

STATEMENT SHOWING IMPORTS OF SELECTED COMMODITIES DURING THE MONTH OF APRIL, 2023

VALUE = (RUPEES IN MILLION)
(U.S DOLLARS IN THOUSAND)

SL. NO.	COMMODITIES	UNIT	APRIL, 2023 (R)		MARCH, 2023 (R)		APRIL, 2022		% CHANGE IN APRIL, 2023 OVER								
			QUANTITY	VALUE		QUANTITY	VALUE		QUANTITY	VALUE		MARCH, 2023		APRIL, 2022			
				RUPEES	DOLLARS		RUPEES	DOLLARS		RUPEES	DOLLARS	QUANTITY	VALUE				
													RUPEES	DOLLARS	RUPEES	DOLLARS	
GRAND TOTAL			854,112	2,997,456	1,069,317	3,816,230	1,228,815	6,660,918	-20.13	-21.46	-30.49	-55.00					
A.	FOOD GROUP	-	122,275	429,115	181,108	646,347	125,422	679,864	-	-32.49	-33.61	-	-2.51	-36.88			
	1. MILK, CREAM & MILK FOOD FOR INFANTS	MT	1,740	2,358	8,275	2,747	3,439	12,274	3,781	2,378	12,893	-36.68	-31.44	-32.58	-53.99	-0.87	-35.82
	2. WHEAT UNMILLED	MT	146,873	15,885	55,747	328,453	34,081	121,630	0	0	0	-55.28	-53.39	-54.17	100.00	100.00	100.00
	3. DRY FRUITS & NUTS	MT	6,098	860	3,017	4,519	592	2,112	5,292	780	4,229	34.96	45.26	42.85	15.23	10.21	-28.65
	4. TEA	MT	13,355	9,318	32,700	15,731	10,771	38,441	15,997	8,357	45,299	-15.10	-13.49	-14.93	-16.51	11.50	-27.81
	5. SPICES	MT	9,805	3,270	11,475	11,397	3,362	11,998	6,548	2,295	12,440	-13.97	-2.74	-4.36	49.74	42.48	-7.75
	6. SOYABEAN OIL	MT	7,350	2,739	9,611	32,900	12,251	43,723	16,220	4,193	22,730	-77.66	-77.65	-78.02	-54.69	-34.69	-57.72
	7. PALM OIL	MT	172,534	51,310	180,069	229,894	66,180	236,187	257,655	67,840	367,735	-24.95	-22.47	-23.76	-33.04	-24.37	-51.03
	8. SUGAR	MT	326	85	298	440	136	484	569	75	407	-26.00	-37.37	-38.43	-42.78	13.10	-26.78
	9. PULSES (LEGUMINOUS VEGETABLES)	MT	93,530	17,314	60,761	159,215	27,156	96,914	63,992	7,909	42,872	-41.26	-36.24	-37.30	46.16	118.91	41.73
	10. ALL OTHERS FOOD ITEMS	-	19,138	67,162	23,140	82,584	31,594	171,261	-	-	-	-17.30	-18.67	-	-39.43	-60.78	
B.	MACHINERY GROUP	-	100,364	352,219	95,523	340,906	161,568	875,796	-	5.07	3.32	-	-37.88	-59.78			
	11. POWER GENERATING MACHINERY	-	8,642	30,328	6,545	23,358	14,684	79,594	-	32.04	29.84	-	-41.15	-61.90			
	12. OFFICE MACHINE INCL. DATA PROC EQUIP;	-	6,472	22,713	8,054	28,743	8,432	45,706	-	-19.64	-20.98	-	-23.25	-50.31			
	13. TEXTILE MACHINERY	-	4,536	15,921	5,250	18,737	10,177	55,163	-	-13.59	-15.03	-	-55.42	-71.14			
	14. CONSTRUCTION & MINING MACHINERY	-	1,917	6,729	1,335	4,766	2,589	14,032	-	43.59	41.19	-	-25.93	-52.04			
	15. ELECTRICAL MACHINERY & APPARATUS	-	33,358	117,069	31,529	112,522	26,982	146,260	-	5.80	4.04	-	23.63	-19.96			
	16. TELE COM	-	9,832	34,504	10,119	36,112	51,037	276,652	-	-2.84	-4.45	-	-80.74	-87.53			
	A. MOBILE PHONE	-	3,017	10,587	4,160	14,846	39,273	212,881	-	-27.48	-28.69	-	-92.32	-95.03			
	B. OTHER APPARATUS	-	6,815	23,917	5,959	21,266	11,765	63,772	-	14.37	12.47	-	-42.07	-62.50			
	17. AGRICULTURAL MACHINERY & IMPLEMENTS	-	1,267	4,446	916	3,269	1,584	8,585	-	38.32	36.00	-	-20.00	-48.21			
	18. OTHER MACHINERY	-	34,339	120,509	31,775	113,399	46,084	249,803	-	8.07	6.27	-	-25.49	-51.76			
C.	TRANSPORT GROUP	-	17,979	63,096	26,284	93,805	67,387	365,279	-	-31.60	-32.74	-	-73.32	-82.73			
	19. ROAD MOTOR VEH. (BUILD UNIT, CKD/SKD)	-	17,856	62,664	24,627	87,891	50,798	275,358	-	-27.49	-28.70	-	-64.85	-77.24			
	19.1 CBU	-	3,171	11,129	2,396	8,551	8,722	47,280	-	32.36	30.15	-	-63.64	-76.46			
	A. BUSES, TRUCKS & OTH. HEAVY VEHICLES	-	1,069	3,752	1,539	5,494	5,159	27,965	-	-30.55	-31.71	-	-79.28	-86.58			
	B. MOTOR CARS	-	2,086	7,321	848	3,028	3,485	18,893	-	145.89	141.78	-	-40.15	-61.25			
	C. MOTOR CYCLES	-	16	56	8	29	78	422	-	98.50	93.10	-	-79.39	-86.75			
	19.2 CKD/SKD	-	11,597	40,698	18,140	64,741	33,785	183,137	-	-36.07	-37.14	-	-65.67	-77.78			
	A. BUSES, TRUCKS & OTH. HEAVY VEHICLES	-	4,241	14,883	5,501	19,633	8,629	46,777	-	-22.91	-24.19	-	-50.86	-68.18			
	B. MOTOR CARS	-	6,720	23,583	12,263	43,766	23,991	130,048	-	-45.20	-46.12	-	-71.99	-81.87			
	C. MOTOR CYCLES	-	636	2,232	376	1,342	1,164	6,311	-	69.17	66.32	-	-45.37	-64.64			
	19.3 PARTS & ACCESSORIES	-	2,845	9,984	3,765	13,438	7,833	42,459	-	-24.45	-25.70	-	-63.68	-76.49			
	19.4 OTHERS	-	243	853	325	1,161	458	2,482	-	-25.28	-26.53	-	-46.90	-65.63			
	20. AIRCRAFTS, SHIPS AND BOATS	-	1	4	121	431	16,376	88,767	-	-98.98	-99.07	-	-99.99	-100.00			
	21. OTHERS TRANSPORT EQUIPMENTS	-	122	428	1,536	5,483	213	1,154	-	-92.05	-92.19	-	-42.64	-62.91			

P.T.O.

STATEMENT SHOWING IMPORTS OF SELECTED COMMODITIES DURING THE MONTH OF APRIL, 2023

VALUE = (RUPEES IN MILLION)
(U.S DOLLARS IN THOUSAND)

SL. NO.	COMMODITIES	UNIT	APRIL, 2023 (R)						MARCH, 2023 (R)						APRIL, 2022						% CHANGE IN APRIL, 2023 OVER					
			QUANTITY	VALUE		QUANTITY	VALUE		QUANTITY	VALUE		MARCH, 2023			APRIL, 2022											
				RUPEES	DOLLARS		RUPEES	DOLLARS		RUPEES	DOLLARS	VALUE		QUANTITY	VALUE											
												RUPEES	DOLLARS		RUPEES	DOLLARS	RUPEES	DOLLARS								
D.	PETROLEUM GROUP	-		254,020	891,468			338,046	1,206,434			410,197	2,223,515			-	-24.86	-26.11	-	-38.07	-59.91					
	22. PETROLEUM PRODUCTS	MT	474,838	89,071	312,588	740,918	135,625	484,024	1,596,811	232,765	1,261,724	1,596,811	232,765	1,261,724	-35.91	-34.33	-35.42	-70.26	-61.73	-75.23						
	23. PETROLEUM CRUDE	MT	493,533	78,928	276,995	630,840	105,668	377,113	748,023	98,427	533,536	748,023	98,427	533,536	-21.77	-25.31	-26.55	-34.02	-19.81	-48.08						
	24. NATURAL GAS, LIQUIFIED	-		73,700	258,645			84,442	301,361			71,072	385,252			-12.72	-14.17	-	3.70	-32.86						
	25. PETROLEUM GAS, LIQUIFIED	-		12,311	43,203			12,310	43,931			7,932	42,998			0.01	-1.66	-	55.20	0.48						
	26. OTHERS	-		10	37			1	5			1	4			720.94	640.00	-	1173.62	731.27						
E.	TEXTILE GROUP	-		68,490	240,361			74,905	267,325			79,545	431,183			-	-8.56	-10.09	-	-13.90	-44.26					
	27. RAW COTTON	MT	48,981	33,683	118,210	64,327	41,737	148,951	81,783	38,533	208,871	81,783	38,533	208,871	-23.86	-19.29	-20.64	-40.11	-12.58	-43.41						
	28. SYNTHETIC FIBRE	MT	19,758	9,154	32,125	17,831	7,940	28,335	32,180	13,009	70,515	32,180	13,009	70,515	10.81	15.29	13.38	-38.60	-29.63	-54.44						
	29. SYNTHETIC & ARTIFICIAL SILK YARN	MT	22,157	11,146	39,115	17,548	8,923	31,844	20,244	12,937	70,124	20,244	12,937	70,124	26.26	24.91	22.83	9.45	-13.84	-44.22						
	30. WORN CLOTHING	MT	53,006	6,581	23,094	67,297	7,978	28,472	58,900	5,814	31,513	58,900	5,814	31,513	-21.23	-17.52	-18.89	-10.01	13.19	-26.72						
	31. OTHR TEXTILE ITEMS	-		7,926	27,817			8,329	29,723			9,254	50,160			-4.83	-6.41	-	-14.34	-44.54						
F.	AGRICULTURAL AND OTHER CHEMICALS GROUP	-		140,662	493,645			174,404	622,422			187,629	1,017,063			-	-19.35	-20.69	-	-25.03	-51.46					
	32. FERTILIZER MANUFACTURED	MT	8,602	1,478	5,186	34,753	6,688	23,870	34,636	6,096	33,044	34,636	6,096	33,044	-75.25	-77.91	-78.27	-75.17	-75.76	-84.31						
	33. INSECTICIDES	MT	2,359	5,333	18,714	3,213	5,814	20,749	3,130	3,595	19,486	3,130	3,595	19,486	-26.59	-8.28	-9.81	-24.64	48.34	-3.96						
	34. PLASTIC MATERIALS	MT	95,488	36,918	129,563	111,165	40,722	145,332	167,618	51,665	280,053	167,618	51,665	280,053	-14.10	-9.34	-10.85	-43.03	-28.54	-53.74						
	35. MEDICINAL PRODUCTS	MT	1,780	20,304	71,256	3,229	37,612	134,232	3,159	25,157	136,365	3,159	25,157	136,365	-44.88	-46.02	-46.92	-43.65	-19.29	-47.75						
	36. OTHERS	-		76,629	268,926			83,567	298,239			101,117	548,115			-	-8.30	-9.83	-	-24.22	-50.94					
G.	METAL GROUP	-		60,347	211,783			76,182	271,883			87,337	473,418			-	-20.79	-22.11	-	-30.90	-55.27					
	37. GOLD	KG	8	153	537	42	723	2,580		467	2,532		467	2,532	-80.95	-78.82	-79.19	-78.95	-67.23	-78.79						
	38. IRON AND STEEL SCRAP	MT	86,982	14,487	50,842	136,384	21,750	77,622	314,518	32,751	177,530	314,518	32,751	177,530	-36.22	-33.39	-34.50	-72.34	-55.77	-71.36						
	39. IRON AND STEEL	MT	116,059	26,249	92,118	159,898	33,429	119,304	218,774	35,156	190,569	218,774	35,156	190,569	-27.42	-21.48	-22.79	-46.95	-25.34	-51.66						
	40. ALUMINIUM WROUGHT & WORKED	-		4,786	16,795			4,058	14,482			4,825	26,156			-	17.93	15.97	-	-0.82	-35.79					
	41. ALL OTHER METALS & ARTICALS	-		14,672	51,491			16,222	57,895			14,137	76,630			-	-9.55	-11.06	-	3.79	-32.81					
H.	MISCELLANEOUS GROUP	-		14,318	50,247			16,361	58,391			16,210	87,866			-	-12.49	-13.95	-	-11.67	-42.81					
	42. RUBBER CRUDE INCL. SYNTH/RECLAIMED	MT	26,967	4,573	16,050	22,704	4,014	14,325	31,517	4,191	22,719	31,517	4,191	22,719	18.77	13.93	12.04	-14.44	9.11	-29.35						
	43. RUBBER TYRES & TUBES	NO	147,811	588	2,064	109,454	1,046	3,733	222,615	2,020	10,951	222,615	2,020	10,951	35.04	-43.76	-44.71	-33.60	-70.89	-81.15						
	44. WOOD & CORK	-		404	1,419			1,042	3,720			2,543	13,784			-	-61.19	-61.85	-	-84.09	-89.71					
	45. JUTE	MT	6,581	1,361	4,776	11,248	2,265	8,084	2,053	397	2,153	2,053	397	2,153	-41.49	-39.92	-40.92	220.57	242.60	121.81						
	46. PAPER & PAPER BOARD & MANUF.THEREOF	MT	19,306	7,391	25,938	26,426	7,994	28,529	34,618	7,058	38,258	34,618	7,058	38,258	-26.94	-7.54	-9.08	-44.23	4.72	-32.20						
	ALL OTHERS ITEMS			75,658	265,522			86,503	308,717			93,520	506,934			-	-12.54	-13.99	-	-19.10	-47.62					

RUPEE VALUE CONVERTED INTO US DOLLAR ON THE BASIS OF MONTHLY BANKS' FLOATING AVERAGE EXCHANGE RATE PROVIDED BY SBP. APRIL, 2023 (1\$=Rs.284.945659) , MARCH, 2023 (1\$=Rs.280.202479) AND APRIL, 2022 (1\$=Rs.184.481334).

(**) QUANTITY DATA HAS BEEN ESTIMATED WHERE EVER IT IS FOUND NECESSARY.

NOTE:- SOME DIFFERENCE MAY OCCUR IN PERCENTAGE CHANGE WITH RESPECT TO RUPEES & DOLLARS.

STATEMENT SHOWING IMPORTS OF SELECTED COMMODITIES DURING THE PERIOD JULY - APRIL, 2022 - 2023

SL. NO.	COMMODITIES	UNIT	VALUE = (RUPEES IN MILLION)						(U.S DOLLARS IN THOUSAND)		
			JULY - APRIL, 2022 - 2023			JULY - APRIL, 2021 - 2022			% CHANGE IN JULY - APRIL, 2022 - 2023		
			QUANTITY	VALUE		QUANTITY	VALUE		QUANTITY	VALUE	
				RUPEES	DOLLARS		RUPEES	DOLLARS		RUPEES	DOLLARS
GRAND TOTAL			11,091,956	46,881,971	11,346,116	65,519,443	-2.24	-28.45			
A.	FOOD GROUP	-	1,838,768	7,762,860	1,339,029	7,747,999	-	37.32	0.19		
	1. MILK, CREAM & MILK FOOD FOR INFANTS	MT	37,354	30,445	127,827	39,602	23,376	134,545	-5.68	30.24	-4.99
	2. WHEAT UNMILLED	MT	2,678,298	251,610	1,053,296	2,206,880	138,511	795,286	21.36	81.65	32.44
	3. DRY FRUITS & NUTS	MT	45,187	7,610	32,114	83,701	10,137	58,180	-46.01	-24.93	-44.80
	4. TEA	MT	188,631	110,448	467,640	216,182	92,244	532,390	-12.74	19.73	-12.16
	5. SPICES	MT	123,858	30,545	127,631	119,930	32,352	188,485	3.28	-5.58	-32.29
	6. SOYABEAN OIL	MT	180,370	61,125	256,912	94,080	22,092	126,013	91.72	176.68	103.88
	7. PALM OIL	MT	2,553,717	730,607	3,097,324	2,515,802	537,066	3,098,401	1.51	36.04	-0.03
	8. SUGAR	MT	5,336	1,096	4,664	311,914	32,282	191,279	-98.29	-96.60	-97.56
	9. PULSES (LEGUMINOUS VEGETABLES)	MT	1,144,402	195,635	818,548	783,634	89,072	520,564	46.04	119.64	57.24
	10. ALL OTHERS FOOD ITEMS	-	419,648	1,776,904	361,898	2,102,855	-	15.96	-	15.96	-15.50
B.	MACHINERY GROUP	-	1,145,921	4,849,301	1,652,142	9,552,145	-	-30.64	-49.23		
	11. POWER GENERATING MACHINERY	-	100,993	428,853	225,094	1,315,481	-	-55.13	-67.40		
	12. OFFICE MACHINE INCL. DATA PROC. EQUIP;	-	65,337	272,483	87,841	506,890	-	-25.62	-46.24		
	13. TEXTILE MACHINERY	-	70,278	302,435	116,664	676,953	-	-39.76	-55.32		
	14. CONSTRUCTION & MINING MACHINERY	-	17,678	73,718	26,589	152,987	-	-33.51	-51.81		
	15. ELECTRICAL MACHINERY & APPARATUS	-	324,652	1,365,461	286,214	1,655,666	-	13.43	-17.53		
	16. TELE COM	-	181,725	779,413	419,468	2,413,769	-	-56.68	-67.71		
	A. MOBILE PHONE	-	109,158	473,287	314,276	1,809,219	-	-65.27	-73.84		
	B. OTHER APPARATUS	-	72,566	306,126	105,192	604,549	-	-31.02	-49.36		
	17. AGRICULTURAL MACHINERY & IMPLEMENTS	-	8,344	34,682	17,139	99,215	-	-51.32	-65.04		
	18. OTHER MACHINERY	-	376,913	1,592,256	473,134	2,731,185	-	-20.34	-41.70		
C.	TRANSPORT GROUP	-	373,005	1,597,944	646,220	3,732,574	-	-42.28	-57.19		
	19. ROAD MOTOR VEH. (BUILD UNIT, CKD/SKD)	-	331,289	1,416,784	536,933	3,101,189	-	-38.30	-54.31		
	19.1 CBU	-	36,544	157,295	91,170	527,879	-	-59.92	-70.20		
	A. BUSES, TRUCKS & OTH. HEAVY VEHICLES	-	22,741	99,177	45,222	260,592	-	-49.71	-61.94		
	B. MOTOR CARS	-	13,479	56,737	45,288	263,452	-	-70.24	-78.46		
	C. MOTOR CYCLES	-	323	1,382	659	3,834	-	-50.99	-63.95		
	19.2 CKD/SKD	-	230,380	983,522	351,200	2,027,094	-	-34.40	-51.48		
	A. BUSES, TRUCKS & OTH. HEAVY VEHICLES	-	62,331	265,269	96,599	558,047	-	-35.47	-52.46		
	B. MOTOR CARS	-	159,603	681,767	243,042	1,402,382	-	-34.33	-51.39		
	C. MOTOR CYCLES	-	8,446	36,486	11,559	66,665	-	-26.93	-45.27		
	19.3 PARTS & ACCESSORIES	-	59,495	255,004	79,518	458,937	-	-25.18	-44.44		
	19.4 OTHERS	-	4,870	20,963	15,045	87,278	-	-67.63	-75.98		
	20. AIRCRAFTS, SHIPS AND BOATS	-	29,946	130,051	107,598	621,647	-	-72.17	-79.08		
	21. OTHERS TRANSPORT EQUIPMENTS	-	11,770	51,108	1,690	9,739	-	596.66	424.80		

P.T.O

STATEMENT SHOWING IMPORTS OF SELECTED COMMODITIES DURING THE PERIOD JULY - APRIL, 2022 - 2023

SL. NO.	COMMODITIES	UNIT	VALUE = (RUPEES IN MILLION)								
			JULY - APRIL, 2022 - 2023			JULY - APRIL, 2021 - 2022			U.S DOLLARS IN THOUSAND)		
			QUANTITY	VALUE		QUANTITY	VALUE		QUANTITY	VALUE	
				RUPEES	DOLLARS		RUPEES	DOLLARS		RUPEES	DOLLARS
D.	PETROLEUM GROUP	-	3,311,979	13,974,610		2,957,361	17,033,574	-	11.99	-17.96	
	22. PETROLEUM PRODUCTS	MT	8,750,323	1,446,612	6,149,117	14,154,127	1,486,955	8,549,224	-38.18	-2.71	-28.07
	23. PETROLEUM CRUDE	MT	6,294,944	982,221	4,137,726	7,395,189	731,953	4,221,208	-14.88	34.19	-1.98
	24. NATURAL GAS, LIQUIFIED	-		745,911	3,110,836		641,675	3,705,959		16.24	-16.06
	25. PETROLEUM GAS, LIQUIFIED	-		137,162	576,618		96,739	556,962		41.79	3.53
	26. OTHERS	-		73	313		39	222		87.49	41.28
E.	TEXTILE GROUP	-		771,934	3,253,313		680,364	3,931,906	-	13.46	-17.26
	27. RAW COTTON	MT	616,412	363,239	1,520,582	617,842	246,246	1,414,345	-0.23	47.51	7.51
	28. SYNTHETIC FIBRE	MT	181,379	92,099	389,942	322,803	108,810	632,805	-43.81	-15.36	-38.38
	29. SYNTHETIC & ARTIFICIAL SILK YARN	MT	188,654	115,205	487,262	301,595	124,538	720,343	-37.45	-7.49	-32.36
	30. WORN CLOTHING	MT	616,903	73,913	311,270	822,965	64,603	373,224	-25.04	14.41	-16.60
	31. OTHR TEXTILE ITEMS	-		127,479	544,256		136,167	791,188	-	-6.38	-31.21
F.	AGRICULTURAL AND OTHER CHEMICALS GROUP	-		1,768,085	7,488,133		2,097,042	12,118,452	-	-15.69	-38.21
	32. FERTILIZER MANUFACTURED	MT	795,369	123,460	541,315	1,155,158	120,856	708,242	-31.15	2.15	-23.57
	33. INSECTICIDES	MT	29,705	40,022	166,152	27,742	26,983	155,204	7.07	48.32	7.05
	34. PLASTIC MATERIALS	MT	1,321,893	446,950	1,895,551	1,621,353	451,443	2,604,903	-18.47	-1.00	-27.23
	35. MEDICINAL PRODUCTS	MT	28,165	274,778	1,149,799	46,158	667,454	3,869,673	-38.98	-58.83	-70.29
	36. OTHERS	-		882,875	3,735,316		830,306	4,780,429	-	6.33	-21.86
G.	METAL GROUP	-		838,376	3,554,729		949,007	5,484,987	-	-11.66	-35.19
	37. GOLD	KG	385	5,688	23,956	288	3,133	18,007	33.68	81.56	33.04
	38. IRON AND STEEL SCRAP	MT	1,883,681	240,363	1,023,212	3,444,571	352,908	2,033,671	-45.31	-31.89	-49.69
	39. IRON AND STEEL	MT	1,860,159	374,138	1,584,755	3,029,317	410,490	2,377,226	-38.59	-8.86	-33.34
	40. ALUMINIUM WROUGHT & WORKED	-		46,204	195,614		35,749	205,568	-	29.24	-4.84
	41. ALL OTHER METALS & ARTICALS	-		171,984	727,191		146,727	850,516	-	17.21	-14.50
H.	MISCELLANEOUS GROUP	-		175,778	744,676		173,046	999,809	-	1.58	-25.52
	42. RUBBER CRUDE INCL. SYNTH/RECLAIMED	MT	289,250	40,384	169,720	324,629	36,501	210,344	-10.90	10.64	-19.31
	43. RUBBER TYRES & TUBES	NO	2,622,968	19,589	85,027	4,712,868	35,387	205,708	-44.34	-44.64	-58.67
	44. WOOD & CORK	-		17,553	74,621		20,637	118,589	-	-14.94	-37.08
	45. JUTE	MT	57,530	12,229	50,956	52,399	8,955	51,514	9.79	36.56	-1.08
	46. PAPER & PAPER BOARD & MANUF.THEREOF	MT	309,184	86,023	364,351	375,981	71,566	413,654	-17.77	20.20	-11.92
	ALL OTHERS ITEMS			868,109	3,656,406		851,904	4,917,997	-	1.90	-25.65

(**)QUANTITY DATA HAS BEEN ESTIMATED WHERE EVER IT IS FOUND NECESSARY.