

CHAPTER - 18

TRANSPORT & COMMUNICATION

18.1 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.

18.2 The Twelfth Five Year Plan approach also 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.
- All inter state connectivity with neighboring State would be developed with good riding comfort.
- Efforts to be made for construction of fly-over, road over-bridge and under-passes on BOT basis on the railway crossing on all NH, SH and district roads.

18.3 A provision of ₹ 4033.05 crore was kept in the XI Plan for Transport sector. An expenditure of ₹ 5580.93 crore is likely to be incurred on transport sector during the XI Plan. Scheme-wise allocation & likely expenditure during the XI Plan period is given in the following table:

Table No. 18.1**(₹ in crore)**

S. N.	Department	Outlay XI Plan	Actual Exp. 2007-11	Likely Exp. 2011-12	Likely Exp. XI Plan
1.	Public Works Department	3492.85	2916.29	1454.66	4370.95
2.	Rajasthan State Road Transport Corporation	395.20	290.49	154.00	444.49
3.	Rajasthan State Road Dev. & Construction Corporation	112.50	254.56	500.00	754.56
4.	Transport Department	32.50	4.31	6.62	10.93
Total		4033.05	3465.65	2115.28	5580.93

PUBLIC WORKS DEPARTMENT

18.4 Rajasthan is still behind national average in respect of road length. The road density in Rajasthan is only 55 kilometer, in comparison to national average of 110 kilometer per 100 sq. kilometers. The total road network in the State is 1,89,402 kilometers, three fourth of which is village roads. About 19 percent habitations are still not connected by road. Per capita development cost in the State is very high due to widely dispersed population.

18.5 The population group-wise likely connectivity of villages as per population 2001 census as on 31.03.2012 in the State are as follows:-

Table No. 18.2

S. No.	Population Group	Total Villages	Connected as on 31.03.11	Likely to be connected on 31.03.12
1.	1000 & above	14198	14179	14179
2.	500 - 1000	11058	10945	10960
3.	250 - 500	7713	4826	4831
4.	Below - 250	6784	2307	2307
Total		39753	32257	32277

18.6 The road length in the State as on 31.03.2011 is as under:-

Table No. 18.3

S. No.	Classification	Length in km.				
		BT	MR	GR	FW	Total
1.	National Highways	5694	0	0	30	5724
2.	State Highways	11841	4	12	16	11873
3.	Major District Roads	9872	1	122	142	10137
4.	Other District Roads	22377	16	1669	0	24062
5.	Village Roads	93700	1250	39330	3326	137606
TOTAL		143484	1271	41133	3514	189402

18.7 An outlay of ₹ 3492.85 crore was fixed in the XI Plan, against which likely expenditure is ₹ 4370.95 crore. The outlays fixed for the XI Plan and likely expenditure under various schemes being implemented are as follows:

Table No.18.4

(₹ in crore)

S. N.	Scheme	Outlay XI Plan	Actual Exp. 2007-11	Likely Exp. 2011-12	Likely Exp. XI Plan
1	Central Road Fund	679.87	662.93	199.49	862.42
2	State Road Fund	1275.00	870.04	210.00	1080.04
3	NABARD	1480.38	1174.29	600.00	1774.49
4	Rural Road-EAP	0.00	0.00	40.00	40.00
5	13th FC-SHW/MDR	0.00	0.00	37.50	37.50
6	SMR-SHW/MDR	1.65	132.20	322.22	454.42
7	Economic Roads	0.00	0.23	5.66	5.89
8	Urban Roads	0.00	1.32	1.78	3.10
9	MNP/Rural Roads	27.20	51.85	22.08	73.93
10	Land Acquisition-General	10.00	0.94	5.41	6.35
11	Land Acquisition-ADP	6.25	0.10	0.00	0.10
12	Land Acquisition-PMGSY	6.00	14.18	10.27	24.45
13	Public Works	2.00	0.19	0.00	0.19
14	Indian Road Congress	1.00	0.88	0.00	0.88
15	Computerization	3.50	1.18	0.25	1.43
16	Others	0.00	5.76	0.00	5.76
	Total	3492.85	2916.29	1454.66	4370.95

18.8 Details of physical targets fixed for the XI Plan and likely achievements are as follows:-

Table No18.5

S. N.	Scope of work	Scheme	unit	Target	Likely Ach.
1	SMR SHW & MDR	Central Road Fund	km,	4037	3075
2	SMR SHW & MDR	SMR-SHW/MDR	km.	0	2305
3	SMR SHW & MDR	13th FC/Economic Roads	km.	0	104
4	Const. of Missing Links	NABARD RIDF-13 & 17	km.	0	1386
5	Const. of Religious Roads	NABARD RIDF-16	km.	0	600
6	Up-gradation WBM to BT	NABARD RIDF-11 & 12	km.	1250	2072
7	RMUP	NABARD RIDF-11 to 17	km.	6100	9618
8	Const. of Rural Roads	NABARD RIDF-X & XII.	km.	250	1086
9	Const. of Rural Roads	MNP/Rural Roads	km.	136	204

S. N.	Scope of work	Scheme	unit	Target	Likely Ach.
10	SMR-SHW/MDR	State Road Fund	km.	10	503
11	CC Road	SRF/SMR-SHW	km.	8	203
12	SMR-ODR & VR	State Road Fund	km.	6458	2275
13	ROB	State Road Fund	Nos.	16	4
TOTAL				18249	23431

18.9 Other major achievements during the XI Plan are as follows:-

- North-South corridors comprising 1053 km State Highways widened to 2-lane and another 176 km State Highways being widened to 2-lane on BOT basis including 7 ROB's and 30 bypasses by RIDCOR.
- 12 Nos. corridors comprising 890 km State Highways being widened on BOT /Annuity basis by RSRDCC.
- A project of 16 Mega-Highways for up-gradation of 2927 km of secondary corridors taken up at a cost of ₹ 3492 crore.
- 4569 Revenue villages connected by 14230 km BT roads under PMGSY. Village connectivity increased to 81 percent.

18.10 Outlays of ₹ 9017.23 crore and ₹ 1690.33 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively for the development of road sector. Scheme wise details are as follows:-

Table No 18.6

(₹ in crore)

S.N.	Scheme	Proposed Outlay	
		XII Plan	Annual Plan 2012-13
1	Central Road Fund	1590.94	229.41
2	SMR-SHW-13th FC	112.50	37.50
3	SMR-SHW/MDR	1260.00	270.00
4	State Road Fund	1648.87	220.00
5	NABARD RIDF - 12 to 22	3177.50	633.60
6	Rural Roads-EAP	1100.00	270.00
7	Rural Roads	55.29	15.00
8	Economic Roads	30.00	6.00
9	Urban Roads	28.94	5.87
10	Land Acquisition (G)	11.50	2.51
11	Land Acquisition (PMGSY)	0.19	0.19
12	Computerization	1.50	0.25
TOTAL		9017.23	1690.33

18.11 Main physical targets of the XII Plan and the Annual Plan 2012-13 are as follows:-

Table No.18.7

S.N	Scope of work	Scheme	Unit	Targets	
				XII Plan	Annual Plan 2012-13
1	SMR SHW & MDR	Central Road Fund	km,	2270	382
2	SMR SHW & MDR	13th FC/Eco. Roads	km.	430	104
3	SMR SHW & MDR	SMR-SHW-MDR	km.	3100	1896
4	Const. of Rural Roads	NABARD RIDF-14 to 22	km.	1000	14
5	Const. of Rural Roads	Rural Roads	km.	100	50
6	Const. of Missing Links	NABARD RIDF-17 to 18	km.	2850	1500
7	Construction of Missing Links	NABARD RIDF-16	km.	556	550
8	Const. of Rural Roads	EAP-WB	km.	7350	1000
9	RHEB-Rural Roads	NABARD RIDF-14 to 22	km.	8400	1500
10	ROB	SRF/SMR-MDR	Nos.	15	4
	TOTAL			26056	7000

18.12 Other major targets for the XII Plan are as follows:

- 7 Nos. projects comprising 274 km. State Highways at a cost of ₹ 773 crore would be widened to 2-lane by RIDCOR.
- 12 Nos. corridors comprising 890 km State Highways would be widened on BOT/Annuity basis by RSRDCC.
- A project of 16 Mega-Highways for up-gradation of 2927 km. of secondary corridors at a cost of ₹3492 crore would be completed.
- All the revenue villages having population 250 and above would be connected.

Central Road Fund

18.13 Strengthening and Widening of State Highways (SHWs) and Major District Roads (MDRs) are being done under CRF. The scheme is fully funded by the Central Government. During the XI Plan, 200 works of 3072.35 km. length costing ₹ 1304.44 crore were sanctioned and ₹ 791.83 crore have so far been received. 125 works have been completed and 75 works are under progress. An expenditure of ₹ 794.21 crore has been incurred up to November, 2011. Outlays of ₹ 1590.94 crore and ₹ 229.41 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively for various works under the scheme.

SMR-State Highways and Major District Roads

18.14 Strengthening, Modernization and Renovation of State Highways and Major District Roads are being done under this Scheme. The State Government has decided to take up strengthening and renewal of 4000

km. State Highways in next three years from 2011-12 to 2013-14 at a cost of ₹ 750 crore. During the XI Plan period, an expenditure of ₹ 454.42 crore is likely to be incurred covering a length of 2305 km. Outlays of ₹ 1260.00 crore and ₹ 270.00 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively for various works under the scheme

18.15 A grant of ₹ 150 crore has also been recommended by the XIII Finance Commission for strengthening of State Highways for the period 2011-12 to 2014-15. An expenditure of ₹ 37.50 crore is expected to be incurred during the XI Plan period covering a length of 100 km. Outlays of ₹ 112.50 crore and ₹ 37.50 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively.

State Road Fund

18.16 A separate non lapsable State Road Fund has been created for road development by levying cess on the sale of petrol and high speed diesel in the State. A collection of ₹ 1156 crore is expected during the XI Plan period. So far, 960 works like construction of missing links, missing CD works, bridges, religious and tourism roads, CC roads on SHWs/MDRs, bye passes, ROBs, widening and strengthening of SHWs/MDRs, subsidy to BOT projects and margin money/soft loan to RSRDCC/RIDCOR of ₹ 979.43 crore have been sanctioned during the XI Plan period. An expenditure of ₹ 1080.04 crore is expected during this period. Out of which, ₹ 166.49 crore has been provided to RIDCOR as soft loan to develop 1229 km. length of SHWs under 9 projects costing to ₹ 2098 crore. An amount of ₹ 231.75 crore has also been provided to RSRDCC as margin money and ₹ 10 crore as share capital to develop 890 km. length of SHWs under 12 projects costing to ₹ 2243 crore. 4 ROBs are likely to be completed by March, 2012. Work on 12 ROBs would be completed during 12th Five Year Plan. It is estimated that around ₹ 1648.87 crore would accrue to the State during the XII Plan period, a provision of ₹ 220 crore is proposed for road development works during the Annual Plan 2012-13.

Rural Infrastructure Development Fund

18.17 NABARD is providing 80 percent loan to the State Governments for the development of rural roads under this scheme. 5866 various works like strengthening and renewal of rural roads, construction of missing links, religious & other important rural roads and bridge of 15152.20 km length costing to ₹ 2126.36 crore under RIDF-13 to 17 are under progress. Details of these works are as follows:-

Table No. 18.8**(₹ in crore)**

S.No.	Scheme	Sanctions		Likely Achievement XI Plan		Proposed for 2012-13
		No.	Amount	No.	Amount	Amount
1	RIDF-13	607	199.55	590	200.50	0.50
2	RIDF-14	675	254.79	654	250.65	1.50
3	RIDF-15	878	272.99	835	270.18	2.00
4	RIDF-16	2426	863.21	1484	563.99	80.00
5	RIDF-17	1280	535.82	413	203.00	250.00
	Total	5866	2126.36	3566	1488.32	334.00

18.18 An expenditure of ₹ 1774.49 is likely to be incurred during the XI Plan period on the new works sanctioned and ongoing works of X Plan against the outlay of ₹ 1480.38 crore. Outlays of ₹ 3214.48 crore and ₹ 633.60 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively for ongoing and new works under the scheme.

Rural Roads-EAP

18.19 Almost all villages having population 500 and above in general areas and 250 and above in tribal and desert areas have been connected by BT road. Only about 2800 villages having population 250 to 500 in general areas are to be connected by BT road. An Externally Aided Project amounting to ₹ 1150 crore for rural connectivity of these villages has been posed to World Bank. Outlays of ₹ 1100 crore and ₹ 270 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively under the scheme.

Rural Roads

18.20 Likely expenditure under the scheme during the XI Plan is ₹ 73.93 crore against the outlay of ₹ 27.20 crore. Outlays of ₹ 55.29 crore and ₹ 15 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively under the scheme.

Land Acquisition

18.21 An expenditure of ₹ 30.90 crore is likely to be incurred on payment of compensation in lieu of land acquisition under General, ADP and PMGSY scheme during the XI Plan period. Outlays of ₹ 11.69 crore and ₹ 2.70 crore are proposed for the XII Plan and the Annual Plan 2012-13 respectively under the scheme.

Computerization

18.22 An expenditure of ₹ 1.43 crore is likely to be incurred on computerization of the department during the XI Plan against the outlay of ₹ 3.50 crore. A new project for strengthening of IT sector in the department costing ₹ 1.50 crore is proposed to execute during the XII Plan. The System Study/RFP preparation work related to

computerization project is being carried out by RajComp Information Services Ltd.(RISL) under the supervision of State e-Governance Mission Team (SeMT) and the Apex Committee. This project includes study, design, development of application software, purchase of hardware up to sub-division offices, installation of network connectivity among all offices of the department across the State. It also includes five year maintenance and FMS requirements. Outlays of ₹ 30.03 crore and ₹ 1 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively under the scheme.

Rajasthan State Road Development & Construction Corporation (RSRDCC)

18.23 An expenditure of ₹ 754.56 crore is likely to be incurred during the XI Plan period against the outlay of ₹ 112 crore. Outlays of ₹ 1000 crore and ₹ 400 crore are proposed to be invested during the XII Plan and the Annual Plan 2012-13 respectively as internal resource of the Corporation.

Transport Department

18.24 The Transport Department is engaged in the activities of regulation, control, registration, taxation and recovery of motor vehicles taxes. In addition to these, extension of new routes 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.

18.25 An outlay of ₹ 32.50 crore was kept for the XI Five Year Plan against which likely expenditure is ₹ 10.93 crore. Construction of 29 office buildings of the department out of the 37 offices has been completed. Construction of record rooms in 11 regional offices is under progress. Process of issuing online licenses is under progress. Interlinking of all the 74 Transport offices through computer is also under progress. Government of India has sanctioned ₹ 14 crore to establish inspection and certification centre at Railmagra district Rajsamand.

18.26 Outlays of ₹ 22.35 crore and ₹ 3 crore are proposed in the XII Plan and the Annual Plan 2012-13 respectively for construction of office buildings, record rooms, on-lining of process of issuing licenses and computerization of the department.

RAJASTHAN STATE ROAD TRANSPORT CORPORATION (RSRTC)

18.27 The 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.

18.28 An expenditure of ₹ 444.49 crore is likely to be incurred on the activities of the Corporation during the XI Plan period. The whole amount has been met out through loans from commercial banks and other financial institutions as internal resources of the Corporation. The main achievements of the Corporation during the XI Plan are as follows:

Table No. 18.9

S.N.	Item	Unit	Target XI Plan	Likely Ach. XI Plan
1.	Operated km	in crore km	305	303.60
2.	Fleet utilization	%	96	94.20
3.	Vehicle Utilization	Per day per bus	383.20	393.20
4.	Load Factor	%	70.90	72.84
5.	Km per Litre	Diesel	5.06	5.01
6.	Purchase of New Buses	No.	2700	3170

18.29 An outlay of ₹ 478.70 crore is proposed in the XII Plan, out of which ₹ 85.60 crore is for the Annual Plan 2012-13. Main physical targets for the XII Plan and the Annual Plan 2012-13 are as follows:

Table No. 18.10

S.N.	Item	Unit	Target XII Plan
1.	New Bus Purchasing	No.	2500
2.	Operated km	in crore km.	330
3.	Fleet utilization	%	96
4.	Vehicle Utilization	per day per bus	407.60
5.	Load Factor	%	75.60
6.	Km per Litre	Diesel	5.09