are as under:-

Table No. 15.3

(₹in crore)

S. No.	Scheme	Likely Exp. 2010-11	Proposed Outlay 2011-12
1.	Central Road Fund	168.13	176.54
2.	Rural Roads	24.12	17.20
3.	Rural Roads-EAP	0.00	100.00
4.	Land Acquisition (G)	0.50	0.95
5.	Land Acquisition (PMGSY)	1.50	3.00
6.	NABARD-RIDF	380.00	379.97
7.	Computerization	0.25	0.25
8.	SRF RIDCOR/RSRDCC-MH-II	108.82	190.00
9.	SRF Development Works	129.93	20.00
10.	SMR-SHW	56.00	27.65
11.	SMR-MDR	28.23	12.92
12.	SMR-Urban Roads	2.02	0.13
13.	SMR-SHW/MDR-TFC	0.00	37.50
14.	Economic Roads	0.50	6.00
15.	Other Roads	0.00	0.01
	Total	900.00	972.12

Physical Targets- Annual Plan 2011-12**Table No. 15.4**

S.No.	Scope of work	Scheme	Unit	Target
1	SMR-SHW & MDR	Central Road Fund	km	354
2	SMR- SHW & MDR	SMR_SHW/MDR	km	500
3	SMR- SHW & MDR	Economic Roads	km	4
4	Rehabilitation	NABARD-RIDF-XVI	km	3300
5	Construction of Rural Roads	EAP-World Bank	km	250
6	Construction of Roads of Religious Places	NABARD-RIDF-XVII	km	300
7	Construction of Rural Roads	Rural Roads	km	30
TOTAL			Km	4738

15.10 Scheme-wise details are as follows:-

Central Road Fund:

15.11 Strengthening and Widening of State Highways (SHWs) and Major District Roads (MDRs) are being done under CRF. The scheme is funded by the Central Government. Under this scheme, sanctions amounting to ₹1668.57 crore for 716 works of 11247 km length have been received from the Central Government up to December, 2010. An expenditure of ₹ 1139.35 crore has been incurred and 653 works have been completed up to December 2010. 63 works are under progress. Against the revised provision of ₹ 168.13 crore kept for 2010-11, an expenditure of ₹ 139.96 crore has been incurred up to December, 2010. A provision of ₹ 176.54 crore has been proposed for the Annual Plan 2011-12.

NABARD - Rural Infrastructure Development Fund

1. NABARD RIDF-X to XII

15.12 The Road Up-gradation Projects (RMUP-I, II & III) were carried out in parts for up-gradation and renewals of roads which were not renewed for last 12 to 15 years. Under this project, about 6520 km roads had been renewed through NABARD loan under RIDF.

15.13 The Water Bound Macadam (WBM) roads constructed by the department under different schemes in past years were upgraded in parts in past five years to black topped roads under WBM to BT project. Under this project, 4720 km WBM roads have been upgraded to BT through NABARD loan under RIDF.

15.14 Construction of new roads/missing links, roads of religious and tourist importance are also being taken up through NABARD loan assistance under RIDF. Under this project, 550 km rural roads have been constructed.

15.15 Expenditure of ₹ 807.51 crore has been incurred up to March, 2010 under NABARD RIDF-X/XI/XII. RIDF trench X had been completed by March, 2010. An expenditure of ₹ 2.81 crore is likely to be incurred on sanctioned works under NABARD RIDF-XI/XII during 2010-11. An outlay of ₹ 70 lakh has been proposed for the Annual Plan 2011-12.

2. Missing Links Project (NABARD- RIDF- XIII)

15.16 Due to construction of new Bitumen roads during past three or four years, many missing links exist in the road network. A new Missing Link project-II amounting to ₹ 299.98 crore, was launched during 2007-08 covering a missing length of 1932 km through NABARD loan assistance of ₹199.55 crore under RIDF and ₹ 20 crore as RSAMB share from its internal resources. Work in 22 districts and 10 districts are being executed by PWD and RSAMB respectively. An expenditure of ₹ 263.23 crore has been incurred under RIDF-XIII up to March, 2010 and an expenditure of ₹ 6 crore is likely to be incurred on sanctioned works under NABARD RIDF-XIII during 2010-11. An outlay of ₹ 3.72 crore has been proposed for 2011-12 under NABARD RIDF- XIII.

3. NABARD RIDF- XIV

15.17 There were 55 villages having population of 500 and above as per 2001 census which had not been covered under PMGSY. To provide all weather connectivity to all these villages and construction of roads of religious and tourist importance, a new project amounting to ₹ 143.08 crore was sanctioned under NABARD-RIDF-XIV during 2008-09.

15.18 A new road project amounting to ₹ 111.71 crore for rehabilitation of 402 damaged rural roads of 1090 km length was also sanctioned under NABARD-RIDF-XIV during 2008-09.

15.19 An expenditure of ₹ 210.20 crore has been incurred under RIDF-XIV up to March, 2010. An expenditure of ₹ 12 crore is likely to be incurred on works sanctioned under NABARD RIDF-XIV during 2010-11. An outlay of ₹ 8.36 crore has been proposed for the Annual Plan 2011-12.

4. NABARD – RIDF-XV

15.20 A new road project amounting to ₹ 272.99 crore for rehabilitation of damaged 878 roads of 2847 km rural roads was sanctioned under NABARD-RIDF-XV during 2009-10. An expenditure of ₹ 143.12 crore has been incurred under RIDF-XV up to March, 2010. An expenditure of ₹ 75 crore is likely to be incurred on works sanctioned under NABARD RIDF-XV during 2010-11. An outlay of ₹ 17.80 crore is proposed for ongoing works during the Annual Plan 2011-12.

5. NABARD – RIDF-XVI

15.21 A new road project amounting to ₹ 565.85 crore for rehabilitation/upgradation/construction of 1735 rural roads of 4875 km length and construction of one HL bridge was sanctioned under NABARD-RIDF XVI during 2010-11.

15.22 An expenditure of ₹ 44.09 crore has been incurred up to December, 2010 on NABARD-RIDF XVI projects. An expenditure of ₹ 252.32 crore is likely to be incurred on new works sanctioned under RIDF-XVI during 2010-11. An outlay of ₹ 281.66 crore has been proposed for the Annual Plan 2011-12 for works sanctioned under RIDF-XVI. Financial & physical targets and likely achievements during 2010-11 and proposed financial & physical targets for 2011-12 are as follows:

Table 15.5

(₹ in crore, Length in km)

S. No.	RIDF-Trench	Fin. Target 2010-11	Phy. Target 2010-11	Likely Fin. Achiev. 2010-11	Likely Phy. Achiev. 2010-11	Proposed Fin. Target 2011-12	Proposed Phy. target 2011-12
1.	XI	0.50	0	0.31	0	0	0
2.	XII	0.75	0	2.50	0	0.70	0
3.	XIII	1.50	10	6.00	12	3.72	0
4.	XIV	4.50	50	12.00	50	8.38	0
5.	XV	166.00	1300	75.00	1300	17.80	0
6.	XVI	76.75	160	252.32	1500	281.66	3300
	Total	250.00	2061	348.13	2862	312.24	3300

6. NABARD-RIDF XVII

15.23 A new road project amounting to ₹ 280.06 crore to construct roads to religious places of 1156 km length is proposed under RIDF XVII during 2011-12. An outlay of ₹ 67.73 crore is proposed for this project in the annual Plan 2011-12.

Land Acquisition (General)

15.24 As per sanctions available for land acquired payment of ₹ 942.30 lakh, payment of ₹ 546.60 lakh has been made under by March, 2010. During 2010, an expenditure of ₹ 50 lakh is expected during 2010-11 against the pending liabilities. An outlay of ₹ 95 lakh is proposed for the Annual Plan 2011-12 for payment of pending liabilities.

Land Acquisition (PMGSY)

15.25 There is no provision of compensation for land acquisition either from the Central Government or State Government. Road works are being taken up after taking consent from land owner regarding surrendering their land. However, payment to Forest Department is to be made for compensating the forest land proposed to be taken under PMGSY roads.

15.26 As per sanctions available for land acquisition of ₹ 2108.05 lakh, payment of ₹ 1337.11 lakh has been made by March, 2010. An expenditure of Rs 150 lakh is likely to be incurred during 2010-11. An outlay of ₹ 300 lakh is proposed for land acquisition payment to Forest Department and private land owners during the Annual Plan 2011-12.

State Road Development Fund

15.27 State Road Fund had been created under an Act of the State Legislature. The Fund is non-lapsable and dedicated to the roads sector. It is financed by the levy of a Cess on the sale of Motor Sprit, commonly known as petrol and high speed diesel oil at a rate of 50 paisa per litre.

15.28 It is estimated that the resources which would accrue to the State Government during the Eleventh Five Year Plan 2007-12 would be around ₹1275 crore. Under this fund, construction and renewal of various roads including ROB's, soft loan to RIDCOR and margin money to RSRDCC amounting to ₹ 1132.70 crore have been sanctioned.

15.29 Under State Road Fund, ₹ 330.24 crore as soft loan and ₹ 50 crore as share capital to RIDCOR for Mega Highway Project-I/II and ₹ 100 crore as margin money to RSRDCC have been given up to December, 2010. An amount of ₹ 32 crore is to be given to RSRDCC for development of highways during 2010-11. A provision of ₹ 210 crore is proposed for road development works including margin money to RSRDCC during the Annual Plan 2011-12.

SMR- State Highways

15.30 During 2009-10, sanction of 46 works of 488.29 km length amounting to ₹ 78.12 crore for widening, strengthening and renewal of State Highways was issued. During 2010-11, sanction of 134 work of 446.66 km length costing ₹ 37.95 crore for widening, strengthening and renewal of State Highways was issued. These works are under progress.

15.31 An expenditure of ₹ 56 crore is likely to be incurred on State Highway road works under progress and new sanctioned works. An outlay of ₹ 27.65 crore is proposed for carried over works during the Annual Plan 2011-12.

SMR-Major District Roads and Others

15.32 During 2009-10, sanction of 82 works of 226.25 km length amounting to ₹ 22.72 crore for widening, strengthening and renewal of major district roads was issued. During 2010-11, sanction of 85 works of 295.60 km length costing 34.14 crore for widening, strengthening and renewal of Major District Roads was issued. These works are under progress.

15.33 An expenditure of ₹ 28.23 crore is likely to be incurred on Major District Roads of works in progress and new sanctioned works. An outlay of ₹ 6.93 crore is proposed in 2011-12 for works under progress and remaining liabilities.

15.34 During 2011-12, construction of 3 ROB's in Jaipur, Jhalawar and Karauli is proposed amounting to ₹ 59.35 crore. An outlay of 6 crore is proposed for these ROB's during the Annual Plan 2011-12.

Rural Roads

15.35 During 2009-10, sanction of 8 works of 26.65 km length amounting to ₹ 22.30 crore was issued for widening, strengthening and renewal of rural roads, roads for religious places and construction of 2 bridges. During 2010-11, 7 new road works of 31.30 km length costing to ₹ 10.42 crore were also sanctioned. All these works are in progress.

15.36 An expenditure of ₹ 24.12 crore is likely to be incurred on on-going and new sanctioned works during 2010-11 and ₹ 17.20 crore is proposed for on-going works and remaining liabilities during 2011-12.

Rural Roads-EAP

15.37 Presently, all works of new connectivity are being taken up under PMGSY. The primary objective of PMGSY is to provide connectivity, by way of all weather road, to eligible unconnected habitations in rural areas, in such a way that all unconnected habitation with population of 500 persons and above and with population of 250 persons and above in desert and tribal areas are connected. Apart from this, there are around 2776 unconnected habitations having population 499-250 in general area which are being connected by gravel road under MNRGES. World

Bank has agreed to finance a project for rural road construction in the State. A project of ₹ 1150 crore has already been submitted to World Bank for approval through Government of India. Against this project a provision of ₹ 100 crore is proposed during 2011-12.

Rural Roads-PPP

15.38 A new scheme with public participation for connectivity of religious places has been launched as per budget announcement 2008-09. Under the scheme, proposals are submitted by public representatives and 75 percent share of the total cost is borne by State Government and 25 percent share contributed by public representatives.

Computerization

15.39 A project of ₹ 8.42 crore for computerization of the department has been approved by Information & Technology Department of the State Government. An expenditure of ₹ 2.55 crore is likely to be incurred on the project up to 2010-11. A provision of ₹ 25 lakh is proposed for the Annual Plan 2011-12.

RAJASTHAN STATE ROAD TRANSPORT CORPORATION (RSRTC)

15.40 Rajasthan State Road Transport Corporation was established on October 1, 1964 under the Road Transport Act, 1950. The main activity of the Corporation is plying buses for passengers from one place to another place within and outside the State.

15.41 Likely expenditure of the Corporation during 2010-11 is ₹ 141.15 crore. The whole amount is to be met out through loans from commercial banks and other financial institutions as internal resources of the Corporation. An amount of ₹ 148.20 crore is proposed for the Annual Plan 2011-12.

15.42 The major physical targets and likely achievements of the Corporation during the Annual Plan 2010-11 and major physical targets for the Annual Plan 2011-12 are as follows:-

Table No. 15.6

S. No.	Item	Unit	Annual Plan 2010-11		Annual Plan 2011-12 Targets
			Targets	Likely Achievements	
1.	Purchase of new buses	No.	1000	1125	1000
2.	Operated km	in crore km	64.00	61.00	66.00
3.	Fleet utilization	% age	96	94	95
4.	Vehicle Utilization	Per day per bus	389	370	373
5.	Load Factor	% age	71.50	73.00	74.00
6.	Km per Litre	Diesel	5.10	5.05	5.06
7.	Earning per km	₹	20.25	20.34	22.03

Rajasthan State Road Development & Construction Corporation (RSRDCC)

15.43 An expenditure of ₹ 214 crore is likely to be incurred in the year 2010-11 and an amount of ₹ 221 crore is proposed for Annual Plan 2011-12 as internal resources of the Corporation.

Transport Department

15.44 The Transport Department is engaged in the activities of regulation, control, registration, taxation and recovery of motor vehicles. In addition to these, extension of new roads for providing better transport facilities to the public, issuing licenses for vehicle driving, implementation of road safety measures and controlling vehicle pollution etc. activities are being performed by the department under various Acts.

15.45 An expenditure of ₹ 216 lakh is likely to be incurred by the department during 2010-11 on construction of driving tracks and office buildings in various districts. A provision of ₹ 50.82 lakh is proposed for on-going works in the Annual Plan 2011-12.