

7 TRANSPORT

7.1 ROAD TRANSPORT

Outlay- ` 25.00 Cr

7.1.1 Road Transport is a vital infrastructure for the development of economy of the state. Goods transport is mainly operated by the private sector and passenger transport is shared between government sector and private sector. Punjab Roadways is a purely government undertaking that provides travelling facilities to the public.

7.1.2 In the 12th Five Year Plan 2012-17 an outlay of ` 86.51 Cr has been provided. An outlay of ` 25.00 Cr is provided for the Annual Plan 2014-15.

The scheme-wise details are as under: -

Ongoing Scheme

State Funded Scheme

New Scheme

RT-08 Provision of Equity to PRTC

Outlay- ` 25.00 Cr

7.1.3 PRTC is in the process of purchase of 100 new ordinary buses and construction of new 3 bus stands. Construction works of bus stands at Faridkot & Rama Mandi has been under taken and likely to be completed by March, 2015. For this purpose, an outlay of ` 25.00 Cr is provided for Annual Plan 2014-15.

7.2 ROADS AND BRIDGES

Outlay- ` 1032.04 Cr

7.2.1 The state has big network of 60881 km of roads comprising of 1749 km of national highways, 2112 km major district roads, 4482 km of other district roads and 51059 km of village link roads. All villages in the state were connected with village roads in early 1970's. During the 12th Five Year Plan, 5 national highway of 893 km road length of Zirakpur – Bathinda, Jalandhar – Dhillwan,

Amritsar – Shri Ganga Nagar, Jalandhar – Jind Road and Kharar – Ludhiana Road will be upgraded to 4/6 lanning under Public Private Partnership. Once these works are completed nearly the entire network of national highways will have been upgraded 4/6 lanes.

7.2.2 The progress as regards the state highways and major district roads has also been equally impressive. 9 roads of 520 km length were upgraded on BOT basis at a cost of ` 620 Cr. During the 12th Five Year Plan, there is proposal to construct and upgrade 575 km of road length under BOT basis at an estimated cost of ` 2400.00 Cr. Besides, 27 ROBs/RUBs and 10 High Level Bridges and construction of bye-passes in major towns will also be taken up during the next few years.

7.2.3 An outlay of ` 3664.38 Cr has been provided in the 12th Five Year Plan 2012-17. An expenditure of ` 577.53 Cr has been incurred during the Annual Plan 2012-13 to 2013-14. An outlay of ` 1032.04 Cr (CS- ` 372.03 + SS ` 660.01 Cr) is provided for the Annual Plan 2014-15.

Ongoing Schemes

State Funded Scheme

RB-01 World Bank Scheme for Road Infrastructure (75:25)

Outlay- ` 150.00 Cr

7.2.4. The financial status of the World Bank Scheme is under:-

- **Financial Status**
 - Total Project Cost - ` 1500 Cr
 - World Bank Funding 75% - ` 1125 Cr
 - G.O.P. Funding 25% - ` 375 Cr
 - Period - 2007-12
 - Extended period - Upto 2017
- **Total Receipts (Till 31.7.2014)** - ` 1043.21 Cr
 - World Bank Share - ` 764.45 Cr
 - G.O.P. Share - ` 278.76 Cr
- **Expenditure(upto 31st July, 2014)** - ` 1038.78 Cr
 - World Bank Share - ` 759.02 Cr
 - G.O.P. Share - ` 278.76 Cr

- **Physical Status Phase-I**

The Phase-I of project consisted of following works:-

- i) Upgradation of 152 Km of state roads
- ii) Rehabilitation of 205 Km of roads
- iii) Periodic Maintenance of 350 Km of roads.
 - o All the Upgradation, Rehabilitation and Periodic Maintenance works (702 km of state roads at a cost of ` 775 Cr approx.) stand completed.

- **Phase-II of the project**

Sangrur-Mansa-Bathinda Contract Area			
Road Section No.	Road Section/Name	Classification	Length (kms)
S1	Sangrur-Sunam: (MDR21	MDR	11.30
S2	Bhawanigarh-Sunam-Bhikhi-SH13 Intersection-Kotshamir: (SH12A)	SH	106.13
S3	Barnala-Mansa: (SH13)	SH	7.29
S4	Mansa-Talwandi Sabo-Ramtirath Jaga : (ODR9)	ODR	24.97
S5	Dhanaula-Bhikhi : (MDR14)	MDR	25.34
B8	Bathinda-Kotshamir-Talwandi Sabo-Ramtirath Jaga: (SH17)	SH	28.65
Total Contract Length - km			203.68

Achievements in past two years :-

1. The construction of Jagera Bridge on Ludhiana – Malerkotla - Sangrur road (UG-2) - completed.
2. On OPRC network Sangrur – Mansa – Bathinda road Rehabilitation of 25.34 Km of Dhanula-Bhikhi road - completed.
3. Widening of Mansa - Kenchain Chowk to Mour road on OPRC network (Km 11.16) - completed.
4. Road Safety Enhancement works carried out on approx. 350 Km of Project roads- completed.
5. On OPRC network Sangrur – Mansa – Bathinda road the balance works of 2013-14 Km 15.88 on Bhawanigarh to Mahila Chowk - completed.

Targets and Achievements for the year 2014-15:-

- o As part of work for Improvement, Rehabilitation and Routine Maintenance of Sangrur - Mansa – Bathinda road network following works have been taken :
 - Widening of the 24.97 Km road from Mansa (Ram Ditta wala Chowk) to Talwandi Sabo (Village Ram Tirath Jagga) - Work is under progress.
 - Rehabilitation of Kot Shamir to Bathinda road (approx. 5 Km).

Target date of completion- Dec., 2014.

- iii. Widening of road from Mansa Kenchian Chowk to Distt Mansa boundary (Km 22.62-Target date of completion – Dec, 2014.
- o Increasing Structural Adequacy of pavement on UG-1 corridor (i.e. Kharar-Banur-Tepla road) - Target date of completion - Nov., 2014.
- o Construction of Dehlon Bypass : Target date of completion – June, 2015
- o Improvement of Accident Black spots on PSRSP Core Road network. Target date of completion – March, 2015

7.2.5 An outlay of ` 424.38 Cr has been provided in the 12th Five Year Plan. An expenditure of ` 233.76 Cr has been incurred during 2012-13 to 2013-14. An outlay of ` 150.00 Cr is provided for the Annual Plan 2014-15.

RB-02 NABARD Assisted Project-Construction/Widening of Roads and construction of bridges and infrastructure -RIDF (V-XII) (XIII-XVI)

Outlay - ` 10.00 Cr

7.2.6 Several projects have been sanctioned by NABARD to strengthen the road Infrastructure in the rural areas in the state through widening/four-laning and construction of bridges. The ratio of funding pattern between NABARD and State is 80:20.

Progress of NABARD Projects is as under:-

- **Works completed during 2012-13**
 - o Upgradation - 306 kms. Length of Rural roads and 9 Nos bridges - ` 35 Cr
 - o Upgradation - 40 kms of road length - ` 7 Cr
- **Works completed during 2013-14**
 - o Upgradation – 189.34 kms of rural road and 1 No. bridge - ` 37.00Cr

7.2.7 An expenditure of ` 82.55 Cr was incurred during 2012-13 to 2013-14. An outlay of ` 10.00 Cr is provided for the Annual Plan 2014-15.

RB-05 Upgradation of 380 rural roads under RIDF-XIX (80:20) (NABARD: State)

Outlay - ` 200.00 Cr

7.2.8 The total cost of the project is ` 391.36 Cr, out of which, ` 285.93 Cr (80%) would be NABARD share and ` 105.43 Cr (20%) would be State share. Under this project, works of 380 link roads with length of 1504.59 kms will be taken up. This scheme is being implemented by the Department of Agriculture, Punjab.

7.2.9 An expenditure of ` 121.79 Cr has been incurred during 2013-14. An outlay of ` 200.00 Cr is provided for the Annual Plan 2014-15.

RB-06 Project for link roads and infrastructure Development in rural areas (Funded through RDF)

Outlay - ` 300.00 Cr

7.2.10 This is state plan scheme, under this link roads and infrastructure will be developed in rural area of Punjab. An outlay of ` 300.00 Cr has been provided under this scheme for the Annual Plan 2014-15. This scheme is to be implemented by the Department of Agriculture through Punjab Mandi Board.

Block Grants

BG-6(RB-03) Central Road Fund (CRF)

Outlay - ` 70.00 Cr

7.2.11 Government of India provide funds under Central Road Fund scheme. The allocation of works are sanctioned by Ministry of Surface Transport, Government of India.

As per Central Road Fund Act 2000, the allocation of share of fund is as under:-

- (a) 50% of cess on high speed diesel (HSD) for development of rural roads
- (b) Balance 50%cess on HSD+100% cess on petrol is allocated as follows:-
 - (i) 57.5% for development and maintenance of National Highway.

- (ii) 12.5% for ROBs/RUBs and erection of safety works at unmanned level crossing
- (iii) Balance 30% for development and maintenance of roads other than NH. Out of this amount 10% (i.e.3% out of balance) is kept as reserve by Central Govt. for allocation to State for implementation of state road scheme of Inter-State and Economic Importance to be approved by Central Govt.

7.2.12 Punjab contributes about ` 600 Cr per year in terms of levy of cess of ` 1.5 per litre on diesel and petrol to Central Road Fund. However, the formula of allocation of funds under CRF was altered to the disadvantage of the state in the year 2010. As per earlier formula, the weightage was given to the states for area and fuel consumption in the ratio of 40:60, now this ratio has been changed to 70:30. Due to this change, the state has to bear loss upto 35% of the annual accrual. In this regard, request has already been made to Gol that earlier formula for allocating funds may be restored.

- **Works completed during 2012-13**

- Upgradation - 125 kms.of State Highways - ` 62 Cr

- **Works completed during 2013-14**

- Upgradation – 40 kms of State Highways and construction of major bridge on River Sutlej in progress

7.2.13 An outlay of ` 450.00 Cr has been provided in the 12th Five Year Plan 2012-17. An expenditure of ` 109.26 Cr has been incurred during 2012-13 to 2013-14. An outlay of ` 70.00 Cr is provided for the Annual Plan 2014-15.

CSS – Flagship Scheme

CS(RB)-11(i) Pradhan Mantri Gramin Sadak Yojana (PMGSY-I)-100%

Outlay – ` 302.00 Cr

7.2.14 Pradhan Mantri Gramin Sadak Yojana, a 100% centrally sponsored scheme, was launched in the country by the Government of India in December 2000. The main objective of the scheme is to provide road connectivity with a population of more than 5000 persons. 50% of the cess on high speed diesel (HSD) is earmarked for the programme. Under this scheme, first link (connectivity) is to be provided to all connected habitations having population 500 or more in the rural areas.

7.2.15 Keeping this object in view the Core Networking having 25330 km length of Rural Through Routes and Rural Link Routes has been prepared by the State Govt. in the year 2003 as per GoI instructions The detail of the Core Network roads is as under:-

- o Through Routes (T-Routes) - 7582 Km
- o Link Routes (L-Routes) - 17748 Km

7.2.16 In Link Routes approximate 1508 km length of new construction of rural roads is also included and remaining 16240 Km length are existing link routes. Through Routes are connecting the villages, marketing centres, small towns and main cities. Link Routes are linking the 1 or 2 habitants/villages to Through Routes or main roads. All the identified Through Routes are existing rural roads.

Progress under PMGSY (i) is as under:-

- **Phase-I to Phase-VII1** (All works of Phase-I Phase-VII1 completed Work)

Total works	-	727 works
Total length	-	4497.95 Km
New connectivity	-	436 works – Road length 820.13 Km
Upgradation/balance works	-	291 works length –3627.82 Km only and one work (Bridge & approaches) in progress
Expenditure	-	₹ 1412.45 Cr s (till June, 2014)

- **Phase-IX (Border Area Project)**

Total works - 36 roads, length – 499.37 Km, estimated cost ₹ 235.36 cr

- i. Under Regular PMGSY (16 Works) - ₹ 86.14 Cr
11 works completed and remaining are in progress.
- ii. Under World Bank funded RRP-II (20 Works) - ₹ 149.22 Cr
17 works completed and remaining are in progress.

- **Phase-X – Batch-I (2010-11)**

Total works approved - 61 roads, estimated cost of ₹ 339.31 Cr
Out of 61 works, 46 work completed

- **Phase-XI (2012-13)**

Upgradation – road length – 1092.88 Km, estimated cost of ` 670.51 Cr Stands submitted to MoRD. The approval of Gol is awaited.

Physical achievements during last 3 years (Upgradation)

SN	Year	Target	Achievement(Km)
1	2010-11	500.00	628.71
2	2011-12	593.00	71.76
3	2012-13	165.00	325.54
4	2013-14	875.00	730.38

Financial achievements during previous years

(` Cr)

SN	Year	Last year Balance	Financial Allocation	Fund received	Fund released	Total funds available	Funds utilized	Funds utilized (%age)
1	2009-10	22.00	250.00	348.42	348.42	370.42	322.63	87%
2	2010-11	49.49	250.00	194.43	194.43	242.22	155.34	64%
3	2011-12	86.88	250.00	164.61	164.61	251.49	61.49	25%*
4	2012-13	190.00	213.00	169.66	169.66	359.66	238.15	112%
5	2013-14	160.68	350.00	117.68	117.68	278.36	295.70	85%

* Low progress is due to the reason that the bid document was finalised only in May, 2011 & the work started in Nov., 2011.

7.2.17 An outlay of ` 2750.00 Cr has been provided in the 12th Five Year Plan 2012-17. An expenditure of ` 533.85 Cr has been incurred during 2012-13 to 2013-14. An outlay of ` 302.00 Cr as centre share is provided for the Annual Plan 2014-15.

CS(RB)-11(ii):Pradhan Mantri Gramin Sadak Yojana (PMGSY-II)- 75:25

Outlay – ` 0.04 Cr

7.2.18 From 2014-15, the PMGSY scheme will be funded in the ratio of 75:25 between Centre and States. All the projects upto phase-XI have been sanctioned under PMGSY-I (100% CSS). The works approved under phase IX, X & XI of PMGSY are in progress and funds for these ongoing works shall be received from Government of India during 2014-15 and 2015-16. Government of India has also

been decided that the funding for PMGSY scheme shall now be through Finance Department, Punjab. A target of 1345 kms for the upgradation of existing roads has been given by the Gol. After the approval of list of roads from State Level Standing Committee, the project for 1459.50 km length & cost of ₹ 952.92 Cr has been submitted to Govt. of India dated 17.04.2014. For this purpose, an outlay of ₹ 0.04 Cr (CS- ₹ 0.03 + SS ₹ 0.01) is provided for the Annual Plan 2014-15.

7.3 CIVIL AVIATION

Outlay – ₹ 13.00 Cr

7.3.1 The state government is focusing on enhancing the air connectivity with other states and countries. Construction work of International Air Terminal at Mohali has begun. ₹ 450 Cr Phase-I project is scheduled to be completed by Jan., 2015. Sri Guru Ram Dass Ji International Airport, Amritsar has already been upgraded. Chandigarh International Civil Air Terminal at Mohali will be commissioned by Dec., 2014. Civil Airport at Sahnewal near Ludhiana - 7.5 acre of land handed over to Airports Authority of India for works which will help to land flights even during low visibility conditions. 322 acres of additional land is being acquired for the extension and up-gradation of this airfield to handle bigger jet aircrafts. Construction of the building of Civil Enclave, Bathinda on the site is complete and ready for commissioning. Ministry of Defence, Govt. of India has accorded their approval for starting two civil commercial flights from Indian Air Force station Bhisiana near Bathinda. 40 acres of land with the cost of ₹ 3.55 Cr at Village Virk Kalan in Distt. Bathinda has been handed over to Airports Authority of India for the construction of Civil Air Terminal.

7.3.2 Besides the upgradation of the two existing flying academies, the state proposes to start two new flying academies at Talwandi Sabo and Faridkot in Public Private Partnership mode. In the 12th Five Year Plan, there is a proposal to construct a civil enclave at Indian Air Force Station at Adampur near Jalandhar and start domestic flights. A request has already been made to Ministry of Defence for obtaining their NOC for this project.

7.3.3 An outlay of ` 9.00 Cr has been provided for the 12th Five Year Plan. An expenditure of ` 37.22 Cr was incurred during 2012-13. An outlay of ` 13.00 Cr is provided for the Annual Plan 2014-15.

Ongoing Schemes

State Funded Schemes

AV-01AV-1 Extension of existing Air Fields & Airports & Construction of new Airports & Heliports in Punjab and Acquisition of Land.

Outlay - ` 10.00 Cr

7.3.4 The main objective of the scheme is strengthening and extension of aerodromes which include improvement/widening of taxi track, construction of boundary wall around aerodromes, payment of compensation for land purchased for construction of airports as well acquisition of land at Faridkot and Adampur for development of airfield and construction of civil enclave in the state.

7.3.5 An outlay of ` 5.00 Cr has been provided for 12th Five Year Plan. An outlay of ` 10.00 Cr is provided for the Annual Plan 2014-15.

AV-02 Upgradation of Training and Infrastructure facilities at the Flying Institutes of the State of Punjab and aircraft maintenance.

Outlay - ` 3.00 Cr

7.3.6 Under this scheme, the works of upgradation of Training and Infrastructure facilities at the Flying Institutes of the State of Punjab and purchase of Aircraft for Aircraft Maintenance Engineering College, Patiala & Salaries of Instructor and other Staff of flying Academies and Aircraft Maintenance College, Patiala.

7.3.7 An outlay of ` 2.00 Cr has been provided for 12th Five Year Plan. An outlay of ` 3.00 Cr is provided in the Annual Plan 2014-15.

7.4 PUNJAB INFRASTRUCTURE DEVELOPMENT BOARD

Ongoing Scheme

State Funded Scheme

PIDB-1 Creation of infrastructure in the State

Outlay- ` 1600.00 Cr

7.4.1 To fill the infrastructure gaps in roads, airports, drinking water, health services, education, sewerage etc. is a gigantic task, involving huge investments. It is not possible to fully provide for infrastructure development out of the limited resources of the state. It is, therefore, important to attract private investment into infrastructure development. Punjab Infrastructure and Development Board was set up in 1998 under the Punjab Infrastructure Development Ordinance, 1998. This was replaced by a comprehensive Punjab Infrastructure Development and Regulation Act, 2002. PIDB is funded by infrastructure fee of 2% on agricultural produce except fruit and vegetables and `1 on every liter of petrol. The PIDB has also been declared as a nodal agency for development of vacant and surplus government lands under Optimum Utilisation of Vacant Government Lands (OUVGL) scheme. Punjab Infrastructure Regulatory Authority (PIRA) has recently been set up.

7.4.2 Since its inception, it has facilitated 52 infrastructure projects with an estimated cost of Rs. 3651 Cr s including 13 roads, 3 modern bus terminals, 8 O&M of bus terminals, 1 hospitals, 5 five star hotels, 1 three star hotels, 3 polytechnics, 9 ITIs, 2 tourist complex, 1 Diagnostic Centre, 1 O&M of PIMS. During 12th five year plan, PIDB is likely to spend around `5000 Cr from its own budget. Public Private Partnership works of `14908 Cr are proposed to be set up in tourism, transport, health and road sectors. Important upcoming projects are –

- ` 8705 Cr - Metro Rail Project Ludhiana,
- ` 2500 Cr - Water Front City in Ludhiana,
- ` 900 Cr - Ropar-Phagwara Expressway,
- ` 400 Cr – Bus Terminals,
- ` 130 Cr – Hospitals/Diagnostic Centres.
- ` 200 Cr – Public Rapid Transport (PRT) System for Amritsar City, PIDB plans to make an investment of ` 1600 Cr during 2014-15. The major allocations for the planned works are :-
- ` 1017.24 Cr – for Road Sector
- ` 357 Cr – for Transport Sector
- ` 159.13 Cr – for ROBs/RUBs
- ` 114.44 Cr – for HLBs
- ` 112 Cr – for water Supply, sewerage and STPs
- ` 85 Cr – for Education Sector
- ` 70 Cr – for Tourism & Cultural Infrastructure
- ` 15 Cr – for Health Infrastructure