

## **CHAPTER - 15**

### **TRANSPORT & COMMUNICATION**

15.1 The economic fortune of any region is believed to depend upon the growth in infrastructure sector. A sound and reliable transport and communication infrastructure is a definite investment towards ensuring all round growth and development. Transport and Communication is vital to the economic development and social integration of the country. 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 11<sup>th</sup> 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 aim, the State Government is committed and endeavors to implement the following in coming years:-

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

15.3 Against the provision of Rs. 4033.05 crores for the XI Five Year Plan 2007-12 for Transport sector, an expenditure of Rs. 1402.95 crores has been incurred during 2007-08 and 2008-09 and an expenditure of Rs. 765.37 crores is likely to be incurred in 2009-10. Rs. 895.30 crores is proposed for Transport Sector in Annual Plan 2010-11 which includes Rs. 160.50 crores as IEBR of RSRTC and RSRDCC.

#### **Public Works Department**

15.4 The population group-wise connectivity of villages as per population 2001 census as on 31.03.2009 in the State are as below:-

**Table No. 15.1**

S. No.	Population Group	Total Villages	Connected as on 31.03.09	Likely to be connected as on 31.03.10
1.	1000 & above	14198	14175	14175
2.	500 - 1000	11058	10861	10926
3.	250 - 500	7713	4660	4825
4.	Below - 250	6784	2259	2259
<b>Total</b>		<b>39753</b>	<b>31955</b>	<b>32185</b>

15.5 The road length in the State as on 31.03.2009 is as under:-

**Table No. 15.2**

S. No.	Classification	Length in km.				
		BT	MR	GR	FW	Total
1.	National Highways	5691	0	0	31	5722
2.	State Highways	11725	11	16	6	11758
3.	Major District Roads	7587	1	26	59	7673
4.	Other District Roads	22594	7	1817	0	24418
5.	Village Roads	93216	1211	37994	4814	137235
<b>TOTAL</b>		<b>140813</b>	<b>1230</b>	<b>39853</b>	<b>4910</b>	<b>186806</b>

15.6 The likely road length in the State as on 31.03.2010 would be as under:-

**Table No. 15.3**

S. No.	Classification	Length in km.				
		BT	MR	GR	FW	Total
1.	National Highways	5691	0	0	31	5722
2.	State Highways	11725	11	16	6	11758
3.	Major District Roads	7587	1	26	59	7673
4.	Other District Roads	22594	7	1817	0	24418
5.	Village Roads	94526	1161	36734	4814	137235
<b>TOTAL</b>		<b>142123</b>	<b>1180</b>	<b>38593</b>	<b>4910</b>	<b>186806</b>

15.7 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 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 Road Fund.

15.8 In order to substantially augment the existing road infrastructure, the Government launched the 'Mega Highways Project', a first of its kind project in the country. Presently, traffic from Northern to the Southern States and vice-versa uses the road corridors of NH-8, NH-11, NH-12, NH-14 and NH-15 in the State. Under the 'Mega Highways Project', State Highways linking the National Highways are being upgraded into world-class expressways, reducing substantially the distance, time and cost of transportation/travel. Five road corridors of 1050 kms have been developed under the Project. For the project, the State Government joined

hands with Infrastructure Leasing and Financial Services Company (IL&FS Ltd) to create a joint venture named RIDCOR – Road Infrastructure Development Company of Rajasthan Limited.

15.9 Rs. 734.10 crores is proposed for Roads & Bridges in Annual Plan 2010-11 against the likely expenditure of Rs. 655.94 crores in 2009-10. The details of provisions made for different schemes in 2010-11 and likely expenditure to be incurred in 2009-10 are as under:-

**Table No. 15.3**

(Rs. in lacs)

<b>S. No.</b>	<b>Scheme</b>	<b>Likely Exp. 2009-10</b>	<b>Proposed Outlay 2010-11</b>
1.	Central Road Fund	14986.00	16485.00
2.	Rural Roads	2000.00	6200.00
3.	Land Acquisition	337.43	200.01
4.	NABARD - RIDF	27600.00	25000.02
5.	Computerization	0.01	25.00
6.	State Road Fund	17500.00	20000.00
7.	SMR-SHW/MDR	3062.63	5500.00
8.	Others	107.49	0.16
<b>TOTAL</b>		65593.56	73410.19

**Physical Targets- Annual Plan 2010-11**

**Table No. 15.4**

<b>S.No.</b>	<b>Scope of work</b>	<b>Scheme</b>	<b>Unit</b>	<b>Targets</b>
1	SMR-SHW & MDR	Central Road Fund	Kms.	338
2	Widening of Roads SHW/DR	SMR-SHW/SRF WORKS IN PROGRESS Works	Kms.	300
3	Rehabilitation of Roads	NABARD RIDF XV/XVI	Kms.	2250
4	Const. of Rural Roads	NABARD RIDF-XII to XIV	Kms.	50
5	Const. of Rural Roads	Rural Roads	Kms.	30
6	Misc. Roads	State Road Fund	Kms.	200
7	Const. of Rural Roads	Rural Roads-EAP	Kms.	250
<b>TOTAL</b>			Kms.	<b>3418</b>

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. Under this scheme, sanctions amounting to Rs. 1510.05 crore for 693 works of length 10899 km were received from MoRTH, GoI up to 31.12.09. Expenditure of Rs 978.12 crores has been incurred and 9682 kms roads have been widened, strengthened and renewed up to Dec., 2009.

15.12 Out of 693 sanctioned works, 611 works have been completed on which expenditure of Rs. 978.12 crores has been incurred up to Dec.,

2009 and 82 works are under progress. An expenditure of Rs. 149.86 crore is expected during 2009-10. Looking to the accruals of 2009-10, the amount of Rs. 164.85 crore is proposed for 2010-11 under Central Road Fund.

## **NABARD assisted Projects under Rural Infrastructure Development Fund**

### **1. NABARD RIDF-XI & XII**

15.13 The Road Up-gradation Project (RUP-I & II) was 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 19,800 km. of roads had been renewed. Yet there was a backlog of about 20,000 km. for renewal. Out of this backlog, 9541 km. of State Highways and Major District roads have been taken up under Central Road Fund (CRF)/TFC grant for which funds are being received from GoI and renewal work of remaining 10459 km of rural roads (ODR & VR) have been taken up through NABARD loan assistance under RIDF/TFC grant/SRF.

15.14 The Water Bound Macadam (WBM) roads constructed by the Department under different schemes in past years have suffered damage in due course of time. 4720 km lengths of these WBM roads have been upgraded to BT through NABARD loan under RIDF.

15.15 Construction of new roads/missing links, religious and tourist importance roads are also being taken up through NABARD loan assistance under RIDF.

15.16 Expenditure of Rs. 632.71 crore has been incurred up to March, 2009 under NABARD RIDF-XI/XII. An expenditure of Rs. 19.98 crores is likely to be incurred on sanctioned works under NABARD RIDF-XI/XII during 2009-10. Rs. 1.25 crores has been proposed for 2010-11 under NABARD RIDF-XI/XII.

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

15.17 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 Rs. 299.98 crores, was launched during 2007-2008 covering a missing length of 1932 Kms. through NABARD loan assistance of Rs. 199.55 crores under RIDF and Rs. 100.43 crores as RSAMB share from its internal resources. Work in 22 districts and 10 districts are being executed by PWD and RSAMB respectively. Expenditure of Rs. 259.66 crores has been incurred under RIDF-XIII up to Dec., 2009 and an expenditure of Rs. 19.00 crores is likely to be incurred on sanctioned works under NABARD RIDF-XIII during 2009-10. Rs. 1.50 crores has been proposed for 2010-11 under NABARD RIDF- XIII.

### **3. NABARD RIDF- XIV**

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

15.19 A new road project amounting to Rs. 111.71 crore for rehabilitation of 402 damaged rural roads in a length of 1089.92 km has been sanctioned under NABARD-RIDF-XIV during 2008-09.

15.20 An expenditure of Rs. 207.13 crore has been incurred under RIDF-XIV up to Dec., 2009. An expenditure of Rs. 136.73 crores is likely to be incurred on works sanctioned under NABARD RIDF-XIV during 2009-10. An amount of Rs. 4.50 crores has been proposed for 2010-11 under NABARD RIDF- XIV.

### **4. NABARD – RIDF-XV**

15.21 A new road project amounting to Rs. 272.99 crore for rehabilitation of damaged 878 roads of 2846.66 km rural roads has been sanctioned under NABARD-RIDF-XV during 2009-10. An expenditure of Rs. 112.85 crore has been incurred under RIDF-XV up to Dec., 2009. An expenditure of Rs. 121.03 crores is likely to be incurred on works sanctioned under NABARD RIDF-XV during 2009-10. Rs. 166.00 crores is proposed for ongoing works during 2010-11 under NABARD RIDF-XV.

### **5. NABARD – RIDF-XVI**

15.22 There are about 90000 km of Other District and Village roads in the State, which are being maintained by the Department. Out of these roads, 10% roads are damaged where crust thickness of roads is less and patch repair works can not be done and these roads are required to be strengthened and renewed due to increasing traffic density in rural area. A new road project amounting to Rs. 76.75 crore for this is proposed. Rs 25 crore is proposed for widening and strengthening of ODR (GR to BT) as these roads are already being taken up to gravel stage under NREGS. It is proposed to rehabilitate and renew 500 km of Other District and Village Roads at an average cost of Rs. 10 lac per km aggregated to Rs. 51.75 crores.

15.23 Against the likely expenditure of Rs. 276.03 crores on all NABARD assisted works during 2009-10, Rs. 250.00 crores is proposed for 2010-11. Proposed financial & physical targets and likely achievements during 2009-10 and proposed financial & physical targets for 2010-11 are as follows:

**Table 15.5**

S. No.	Programme	Likely Achievement 2009-10		Proposed Targets Annual Plan 2010-11	
		Fin. (Rs. in Cr)	Phy. (in Kms.)	Fin. (Rs. in Cr)	Phy. (in Kms.)
1	WBM to BT	5.00	85	-	-
2	RMUP	82.00	450	-	-
3	Rural Roads	87.03	305	5.75	50
4	Missing Link Project	20.00	140	1.50	-
5	Rehabilitation	82.00	800	242.75	2250
<b>Total</b>		<b>276.03</b>	<b>1780</b>	<b>250.00</b>	<b>2300</b>

### **Land Acquisition (General and ADP)**

15.24 As per sanctions available for land acquired payment of Rs 809.56 lacs and payment of Rs. 3771.50 lacs has been made under General and ADP respectively by March 2009. During this year, an expenditure of Rs. 10.01 lac is expected to be incurred against the pending liabilities. A provision of Rs. 50.01 lacs is proposed for 2010-11 for pending liabilities.

### **Land Acquisition (PMGSY)**

15.25 Villages having population 500 & above in general area and 250 & above in tribal and desert area are being connected by BT under PMGSY. There are such 20 villages having population 1000 & above for which government land is not available for road construction. Out of above villages, forest clearance is required incase of 10 villages. Provision for land acquisition is not provided under PMGSY.

15.26 Sanctions amounting to Rs. 2047 lacs have been issued. Against these sanctions, an expenditure of Rs. 924.73 lacs has been incurred up to March, 09 and Rs. 327.42 lacs is expected during 2009-10. Rs. 150 lacs is proposed for land acquisition payment to Forest Department during 2010-11.

### **State Road Development Fund**

15.27 The State Government has created the State Road Fund 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 Spirit, commonly known as petrol and high speed diesel oil, at a rate of 50 paise per litre.

15.28 Under this fund, construction and renewal of various roads including ROB's amounting to Rs. 932.75 crores have been sanctioned since Sept., 2004. An expenditure of Rs. 203.79 crore has been incurred during 2008-09. Rs. 313.75 crore as interest free loan and Rs. 50 crore

as share capital had been given to RIDCOR for Mega Highway Project. An expenditure of Rs. 175.00 crores is likely to be incurred during 2009-10. Rs. 200.00 crores is proposed for State Road Development Fund in 2010-11.

#### **SMR- State Highways**

15.29 During 2009-10, sanction of 46 works of length of 488.29 Km amounting to Rs. 78.12 crores for widening, strengthening and renewal of State Highways was issued. An expenditure of Rs 25.46 crores is likely to be incurred during 2009-10. Rs. 44.30 crores is proposed for on-going works and remaining liabilities during 2010-11.

#### **SMR-Major District Roads and Others**

15.30 During 2009-10, sanction of 82 works of length of 226.25 Km amounting to Rs. 22.72 crores was issued. During 2009-10 an expenditure of Rs. 516.96 lacs is likely to be incurred on Major District Roads for work in progress and new sanctioned works and Rs. 1070.00 lacs is proposed for on-going works and remaining liabilities during 2010-11.

#### **Rural Roads**

15.31 During this year sanction of 8 works amounting to Rs 22.30 crore was issued. An expenditure of Rs. 20.00 crores is likely to be incurred on on-going and new sanctioned works during 2009-10 and Rs. 12.00 crores is proposed for on-going works and remaining liabilities during 2010-11.

#### **Rural Roads-EAP**

15.32 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 in general area and with population of 250 persons and above in desert and tribal areas are connected. Apart from this, there are around 2995 unconnected habitations having population 499-250 in general area and 591 unconnected habitations having population less than 250 in tribal area which are being connected by gravel road under NRGES. World Bank has agreed to finance a project for rural road construction in the State. A project of Rs. 2000 crore has already been submitted to World Bank through GoI. Against this project, a provision of Rs. 50.00 crore is proposed during 2010-11.

#### **Rural Roads-PPP**

15.33 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% share of the total cost is borne by GoR and 25% share contributed by public representatives.

## Computerization

15.34 A project of Rs. 842 lacs for computerization of the Department has been approved by DoIT. An expenditure of Rs.230.26 lacs has been incurred by March, 2009. A sum of Rs 25 lacs is proposed during 2010-11.

## RAJASTHAN STATE ROAD TRANSPORT CORPORATION (RSRTC)

15.35 Rajasthan Road Transport Corporation was established on October 1, 1964 under 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.

15.36 An expenditure of Rs. 90.00 crores is likely to be incurred in the year 2009-10 and an amount of Rs. 138.00 crores is proposed in the Annual Plan 2010-11. The entire amount is proposed to be met out through loans from commercial banks and other financial institutions.

15.37 The major physical targets and likely achievements of the Corporation during the Annual Plan 2009-10 and major physical targets for the Annual Plan 2010-11 are as follows:-

**Table No. 15.6**

S. No.	Item	Unit	Annual Plan 2009-10		Annual Plan 2010-11 Targets
			Targets	Likely Achievements	
1	Purchase of new buses	No.	650	650	1000
2	Operated Kms.	in crore kms.	62.25	62.75	64.00
3	Fleet utilization	% age	97	94	96
4	Vehicle Utilisation	Per day per bus	386	368	389
5	Load Factor	% age	73.00	71.00	71.50
6	Km per Litre	Diesel	5.05	5.05	5.10

## Rajasthan State Road Dev. & Construction Corporation (RSRDCC)

15.38 An expenditure of Rs. 19.18 crores is likely to be incurred in the year 2009-10 and an amount of Rs. 22.50 crores is proposed in Annual Plan 2010-11 as internal resources of the Corporation.

## Transport Department

15.39 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.

15.40 An expenditure of Rs. 25.00 lacs is likely to be incurred by the department in the year 2009-10. A provision of Rs. 70.00 lacs is proposed for on-going works in Annual Plan 2010-11.