

APPENDIX FOR
AIRPORT/AVIATION PLANNING

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AIRPORT/AVIATION PLANNING

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App. Table 1-1 Air Passengers in Pakistan

Year	Domestic	International	Total
1972-73	507,127	368,694	875,821
1973-74	672,412	464,558	1,136,970
1974-75	881,457	631,764	1,513,221
1975-76	1,093,262	880,581	1,973,843
1976-77	1,268,674	1,191,579	2,460,253
1977-78	1,513,939	1,504,678	3,018,617
1978-79	1,555,905	1,814,029	3,369,934
1979-80	1,642,983	2,092,657	3,735,640
1980-81	1,702,283	2,356,004	4,058,287
1981-82	1,686,955	2,553,331	4,240,286
1982-83	1,840,698	2,708,873	4,549,571
1983-84	2,037,002	2,822,951	4,859,953
1984-85	2,212,957	2,838,422	5,051,379
1985-86	2,472,209	2,821,208	5,293,417

Source: Civil Aviation Statistics (CAA)

App. Table 1-2 Domestic Passengers by Major Airport

(Unit: thousand)

Year	Total	Karachi	Islamabad	Lahore	Peshawar	Multan	Quetta
1975-76	2,187	723	455	564	132	85	75
1976-77	2,537	847	528	655	155	98	89
1977-78	3,028	1,028	635	770	182	115	107
1978-79	3,113	1,114	612	759	190	125	100
1979-80	3,286	1,195	626	790	196	132	108
1980-81	3,405	1,293	665	805	172	122	120
1981-82	3,374	1,335	681	774	139	123	81
1982-83	3,681	1,368	706	819	225	136	100
1983-84	4,074	1,485	764	913	246	153	122
1984-85	4,426	1,618	825	1,010	260	184	141

Note: Number of Passengers both departure and arrival

Source: Civil Aviation Statistics (CAA)

App. Table 1-3 International Passengers by Airport

(Unit: thousand)

Year	Total	Karachi	Islamabad	Lahore	Peshawar	Gwadar
1975-76	881	767	104	8	-	2
1976-77	1,192	1,032	135	19	1	2
1977-78	1,505	1,290	176	30	4	2
1978-79	1,814	1,558	215	34	3	2
1979-80	2,093	1,839	204	40	6	2
1980-81	2,356	2,092	205	50	7	3
1981-82	2,553	2,282	209	52	7	3
1982-83	2,709	2,357	263	56	29	3
1983-84	2,823	2,183	316	82	39	3
1984-85	2,838	2,369	322	112	33	3

Source: Civil Aviation Statistics (CAA)

App. Table 1-4 International Passengers by Route (PIA)

Year	Middle East	Europe	Far East	India
1976-77	514,228	137,722	71,382	23,411
1977-78	642,788	146,562	83,912	51,897
1978-79	718,853	154,546	107,698	84,403
1979-80	770,401	163,815	132,958	108,365
1980-81	886,683	163,583	156,889	110,657
1981-82	988,790	168,795	167,225	128,287
1982-83	1,023,639	211,165	166,749	137,290
1983-84	992,813	218,877	162,421	152,830
1984-85	938,814	232,685	148,223	164,585
1985-86	958,053	245,769	137,956	183,226

Source: PIA Passenger Traffic Forecast

App. Table 1-5 Air Cargo in Pakistan

Year	Total	(Unit: thousand ton)	
		Domestic	International
1975-76	39.2	11.2	28.0
1976-77	46.0	14.9	31.1
1977-78	54.0	15.4	38.6
1978-79	66.5	17.4	49.1
1979-80	75.6	16.6	59.0
1980-81	88.7	19.0	69.7
1981-82	94.1	21.2	72.9
1982-83	111.8	22.9	88.9
1983-84	115.0	23.4	91.6
1984-85	128.6	28.3	100.3
1985-86	143.9	30.0	113.9

Source: Civil Aviation Statistics (CAA)

App. Table 1-6 Aircraft Movements

Year	Karachi		Islamabad		Lahore		Multan	
	(T)	(S)	(T)	(S)	(T)	(S)	(T)	(S)
1975-76	70,703	24,000	28,863	11,956	25,576	10,172	39,526	3,158
1976-77	70,657	26,495	30,861	13,326	39,158	11,290	37,726	3,608
1977-78	58,532	29,456	32,016	15,082	33,291	12,866	34,923	3,460
1978-79	60,753	34,125	29,514	12,712	44,092	11,112	42,338	3,910
1979-80	53,906	35,343	44,479	13,306	28,654	11,566	25,659	4,300
1980-81	54,291	35,754	52,020	12,538	36,933	10,920	27,739	3,550
1981-82	53,166	35,713	30,262	11,584	25,243	9,722	42,310	2,972
1982-83	48,603	32,692	24,580	11,910	22,471	10,865	40,022	3,804
1983-84	51,590	32,470	22,356	11,911	20,098	10,955	63,404	3,776
1984-85	41,345	33,190	35,021	12,327	19,099	12,463	25,059	4,143

Note: (T): Total Movement
(S): Scheduled Flight Movement

Source: Civil Aviation Statistics (CAA)

App. Table 1-7 Trend of Passenger Traffic (PIA)

(Unit: Million Passenger Km)

Year	Domestic	International	Total
1976-77	849	2,910	3,759
1977-78	1,026	3,388	4,414
1978-79	1,093	3,572	4,806
1979-80	1,142	4,038	5,180
1980-81	1,205	4,835	6,040
1981-82	1,245	5,001	6,246
1982-83	1,340	5,304	6,644
1983-84	1,464	5,289	6,753
1984-85	1,618	5,274	6,892
1985-86	1,792	5,271	7,063
1987-88*	2,216	5,447	7,663

Note: * Estimated

Source: Passenger Traffic Performance (PIA)

App. Table 1.8 Transition of Fleet Possession

Aircraft Type	Year				Original Estimation for 87-88 in Sixth Five Year Plan
	1978-79	1982-83	1986-87	1987-88**	
B747-200	2	4	8	8	4
DC10	4	4	-	-	5
A300-B4	-	4	7+1*	8	7
B737-300	-	-	5+1*	7	Twin Jet 12
B707	10	7	6	4	-
B720	6	3	-	-	-
F27	9	9	9	10	9
Twin Otter	-	-	2	2	2
Cassna	-	4	5	-	-
Total	31	35	44	39	39

Note: * shows aircraft on lease to other airlines
 ** Estimated

Source: PIA

App. Table 2-1 Annual Passengers and Daily Aircraft Movements
by Route (Domestic), 1985-86 O-D Table

(1)

	2-1	2-2	3-1	3-2	4	5-1	5-2	6	7	10	11	13	14	15
2-1 PISHAWAR		758 F:2				5026 F:7		2119 F:3	23203 F:12	13128 F:16				
2-2 SAIDU SHARIF	1173 F:2									8982 F:6				
3-1 KOHAT								65 D:2		401 D:2				
3-2 PARACHINAR														
4 MANSEHRA														
5-1 D. I. KHAN	3791 F:7									2043 F:7				
5-2 WANA														
6 BANNU	4025 F:3		86 D:2							1563 D:2				
7 CHITRAL	22120 F:12													
10 ISLAMABAD	13978 F:16	6423 F:6	288 D:2			1851 F:7		163 D:2				319 D:2	302 D:2	7845 F:7
11 MACHLA														
13 SARGODHA										499 D:2				
14 MIAHWALI										186 D:2				
15 FAISALABAD										7346 F:7				
17 LAHORE	12783 H,F:7									120787 A,H,F:45		355 D:2	447 D:2	
20 SIALKOT														
21 D. G. KHAN														
23 MULTAN	2201 F:4					1939 F:4				10718 H,F:21				711 F:5
24 SAHIWAL														
25 BAHAWALPUR										130 F:4				
26 BAHAWALNAGAR														
27 R. Y. KHAN														
28 MOGADAD														
29 SUKKUR														
31 NWABSHAH														
32 MDENJODARO														
33 HYDERABAD														
35 CHACHARD														
38 BAHN														
39 KARACHI	66823 A,M,B									242311 B,A,H:46				42269 H:7
40 QUETTA	535					369 F:3				14271 H,F:6				
41-1 ZHOB	847 F:7					1275 F:7				492 F:7				
41-2 LORALAI														
42-1 DALBANDIN														
42-2 TAFTAN														
42-3 NUSHIKI														
43-1 KHARAN														
43-2 KHUZDAR														
45-1 SUI														
45-2 SIBI														
46-1 PANJGUR														
46-2 TURBAT														
46-3 PASHI														
46-4 CHADAR														
46-5 JIWANI														
46-6 ORIHARA														
47-1 GILGIT										18559 F:15				
47-2 SKARDU										11238 H,F:13				
48-1 PATAWKOT														
48-2 MUZAFFARABAD														
TOTAL	128276	7181	374			10460		2347	23203	452634		674	749	50625

Note B: B747class N: Narrow body jet D: DHC-6class
A: A300class F: F27class

App. AA-6

	17	20	21	23	24	25	26	27	28	29	31	32	33	35
1-1 PESHAWAR	14342 N.F.7			1997 F.4										
2-2 SAIDU SHARIF														
3-1 KHAT														
3-2 PARACHINAR														
4 MANSEHRA														
5-1 D. I. KHAN				2501 F.4										
5-2 WANA														
6 BANNU														
7 CHITRAL														
10 ISLAMABAD	124452 A.N.F.45			10553 N.F.21		208 F.4								
11 MANGLA														
13 SARGODHA	339 D.2													
14 MAMWALI	461 D.2													
15 Faisalabad				662 F.5										
17 LAHORE				28502 N.F.8		442 F.4								
20 SIALKOT														
21 D. G. KHAN														
23 MULTAN	29993 N.F.8									322 F.		455 F.		
24 SAHIWAL														
25 RAHWALPUR	806 F.4													
26 RAHWALNAGAR														
27 R. Y. KHAN														
28 JACOBABAD											36 F.1			
29 SUKKUR				385 F.						11	31 F.1	81 F.4	247 F.1	
31 RAWALPIND									28 F.1	57 F.1		159 F.2		
32 JHENJHAR				648 F.						24 F.4	84 F.2		249 F.1	
33 HYDERABAD												293 F.1		
35 CHACHARO														
38 RADI												36 F.1		
39 FARACHI	351863 A.N.64			41896 N.12					303 F.2	8030 N.F.16	1006 F.3	6370 F.10	730 F.3	
40 QUITTA	28884 A.N.4									120 F.1				
41-1 ZHOB				1796 F.4										
41-2 LORALAI														
42-1 DALBANDIN														
42-2 TAFTAN														
42-3 KISHKI														
43-1 KHARAK														
43-2 YHUZDAR														
45-1 SU														
45-2 SIBI														
46-1 PANGUR														
46-2 TURBAT														
46-3 PASNI														
46-4 GWADAR														
46-5 JYAH														
46-6 ORHARA														
47-1 GILGIT														
47-2 SKARGU														
48-1 RAWALKOT														
48-2 PIRAZAFARABAD														
TOTAL	543140			89140		650			331	9964	1157	7392	1226	

	38	39	40	41-1	41-2	42-1	42-2	42-3	43-1	43-2	45-1	45-2	46-1	46-2
2-1 PESHAWAR		67467 A.N.8	567 F:3	597 F:7										
2-2 SAIDU SHARIF														
3-1 KOWAT														
3-2 PARACHINAR														
4 PUNJAB														
5-1 D. I. KHAN			662 F:3	1284 F:7										
5-2 WANA														
6 BAHU														
7 CHITRAL														
10 ISLAMABAD		204731 A.N.46	13827 N.F.6	351 F:7										
11 PANGLA														
13 SARGODHA														
14 MIANWALI														
15 FAISALABAD		36236 N.7												
17 LAHORE		326526 A.N.64	19912 A.N.4											
20 SIALKOT														
21 D. G. KHAN														
23 MULTAN		40733 N.12		1091 F:4										
24 SAHRAWAL														
25 BAHAWALPUR														
26 BAHAWALNAGAR														
27 R. Y. KHAN														
28 JACOBABAD		668 F:2												
29 SUKKUR		10145 N.F.16	120 F:1							941 F:2				
31 MAWASSJAH		1502 F:3												
32 POKHONDARO	40 F:1	7856 F:10												
33 HYDERABAD		627 F:3												
35 CHACHARO *														
38 MDIN														
39 KARACHI	127 F:1		33489 A.N.F.12							2801 F:3			5762 F:7	19699 F:22
40 QUETTA		36185 A.N.F.12		687 F:3								120 F:1	734 F:1	2662 F:2
41-1 ZHOB			1018 F:3											
41-2 LORALAI														
42-1 GALBANDIN														
42-2 TAFTAN														
42-3 NUSHIKI														
43-1 KHARAH														
43-2 KHLQZAR														
45-1 SUI		3015 F:3												
45-2 SIBI			120 F:1											
46-1 PANJGUR		5636 F:7	705 F:1											1584 F:6
46-2 YURBAT		22558 F:22	2923 F:2										1090 F:6	
46-3 PASHI		7097 N.F.7												1179 F:4
46-4 GWADAR		12960 F:19											375 F:1	3783 F:2
46-5 JIYAH		3003 F:2												269 F:1
46-6 ORIHARA														
47-1 GILGIT														
47-2 SKARDU														
48-1 RAWALKOT														
48-2 MUZAFFARABAD														
TOTAL	167	786945	73343	4010							3742	120	7961	29176

(4)

	46-3	46-4	46-5	46-6	47-1	47-2	48-1	48-2	TOTAL
2-1 PESHAWAR									129204
2-2 SAIDU SHARIF									10135
3-1 KDMAT									466
3-2 PARACHINAR									
4 MANSEHRA									
5-1 D. I. KHAN									10281
5-2 WANA									
6 BARKU									5674
7 CHITRAL									22120
10 ISLAMABAD					19778 F:15	12727 N.F:13			417796
11 MANGLA									
13 SARODHA									838
14 KHANWALI									647
15 FAISALABAD									44244
17 LAHORE									509754
20 SHALYOT									
21 D. G. KHAN									
23 MULLAN									88161
24 SAHRAWAL									
25 BAHAWALPUR									936
26 BAHAWALNAGAR									
27 R. Y. KHAN									
28 GADOBAD									704
29 SUKKUR									12150
31 HAWARSHAH									1746
32 FIDELDARO									8901
33 HYDERABAD									920
35 CHACHARO									
38 BADIN									36
39 KARACHI	7312 N.F:7	13308 F:19	1865 F:2						845964
40 QUETTA									76567
41-1 ZHOB									5428
41-2 LOBALAI									
42-1 GALBANDIN									
42-2 JAFFAN									
42-3 MUSHKI									
43-1 KHARAN									
43-2 PHUZGAR									
45-1 SUJ									4326
45-2 SIBI									120
46-1 PANJGUR		1100 F:1							9025
46-2 TURBAT	728 F:4	4589 F:2	317 F:1						32205
46-3 PASNI		864 F:2							9140
46-4 EWADAR	795 F:2		380 F:1						18293
46-5 JEWANI		93 F:1							3365
46-6 ORMSA									
47-1 CHIGIT						669 F:1			19278
47-2 SKARDU					658 F:1				11896
48-1 RAWALKOT									
48-2 MUZAFFARABAD									
TOTAL	8835	19954	2562		20436	13396			2300270

App. Table 2-2 Annual Passengers and Daily Aircraft Movements
by Route (Domestic), 1992-93 O-D Table

(1)

	2-1	2-2	3-1	3-2	4	5-1	5-2	6	7	10	11	13	14
2-1		2483				5091		3185	20028	47549			
PESHAWAR		F:2W				F:4W		F:2W	N:6W	F:5			
2-2	2405								1570	794			
SAIDU SHARIF	F:2W								F:1W	D:1W			
3-1													
KOHAT													
3-2													
PARACHINAR													
4										2005			
MANSEHRA										F:1W			
5-1	3343												
D. I. KHAN	F:2W												
5-2													
WANA										1336			
6	2859									D:2W			
BANNU	F:2W												
7	29893	1573											
CHITRAL	N:6W	F:1W											
10	49851	842				2087		489			5201		
ISLAMABAD	F:5	D:1W				F:1W		D:1W			F:4W		
11										5085			
MANGLA										F:4W			
13													
BHAGTANWARA													
14													
MIANWALI													
15										5591			
FAISALABAD										F:4W			
17	11100									99010	18109		
LAHORE	N:2W									W:1	F:2		
20													
SIALKOT													
21													
D. Q. KHAN													
23	2089					2202				10546			
MULTAN	F:1W					F:2W				F:1			
24													
SAHWAL													
25													
BAHAWALPUR													
26													
BAHAWALNAGAR													
27										805			
R. Y. KHAN										D:1W			
28													
JACOBABAD													
29													
SUKKUR													
31													
NAWAESHUJI													
32													
MOENKODARO													
33													
HYDERABAD													
35													
CHACHHO													
38													
BADIN													
39	94568	4977								324802			
KARACHI	W:1	F:3W								B:3			
40										10961			
QALITA										N:2W			
41-1	998					1255							
ZHOB	D:1W					D:2W							
41-2													
LORALAI													
42-1													
DALBANDON													
42-2													
TAFTAN													
42-3													
NUSHKI													
43-1													
KHARAN													
43-2											1014		
KHELZDAR											D:2W		
45-1													
SUI													
45-2													
SBI													
46-1													
PANJOUR													
46-2													
TURBAT													
46-3													
PASNI													
46-4													
GWADAR													
48-5													
JIWANI													
48-6													
OPPARA										26603			
47										N:5W			
OLGIT										12430			
48-1										F:1			
SKARDU										2231			
48-2										F:2W			
RAWALKOT										1275			
48-3										D:2W			
MUZAFFARABAD													
TOTAL	195604	9855				10835		3874	31396	582038	23310		

Note B: B747class W1: A300class W11: B767class W: Weekly aircraft movements
N: B737class F: F27class D: DHC-6class

	15	17	20	21	23	24	25	26	27	28	29	31	32
2-1 PESHAWAR		11313 N:2W			1800 E:1W								
2-2 SAIDU SHARIF													
3-1 KOHAT													
3-2 PAFKACHINAR													
4 MANSEHRA													
5-1 D. I. KHAN					2701 F:2W								
5-2 WANA													
6 BANNU													
7 CHITRAL													
10 ISLAMABAD	6767 F:4W	106970 W:2			11239 E:1				814 D:1W				
11 MANOLA		18107 F:2											
13 BHAGTANWARA													
14 MIANWALI													
15 FAISALABAD													
17 LAHORE					35025 F:3				7545 F:5W				
20 SIALKOT													
21 D. G. KHAN													
23 MULTAN		35194 F:4											
24 BAHWAL													
26 BAHAWALPUR													
28 BAHAWALNAGAR													
27 B. Y. KHAN		7484 F:5W											
28 JACOBABAD													
29 SIKKUR													
31 NAWABSHAH													
32 MOENUDARO													
33 HYDERABAD													
36 CHACHRO													
36 BADIN													
39 KARACHI	64174 N:2	527426 W:5			82324 N:2				15939 F:2		13365 N:3W	1058 E:1W	9454 F:1
40 QALITA		17805 N:4W											
41-1 ZHOBI					2829 F:2W								
41-2 LOTALAH													
42-1 DALBANDIN													
42-2 TAFTAN													
42-3 NUSHKI													
43-1 KHARAN													
43-2 KHUZDAR		928 D:1W											
45-1 SBI											1107 D:2W		
45-2 SBI													
46-1 PANJGUR													
46-2 TURBAT													
46-3 PASSIR													
46-4 GHADAR													
46-5 JIWANI													
46-6 OFMARA													
47 QALGIT													
48-1 SKARDU													
48-2 RAWALKOT													
48-3 MALAZFARABAD													
TOTAL	69941	724207			135718				24201		14472	1058	9454

	33	35	38	39	40	41-1	41-2	42-1	42-2	42-3	43-1	43-2	46-1
2-1 PESHAWAR				95346									
2-2 SAIDU SHARIF				5018 F:4W									
3-1 KOHAT													
3-2 PARACHINAR													
4 MANSEHRA													
5-1 D. I. KHAN					885 D:1W	2348 F:2W							
5-2 WANA													
6 BANNU													
7 CHITRAL													
10 ISLAMABAD				312273 B:3	12307 N:3W	692 D:1W						1033 D:2W	
11 MANGLA													
13 BHAGTANWARA													
14 MIANWALI													
15 FAISALABAD				54286 N:2									
17 LAHORE				533590 W:8	18826 N:4W							942 D:1W	
20 SIALKOT													
21 D. G. KHAN													
23 MULTAN				83827 N:2		2148 F:1W							
24 SAHRAWAL													
25 BAHAWALPUR													
26 BAHAWALNAGAR													
27 R. Y. KHAN				15888 F:2									
28 JACOBABAD													
29 SUKKUR				13727 N:3W									736 D:1W
31 NAWABSHAH				1145 F:1W									
32 MOENJODARO				9854 F:7W									
33 HYDERABAD													
35 CHACHRO													
38 BADIN													
39 KARACHI					52974 W:5W			5293 F:4W				61700 F:8	4438 F:3W
40 QLETTA				56468 W:6W		804 D:1W		13316 F:1				10833 F:1	
41-1 ZHOK					935 D:1W								
41-2 LORALAI													
42-1 DALBANDIN				5219 F:4W	13463 F:1								
42-2 TAFTAN													
42-3 MUSHKI													
43-1 KHARAN													
43-2 KHUZDAR				61450 F:6	11053 F:1								
46-1 SUI				4172 F:3W									
46-2 SBI													
46-1 PANJOUR				13463 F:1									
46-2 TURBAT				49712 N:1	2023 F:1W								
46-3 PASH				14499 F:1									
46-4 QWADAR				21748 F:2	885 D:1W								
46-5 JIWAHI				2071 F:1W									
46-6 ORHARA				2071 F:1W									
47 GILGIT													
48-1 SKARDU													
48-2 PAHALKOT													
48-3 MUZAFFARABAD													
TOTAL				1355827	113130	5990		18609				74608	5173

	46-2	46-1	46-2	46-3	46-4	46-5	46-6	47	48-1	48-2	48-3	TOTAL
2-1 PESHAWAR												198573
2-2 BAIDU SHARIF												9787
3-1 KOKAT												
3-2 PARACHINAR												
4 MANSEHRA												
5-1 D. I. KHAN												11062
5-2 WANA												
6 BARRU												4198
7 CHITRAL												31486
10 ISLAMABAD								26742 N6W	12598 F:1	2262 F:2W	1292 D:2W	561469
11 MANGLA												23172
13 BHAGTANWARA												
14 MIANWALI												
16 FAISALABAD												69877
17 LAHORE												724149
20 SIKKOT												
21 D. G. KHAN												
23 MULLYAN												136004
24 SAHRAWAL												
26 BAHAWALPUR												
26 BAHAWALNAGAR												
27 R. Y. KHAN												24158
28 JACOBABAD												
29 SUKKUR												14462
31 NAWABSHAH												1145
32 MOENJODARO												9654
33 HYDERABAD												
36 CHACHRO												
38 BADIN												
39 KARACHI	10441 F:1	49626 N:1	14474 F:1	21712 F:2	2068 F:1W	2068 F:1W						1365781
40 QUITTA		2004 F:1W		877 D:1W								113088
41-1 ZHOB												5515
41-2 LORALU												
42-1 DALBANDON												18682
42-2 TAFTAN												
42-3 MUSHKI												
43-1 KHARAN												
43-2 KHURDAH												74445
46-1 SUI												6279
46-2 SBI												
46-1 PAKOUR			2630 F:2W	738 D:1W	1107 D:2W							17838
46-2 TURBAT		2630 F:2W		2730 F:2W	4098 F:3W							61093
46-3 PASNI		738 D:1W	2729 F:2W		1192 D:2W							19158
46-4 GWADAR		1107 D:2W	4098 F:3W	1192 D:2W								29027
46-5 JIWANI												2071
46-6 ORMARIA												2071
47 GILGIT									1196 D:2W			27799
48-1 SKARPOU								1233 D:2W				13663
48-2 RAWAKOT												2231
48-3 MUZAFFARABAD												1276
TOTAL	17816	60984	19134	28986	2068	2068	14975	11767	10175	6977		3543760

App. Table 2-3 Annual Passengers and Daily Aircraft Movements
by Route (Domestic), 2005-06 O-D Table

(1)

	2-1	2-2	3-1	3-2	4	5-1	5-2	6	7	10	11	13	14
2-1 PESHAWAR		4164 F:3W			54597 F:5	7631 F:5W	1140 D:2W	5457 F:4W	59785 N:2	22420 F:2			
2-2 SAIDU SHARIF	4057 F:3W								3147 F:2W	1180 D:2W			
3-1 KOHAT													
3-2 PARACHINAR													
4 MANSEHRA	56743 F:5									98623 F:10			
5-1 D. I. KHAN	5666 F:4W									3034 F:2W			
5-2 WANA	647 D:1W									2102 F:1W			
6 BAKMU	4993 F:3W									900 D:1W			
7 CHITRAL	59888 N:2	3152 F:2W											
10 ISLAMABAD	24023 F:2	1264 D:2W			100840 F:10	3239 F:2W		1118 D:2W	930 D:1W		8422 F:6W		
11 MANGLA										8152 F:6W			
13 BHACTARWARA													
14 MIANWALI													
15 FAISALABAD										5619 F:4W			
17 LAHORE	18579 N:5W	978 D:2W							824 D:1W	144150 W:1:2	32120 F:3		
20 SIALKOT										7373 F:5W	32797 F:3		
21 D. G. KHAN										1032 D:2W			
23 MULTAN	2947 F:2W					3144 F:2W				12166 F:1			
24 SAHIVAL													
25 BAHAWALPUR													
26 BAHAWALNAGAR										1163 D:2W			
27 R. Y. KHAN										1057 D:2W			
28 JAKOBABAD													
29 SUKKUR													
31 NAWARSHAH													
32 FORT JOINDAR													
33 HYDERABAD													
35 CHACHRO										1039 D:2W			
38 BADIN													
39 KARACHI	224700 W:1:3	11826 F:1								677775 B:6			
40 QUETTA	717 D:1W									15314 N:3W			
41-1 ZHOB	1963 F:1W					3594 F:3W				1694 F:1W			
41-2 LORALAI	881 D:1W					1614 F:1W				761 D:1W			
42-1 DALBARDIN													
42-2 TAFTAN										1168 D:2W			
42-3 NUSKHI													
43-1 KHARAN													
43-2 KHUZDAR										2089 F:1W	1018 D:2W		
45-1 SUI													
45-2 SIBI													
46-1 PAHJUR													
46-2 TURBAT													
46-3 PASHI													
46-4 GWADAR													
46-5 JIWAHI													
46-6 ORPARA													
47 GILGIT										51874 F:5			
48-1 SHARDU										23619 F:2			
48-2 PRAWALKOT										4275 F:3W			
48-3 MUZAFFARABAD										2443 F:2W			
TOTAL	406004	21364			155437	19222	1140	6575	64686	1091220	74357		

Note B: B747class W1: A300class W11: B767class
R: B737class F: F27class D: DHC-6class W: Weekly aircraft movements

	15	17	20	21	23	24	25	26	27	28	29	31	32
2-1 PESHAWAR		18948 N:4W			2540 F:2W								
2-2 SAIDU SHARIF		997 D:2W											
3-1 KOHAT													
3-2 PARACHINAR													
4 MANSENRA													
5-1 D. I. KHAN					3796 F:3W								
5-2 WANA													
6 BANNU													
7 CHITRAL		800 D:1W											
10 ISLAMABAD	5850 F:4W	155873 W:2	7630 F:5W	1044 D:2W	13145 F:1			1182 D:2W	1068 D:2W				
11 MANGLA		32194 F:3	52748 F:3										
13 BINAGTANWARA													
14 MIANWALI													
15 FAISALABAD													
17 LAHORE			25170 F:3	7212 F:5W	41947 F:4	155430 F:16		19450 F:2	9995 F:1				
20 SIALKOT		25256 F:3											
21 D. G. KHAN		7142 F:5W											
23 MURTAZ		42250 F:4											
24 SAHIVAL		155611 F:16											
25 BAHAWALPUR								701 D:1W					
26 BAHAWALNAGAR		19339 F:2					723 D:1W						
27 R. Y. KHAN		9900 F:1											
28 JACOBABAD													
29 SUKKUR													
31 MIYANSHAH													
32 MCHADDARO													
33 HYDERABAD													
35 CHAGHRO		951 D:1W											
38 BAHIN													
39 KARACHI	88414 N:2	1234534 D:11		20786 F:2	144282 N:4				30011 F:3		26396 F:3	1789 F:1W	15529 F:2
40 QUETTA		27765 N:5W											
41-1 ZHOB		661 D:1W			4303 F:3W								
41-2 LORALAI					1933 F:1W								
42-1 DALBANDIN													
42-2 TARTAN		1085 D:2W											
42-3 MUSKI													
43-1 KHARAN													
43-2 KHUZDAR		1998 F:1W	653 D:1W					727 D:1W	654 D:1W				
45-1 SUJI											1216 D:2W		
45-2 SIBI													
46-1 PANJGUR													
46-2 TURBAT													
46-3 PASHI													
46-4 GWALUR													
46-5 JHYAHI													
46-6 ORPORA													
47 GILGIT		947 D:1W											
48-1 SKARDU		701 D:1W											
48-2 RAWALKOT													
48-3 MIZAFFARABAD													
TOTAL	94252	1736854	66201	29042	211948	155430	723	22060	41728		27612	1789	15529

	33	35	39	39	40	41-1	41-2	42-1	42-2	42-3	43-1	43-2	45-1
2-1 PESHAWAR				226101 W:3	768 D:1W	1761 F:1W	792 D:1W						
2-2 SAIDUSHARIF				11900 F:1									
3-1 KOHAT													
3-2 PARACHINAR													
4 PUNJAB													
5-1 D. I. KHAN					1069 D:2W	4543 F:3W	2041 F:1W						
5-2 WANA						679 D:1W							
6 BAHAWALPUR													
7 CHITRAL													
10 ISLAMPUR		1057 D:2W		656151 B:6	17428 N:5W	1818 D:1W	816 D:1W		1206 D:2W			2135 F:1W	
11 PUNJAB												1035 D:2W	
13 BHAGTANWARA													
14 MIANWALI													
15 FAISALABAD				88565 N:2									
17 LAHORE		961 D:1W		1245557 B:11	29545 N:6W	720 D:1W			1115 D:2W			2026 F:1W	
20 SIALKOT												666 D:1W	
21 D. G. KHAN				20834 F:2									
23 MULTAN				146787 N:4		3489 F:2W	1568 F:1W						
24 SAHRAWAL													
25 BAHAWALPUR													
26 BAHAWALNAGAR												732 D:1W	
27 R. Y. KHAN				30069 F:3								659 D:1W	
28 JACOBABAD													
29 SUKKUR				26896 F:3									784 D:1W
31 HAWASSINAH				1915 F:1W									
32 MOENJODARO				15764 F:2									
33 HYDERABAD		1159 F:1W		662 D:1W									
35 CHACHRO	1153 F:1W			19186 F:2								651 D:1W	
36 BADIN													
39 FARUCHI		19168 F:2			114844 W:2			4249 F:3W	11733 F:1	4249 F:3W	28884 F:3	150745 F:15	8243 F:6W
40 QUETTA				121555 W:2		2123 F:1W	953 D:1W	7172 F:5W	19808 F:2	7172 F:5W	5527 F:4W	15799 F:2	
41-1 ZHOB					2495 F:2W								
41-2 LORALAI					1121 D:2W								
42-1 DALBANDIN				4174 F:3W	7291 F:5W								
42-2 TAFTAN				11527 F:1	20137 F:2							717 D:1W	
42-3 NUSKHI				4174 F:3W	7291 F:5W								
43-1 KHARAH				28772 F:3	5632 F:4W							890 D:1W	
43-2 KHUZDAR				150122 F:15	16504 F:2				723 D:1W		890 D:1W		
45-1 SUI				7898 F:6W									
45-2 SIBI													
46-1 PANJOUR				40787 F:4	1129 D:2W								
46-2 TURBAT				150600 N:4	4166 F:3W								
46-3 PASNI				43925 F:4	1215 D:2W								
46-4 QYADAR				65887 F:7	1823 F:1W								
46-5 JHWANI				6275 F:4W									
46-6 ORHAPA				6275 F:4W									
47 GILGIT												658 D:1W	
48-1 SFAROU													
48-2 RAWALKOT													
48-3 MUZAFFARABAD													
TOTAL	1153	22345		3132358	232258	15133	6170	11421	34585	11421	35301	176709	9027

	45-2	46-1	46-2	46-3	46-4	46-5	46-6	47	48-1	48-2	48-3	TOTAL
2-1 PESHAWAR												406104
2-2 SAIDU SHARIF												21281
3-1 KOHAT												
3-2 PARACHINAR												
4 MAMBERHA												155366
5-1 D. I. KHAN												20151
5-2 WANA												1526
6 BAHNV												7095
7 CHITRAL												64740
10 ISLAMABAD								52153 R:1	24197 F:2	4343 F:3W	2482 F:2W	1089400
11 MANGLA												74129
13 BHAGTANWARA												
14 MIANWALI												
15 FAISALABAD												94185
17 LAHORE								867 D:1W				1756646
20 SIALKOT												66094
21 D. G. KHAN												29806
23 MULTAN												212351
24 SARIKAL												155511
25 BAHAWALPUR												701
26 BAHAWALNAGAR												21957
27 R. Y. KHAN												41684
28 ROOBAHAD												
29 SUKKUR												27662
31 HAWARDSHAH												1915
32 FATEHJANMO												15764
33 HYDERABAD												1821
35 CHACHKO												22980
38 BADIN												
39 KAPACRI	40777 F:4	150561 R:4	43913 F:4	65870 F:7	6273 F:4W	6273 F:4W						3131820
40 QUETTA	1110 D:2W	4097 F:3W	1195 D:2W	1793 F:1W								232098
41-1 ZHOB												14710
41-2 LOFALAI												6310
42-1 DALBANDIR												11465
42-2 TAFTAN												11465
42-3 NUSHKI												35294
43-1 KHARAN												175178
43-2 KHUZDAR												9114
45-1 SUI												
45-2 SIBI												
46-1 PANJGUR		7059 F:5W	2059 F:1W	5088 F:2W								54122
46-2 TURBAT		7059 F:5W	7614 F:5W	11426 F:1	1088 D:2W	1088 D:2W						183041
46-3 PASHI		2059 F:1W	7614 F:5W	3326 F:2W								58139
46-4 GWADAR		5088 F:2W	11421 F:1	3326 F:2W								85545
46-5 JIWAMI			1088 D:2W									7363
46-6 ORHARA			1088 D:2W									7363
47 GILGIT									3344 F:2W			56823
48-1 SKAPDU								3438 F:2W				27958
48-2 BAWALKOT												4275
48-3 MUZAFFARABAD												2443
TOTAL	54093	182928	58107	85503	7361	7361	56458	27541	4343	2482		8417251

App. Table 2-4 Annual Passengers and Daily Aircraft Movements
by Route (International), (1992-93)

(TOTAL)					
Route	Airport				TOTAL
	PESHAWAR	ISLAMABAD	LAHORE	KARACHI	
	41,640	174,990	153,120	1,817,620	2,187,370
MIDDLE EAST AND AFRICA	B WI 4W WII N	B 2W WI 12W WII N 8W	B WI 12W WII N 8W	B 6 WI 14 WII 10W N 8	
		247,130		355,630	602,760
EUROPE		B 8W WI 12W WII N 4W		B 10W WI 18W WII N 8W	
		8,460		252,310	260,770
FAR EAST		B WI 2W WII N		B 4W WI 16W WII N 8W	
			60,210	369,890	430,100
REGIONAL			B WI 4W WII N 2W	B 6W WI 18W WII N 2+12W	
	41,640	430,580	213,330	2,795,450	3,481,000
TOTAL	0.6	6.9	3.7	45.7	
	B WI 4W WII N	B 10W WI 26W WII N 12W	B WI 16W WII N 10W	B 6+20W WI 14+52W WII 10W N 10+28W	

NOTE B: B747 Class, WI : WIDE I
WII: WIDE II, N : NARROW BODY JET Class

(CONT'D)

(PIA)		Airport				
Route	PESHAWAR	ISLAMABAD	LAHORE	KARACHI	TOTAL	
MIDDLE EAST AND AFRICA	41,640	83,280	72,870	843,210	1,041,000	
	B	B	B	B	2	
	WI 4W	WI 8W	WI 6W	WI	6	
	WII	WII	WII	WII	4W	
	N	N 4W	N 4W	N	4	
		134,890		194,110	329,000	
EUROPE		B 4W		B 6W		
		WI 6W		WI 10W		
		WII		WII		
		N 2W		N 4W		
		8,460		132,540	141,000	
FAR EAST		B		B 2W		
		WI 2W		WI 8W		
		WII		WII		
		N		N 4W		
			36,260	222,740	259,000	
REGIONAL			B 2W	B 4W		
			WI 2W	WI 10W		
			WII	WII		
			N 2W	N 2		
	41,640	226,630	109,130	1,392,600	1,770,000	
	0.6	3.7	2.0	21.4		
TOTAL						
	B	B 4W	B	B 2+12W		
	WI 4W	WI 16W	WI 8W	WI 6+28W		
	WII	WII	WII	WII 4W		
	N	N 6W	N 6W	N 6+8W		

NOTE B: B747 Class, WI : WIDE I
WII: WIDE II, N : NARROW BODY JET Class
(CONT'D)

(FOREIGN CARRIER)

Route	Airport	PESHAWAR	ISLAMABAD	LAHORE	KARACHI	TOTAL
MIDDLE EAST AND AFRICA			91,710	80,250	974,410	1,146,370
		B	2W	B	B	4
		WI	4W	WI	WI	8
		WII		WII	WII	6W
		N	4W	N	N	4
		112,240			161,520	273,760
EUROPE		B	4W		B	4W
		WI	6W		WI	8W
		WII			WII	
		N	2W		N	4W
						119,770
FAR EAST					B	2W
					WI	8W
					WII	
					N	4W
				23,950	147,150	
REGIONAL				B	B	2W
				WI	WI	8W
				WII	WII	
				N	N	12W
			203,950	104,200	1,402,850	
TOTAL		3.1		1.7	24.3	
		B	6W	B	B	4+8W
		WI	10W	WI	WI	8+24W
		WII		WII	WII	6W
		N	6W	N	N	4+20W

NOTE B: B747 Class, WI : WIDE I
WII: WIDE II, N : NARROW BODY JET Class

Source: JICA Study Team

App. Table 2-5 Annual Passengers and Daily Aircraft Movements
by Route (International), (2005-06)

(TOTAL)		Airport				
Route	PESHAWAR	ISLAMABAD	LAHORE	KARACHI	TOTAL	
MIDDLE EAST AND AFRICA	54,960	252,500	220,930	2,627,810	3,156,200	
	B	B 6W	B 6W	B 10		
	WI 4W	WI 12W	WI 10W	WI 18		
	WII	WII	WII	WII 2+12W		
	N 2W	N 10W	N 8W	N 8		
		393,440		566,160	959,600	
EUROPE		B 14W		B 22W		
		WI 20W		WI 2+12W		
		WII 2W		WII 4W		
		N		N		
		10,440		349,760	360,200	
FAR EAST		B		B 8W		
		WI 2W		WI 22W		
		WII		WII 4W		
		N		N		
			101,920	626,080	728,000	
REGIONAL			B	B 12W		
			WI 6W	WI 2+10W		
			WII	WII 8W		
			N 6W	N 2+12W		
	54,960	656,380	322,850	4,169,810	5,204,000	
	0.9	9.4	5.1	62.0		
TOTAL	B	B 20W	B 6W	B 10+42W		
	WI 4W	WI 34W	WI 16W	WI 22+44W		
	WII	WII 2W	WII	WII 2+28W		
	N 2W	N 10W	N 14W	N 10+12W		

NOTE B: B747 Class, WI : WIDE I
WII: WIDE II, N : NARROW BODY JET Class

(CONT'D)

(PIA)						
Route	Airport	PESHAWAR	ISLAMABAD	LAHORE	KARACHI	TOTAL
MIDDLE EAST AND AFRICA		54,960	109,920	96,180	1,112,940	1,374,000
		B	B 2W	B 2W	B 4	
		WI 4W	WI 6W	WI 4W	WI 8	
		WII	WII	WII	WII 12W	
		N 2W	N 4W	N 4W	N 4	
			218,940		315,060	534,000
EUROPE			B 8W		B 12W	
			WI 10W		WI 2	
			WII 2W		WII 2W	
			N		N	
			10,440		163,560	174,000
FAR EAST			B		B 4W	
			WI 2W		WI 10W	
			WII		WII 2W	
			N		N	
				64,680	397,320	462,000
REGIONAL				B	B 8W	
				WI 4W	WI 2	
				WII	WII 6W	
				N 4W	N 2	
		54,960	339,300	160,860	1,988,880	2,544,000
TOTAL		0.9	4.9	2.6	30.0	
		B	B 10W	B 2W	B 4+24W	
		WI 4W	WI 18W	WI 8W	WI 12+10W	
		WII	WII 2W	WII	WII 22W	
		N 2W	N 4W	N 8W	N 6	

NOTE B: B747 Class, WI : WIDE I
WII: WIDE II, N : NARROW BODY JET Class

(CONT'D)

(FOREIGN CARRIER)

Route	Airport	PESHAWAR	ISLAMABAD	LAHORE	KARACHI	TOTAL
MIDDLE EAST AND AFRICA			142,580	124,750	1,514,870	1,782,200
			B 4W	B 4W	B 6	
			WI 6W	WI 6W	WI 10	
			WII	WII	WII 2	
			N 6W	N 4W	N 4	
EUROPE			174,500		251,100	425,600
			B 6W		B 10W	
			WI 10W		WI 12W	
			WII		WII 2W	
			N		N	
FAR EAST					186,200	186,200
					B 4W	
					WI 12W	
					WII 2W	
					N	
REGIONAL				37,240	228,760	266,000
				B	B 4W	
				WI 2W	WI 10W	
				WII	WII 2W	
				N 2W	N 12W	
TOTAL			317,080	161,990	2,180,930	2,660,000
			4.6	2.6	32.0	
			B 10W	B 4W	B 6+18W	
			WI 16W	WI 8W	WI 10+34W	
			WII	WII	WII 2+6W	
		N 6W	N 6W	N 4+12W		

NOTE B: B747 Class, WI : WIDE I
WII: WIDE II, N : NARROW BODY JET Class

Source: JICA Study Team

App. Table 2-6 Air Traffic Volume (Domestic), 1992-93

Airport	Passengers		Annual Cargo (ton)	Daily Aircraft Movements
	Annual	Peak Hour		
PESHAWAR	393,180	280	1,828	16.7
SAIDU SHARIF	19,640	60	95	2.1
KOHAT	-	-	-	-
PARACHINAR	-	-	-	-
MANSEHRA	-	-	-	-
D. I. KHAN	21,700	60	42	2.4
WANA	-	-	-	-
BANNU	8,070	60	1	1.0
CHITRAL	62,860	190	28	2.0
ISLAMABAD	1,103,500	620	10,812	31.7
MANGLA	46,480	70	178	5.1
BHAGTANWALA	-	-	-	-
MIANWALI	-	-	-	-
FAISALABAD	119,820	170	130	5.1
LAHORE	1,448,360	810	20,823	33.4
SIALKOT	-	-	-	-
D.G. KHAN	-	-	-	-
MULTAN	271,720	210	465	14.3
SAHIWAL	-	-	-	-
BAHAWALPUR	-	-	-	-
BAHAWALNAGAR	-	-	-	-
R. Y. KHAN	48,360	60	706	5.7
JACOBABAD	-	-	-	-
SUKKUR	28,930	90	340	1.3
NAWABSHAH	2,200	30	2	0.3
MOENJODARO	19,110	60	39	2.0
HYDERABAD	-	-	-	-
CHACHRO	-	-	-	-
BADIN	-	-	-	-

(Cont'd)

Airport	Passengers		Annual Cargo (ton)	Daily Aircraft Movements
	Annual	Peak Hour		
KARACHI	2,711,410	1,300	35,213	66.4
QUETTA	226,220	230	872	8.4
ZHOB	11,510	60	2	1.6
LARALAI	-	-	-	-
DALBANDIN	37,290	70	49	3.4
TAFTAN	-	-	-	-
NUSHKI	-	-	-	-
KHARAN	-	-	-	-
KHUZDAR	148,950	110	282	14.9
SUI	10,450	60	3	1.3
SIBI	-	-	-	-
PANJGUR	35,650	70	78	3.4
TURBAT	122,080	200	296	4.3
PASNI	38,290	70	84	3.4
GWADAR	58,010	70	133	6.3
JIWANI	4,140	60	12	0.3
ORMARA	4,140	60	12	0.3
GILGIT	55,770	130	11	2.6
SKARDU	27,460	70	5	2.6
RAWALKOT	4,490	60	1	0.6
MUZAFFARABAD	2,570	30	-	0.6
Total	7,087,500		72,542	

Source: JICA Study Team

App. Table 2-7 Air Traffic Volume (Domestic), 2005-06

Airport	Passengers		Annual Cargo (ton)	Daily Aircraft Movements
	Annual	Peak Hour		
PESHAWAR	812,110	460	3,809	31.0
SAIDU SHARIF	42,670	70	199	4.6
KOHAT	-	-	-	-
PARACHINAR	-	-	-	-
MANSEHRA	310,800	180	1,117	31.0
D.I. KHAN	39,370	70	26	4.0
WANA	2,670	30	1	0.6
BANNU	13,670	60	1	1.4
CHITRAL	129,430	100	69	5.2
ISLAMABAD	2,180,620	1,050	21,163	68.2
MANGLA	148,490	110	456	14.3
BHAGTANWALA	-	-	-	-
MIANWALI	-	-	-	-
FAISALABAD	188,440	270	184	5.1
LAHORE	3,473,500	1,600	47,087	90.7
SIALKOT	132,300	100	414	13.7
D.G. KHAN	58,050	70	111	6.0
MULTAN	424,300	280	690	20.3
SAHIWAL	310,940	180	1,327	32.0
BAHAWALPUR	1,420	30	0	0.3
BAHAWALNAGAR	44,020	60	104	5.1
R.Y. KHAN	83,410	80	1,152	8.9
JACOBABAD	-	-	-	-
SUKKUR	55,290	70	619	6.4
NAWABSHAH	3,700	60	2	0.3
MOENJODARO	31,290	60	56	4.0
HYDERABAD	2,970	30	1	0.7
CHACHRO	45,330	100	99	2.9
BADIN	-	-	-	-

(Cont'd)

Airport	Passengers		Annual Cargo (ton)	Daily Aircraft Movements
	Annual	Peak Hour		
KARACHI	6,264,180	2,720	76,802	164.1
QUETTA	464,360	280	1,770	25.6
ZHOB	29,840	60	35	3.0
LORALAI	12,480	60	5	1.6
DALBANDIN	22,890	60	34	2.3
TAFTAN	69,220	80	106	7.4
NUSHKI	22,890	60	34	2.3
KHARAN	70,600	60	147	10.9
KHUZDAR	351,890	190	788	36.9
SUI	18,140	60	4	2.1
SIBI	-	-	-	-
PANJGUR	108,220	100	288	10.9
TURBAT	365,970	280	1,067	14.8
PASNI	116,250	100	310	10.9
GWADAR	171,050	120	466	17.4
JIWANI	14,720	60	44	1.7
ORMARA	14,720	60	44	1.7
GILGIT	113,280	100	40	11.0
SKARDU	55,500	120	3	3.0
RAWALKOT	8,620	60	-	0.9
MUZAFFARABAD	4,930	60	-	0.6
Total	16,834,540		160,702	

Study Team

App. Table 2-8 Air Traffic Volume (International), 1992-93

Airport	Passengers		Annual Cargo (ton)	Daily Aircraft Movements
	Annual	Peak Hour		
PESHAWAR	41,640	140	1,040	0.6
ISLAMABAD	430,580	320	10,380	6.9
LAHORE	213,330	210	1,900	3.7
KARACHI	2,198,690	1,160	159,680	45.7
	596,760*	310		
Total	3,481,000		173,000	

Source: JICA Study Team

* Transit Passengers

App. Table 2-9 Air Traffic Volume (International), 2005-06

Airport	Passengers		Annual Cargo (ton)	Daily Aircraft Movements
	Annual	Peak Hour		
PESHAWAR	54,960	140	1,920	0.9
ISLAMABAD	656,380	430	19,200	9.4
LAHORE	322,850	320	3,520	5.1
KARACHI	3,279,650	1,690	295,360	62.0
	890,160*	460		
Total	5,204,000		320,000	

Source: JICA Study Team

* Transit Passengers

App. Table 2-10 Required Runway Length 1992-93

Airport	Required Maximum Operating Aircraft	Required Runway Length (m)	Remarks
PESHAWAR	A300	2,743	existing
SAIDU SHARIF	F27	1,829	"
KOHAT	-	2,469	"
PARACHINAR	-	1,219	"
MANSEHRA	-	-	
D.I. KHAN	F27	1,524	existing
WANA	-	-	
BANNU	F27	1,829	existing
CHITRAL	B737	2,000	extension
ISLAMABAD	B747	3,353	On Going Project from 6th to 7th
MANGLA	F27	1,524	existing
BHAGTANWALA	-	1,920	"
MIANWALI	-	3,048	"
FAISALABAD	B737	2,743	"
LAHORE	A300	3,353	Completion in 6th
SIALKOT	-	-	
D.G. KHAN	-	-	
MULTAN	B737	2,743	existing
SAHIWAL	-	-	
BAHAWALPUR	F27	1,524	existing
BAHAWALNAGAR	-	-	
R.Y. KHAN	F27	1,524	existing
JACOBABAD	F27	1,524	"
SUKKUR	B737	2,743	"
NAWABSHAH	F27	2,743	"
MOENJODARO	F27	1,981	existing
HYDERABAD	-	2,133	"
CHACHRO	-	-	
BADIN	-	1,524	existing

(Cont'd)

Airport	Required Maximum Operating Aircraft	Required Runway Length (m)	Remarks
KARACHI	B747	3,200 3,200	existing extension
QUETTA	A300	3,658	existing
ZHOB	F27	1,829	"
LORALAI	-	-	
DALBANDIN	F27	1,524	existing
TAFTAN	-	-	
NUSHKI	-	-	
KHARAN	-	-	
KHUZDAR	F27	1,829	existing
SUI	F27	1,524	"
SIBI	-	1,829	"
PANJGUR	F27	1,524	"
TURBAT	B737	2,000	extension
PASNI	F27	2,743	"
GWADAR	F27	1,524	"
JIWANI	F27	1,737	"
ORMARA	F27	1,524	"
GILGIT	B737	2,000	extension
SKARDU	F27	1,981	existing
RAWALKOT	DHC-6	914	"
MUZAFFARABAD	DHC-6	914	"

Source: JICA Study Team

App. Table 2-11 Required Runway Length 2005-06

Airport	Required Maximum Operating Aircraft	Required Runway Length (m)	Remarks
PESHAWAR	A300	2,743	existing
SAIDU SHARIF	F27	1,829	"
KOHAT	-	2,469	"
PARACHINAR	-	1,219	"
MANSEHRA	F27	1,524	new airport
D. I. KHAN	F27	1,524	existing
WANA	DHC-6	914	new airport
BANNU	F27	1,829	existing
CHITRAL	B737	2,000	"
ISLAMABAD	B747	3,500	new airport
MANGLA	F27	1,524	existing
BHAGTANWALA	-	1,920	"
MIANWALI	-	3,048	"
FAISALABAD	B737	2,743	"
LAHORE	B747	3,353	completion in 6th Plan
SIALKOT	F27	1,524	new airport
D. G. KHAN	F27	1,524	"
MULTAN	B737	2,743	existing
SAHIWAL	F27	1,524	new airport
BAHAWALPUR	F27	1,524	existing
BAHAWALNAGAR	F27	1,524	new airport
R. Y. KHAN	F27	1,524	existing
JACOBABAD	F27	1,524	"
SUKKUR	B737	2,743	"
NAWABSHAH	F27	2,743	"
MOENJODARO	F27	1,981	existing
HYDERABAD	B737	2,133	"
CHACHRO	F27	1,524	new airport
BADIN	-	1,524	existing

(Cont'd)

Airport	Required Maximum Operating Aircraft	Required Runway Length (m)	Remarks
KARACHI	B747	3,200	existing
		3,200	extension
QUETTA	A300	3,658	existing
ZHOB	F27	1,829	"
LORALAI	F27	1,524	new airport
DALBANDIN	F27	1,524	existing
TAFTAN	F27	1,524	new airport
NUSHKI	F27	1,524	"
KHARAN	F27	1,524	"
KHUZDAR	F27	1,829	existing
SUI	F27	1,524	"
SIBI	-	1,829	"
PANJGUR	F27	1,524	"
TURBAT	B737	2,000	"
PASNI	F27	2,743	"
GWADAR	F27	1,524	"
JIWANI	F27	1,737	"
ORMARA	F27	1,524	"
GILGIT	B737	2,000	"
SKARDU	F27	1,981	"
RAWALKOT	DHC-6	914	"
MUZAFFARABAD	DHC-6	914	"

Source: JICA Study Team

App. Table 2-12 Terminal Facility Requirements (1992-93)

Airport		Apron (No. of Spot)				Passenger	Car	Cargo	Remarks
		L	M	S	F	Terminal Building (m ²)	Parking (m ²)	Building (m ²)	
PESHAWAR	Dom.	2	-	-	2	2,800	5,600	160	
	Int'l	2	-	-	-	3,500	2,800	240	
SAIDU SHARIF		-	-	-	2	600	1,200	-	
KOHAT		-	-	-	-	-	-	-	
PARACHINAR		-	-	-	-	-	-	-	
MANSEHRA		-	-	-	-	-	-	-	
D. I. KHAN		-	-	-	2	600	1,200	-	
WANA		-	-	-	-	-	-	-	
BANNU		-	-	-	2	600	1,200	-	
CHITRAL		-	-	-	3	1,900	3,800	-	
ISLAMABAD	Dom.	3	-	-	2	9,300	12,400	970	
	Int'l	3	-	-	-	8,000	6,400	2,390	
MANGLA		-	-	-	2	700	1,400	-	
BHACTANWALA		-	-	-	-	-	-	-	
MIANWALI		-	-	-	-	-	-	-	
FAISALABAD		-	-	2	1	1,700	3,400	-	
LAHORE	Dom.	4	-	-	2	12,150	16,200	1,870	
	Int'l	2	-	-	-	5,250	4,200	440	
SIALKOT		-	-	-	-	-	-	-	
D.G. KHAN		-	-	-	-	-	-	-	
MULTAN		-	-	2	1	2,100	4,200	-	
SAHIWAL		-	-	-	-	-	-	-	
BAHAWALPUR		-	-	-	-	-	-	-	
BAHAWALNAGAR		-	-	-	-	-	-	-	
R. Y. KHAN		-	-	-	2	600	1,200	-	
JACOBABAD		-	-	-	-	-	-	-	
SUKKUR		-	-	-	2	900	1,800	-	
NAWABSHAH		-	-	-	2	300	600	-	

(Cont'd)

Airport	Apron (No. of Spot)				Passenger Terminal Building (m ²)	Car Parking (m ²)	Cargo Building (m ²)	Remarks
	L	M	S	F				
MOENJODARO	-	-	-	2	600	1,200	-	
HYDERABAD	-	-	-	-	-	-	-	
CHACHRO	-	-	-	-	-	-	-	
BADIN	-	-	-	-	-	-	-	
KARACHI	Dom.	4	-	1	4	19,500	26,000	3,170
	Int'l	6	1	1	-	32,100	23,200	36,700
QUETTA		2	-	-	1	2,300	4,600	-
ZHOB		-	-	-	2	600	1,200	-
LORALAI		-	-	-	-	-	-	-
DALBANDIN		-	-	-	2	700	1,400	-
TAFTAN		-	-	-	-	-	-	-
NUSHKI		-	-	-	-	-	-	-
KHARAN		-	-	-	-	-	-	-
KHUZDAR		-	-	-	3	1,100	2,200	-
SUI		-	-	-	2	600	1,200	-
SIBI		-	-	-	-	-	-	-
PANJGUR		-	-	-	2	700	1,400	-
TURBAT		-	-	-	3	2,000	4,000	-
PASNI		-	-	-	2	700	1,400	-
GWADAR		-	-	-	3	700	1,400	-
JIWANI		-	-	-	2	600	1,200	-
ORMARA		-	-	-	2	600	1,200	-
GILGIT		-	-	-	3	1,300	2,600	-
SKARDU		-	-	-	2	700	1,400	-
RAWALKOT		-	-	-	2	600	1,200	-
MUZAFFARABAD		-	-	-	2	300	600	-

Source: JICA Study Team

App. Table 2-13 Terminal Facility Requirements (2005-06)

Airport		Apron (No. of Spot)				Passenger Terminal Building (m ²)	Car Parking (m ²)	Cargo Building (m ²)	Remarks
		L	M	S	F				
PESHAWAR	Dom.	2	-	-	3	4,600	9,200	300	
	Int'l	2	-	-	-	3,500	2,800	360	
SAIDU SHARIF		-	-	-	2	700	1,400	-	
KOHAT		-	-	-	-	-	-	-	
PARACHINAR		-	-	-	-	-	-	-	
MANSEHRA		-	-	2	1	1,800	3,600	-	New Airport
D. I. KHAN		-	-	-	2	700	1,400	-	
WANA		-	-	-	2	300	600	-	New Airport
BANNU		-	-	-	2	600	1,200	-	
CHITRAL		-	-	-	3	1,000	2,000	-	
ISLAMABAD	Dom.	3	-	1	3	15,750	21,000	1,690	
	Int'l	3	-	-	-	10,750	8,600	3,650	
MANGLA		-	-	-	3	1,100	2,200	-	
BHAGTANWALA		-	-	-	-	-	-	-	
MIANWALI		-	-	-	-	-	-	-	
FAISALABAD		-	-	2	1	2,700	5,400	-	
LAHORE	Dom.	5	-	1	2	24,000	32,000	3,770	
	Int'l	2	-	1	-	8,000	6,400	670	
SIALKOT		-	-	-	3	1,000	2,000	-	New Airport
D.G. KHAN		-	-	-	3	700	1,400	-	New Airport
MULTAN		-	-	2	1	2,800	5,600	-	
SAHIWAL		-	3	-	-	1,800	3,600	110	New Airport
BAHAWALPUR		-	-	-	2	300	600	-	
BAHAWALNAGAR		-	-	-	2	600	1,200	-	New Airport
R.Y. KHAN		-	-	-	3	800	1,600	90	
JACOBABAD		-	-	-	-	-	-	-	
SUKKUR		-	-	-	3	700	1,400	-	
NAWABSHAH		-	-	-	2	600	1,200	-	

(Cont'd)

Airport	Apron (No. of Spot)				Passenger Terminal Building (m ²)	Car Parking (m ²)	Cargo Building (m ²)	Remarks
	L	M	S	F				
MOENJODARO	-	-	-	2	600	1,200	-	
HYDERABAD	-	-	-	2	300	600	-	
CHACHRO	-	-	-	3	1,000	2,000	-	New Airport
BADIN	-	-	-	-	-	-	-	
KARACHI	Dom.	6	2	1	5	40,800	54,400	6,140
	Int'l	9	-	2	-	46,850	33,800	56,100
QUETTA	2	-	-	2	2,800	5,600	140	
ZHOB	-	-	-	2	600	1,200	-	
LORALAI	-	-	-	2	600	1,200	-	New Airport
DALBANDIN	-	-	-	2	600	1,200	-	
TAFTAN	-	-	-	3	800	1,600	-	New Airport
NUSHKI	-	-	-	2	600	1,200	-	New Airport
KHARAN	-	-	-	3	600	1,200	-	New Airport
KHUZDAR	-	2	-	1	1,900	3,800	-	
SUI	-	-	-	2	600	1,200	-	
SIBI	-	-	-	-	-	-	-	
PANJGUR	-	-	-	3	1,000	2,000	-	
TURBAT	-	2	-	1	2,800	5,600	-	
PASNI	-	-	-	3	1,000	2,000	-	
GWADAR	-	-	-	3	1,200	2,400	-	
JIWANI	-	-	-	2	600	1,200	-	
ORMARA	-	-	-	2	600	1,200	-	
GILGIT	-	-	-	3	1,000	2,000	-	
SKARDU	-	-	-	2	1,200	2,400	-	
RAWALKOT	-	-	-	2	600	1,200	-	
MUZAFFARABAD	-	-	-	2	600	1,200	-	

Source: JICA Study Team

App. Table 2-14 Air Navigation System Plan

X : installed
* : On-going
7 : Planned in 7th Plan
0 : Planned in Master Plan

Airport	RADIO AIDS					COM			LIGHTING AIDS			MET	
	PSR SSR	ILS	VOR DVOR	DME	T- DME	NDB	VHF	ALS	RWL	VASIS PAPI	TWL	A/P	RVR
Peshawar			X	X		X	X	X	X	X	X	X	X
D.I. Khan				0	X	X	X			0			
Saidu Sharif					X	X	X			0			
Chitral					0	X	X			0			
Islamabad	*	X	X	X	X	X	X	X	X	X	X	X	X
(New Airport)	0	0	0	0	0	0	0	0	0	0	0	0	0
Lahore	*	X	X	X	X	X	X	X	X	X	X	X	X
Faisalabad		X	*	0	X	X	X	X	X	X	X	X	
Multan		X	X		X	X	X	7	X	X	X	X	
Karachi	X	X	X	X		X	X	X	X	X	X	X	7
Hyderabad		X	X	X	7	X	X	X	X	7	X	X	
Nawabshah			X	X		X	X		X	X		X	
Moenjodaro						X	X		X	X	X	X	
Sukkur						X	X		X	X	X	X	
Quetta	*	0	X	X		X	X	7	X	X	X	X	
Panjugur			X			X	X			7			
Turbat		0	X			X	X	0	X	0	0	0	
Pasni	*					X	X		X	7			
Gwadar		0				X	X	0	0	0	0	0	
Jiwani			X	X		X	X			7			
Sui						7				7			
Bannu						X	X			0			
Gilgit						7	X						
Kohat						X	X						
R.Y. Khan	*		X	X		X				0			
Skardu							X						
Zhob			X	X		X	X			0			
Sibi						X	X			0			
Bahawalpur						X	X			0			
Mangla						X	X			0			
Khuzdar						X	X			0			
Dalbandin						X	X			0			
Parachinar						X				0			
Rawalkot						X				0			
Muzafarabad						X				0			
Jacobabad						0	X		0	0			
Talhar						0	X			0			
Mianwali						0	X			0			
Bhagtanwala						0	X			0			
Ormara						0				0			
Taftan						0				0			
Chachro						0				0			

Source: JICA Study Team

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