

777 / 06 / 10

OCTOBER 11, 2010

**SUBJECT: 777-200ER TAKEOFF GROSS WEIGHTS EX QUETTA (UET)
RWY 13 & 31 FLAPS 05 & 15 FOR HAJJ 2010**

Enclosed Please find Takeoff Gross Weights (TOGW) for 777-200ER aircraft for Flaps 05 & 15 Ex Quetta (UET) Runway 13 & 31 for Hajj 2010.


(ENGR. ZIA UR REHMAN) 11/10/10
DY. GENERAL MANAGER
OPERATIONS ENGINEERING-I

Encl: As stated above

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 13 OPQT

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF QUETTA
 QUETTA
 777-200 GE90-94B DATED 11-OCT-2010

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)
 C 100KG -10 0 10 20

60A	1881	1741F/28-30-34	1871F/35-36-38	1915F/36-36-39	1959F/36-36-39
				1897**37-38-41	1916**40-41-43
58A	1920	1767F/28-31-35	1899F/36-37-39	1944F/37-37-40	1989F/37-37-40
				1931**38-39-41	1950**41-42-44
56A	1962	1794F/29-32-36	1927F/36-37-40	1974F/38-39-41	2019F/39-39-41
				1967**39-40-42	1987**42-43-45
54A	2005	1821F/30-33-37	1956F/37-38-41	2003F/39-40-43	2050F/40-40-43
					2025**42-43-46
52A	2047	1848F/31-34-38	1985F/38-39-43	2033F/40-41-44	2080F/41-42-45
					2062**43-44-46
50A	2090	1875F/31-35-39	2014F/39-40-44	2062F/41-42-45	2108F/43-43-46
					2099**43-44-47
48A	2133	1902F/32-35-40	2043F/39-41-45	2090F/42-43-46	2136F/44-44-48
					2134**44-45-48
46A	2176	1930F/33-36-41	2072F/40-42-46	2118F/42-44-47	2165F/44-45-49
44A	2222	1959F/33-37-42	2101F/41-43-47	2147F/43-44-48	2194F/45-46-50
42	2277	1991F/34-38-43	2133F/41-44-48	2180F/43-45-49	2228F/45-47-51
40	2334	2024F/35-39-45	2165F/42-45-49	2213F/44-46-51	2261F/46-48-52
38	2379	2050F/35-40-46	2191F/42-45-50	2239F/44-47-52	2289F/46-49-53
36	2421	2074F/36-41-46	2214F/42-46-51	2264F/45-48-52	2314F/47-49-54
34	2463	2096F/36-41-47	2238F/43-47-52	2288F/45-48-53	2339F/47-50-55
32	2505	2118F/37-42-48	2262F/43-47-53	2313F/45-49-54	2364F/48-51-56
30	2542	2139F/37-42-49	2285F/44-48-53	2336F/46-50-55	2388F/48-51-56
28	2581	2162F/37-43-50	2309F/44-48-54	2361F/46-50-56	2413F/49-52-57
26	2622	2185F/38-44-50	2334F/44-49-55	2386F/47-51-57	2439F/49-53-58
24	2655	2206F/38-44-51	2356F/45-50-56	2408F/47-52-57	2462F/49-53-59
22	2680	2222F/38-45-52	2374F/45-50-56	2426F/47-52-58	2481F/50-54-59
20	2704	2238F/39-45-52	2391F/46-51-57	2444F/48-53-58	2498F/50-54-60
18	2708	2246F/39-46-53	2399F/46-51-57	2453F/48-53-59	2508F/50-55-60
16	2708	2252F/39-46-53	2406F/46-51-57	2460F/48-53-59	2515F/51-55-61
14	2709	2259F/39-46-53	2413F/46-52-58	2467F/49-53-59	2523F/51-55-61
12	2709	2265F/40-46-53	2420F/47-52-58	2475F/49-54-59	2530F/51-56-61
10	2709	2271F/40-46-53	2428F/47-52-58	2482F/49-54-60	2538F/52-56-61
8	2709	2278F/40-47-54	2435F/47-52-58	2490F/50-54-60	2546F/52-56-61
6	2709	2284F/41-47-54	2442F/48-53-58	2497F/50-54-60	2553F/52-56-62
4	2709	2291F/41-47-54	2449F/48-53-59	2505F/50-55-60	2561F/52-57-62
2	2709	2298F/41-47-54	2457F/48-53-59	2513F/50-55-61	2569F/53-57-62
0	2709	2305F/41-48-54	2465F/48-53-59	2521F/51-55-61	2577F/53-57-62
-2	2710	2312F/42-48-55	2472F/49-54-59	2529F/51-55-61	2585F/53-57-63

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 800 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY

RUNWAY SLOPES ARE 0.61 PERCENT FOR TODA AND 0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY HT DIST OFFSET HT DIST OFFSET HT DIST OFFSET

13 468 30131 0

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 13 OPQT

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF

QUETTA

QUETTA

777-200 GE90-94B

DATED 11-OCT-2010

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)

C	100KG	-10	0	10	20
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-4	2710	2319F/42-48-55	2480F/49-54-60	2536F/51-56-61	2594F/54-58-63
-6	2710	2326F/42-48-55	2488F/49-54-60	2544F/52-56-61	2602F/54-58-63
-8	2710	2333F/42-49-55	2496F/50-54-60	2552F/52-56-62	2610F/54-58-63
-10	2710	2340F/43-49-55	2504F/50-55-60	2561F/52-57-62	2619F/55-59-64

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 800 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY

RUNWAY SLOPES ARE 0.61 PERCENT FOR TODA AND 0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
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13	468	30131	0						
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ENG-OUT PROCEDURE:

NONE

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 31

OPQT

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF

QUETTA
QUETTA

777-200 GE90-94B

DATED 11-OCT-2010

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)

C	100KG	-10	0	10	20
60A	1881	1875F/32-36-38	2010F/34-36-39	2053F/34-36-39	2096F/34-36-39
			1935**41-44-46	1950**44-47-49	1964**47-50-51
58A	1920	1902F/33-37-39	2041F/35-37-40	2084F/35-37-40	2127F/36-37-40
			1969**42-45-47	1985**45-48-50	2000**47-51-52
56A	1962	1931F/34-38-40	2072F/36-39-41	2116F/37-39-41	2161F/37-39-41
			2007**42-46-48	2024**45-49-51	2039**48-51-53
54A	2005	1960F/35-39-42	2101F/38-40-43	2147F/38-40-43	2194F/38-40-43
			2045**43-46-49	2063**46-49-51	2079**49-52-54
52A	2047	1989F/35-39-43	2130F/39-42-45	2176F/39-42-45	2224F/40-42-45
			2083**43-47-49	2101**46-50-52	2119**49-53-55
50A	2090	2018F/36-40-44	2158F/40-43-46	2205F/41-43-46	2254F/41-43-46
			2120**44-47-50	2139**47-50-53	2157**49-53-55
48A	2133	2047F/37-41-45	2187F/41-44-48	2234F/42-44-48	2283F/42-44-48
			2156**44-48-51	2177**47-51-53	2195**50-54-56
46A	2176	2076F/38-42-46	2215F/42-46-49	2264F/43-46-49	2313F/43-46-49
			2193**44-48-51	2214**47-51-54	2233**50-54-57
44A	2222	2105F/38-43-47	2245F/44-47-51	2294F/44-47-51	2344F/44-47-51
			2232**45-49-52	2253**47-52-55	2273**50-55-57
42	2277	2136F/38-44-48	2279F/45-49-52	2329F/45-49-52	2380F/46-49-52
				2300**48-52-55	2321**50-55-58
40	2334	2168F/39-45-49	2313F/45-50-54	2364F/47-51-54	2415F/47-51-54
				2347**48-52-56	2369**51-55-59
38	2379	2194F/39-45-50	2341F/46-51-55	2392F/48-52-56	2444F/48-52-56
				2385**48-53-56	2408**51-56-59
36	2421	2218F/39-46-51	2366F/46-51-55	2418F/48-53-57	2471F/49-53-57
					2443**51-56-60
34	2463	2241F/40-47-52	2392F/46-52-56	2444F/49-54-58	2498F/50-54-58
					2479**51-56-60
32	2505	2264F/40-47-53	2417F/47-53-57	2470F/49-55-59	2524F/51-56-60
					2514**51-57-61
30	2542	2286F/40-48-53	2442F/47-53-58	2495F/49-55-60	2550F/52-57-61
					2546**52-57-61
28	2581	2309F/40-48-54	2467F/47-54-59	2521F/50-56-60	2577F/52-58-62
26	2622	2333F/41-49-55	2492F/48-55-60	2547F/50-57-61	2604F/52-58-63
24	2655	2354F/41-50-56	2514F/48-55-60	2570F/50-57-62	2627F/53-59-64
22	2680	2371F/41-50-56	2533F/48-56-61	2589F/51-58-63	2647F/53-60-64
20	2704	2387F/41-51-57	2550F/49-56-62	2607F/51-58-63	2666F/53-60-65
18	2708	2396F/42-51-57	2560F/49-57-62	2617F/51-58-63	2676F/54-60-65
16	2708	2403F/42-51-57	2568F/49-57-62	2625F/52-59-64	2685F/54-61-65

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 274 M OF CLEARWAY AND 274 M OF STOPWAY

RUNWAY SLOPES ARE -0.61 PERCENT FOR TODA AND -0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-F/T/M

RUNWAY HT DIST OFFSET HT DIST OFFSET HT DIST OFFSET

31 NONE

ENG-OUT PROCEDURE:

NONE

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 31

OPQT

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF

QUETTA

QUETTA

DATED 11-OCT-2010

777-200 GE90-94B

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)

C	100KG	-10	0	10	20
14	2709	2410F/42-51-57	2575F/49-57-62	2633F/52-59-64	2694F/54-61-66
12	2709	2417F/42-52-58	2583F/50-57-63	2641F/52-59-64	2702F/55-61-66
10	2709	2424F/43-52-58	2591F/50-58-63	2649F/52-60-64	2711F/55-61-66
					2710**55-61-66
8	2709	2431F/43-52-58	2599F/50-58-63	2658F/53-60-65	2720F/55-61-66
					2714**55-62-66
6	2709	2439F/43-52-58	2607F/51-58-63	2667F/53-60-65	2729F/55-61-66
					2718**56-62-67
4	2709	2446F/44-53-59	2615F/51-58-63	2675F/53-60-65	2738F/55-61-66
					2722**56-63-67
2	2709	2453F/44-53-59	2623F/51-59-64	2684F/54-61-65	2748F/55-61-66
					2727**57-63-68
0	2709	2461F/44-53-59	2632F/52-59-64	2693F/54-61-66	2757F/55-61-66
					2731**57-64-68
-2	2710	2468F/44-53-59	2640F/52-59-64	2702F/54-61-66	2766F/55-61-66
					2736**57-64-69
-4	2710	2476F/45-54-59	2649F/52-59-64	2712F/55-61-66	2776F/55-61-66
					2740**58-65-69
-6	2710	2484F/45-54-60	2658F/52-60-65	2721F/55-61-66	2786F/55-61-66
					2715**55-62-66
					2744**58-65-69
-8	2710	2492F/45-54-60	2667F/53-60-65	2730F/55-61-66	2795F/55-61-66
					2719**56-62-67
					2748**59-66-70
-10	2710	2499F/46-54-60	2676F/53-60-65	2740F/55-61-66	2805F/55-61-66
					2724**56-63-67
					2753**59-66-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 274 M OF CLEARWAY AND 274 M OF STOPWAY

RUNWAY SLOPES ARE -0.61 PERCENT FOR TODA AND -0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY HT DIST OFFSET HT DIST OFFSET HT DIST OFFSET

31 NONE

ENG-OUT PROCEDURE:

NONE

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 13

OPQT

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF

QUETTA
QUETTA

777-200 GE90-94B

DATED 11-OCT-2010

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)

C	100KG	-10	0	10	20
60A	1808	1809F/25-27-30	1947F/26-27-30	1978*/26-27-30	1979*/27-27-30
			1867**34-36-39	1884**36-39-41	1900**39-42-44
58A	1846	1837F/26-28-31	1976F/27-28-32	2022*/28-28-32	2022*/28-28-32
			1901**34-37-39	1919**37-40-42	1935**40-43-45
56A	1887	1865F/26-29-32	2006F/29-30-33	2054F/29-30-33	2066*/29-30-33
			1937**35-37-40	1956**38-40-43	1973**41-44-46
54A	1928	1893F/27-30-34	2036F/30-31-35	2085F/30-31-35	2110*/30-31-35
			1974**35-38-41	1993**38-41-44	2011**41-44-47
52A	1969	1922F/28-31-35	2066F/31-32-36	2116F/31-32-36	2154*/32-32-36
			2011**36-38-42	2030**39-42-44	2048**42-45-47
50A	2010	1950F/29-31-36	2096F/32-34-38	2146F/33-34-38	2194F/33-34-38
			2047**37-39-42	2067**40-42-45	2086**42-45-48
48A	2051	1978F/29-32-37	2126F/34-35-39	2175F/34-35-39	2223F/34-35-39
			2083**37-40-43	2104**40-43-46	2124**43-46-49
46A	2093	2006F/30-33-38	2155F/35-36-40	2204F/35-36-40	2253F/35-36-40
			2120**38-40-44	2141**41-43-47	2161**43-46-49
44A	2137	2036F/31-34-39	2184F/36-38-42	2234F/36-38-42	2284F/37-38-42
			2158**38-41-44	2179**41-44-47	2199**44-47-50
42	2190	2070F/31-35-40	2218F/37-39-44	2268F/38-39-44	2319F/38-39-44
			2203**38-41-45	2224**41-44-48	2246**44-47-51
40	2244	2104F/32-36-41	2251F/39-41-45	2302F/39-41-45	2354F/39-41-45
			2247**39-41-46	2270**41-44-48	2292**44-47-51
38	2287	2130F/33-37-42	2278F/39-42-46	2329F/40-42-47	2382F/40-42-47
				2306**42-45-49	2329**44-48-52
36	2325	2153F/33-37-43	2303F/39-42-47	2355F/41-43-48	2408F/41-43-48
				2338**42-45-49	2362**45-48-52
34	2364	2176F/33-38-44	2327F/40-43-48	2380F/42-44-49	2434F/42-44-49
				2371**42-45-50	2396**45-48-53
32	2403	2199F/34-38-44	2352F/40-44-49	2405F/42-45-50	2460F/43-45-50
				2404**42-45-50	2429**45-49-53
30	2438	2222F/34-39-45	2376F/40-44-50	2430F/43-46-51	2485F/44-46-51
					2460**45-49-54
28	2476	2245F/34-40-46	2401F/41-45-50	2456F/43-47-52	2511F/44-47-53
					2492**46-49-54
26	2515	2269F/35-40-47	2427F/41-46-51	2482F/44-47-53	2538F/45-48-54
					2525**46-50-55
24	2546	2290F/35-41-47	2449F/42-46-52	2505F/44-48-54	2561F/46-49-55
					2553**46-50-55
22	2570	2307F/35-41-48	2468F/42-47-53	2524F/44-48-54	2581F/46-50-55
					2575**47-51-56

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 840 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY

RUNWAY SLOPES ARE 0.61 PERCENT FOR TODA AND 0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY HT DIST OFFSET HT DIST OFFSET HT DIST OFFSET

13 468 30131 0

ENG-OUT PROCEDURE:

NONE

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 13 OPQT

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF

QUETTA
QUETTA
DATED 11-OCT-2010

777-200 GE90-94B

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)

C	100KG	-10	0	10	20
20	2593	2324F/36-42-49	2485F/42-47-53	2542F/45-49-55	2599F/47-51-56 2596**47-51-56
18	2597	2332F/36-42-49	2494F/43-47-53	2551F/45-49-55	2609F/47-51-56 2603**47-51-57
16	2597	2338F/36-42-49	2502F/43-48-54	2559F/45-49-55	2617F/47-51-56 2606**48-52-57
14	2597	2345F/36-42-49	2509F/43-48-54	2566F/45-50-55	2625F/47-51-56 2610**48-52-58
12	2597	2352F/37-43-49	2516F/43-48-54	2574F/46-50-56	2633F/47-51-56 2614**48-53-58
10	2597	2358F/37-43-50	2524F/44-48-54	2582F/46-50-56	2641F/47-51-56 2617**49-53-58
8	2597	2365F/37-43-50	2532F/44-49-54	2589F/46-50-56	2649F/47-51-56 2621**49-53-59
6	2597	2372F/37-43-50	2539F/44-49-55	2597F/47-51-56	2657F/47-51-56 2625**50-54-59
4	2597	2379F/38-43-50	2547F/45-49-55	2605F/47-51-56 2601**47-51-57	2666F/47-51-56 2629**50-54-59
2	2598	2386F/38-44-50	2555F/45-49-55	2613F/47-51-56 2605**47-52-57	2675F/47-51-56 2633**50-55-60
0	2598	2393F/38-44-51	2563F/45-50-55	2621F/47-51-56 2609**48-52-57	2684F/47-51-56 2637**51-55-60
-2	2598	2400F/39-44-51	2570F/45-50-55	2629F/47-51-56 2613**48-52-58	2692F/47-51-56 2641**51-56-61
-4	2598	2407F/39-44-51	2578F/46-50-56	2638F/47-51-56 2617**49-53-58	2701F/47-51-56 2645**52-56-61
-6	2598	2414F/39-45-51	2586F/46-50-56	2646F/47-51-56 2621**49-53-59	2710F/47-51-56 2649**52-57-62
-8	2598	2422F/39-45-51	2594F/46-51-56	2655F/47-51-56 2625**49-54-59	2720F/47-51-56 2653**53-57-62
-10	2598	2429F/40-45-52	2603F/47-51-56 2600**47-51-56	2664F/47-51-56 2629**50-54-59	2729F/47-51-56 2657**53-58-62

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 840 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY

RUNWAY SLOPES ARE 0.61 PERCENT FOR TODA AND 0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY HT DIST OFFSET HT DIST OFFSET HT DIST OFFSET

13 468 30131 0

ENG-OUT PROCEDURE:

NONE

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 31

OPQT

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF

QUETTA
QUETTA

777-200 GE90-94B

DATED 11-OCT-2010

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)

C	100KG	-10	0	10	20
60A	1808	1951F/24-27-30	2092F/24-27-30	2137F/25-27-30	2183F/25-27-30
		1867**31-36-39	1913**40-45-47	1915**41-46-47	1915**41-46-47
58A	1846	1980F/25-28-32	2124F/26-28-32	2170F/26-28-32	2217F/26-28-32
		1901**32-37-39	1948**41-46-48	1954**42-47-49	1954**42-47-49
56A	1887	2010F/26-30-33	2157F/27-30-33	2204F/27-30-33	2251F/28-30-33
		1938**33-37-40	1986**41-46-48	1996**43-48-51	1996**44-48-51
54A	1928	2040F/27-31-35	2187F/28-31-35	2236F/28-31-35	2286F/29-31-35
		1975**33-38-41	2025**42-47-49	2039**45-50-52	2040**45-50-52
52A	1969	2070F/28-32-36	2217F/29-32-36	2266F/30-32-36	2318F/30-32-36
		2012**34-39-42	2064**43-47-50	2079**46-50-53	2084**47-52-54
50A	2010	2100F/30-34-38	2246F/31-34-38	2297F/31-34-38	2348F/31-34-38
		2048**34-39-43	2103**43-48-51	2118**46-51-54	2128**48-53-55
48A	2051	2130F/31-35-39	2276F/32-35-39	2327F/32-35-39	2379F/32-35-39
		2084**35-40-43	2141**44-49-51	2157**46-51-54	2171**49-54-57
46A	2093	2158F/32-36-40	2306F/33-36-40	2357F/33-36-40	2410F/34-36-40
		2122**35-40-44	2178**44-49-52	2195**47-52-55	2211**50-55-58
44A	2137	2188F/33-38-42	2337F/34-38-42	2389F/35-38-42	2442F/35-38-42
		2160**36-41-45	2218**44-49-53	2236**47-52-55	2251**50-55-58
42	2190	2221F/34-39-44	2373F/35-39-44	2425F/36-39-44	2479F/36-39-44
		2204**36-41-45	2265**44-50-53	2283**47-53-56	2300**50-56-59
40	2244	2254F/36-41-45	2408F/37-41-45	2461F/37-41-45	2516F/37-41-45
		2249**36-41-46	2312**44-50-54	2331**47-53-57	2350**50-56-59
38	2287	2281F/36-42-47	2436F/38-42-47	2491F/38-42-47	2546F/38-42-47
			2350**45-51-54	2370**48-53-57	2389**51-56-60
36	2325	2305F/36-42-47	2463F/38-43-48	2518F/39-43-48	2574F/39-43-48
			2385**45-51-55	2406**48-54-58	2426**51-57-60
34	2364	2329F/37-43-48	2489F/39-44-49	2545F/40-44-49	2602F/40-44-49
			2419**45-51-55	2441**48-54-58	2463**51-57-61
32	2403	2353F/37-44-49	2515F/40-45-50	2572F/40-45-50	2629F/41-45-50
			2453**45-52-56	2476**48-54-59	2499**51-57-61
30	2438	2376F/37-44-50	2541F/41-46-51	2598F/41-46-51	2657F/42-46-51
			2484**45-52-56	2508**48-55-59	2531**51-58-62
28	2476	2400F/37-45-50	2567F/42-47-53	2625F/42-47-53	2686F/42-47-53
			2517**46-52-57	2541**49-55-60	2564**52-58-63
26	2515	2425F/38-45-51	2593F/42-48-54	2653F/43-48-54	2716F/43-48-54
			2551**46-53-58	2576**49-56-60	2599**52-59-63
24	2546	2446F/38-46-52	2617F/43-49-55	2678F/43-49-55	2741F/44-49-55
			2578**46-53-58	2604**49-56-61	2628**52-59-64
22	2570	2464F/38-46-52	2636F/43-50-55	2698F/44-50-55	2762F/44-50-55
			2601**46-53-59	2626**49-57-61	2651**52-60-64

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 274 M OF CLEARWAY AND 274 M OF STOPWAY

RUNWAY SLOPES ARE -0.61 PERCENT FOR TODA AND -0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY HT DIST OFFSET HT DIST OFFSET HT DIST OFFSET

31 NONE

ENG-OUT PROCEDURE:

NONE

PCN LIMITED WEIGHT EX QUETTA 216,000 KG

ELEVATION 5267 FT

RUNWAY 31

OPQT

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF

QUETTA

QUETTA

DATED 11-OCT-2010

777-200 GE90-94B

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT CLIMB WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)

C	100KG	-10	0	10	20
20	2593	2481F/38-47-53	2655F/44-51-56	2718F/44-51-56	2782F/45-51-56
			2621**46-54-59	2647**49-57-62	2673**53-60-65
18	2597	2490F/39-47-53	2665F/44-51-56	2728F/44-51-56	2794F/45-51-56
			2628**47-54-59	2654**50-57-62	2680**53-60-65
16	2597	2498F/39-47-53	2674F/44-51-56	2737F/44-51-56	2803F/45-51-56
			2632**47-55-60	2658**50-58-63	2684**53-61-65
14	2597	2505F/39-48-54	2682F/44-51-56	2746F/44-51-56	2812F/45-51-56
			2635**47-55-60	2662**51-58-63	2688**54-61-66
12	2597	2512F/39-48-54	2690F/44-51-56	2755F/45-51-56	2821F/45-51-56
			2639**48-56-61	2666**51-59-63	2691**54-62-66
10	2597	2520F/40-48-54	2699F/44-51-56	2764F/45-51-56	2830F/45-51-56
			2642**48-56-61	2669**51-59-64	2695**55-62-67
8	2597	2527F/40-48-54	2708F/44-51-56	2773F/45-51-56	2839F/45-51-56
			2646**49-56-61	2673**52-60-64	2699**55-63-67
6	2597	2535F/40-49-55	2716F/44-51-56	2782F/45-51-56	2849F/45-51-56
			2650**49-57-62	2677**52-60-65	2703**56-63-68
4	2597	2542F/40-49-55	2725F/44-51-56	2791F/45-51-56	2858F/45-51-56
			2654**49-57-62	2680**53-60-65	2707**56-64-68
2	2598	2550F/41-49-55	2734F/44-51-56	2800F/45-51-56	2868F/45-51-56
			2658**50-58-63	2684**53-61-65	2710**56-64-68
0	2598	2558F/41-49-55	2743F/44-51-56	2810F/45-51-56	2877F/45-51-56
			2662**50-58-63	2688**54-61-66	2714**57-65-69
-2	2598	2566F/41-50-55	2753F/44-51-56	2819F/45-51-56	2887F/45-51-56
			2666**51-59-63	2692**54-62-66	2718**57-65-69
-4	2598	2574F/42-50-56	2762F/44-51-56	2829F/45-51-56	2897F/45-51-56
			2670**51-59-64	2696**54-62-67	2721**58-65-70
-6	2598	2582F/42-50-56	2771F/44-51-56	2839F/45-51-56	2907F/45-51-56
			2674**52-60-64	2700**55-63-67	2725**58-66-70
-8	2598	2590F/42-50-56	2781F/44-51-56	2848F/45-51-56	2917F/45-51-56
			2677**52-60-65	2704**55-63-68	2729**59-66-71
-10	2598	2598F/43-51-56	2790F/44-51-56	2858F/45-51-56	2927F/45-51-56
			2681**52-60-65	2708**56-64-68	2733**59-67-71

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,

*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2896 M LONG WITH 274 M OF CLEARWAY AND 274 M OF STOPWAY

RUNWAY SLOPES ARE -0.61 PERCENT FOR TODA AND -0.61 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY HT DIST OFFSET HT DIST OFFSET HT DIST OFFSET

31 NONE

ENG-OUT PROCEDURE:

NONE