

ANNEXURE 7.1.1

PROFILE OF TRANSPORT SECTOR

Sl. No.	Item		1950-51	1960-61	1970-71	1980-81	1990-91	1991-92	1995-96	1996-97
1.	RAILWAYS									
1.1	Route length	Kms.	53596	56247	59790	61240	62367	62458	62915	62725
1.2	Electrified Route Length	Kms.	388	748	3706	5345	9968	10653	12306	13018
1.3	Throughput									
1.3.1	Freight traffic (Total)	M.Tonnes	93.00	156.20	196.50	220.00	341.40	360.00	405.50	409.02
1.3.2	Net Tonne (Kms.)	B.T.Kms.	44.12	87.68	127.36	158.47	242.70	256.90	273.52	279.99
1.3.3	Passengers Originating	Millions	1284	1594	2431	3613	3858	4049	4018	4153
1.3.4	Passenger Kms.	Millions	66517	77665	118120	208558	295644	314564	341999	357013
2.	ROADS									
2.1	Total Length	000 Kms.	400	525	915	1485	2350	2486	3320	N.A.
	of which National Highways	000 Kms.	22	24	24	32	33.7	33.7	34.5	N.A.
2.2	Percentage of Village with 1000 + population connected with all weather roads	Percent	NA	NA	N.A.	29	45.8	46.6	85.7	N.A.
2.3	Surfaced Length	000 Kms.	156	234	398	684	1113	1160	1517	N.A.
3.	ROAD TRANSPORT									
3.1	No. of Goods Vehicles	In '000	82	168	343	554	1356	1514	1785	N.A.
3.2	No. of Passenger Buses	In '000	34	57	94	162	331	358	449	N.A.
4.	MAJOR PORTS									
4.1	No. of major ports	Numbers	5	9	10	10	11	11	11	11
4.2	Traffic handled	M.Tonnes	19.38	33.12	55.58	80.27	151.67	156.64	215.34	227.26
5.	MINOR PORTS									
5.1	Traffic handled	M.Tonnes	N.A.	N.A.	6.69	6.73	11.27	13.33	24.36	24.93
6.	CIVIL AVIATION									
6.1	Indian Airlines									
(i)	Available Tonne Kms.	Million	N.A.	113	208	663	927	1090	1046	1075
(ii)	Revenue Tonne Kms.	Million	N.A.	83	161	420	699	761	723	698
6.2	Air India									
(i)	Available Tonne Kms.	Million	N.A.	N.A.	515	1623	2260	1973	2610	2452
(ii)	Revenue Tonne Kms.	Million	N.A.	N.A.	275	980	1381	1149	1619	1485
6.3	No. of Airports and Civil Enclaves	Numbers	N.A.	N.A.	N.A.	84	117	117	120	120
7.	INLAND WATER TRANSPORT									
7.1	Length of Navigable Waterways	Kms.	14544	14544	14544	14544	14544	14544	14544	14544

Annexure 7.1.2

Road and Rail Route Length in Relation to Area and Population in India
As on 31st March, 1996 (State-Wise)

ALL INDIA/STATE/UTS	Area (Sq.Kms.)	Population (Lakhs)	Total Road Length (Kms.)	Road Length (Kms.)		Rail route Length(Kms.)		
				Per 100 Sq. Kms. of Area	Per 1 Lakh of Population	Total	Per 100 Sq. Kms.	Per 1 Lakh of Population
1	2	3	4	5	6	7	8	9
ALL INDIA	3291080	8443	2403634	73.0	284.7	62915	1.91	7.45
1. Andhra Pradesh	275068	664	172669	62.8	260.0	5057	1.84	7.62
2. Arunachal Pradesh	83743	9	10240	12.2	1137.8	1	0.00	0.11
3. Assam	78438	223	68079	86.8	305.3	2441	3.11	10.95
4. Bihar	173877	863	85565	49.2	99.1	5283	3.04	6.12
5. Goa	3814	12	7457	195.5	621.4	79	2.07	6.58
6. Gujarat	196024	412	133850	68.3	324.9	5320	2.71	12.91

Lighthouses 30 & Lightships	*	57	25					)	4	7	6	14	9	12	*
Civil Aviation 1948		29	23	43	49	55	49	203	177	337	294	859	957	758	
Other Transport		0	0	0	0	0	0	0	0	0	0	0	0	49	
29476 56090 Sector		7249													
Total Transport		506	434	1299	1100	1395	1983	2571	2522	5420	5543	12080	13961	22644	
218729 Sector		434100													
Total Public		2069	1960	4800	4672	7500	8577	15902	15779	39322	39426	97500	109291	180000	
13.5 as %age to Public Sector		12.9	22.1	27.1	23.5	18.6	23.1	16.2	16.0	13.8	14.1	12.4	12.8	12.6	

* Included under Ports sector.
Anticipated.

Annexure 7.1.4

Railways - Financing of Plans - Approved and Actual Outlays

Year		Rs. crore)			
		Budgetary Support	Extra Budgetary Resources (Bonds etc)	Internal Resources	Total
1992-93	Approved	1925	1200	2575	5700
		(34.0)	(21.0)	(45.0)	(100.0)
	Actual	2589	1025	2548	6162
		(42.0)	(17.0)	(41.0)	(100.0)
1993-94	Approved	960	1300	4240	6500
		(15.0)	(20.0)	(65.0)	(100.0)
	Actual	974	856	4030	5860
		(17.0)	(14.0)	(69.0)	(100.0)
1994-95	Approved	1150	1684	4315	6515
		(18.0)	(16.0)	(66.0)	(100.0)
	Actual	1145	779	3582	5506
		(21.0)	(14.0)	(65.0)	(100.0)
1995-96	Approved	1150	2250	4100	7500
		(15.0)	(30.0)	(55.0)	(100.0)
	Actual	1138	1118	4208	6464
		(18.0)	(17.0)	(65.0)	(100.0)
1996-97	Approved	1439	2750	4111	8300
		(17.0)	(33.0)	(50.0)	(100.0)
	Actual	1465	2383	4462	8310
		(18.0)	(28.0)	(54.0)	(100.0)
1997-98	Approved	1831	3050	3419	8300
	(BE)	(22.0)	(37.0)	(41.0)	(100.0)
	(RE)	2001	2983	3419	8403
		(24.0)	(35.0)	(41.0)	(100.0)
1998-99 (BE)		2200	2900	4400	9500
		(23.0)	(31.0)	(46.0)	(100.0)

Note: Figures in parentheses indicate percentage to total

Annexure 7.1.5
Railways - Major Plan Head-wise Investment

(Rs.crore)

Sl. No.	Plan Head	Seventh Plan		Eighth Plan									
		Outlay	Expr.	1992-93		1993-94		1994-95		1995-96		1996-97	
				Outlay	Expr.	Outlay	Expr.	Outlay	Expr.	Outlay	Expr.	Outlay	Expr.
1.	Rolling Stock	4290	5294	2260	2408	2750	2320	2700	1956	2940	2533	3805	4158
2.	Workshops including Production Units	(1200	927	300	155	260	136	170	120	200	101	140	111
3.	Machinery & Plant	(	353	90	63	85	40	77	35	95	36	90	62
4.	Track Renewals	2500	3582	1000	1063	1010	970	970	1024	1050	1150	1050	1202
5.	Bridge Works	284	251	90	71	80	72	90	73	160	85	80	81
6.	Gauge Conversion	(1300	1759	550	689	810	931	925	1150	1000	1117	1000	1061
7.	Doubling	(		130	213	219	232	150	206	300	218	300	244
8.	Traffic Facilities - yard Remodelling & Others	(		130	112	100	121	75	72	152	85	140	117
9.	Signalling & Telecommunication works	400	425	150	153	165	156	225	169	285	208	296	228
10.	Computerisation	400	184	45	16	60	26	80	58	100	45	75	43
11.	Electrification Projects	830	961	235	235	280	278	260	291	390	348	360	279
12.	Other Electrical Works	80	169	68	65	65	44	60	61	90	67	90	61
13.	New Lines	350	916	200	293	200	252	190	240	203	211	220	296
14.	Staff Quarters	(175	131	25	27	28	29	28	22	31	22	60	31
15.	Amenities for Staff	(	104	30	27	33	31	33	34	35	35	60	47
16.	Passenger & Other user's Amenities	(	77	50	36	60	68	60	74	90	88	120	88
17.	Other Specified works	0	112	30	25	30	19	40	22	24	17	25	16
18.	Inventories	100	554	90	274	90	-143	90	-418	85	-98	10	27
19.	M.T.P.	400	473	170	178	170	225	230	255	240	196	190	145
20.	Railway Research	25	26	5	8	5	3	11	8	20	2	9	3
21.	Investment in PSUs	0	251	52	51	0	51	51	54	10	0	10	10
Total		12334	16549	5700	6162	6500	5860	6515	5506	7500	6464	8130*	8310

* In addition to this an amount of Rs.170 crores as additional budgetary support was provided to Ministry of Railways.

Annexure 7.1.6

Physical Targets for Railways during the Ninth Plan (1997-2002)

Item	1997-98	1998-99	1999-2000	2000-01	2001-02
(1)	(2)	(3)	(4)	(5)	(6)
	Provisional Actuals				
Traffic Targets:					
1.(a)Revenue Earning originating freight traffic (Million tonnes)	430	450	475	500	525
(b)Transport output (Billion tonne kms)	288	308	323	338	353
2.(i)Originating passenger traffic (million)					
a) Suburban	2720	2738	2821	2904	2989
b) Non-Suburban	1662	1729	1751	1772	1793
c) Total	4382	4467	4572	4676	4782

(ii) Passenger Kms
(Billion)

a) suburban	80	83	85	86	87
b) Non-Suburban	291	306	308	311	313
c) Total	371	389	393	397	400

4. Physical Targets

i) Acquisition of rolling stock						
(a) Locomotives: (Nos)						
Electrical	193	158	170	165	165	851
Diesel	151	178	156	150	150	785
(b) Coaches: (Nos)						
EMU/MEMU/DMUs	293	420	420	420	420	1973
Others (Conventional)	2122	2037	2150	2250	2350	10909
(c) Wagons (Nos)	26000	26000	27000	28000	29000	136000
ii) New Lines (RKms)						
	236	133	150	150	150	819 kms
iii) Gauge Conversion (RKms)						
	900	810	750	650	600	3710 kms
iv) Track Renewals (Track Kms)						
	2812	2710	2800	2800	2800	13922 kms
v) Electrification (RKms)						
	514	500	420	450	450	2334 kms
vi) Doubling (RKms)						
	500	500	500	500	500	2500 kms

Annexure 7.1.7

CENTRAL SECTOR ROADS - TARGETS & ACHIEVEMENTS

Sl. No.	Scheme	Unit	VII Plan Period		VIII Plan Period (1992-97)	
			Target	Achievements	Target	Achievements
1.	Missing Link	Km.	15	9	-	-
2.	Widening to two lanes	Km.	1503	1636	1094	901
3.	Widening to four lanes	Km.	116	96	615	245
4.	Strengthening weak 2 lane	Km.	3351	4025	3445	3542
5.	Bypasses	Nos.	11	12	14	9
6.	Major Bridges	Nos.	70	56	73	37
7.	Minor Bridges Including ROB	Nos.	375	392	326	264

ANNEXURE 7.1.8

Outlay/Expenditure on Road Sector (Centre) -- Eighth Plan 1992-97

Name of the Scheme	8th Plan Outlay	1992-93		1993-94		1994-95		1995-96		1996-97		1992-97 Total Exp.
		BE	Exp.	BE	Exp.	BE	Exp.	BE	Exp.	BE	Exp.	
Revenue Section												
1. Research & Development	24.00	7.90	1.92	5.04	2.20	4.05	3.18	4.50	3.20	3.25	1.00	11.50
2. Grant to NHAI	0.00	0.50	0.00	0.01	0.00	3.00	3.00	3.00	3.00	10.00	10.00	16.00
3. Strategic Roads	42.00	11.10	10.50	12.51	10.09	9.51	9.50	7.51	7.50	7.51	4.67	42.26

4. TOTAL (Revenue)	66.00	19.50	12.42	17.56	12.29	16.56	15.68	15.01	13.70	20.76	15.67	69.76
Capital Section												
5. Machinery	20.00	2.50	1.85	2.50	1.77	2.43	2.38	1.00	0.32	2.50	2.44	8.76
6. National Highway	1350.00	320.87	320.84	298.69	296.98	317.50	317.54	366.34	351.94	365.64	365.64	1652.94
(Original Works)												
7. Externally aided Scheme	914.00	80.00	80.30	220.00	173.35	267.50	261.48	319.55	265.04	317.00	369.80	1149.97
8. National Highway Authority of India	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00	200.00	200.00
9. Works entrusted to NHAI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	24.00	44.00
10. Border Road Development Board	150.00	38.00	41.00	41.00	47.04	48.00	48.00	52.00	51.00	53.00	52.99	240.03
11. National Highway Authority of India											00.00	00.00
Externally Aided Projects (Loans & Advances)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Economic & Importance Scheme	60.00	2.50	2.50	3.25	3.25	3.01	0.74	12.00	3.25	12.00	12.00	21.74
TOTAL Capital	2534.00 *	443.87	446.49	565.44	522.39	522.39	630.14	638.44	691.55	974.14	1026.87	3317.44
GRAND TOTAL (Revenue + Capital)	2600.00	463.37	458.91	583.00	534.68	538.95	645.82	653.45	705.25	994.90	1042.54	3387.20

Annexure 7.1.9

HIGH DENSITY TRAFFIC CORRIDORS OF NATIONAL HIGHWAYS

Sl. No.	NH No.	Section	Appx. Length KM
I. DELHI-BOMBAY			
1.	8	Delhi-Jaipur	260
2.	8	Jaipur-Ajmer	135
3.	8	Ajmer-Udaipur	273
4.	8	Udaipur-Ahmedabad	287
5.	8	Ahmedabad-Mumbai	473
		Total	1428
II. DELHI-CALCUTTA			
1.	2	Delhi-Agra	200
2.	2	Agra-Kanpur	280
3.	2	Kanpur-Allahabad-Varanasi	331
4.	2	Varanasi-Barhi	284
5.	2	Barhi-Calcutta	395
		Total	1490
III AGRA-BANGALORE			
1.	3,25	Agra-Jhansi	200
2.	26	Jhansi-Lakhnadon	400
3.	7	Lakhnadon-Nagpur	160
4.	7	Nagpur-Hyderabad	400
5.	7	Hyderabad-Bangalore	560
		Total	1720
IV. MUMBAI-CHENNAI			
1.	4	Mumbai-Pune	145
2.	4	Pune-Satara-Belgaum	315
3.	4	Belgaum-Chitradurga-Bangalore	455
4.	4	Bangalore-Chennai	320

Total 1235

V. CHENNAI-BANGRIPOSI (JN WITH NH NO.6)

1.	5	Chennai-Vijayawada	434
2.	5	Vijayawada-Vishakhapatnam	395
3.	5	Vishakhapatnam-Bhubaneshwar	418
4.	5	Bhubaneshwar-Bangriposi	286
Total			1533

VI. MUMBAI-CALCUTTA

1.	3	Mumbai-Dhule	273
2.	6	Dhule-Nagpur	515
3.	6	Nagpur-Sambalpur	554
4.	6	Sambalpur-Calcutta	576
Total			1918

Annexure 7.1.10

PHYSICAL TARGETS FOR THE NINTH PLAN
YEAR 1998 - 2002

ACTIVITY		1998	1999	2000	2001	TOTAL	
Kms/nos.	kms/nos.	Physical kms/nos.	Physical kms/nos.	Physical kms/nos.	Physical kms/nos.	Physical	Physical
1.	Widening to two lanes (kms.)	267		218	256	291	1032
2.	Four laning (kms.)	36		29	37	51	153
3.	Strengthening/providing Paved shoulder (kms.)	624		584	657	729	2594
4.	Bypasses (nos.)	4		4	5	7	20
5.	Major Bridges/ Rehabilitation	9		7	9	11	36
6.	Minor Bridges/ROBs(nos.)	45		44	51	58	198

Note : Item-wise achievement against Serial Nos. 1-6 of the Table above were 162 Km., 49 Kms., 314 Km., NIL Nos., 4 Nos., and 28 Nos., respectively.

Annexure 7.1.11

TENTH FINANCE COMMISSION

PROVISION FOR MAINTENANCE OF ROADS

(Rs. lakhs)

State	1995-96	1996-97	1997-98	1998-99	1999-2000	1995-2000
1	2	3	4	5	6	7
Andhra Pr.	22471	30069	37667	45265	52863	188335
Arunachal Pradesh	1242	1628	2014	2399	2785	10068
Assam	9295	11711	14128	16544	18960	70638
Bihar	13586	16663	19741	22819	25896	98705
Goa	914	1246	1579	1912	2245	7896
Gujarat	25257	29732	34208	38683	43159	171039
Haryana	6998	7544	8099	8658	9177	40476
Himachal Pr.	3889	4928	5968	7007	8047	29839
J&K	2749	3470	4191	4912	5633	20955
Karnataka	14133	17785	21436	25088	28740	107182
Kerala	10957	12772	14588	16403	18219	72939
Madhya Pr.	28685	30922	33195	35486	37615	165903
Maharashtra	47356	51050	54802	58583	62098	273889
Manipur	400	667	933	1200	1466	4666
Meghalaya	2812	3031	3254	3479	3688	16264

Mizoram	1303	1404	1508	1612	1708	7535
Nagaland	1438	1709	1980	2251	2522	9900
Orissa	15280	20807	26334	31861	37388	131670
Punjab	8393	10938	13482	16027	18571	67411
Rajasthan	19238	20738	22263	23799	25227	111265
Sikkim	851	917	984	1052	1116	4920
Tamil Nadu	25697	27702	29738	31790	33697	148624
Tripura	996	1339	1681	2024	2366	8406
Uttar Pr.	31753	43086	54420	65753	77087	272099
West Bengal	12975	17541	22108	26674	31240	110538
Total	308668	369399	430301	491281	551513	2151162

Annexure 7.1.12

Category-wise number of Registered Motor Vehicles
(As on 1st March)

(in '000 Nos.)

Year	Two wheelers	Four wheelers	Buses	Goods vehicles	Others	Total vehicles	Index
1951	27	159	34	82	4	306	100
1961	88	310	57	168	42	665	217
1971	576	682	94	343	170	1865	609
1981	2618	1160	162	554	897	5391	1762
1991	14200	2954	331	1356	2533	21374	6985
1993	17183	3361	364	1603	2994	25505	8335
1995	20831	3841	423	1794	3406	30295	9898
1996	23111	4189	449	1785	4024	33558	10967

Source: Ministry of Surface Transport, Transport Research Wing.

Annexure 7.1.13

Outlay and expenditure for Eighth Plan

Important Projects/ Schemes	8th Plan 1992-97	
	Approved outlay	Actual Expdr.
1. Delhi Transport Corp.	140.00	19.42
2. Capital Contribution to SRTCs	70.00	27.14
3. Road Safety Prog.	35.80	29.87
. Road safety Cell	0.30	0.34
. Publicity Measure	5.00	2.37
. Grant-in-Aid	1.50	0.82
. Pollution Testing Equip.	10.00	6.86
. Road Safety Equip.	10.00	13.99
. National Highway/Petrolling Scheme	9.00	5.49
4. Training Prog.	7.10	0.73

Year	S.R.T.U.	1996-97	2001-2002	1996-97	2001-2002	1996-97	2001-2002	1996-97	2001-2002	1996-97
2001-2002		Lat. Est	Target	Lat. Est	Target	Lat. Est.	Target	Lat. Est	Target	Lat. Est
Target										
5.0	1. Andhra Pradesh 5.0	97	97	306	310	39.8	41.0	8.0	7.8	
3.7	2. Arunachal Pradesh 3.7	84	84	139	128	23.5	28.1	5.4	5.4	
4.1	3. Assam 4.3	76	85	143	220	14.7	26.0	13.6	9.7	
3.7	4. Bihar 4.0	78	70	34	183	4.7	1.0	48.0	312.0	4.0
4.8	5. Goa 4.0	73	79	195	215	32.0	34.0	8.5	8.0	
4.4	6. Gujarat 5.0	87	88	293	303	45.1	45.1	7.5	7.5	
3.4	7. Haryana 4.5	95	95	300	320	54.1	57.7	5.8	5.8	
3.6	8. Himachal Pradesh 3.5	97	97	207	226	39.6	40.4	5.4	5.7	
4.6	9. Jammu & Kashmir (B) 3.7	70	80	93	121	15.4	18.2	6.7	6.5	
3.8	10. Karnataka 4.5	91	94	274	294	43.5	50.8	6.3	5.8	
4.3	11. Kerala 3.9	80	80	271	276	36.6	39.6	9.2	8.7	
4.6	12. Madhya Pradesh 4.6	80	91	206	260	22.7	37.5	11.2	6.9	
3.3	13. Maharashtra 4.6	93	94	280	305	39.5	45.4	7.4	7.4	
4.0	14. Manipur (B) 3.5	41	64	84	103	7.6	10.7	22.0	10.6	3.5
3.2	15. Meghalaya 3.4	50	61	73	98	15.2	22.2	9.6	7.3	
4.2	16. Mizoram (B) 3.3	45	60	45	56	7.1	6.9	14.3	13.3	3.2
4.3	17. Nagaland 3.5	29	65	47	92	8.3	18.4	19.4	7.7	3.7
4.8	18. Orissa 4.1	64	90	139	255	18.0	35.0	14.0	8.0	
3.2	19. Punjab Roadways 4.2	94	95	241	268	44.9	50.8	5.3	5.3	
4.2	20. PEPSU RTC 4.3	90	93	258	270	46.9	49.9	4.8	5.0	
3.2	21. Rajasthan 4.8	90	91	281	300	51.7	57.4	6.2	6.0	
4.2	22. Sikkim (B) 3.2	70	75	65	75	20.7	20.7	5.1	5.1	
4.6	23-42 Tamil Nadu 4.3	93	94	383	394	52.3	51.3	7.9	7.8	
3.5	43. Tripura (B) 3.5	60	75	90	135	9.2	15.8	14.0	10.5	3.5
3.9	44. Uttar Pradesh 4.7	91	93	214	252	30.6	38.5	7.4	7.0	
3.7	45. Calcutta STC 3.5	79	85	146	174	15.9	21.3	11.7	9.7	
4.5	46. North Bengal STC 4.0	72	90	193	261	27.6	36.2	9.6	8.0	
	47. South Bengal STC 4.1	58	81	132	204	26.0	36.9	9.3	6.3	
	ALL INDIA AVERAGE 4.5	89	92	278	302	40.5	44.5	7.6	7.3	

Annexure 7.1.16

Volume of Traffic at Major Ports

(In Million Tonnes)

Name of the Port	1991-92	92-93	93-94	94-95	95-96	96-97
1. Calcutta/Haldia	16.00	18.34	18.50	20.54	21.52	23.12
2. Mumbai	26.26	28.95	30.51	30.67	33.92	33.73
3. J.L.Nehru	2.79	3.01	3.38	5.01	6.87	8.07
4. Chennai	25.05	25.33	26.54	29.46	30.72	31.85
5. Cochin	7.48	7.98	7.62	8.63	11.50	11.74
6. Vizag	21.52	22.76	25.59	30.03	32.82	34.50
7. Kandla	21.00	22.91	24.50	26.50	30.34	33.73
8. Mormugao	15.10	16.31	18.72	18.88	18.09	17.31
9. Paradip	7.30	7.60	8.33	10.12	11.26	11.58
10. New Mangalore	8.27	7.09	8.63	8.01	8.88	12.46
11. Tuticorin	5.87	6.22	6.70	8.04	9.29	9.17
Total	156.64	166.50	179.02	195.89	215.21	227.26

Annexure 7.1.17

Composition of Traffic Handled at Major Ports

(In million Tonnes)

Commodity	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
		Actuals	Actuals	Actuals	Actuals	Actuals
POL	67.60	73.76	76.92	80.37	90.92	98.08
Iron Ore	32.10	29.83	34.10	34.35	34.56	33.30
Coal	22.40	24.49	26.81	30.80	33.79	34.87
Fertiliser	9.92	9.91	9.47	11.00	12.36	7.18
Container	6.72	7.62	11.90	15.01	17.44	20.59
General Cargo	17.90	20.89	19.82	24.36	26.14	33.49
Total	156.64	166.50	179.02	195.89	215.21	227.26

Annexure 7.1.18

Ports - Eighth Plan Outlay and Expenditure

S.No.	Annual Plan	Approved Outlay (Rs. crores)	Expenditure incurred (Rs. crores)	Percentage Utilisation Plan Outlay
(A)	MAJOR PORTS			
(i)	1992-93	541.66	253.44	46.8
(ii)	1993-94	584.34	270.99	46.4
(iii)	1994-95	434.50	310.54	71.5
(iv)	1995-96	721.43	438.95	60.8
(v)	1996-97	576.60	486.80	84.4
	Total (A)	2858.53	1760.72	61.6

(B) OTHERS(DCI,ALHW,MPSO,etc.)

(i)	1992-93	71.10	20.58	28.9
(ii)	1993-94	37.20	45.71	122.9
(iii)	1994-95	40.50	26.58	65.6
(iv)	1995-96	92.70	42.44	45.8
(v)	1996-97	55.00	30.67	55.8
Total(B):		296.50	165.98	55.9
Grand Total(A) + (B):		3155.03	1926.70	61.1

Annexure 7.1.19

Port-wise Traffic and capacity projections
at the end of Ninth Plan

(In Million Tonnes)

S.No.	Name of the Port	Capacity (As on 31.3.97)	Planned Capacity Augmentation By the End of 2002			
			Traffic (2002)	New Schemes	Spill Over of VIII Plan	Prod. Improv. and others
1.	Calcutta	7.87	8.65)		
2.	Haldia	17.70	23.08	7.5)	
3.	Paradip	10.90	33.46	4.0)	
4.	Vizag	31.45	45.01	0.5)	
5.	Chennai	25.90	56.54	9.5)	
6.	Tuticorin	7.60	16.24	3.1	)	37
7.	Cochin	13.46	16.74	4.5	)	50
8.	New Mangalore	16.45	34.91	13.0)	
9.	Mormugao	19.18	23.58	18.0)	
10.	Mumbai	30.80	43.45	11.0)	
11.	JNPT	9.90	24.51	15.3)	
12.	Kandla	24.00	97.80	36.0)	
Total		215.21	423.94	122.4	37	50

Annexure 7.1.20

Statement Showing Details of Outlays and Expenditure during 8th Plan - Civil Aviation

(Rs. crores)

Sl. No.	Name of the Organisation 1992-97	8th Plan Outlay	1992-93		1993-94		1994-95		1995-96		1996-97
			Approved Outlay	Actual Expdr.	Approved Outlay	Actual Expdr.	Approved Outlay	Actual Expdr.	Approved Outlay	Actual Expdr.	Approved Outlay
1.	Air India Limited 1214.16 3886.53	1800.00	395.50	571.76	724.70	450.62	747.01	703.11	2952.44	946.88	2907.75
2.	Indian Airlines Limited 397.93 1555.66	1220.00	193.57	155.24	418.97	335.66	428.18	308.40	411.41	358.43	445.00

3. Vayudoot		5.00	0.50	0.50	5.66	NA	4.00	-	-	-	-
-	0.50		(0.50)	(0.50)			(0.50)				
4. Pawan Hans Limited		80.00	25.57	4.90	28.28		1.20	14.90	8.27	29.80	4.10
106.25	31.43	49.90									
5. Airports Authority of India											
a) International Airports Di		400.00	117.97	58.23	135.80	79.31	119.60	71.56	162.31	100.41	205.92
131.12	440.63										
b) National Airports Div.		400.00	275.47	75.38	250.00	253.54	342.36	275.67	300.00	262.03	381.50
189.25	1055.87										
		(67.00)	(20.00)	(1.50)	(3.71)	(1.54)	(13.11)	(11.35)	(46.25)	(39.72)	(48.55)
(18.06	(72.17)										
6. D.G.C.A.		25.00	7.00	5.84	7.25	2.08	4.00	2.91	5.45	1.82	2.90
1.58	14.23										
		(25.00)	(7.00)	(5.84)	(7.2	(2.08)	(4.00)	(2.91)	(5.45)	(1.82)	(2.90)
(1.5	(14.23)										
7. B.C.A.S.		10.00	1.42	0.30	1.00	(0.004)	1.00	0.0024	1.66	0.44	
2.00	0.40	1.15									
		(10.00)	(1.42)	(0.30)	(1.0	(0.004)	(1.00)	(0.0024)	(1.66)	(0.44)	
(2.00)	(0.4	(1.15)									
8. I.G.R.U.A.		45.00	15.00	0.51	4.98	2.71	9.99	0.12	4.33	0.02	
24.20	0.07	3.43									
							(4.99)	(0.12)			
9. Hotel Corporation of India		10.00	4.00	2.47	15.80	3.07	15.00	30.96	18.00	30.37	63.73
21.81	88.68										
10. Aero Club of India		3.00	0.08	0.00	0.01	0.00	0.01	0.00	0.01	-	
0.01	-	-									
		(0.08)			(0.01)		(0.01)		(0.01)		(0.01)

TOTAL		3998.00	1036.08	875.13	1592.45	1128.19	1686.05	1401.00	3885.41	1704.5	4139.26
1987.75	7096.58										
		(107.00)	29.00)	(8.14)	(11.97)	(3.62)	(23.11)	(14.26)	(53.37)	(41.98)	(53.46)
20.04)	(88.05)										

NOTE : Figure in bracket indicates budgetary support

Annexure-7.1.21

AIRPORTS AUTHORITY OF INDIA CAPACITY, DEMAND AND AUGMENTATION FOR PASSENGER TERMINALS AT INTERNATIONAL AIRPORTS NINTH PLAN

At Commencement of plan period (Annual in Millions)

Growth rate

At completion of plan period (Annual in Millions)

Action plan

Airports
Capacity
Demand

Capacity
Demand

Mumbai
International
5.0
4.76
5.5%

7.5

6.22

Construction of Ph-III International Terminal to be completed in Aug'99.

Domestic

6.45

6.30

10.5%

6.45

10.39

Construction of Ph-II Domestic terminal under sanction. Expected completion Dec.2002. Capacity on completion-11.0 million. Demand on completion 11.27 million.

Thiruvananthapuram

International

0.36

0.85

7.5%

0.42

1.22

Extension of existing Terminal to be completed in Dec'99. New Complex to be constructed after techno-economic viability studies and land acquisition.

Domestic

0.80

0.26

10.5%

0.80

0.42

No action Required.

Calcutta

International

0.52

0.61

7%

1.65

0.86

Modification Ph-I to be completed in Dec'2000. Modification Ph-II to be completed in March 2002.

Domestic

3.70

1.96

10.5%

3.70

3.23

New Domestic Terminal already commissioned in 1995.

Chennai

International

0.46

1.54

7.5%

1.80

2.20

Construction of International Terminal (Ph-II) being taken up, Completion Dec'2001.

Domestic

2.67

1.83

10.5%

2.67

3.01

Ph-II Domestic terminal proposed in Xth Plan.

Delhi

International

3.4

3.7

7%

3.40

5.18

Feasibility report of Phase-II terminal under submission, possibility of private participation being explored.

Domestic
7.2
4.3
10.5%
7.20
7.04

Possibility of private participation for Constn. Of New domestic terminal being explored.

Annexure -7.1.22

AIRPORTS AUTHORITY OF INDIA
CAPACITY, DEMAND AND AUGMENTATION FOR
INTERNATIONAL CARGO TERMINALS AT MAJOR AIRPORTS
NINTH PLAN

AIRPORT

At Commencement of Plan period (Annual in `000 tonnes)

Growth rate

At completion of plan period (Annual in `000 tonnes)

Action plan

Capacity
Demand

Capacity
Demand

Mumbai

186.86

200.20

12%

219.80

352.82

By implementing 'Instant Cargo Scheme', dwell time being reduced from 12 days to 48 hours for import and 2 days to 24 hrs. for export which shall provide for enhanced capacity.

Calcutta

28.00

19.85%

12%

28.00

34.98

Construction of Integrated Cargo Terminal Ph-I to be completed in 2003. Capacity on Completion -33000 tonnes .

Demand on completion -38660 tonnes. Phase-II will be taken subsequently during 10th plan period .

Chennai

59.53

57.40

12%

93.44

101.16

Construction of Integrated Cargo Terminal Ph-I to be completed in Oct'99.

Delhi

50.00

154.85

12%

219.50

272.90

Export Cargo Terminal Ph.-II to be completed in Aug'99. Import Cargo Terminal Ph.-II to be completed in 2000. By implementing 'Instant Cargo Scheme ', dwell time being reduced from 12 days to 48 hrs. for import and 2 days to 24 hrs. for export which shall provide for enhanced capacity.

Annexure – 7.1.23

**AIRPORTS AUTHORITY OF INDIA
ACTION PLAN FOR MISCELLANEOUS WORKS
AT INTERNATIONAL AIRPORTS**

NINTH PLAN

**AIRPORTS
DESCRIPTION
ACTION PLAN**

MUMBAI

Recarpetting of Secondary Runway
Construction of Parallel Taxi Track to main runway.
Construction of New Taxi Links.
Construction of Apron
Terminal Building
Cargo Complex
Fire detection and fighting measures.
Operational and facilitation equipment's
Bituminous overlay being provided for restoration of the pavement.
Under construction to increase the runway capacity.
Under construction for efficient movement of aircraft.
For parking additional 3 nos. B-737 aircraft and 3 Nos. A-320 aircraft.
Modification and face lifting works in hand.
New shed for storing heavy cargo being provided.
Facility being upgraded.
CCTV systems, Passenger Frisking/Baggage check equipment and other operational equipment's being upgraded/augmented.

THIRUVANANTHAPURAM

Extension of main runway.

Extension of apron.

Terminal Building.

The main runway has been extended by 350 m to permit B-747 aircraft operation.
The existing apron being modified to accommodate 7 parking bays including one for B-747 against 4 parking bays at present.
International Terminal being modified/extended to increase the capacity from 0.36 million pax to 0.42 million pax and augment passenger handling areas. The building is being provided with central airconditioning..
Domestic Building modified for increased passenger handling.

CALCUTTA

Resurfacing of main runway.
Reconstruction of portion of parallel taxi track.

Construction of Apron.

Terminal Building.

Bituminous overlay being provided for restoration of the pavement.
Disused portion of parallel taxi track being reconstructed to increase the runway capacity and efficient movement of aircraft.
4 new bays are being added. 6 old bays are being reconstructed/strengthened.
Cityside Canopies are proposed for both the terminals for protection of passengers/visitors from bad weather.

CHENNAI

Strengthening of secondary runway.

Construction of Apron.

Terminal Building.

The existing secondary runway being strengthened to handle B-737/A-320 type aircraft. The runway is also being improved to meet international standards.

6 new aircraft parking bays are being added.

The Central atrium of International Building is being covered to augment security hold space. Airside corridor with 2 additional aerobridges is being provided.

DELHI

Strengthening of secondary runway.

Strengthening of main runway.

Construction of Taxi Track.

Construction of Apron.

Terminal Building.

Bituminous overlay being provided for restoration.

Bituminous overlay being provided for restoration and strengthening to cater to heavier aircraft like MD-11.

A new taxi track connecting the runways is being built for increasing runway capacities.

7 new International bays have been added.

Modification and facelift of both terminals are in hand.