APPENDIX 9
Stepwise Regression Analysis - Horizontal Reaches.

TABLE : 70. Stepwise Regression of Horizontal Reaches and Anthropometric Characteristics (N=526).

Variables			1	2	3	4	5	6	7	8	9	10	11	Constant	R.square
Max. H. two handed reach	Close to elbow height	Elh (1)	0.57535											-9.59592	0.13839
		Ac (2)	0.57712	-0.13548										1.96157	0.19573
		Al (3)	0.42368	-0.14011	0.28119									-2.41125	0.21233
		Fr-2 (4)	0.48281	-0.12903	0.43864	-0.32224								1.39754	0.22888
		As (5)	0.35873	-0.14212	0.25041	-0.48451	0.24879							1.85120	0.24293
		Fac (6)	0.38693	-0.08829	0.25903	-0.52048	0.26171	0.43072						0.24768	0.25123
	5 cm below elbow height	Elh (1)	0.49462											-4.83761	0.11632
		Abc (2)	0.49626	-0.12496										5.82246	0.17185
		As (3)	0.28087	-0.14154	0.17872									0.87950	0.19172
		Fr-2 (4)	0.26930	-0.13921	0.34279	-0.41357								1.00272	0.21667
		Byh (5)	0.45773	-0.13845	0.39829	-0.37339	-0.22978							4.30145	0.22291
	10 cm below elbow height	Elh (10)	0.54972											-12.25129	0.20334
		Abc (2)	0.55132	-0.12231										-1.81788	0.27886
		Al (3)	0.38775	-0.12724	0.29975									-6.48140	0.31050
		BB (4)	0.34691	-0.16998	0.30534	0.16938								-5.02406	0.32374
		Fr-2 (5)	0.38513	-0.15603	0.38498	0.13662	-0.16521							-3.35208	0.32951
		As (6)	0.28744	-0.16541	0.23550	0.11264	-0.29600	0.19833						-5.95916	0.34407
		Llh (7)	0.23245	-0.16121	0.24445	0.12706	-0.33570	0.18223	0.21726					-5.93401	0.35129
		Bye (8)	0.39456	-0.15522	0.25058	0.10769	-0.31154	0.22762	0.23083	-0.19517				-3.21656	0.35772
		HI (9)	0.39950	-0.15612	0.26463	0.10235	-0.28533	0.24921	0.22173	-0.19071	-0.40111			-2.69164	0.36232
		Fal (10)	0.39518	-0.15174	0.22473	0.09280	-0.27311	0.24227	0.21216	-0.18416	-0.49238	0.17471		-2.23455	0.36821
		Uac (11)	0.37913	-0.15185	0.25625	0.10635	-0.25155	0.26612	0.22305	-0.18264	-0.45224	0.22155	-0.27741	-2.71051	0.37281
Max. H. reach for right hand	Close to elbow height	Elh (1)	0.57406											-6.17318	0.24848
		Abc (2)	0.57568	-0.12354										4.36526	0.33497
		As (3)	0.34183	-0.14153	0.19403									-2.91092	0.37346
		Fr-2 (4)	0.33072	-0.13929	0.35162	-0.3724								-1.10305	0.41070
		Al (5)	0.32158	-0.13454	0.27353	-0.41897	0.20714							-0.97531	0.41920
		Byh (6)	0.46385	-0.13390	0.31441	-0.38890	0.20998	-0.17365						1.51933	0.42504
		HI (7)	0.46427	-0.13609	0.33498	-0.36244	0.22366	-0.16848	-0.40013					2.05988	0.43044
		Fal (8)	0.45514	-0.13443	0.32797	-0.35103	0.18962	-0.16171	-0.47380	0.14555				2.45707	0.43490
		Fac (9)	0.48152	-0.10584	0.33606	-0.37028	0.19325	-0.17634	-0.43295	0.14452				3.70643	0.43857

Table : 70. Cont....

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	1	2	3	4	5	6	7	8	9	10	11	Constant	R.square
5 cm below elbow height	Elh (1) 0.453016											2.86980	0.01699
	Abc (2) 0.45458	-0.11976										13.08579	0.02512
10 cm below elbow height*	Hc -0.3939	Pal -0.0071	Llh -0.4230	Hl -0.2976	Lh 0.1579	Fr-1 0.7685							
	Ual 0.4832	EE -0.1135	Elh 0.3562	Al 0.2078	Pac 0.5376	Wc -0.1442	As -0.2287						
	Uac 0.7967	Byh 0.0489	Bc -0.1068	St 0.1341	Abc 0.2540	Fr-2 -1.1285						30.13859	-0.14250
Nor. H. two handed reach	Byh (1) 0.28254											-20.76008	0.02276
5 cm below elbow height	Byh (1) 0.31646											-26.29687	0.02073
10 cm below elbow height*	Hc 0.0727	Pal 0.0702	Llh 0.0130	Hl 0.4615	Lh 0.0494	Fr-1 0.1957						1.60471	-0.02028
	Ual 0.0005	EE 0.5762	Elh 0.0020	Al 0.0341	Pac -0.6566	Wc -0.0681	As 0.2056						
	Uac -0.1796	Byh -0.0517	Bc 0.0522	St 0.0082	Abc 0.0729	Fr-2 -0.5507							

NOTE : * Multiple regression Beta values