



PROCUREMENT PLAN

2022 - 2024



PROCUREMENT PLAN

2022 - 2024

FOR

CRUDE OIL

&

PETROLEUM PRODUCTS

PREPARED & PRESENTED BY COMMERCIAL FUNCTION



CONTENTS

1.Executive Summery.....	1
1.1 Total Estimated Funds Requirement for 2022 - 2024 Imports.....	1
1.2 Crude Oil Import Plan for 2022 - 2024.....	1
1.3 Refined Petroleum Products Import Requirement for 2022 - 2024.....	2
1.4 Forecasted Aviation Gasoline Demand for 2022 - 2024.....	3
2. Term Tender Allocation.....	3
2.1 Balance Cargos to be imported in 2022 through Term Contracts scheduled during 2022 - 2024.....	3
2.2 Crude oil and Refined Products Purchase Plan 2022-2024.....	3
4. Appendixes.....	6

1. Executive Summary

1.1. Total Estimated Funds Requirement for 2022 -2024 Imports

Year	Crude Cost (USD Million)	Cost of Refined Products (USD Million)	Total Import Cost of Crude oil & Refined Products (USD Million)
2021	1004	2, 101	3, 105
2022	912	2, 421	3, 333
2023	811	3, 010	3, 822

1.2. Crude Oil Import Plan for 2022-2024

Year	Crude Type	Required Quantity (MT)	Estimated Shipments	Estimated Delivery
2022	Murban Crude and Other Crude	1, 855, 000	20	02 Shipments per month
2022	Murban Crude and Other Crude	1, 855, 000	20	02 Shipments per month
2023	Murban Crude and Other Crude	1, 669, 500	18	02 Shipments per month

1.3 Refined Petroleum Products Import Requirement for 2022-2024

Year		Gasoline 92 Octane	Gasoline 95 Octane	(Super) Gas Oil 10 ppm	(Auto) Gas oil 500 ppm (With CEB)*	Jet/Kero	Fuel Oil*	Bitumen
2022	Forecasted Demand	1,260,190	134,640	73,080	1,779,253	560,694	1,033,000	42,250
	Forecasted Refinery production	187,790	-	-	608,253	333,900	485,100	39,550
	Total Quantity to be imported	1,072,400	134,640	73,080	1,171,000	226,794	547,900	2,700
2023	Forecasted Demand	1,398,775	151,023	92,451	2,207,139	671,176	1,033,000	42,250
	Forecasted Refinery production	187,790	-	-	608,253	333,900	485,100	39,550
	Total Quantity to be imported	1,210,985	151,023	92,451	1,598,886	337,276	547,900	2,700
2024	Forecasted Demand	1,525,858	163,983	104,723	2,390,860	769,817	1,033,000	42,250
	Forecasted Refinery production	168,889	-	-	568,544	300,510	436,590	25,088
	Total Quantity to be imported	1,356,969	163,983	104,723	1,822,316	739,767	596,410	17,162

Units in MT

* With CEB Forecasted Demand & Local Consumers' Annual Requirement

Source: Based on the Forecasted data

1.4 Forecasted Aviation Gasoline, Bitumen & Lubricant Demand for 2022-2024

Year	Aviation Gasoline (MT)
2021	243
2022	243
2023	243

Source: Based on the Commercial Function data

2. Term Tender Allocation

2.1. 2.1 Balance Cargos to be imported in 2022 through Term Contracts scheduled during 2022-2024

Year	No	Term Contract Reference No.	Name of the Supplier	Total Shipments Planned under the contract	Total Shipments Allocated for next year
2022	1	BK/TERM/GAS OIL (0.05% M.S.)/GAS OIL (0.001%M.S.)/DTB-MUTHU/2021-2022	Petrochina International (Singapore) Pte Ltd.	5	1
	2	BK/TERM/GASOLINE (92 UNL) /DTB-MUTHU/2021-2022	Vitol Asia Pte Ltd., Singapore	11	02
	3	BK/TERM/GASOLINE (92 - 95 UNL)/ DTB-MUTHU/2021 - 2022	Petrochina International (Singapore) Pte Ltd	06	02
	4	BK/TERM/GASOLINE (92 - 95 UNL)/ DTB-MUTHU/2021 - 2022 - A	Vitol Asia Pte Ltd., Singapore	06	06
	5	BK/TERM/GAS OIL (0.05% M.S.)/GAS OIL (0.001%M.S.)/DTB-MUTHU/2021-2022 - A	Vitol Asia Pte Ltd., Singapore	05	05
2023	Forecasted total import quantities are to be imported through Term contracts. Term contracts are to be scheduled after a standard forecast.				
2024	Forecasted total import quantities are to be imported through Term contracts. Term contracts are to be scheduled after a standard forecast.				

Source: Based on the Commercial Function Data

2.2 Crude oil and Refined Products Purchase Plan 2022-2024

At the CPC Refinery, Crude Oil is processed and refined into petroleum products mainly Gasoline (92 UNL), Kerosene/ JET A-1, Diesel and Naptha. As Refinery output is not sufficient to cater the country demand. Therefore, CPC has to import Refined Petroleum Products to cover the total demand of Sri Lanka. The following table illustrates the Crude oil purchase plan for the period of 2022-2024 with the current status of procurement preparedness activities. Gasoline (95 UNL) and Gasoline 10 PPM are not presently produced at Sapugaskanda Refinery due to the absence of required infrastructure and facilities.

Year	Crude Type	Required Quantity (MT)	Already Confirmed Quantity (MT)	Balance Quantity to be Purchased (MT)
2022	Murban Crude and other Crude	1, 855, 000	360, 000	1, 495, 000
	Estimated No. of Shipments	20	4	16
2023	Murban Crude and other Crude	1, 855, 000	Not Confirmed	Not Confirmed
	Estimated No. of Shipments	20	Not Confirmed	Not Confirmed
2024	Murban Crude and other Crude	1, 669, 500	Not Confirmed	Not Confirmed
	Estimated No. of Shipments	18	Not Confirmed	Not Confirmed

Throughput per day: 5,500 MT

Most feasible parcel size is 90,000 MT

Source: Based on the data given from the Refinery

Appendix i: Cost Estimation of Crude Oil and Petroleum Products – 2022

	Gasoline 92 Octane (MT)	Gasoline 95 Octane (MT)	Gas Oil 10 ppm (MT)	Gas oil 500 ppm (with CEB) (MT)	Jet / Kero (MT)	Fuel Oil (MT)	Crude Oil (MT)	Av Gas (MT)	Bitumen (MT)
Forecasted Demand	1,260,190	134, 640	73, 080	1, 779, 253	560, 694	1, 033, 000	1, 855, 000	243	42,250
Stocks as at 31st December 2020	50,000	6,000	7,000	150,000	43,000	-	-	-	-
Forecasted Ref. Production	187, 790	-	-	608, 253	333, 900	485, 100	-	-	39, 550
Forecasted Qty. To be Imported in MT	1, 072, 400	134, 640	73, 080	1, 171, 000	226, 794	547, 900	1, 855, 000	243	2,700
Forecasted Qty. to be Imported in BBL	9, 115, 400	1, 144, 440	548, 100	8, 782, 500	1, 814, 352	-	14, 098, 000	-	-
Estimated DAP Value per BBL(US\$)	83.16	84.22	89.20	86.90	88.95	499.36	71.19		
Value of Imports (US\$/Mn)	758.01	96.39	48.90	763.20	158.40	273.60	1003.64		
Total Estimated Value of Refined Products Imports (US\$/Mn) (with CEB requirement)									2, 098
Total Estimated Value of Refined Products+ Crude Oil Imports + Av Gas + Bitumen (US\$/Mn)* (with CEB requirement)									3, 102

Source: Based on the calculated data

Appendix ii: Cost Estimation of Crude Oil and Petroleum Products - 2023

	Gasoline 92 RON (MT)	Gasoline 95 RON (MT)	Gas Oil 10 ppm (MT)	Gas oil 500 ppm (with CEB) (MT)	Jet / Kero (MT)	Fuel Oil (MT)	Crude Oil (MT)	Av Gas (MT)	Bitumen (MT)
Forecasted Demand	1, 398, 775	151,023	92,451	2, 207, 139	671,176	1, 033, 000	1, 855, 000	243	42,250
Stocks as at 31st December 2020	50,000	6,000	7,000	150,000	43,000	-	-	-	-
Forecasted Ref. Production	187, 790	-	-	608, 253	333, 900	485, 100	-	-	39, 550
Forecasted Qty. To be Imported in MT	1, 210, 985	151,023	92,451	1, 598, 886	337, 276	547, 900	1, 855, 000	243	2,700
Forecasted Qty. to be Imported in BBL	10, 293, 372.5	1, 283, 695.5	693, 382.5	11, 991, 645	2, 698, 208		14, 098, 000		
Estimated DAP Value per BBL(US\$)	77.14	78.49	84.12	81.77	84.28	474.40	64.67		
Value of Imports (US\$/Mn)	794.03	100.76	58.33	980.56	227.40	259.92	911.72		
Total Estimated Value of Refined Products Imports (US\$/Mn) (with CEB requirement)									2, 421
Total Estimated Value of Refined Products+ Crude Oil Imports + Av Gas + Bitumen (US\$/Mn)* (with CEB requirement)									3, 333

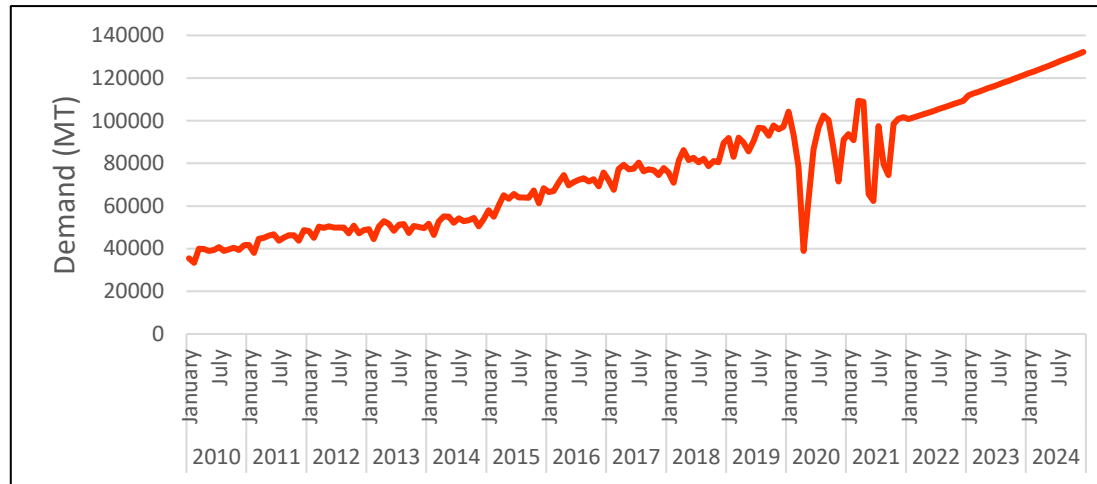
Source: Based on the calculated data

Appendix iii: Cost Estimation of Crude Oil and Petroleum Products - 2024

	Gasoline 92 RON (MT)	Gasoline 95 RON (MT)	Gas Oil 10 ppm (MT)	Gas oil 500 ppm (with CEB) (MT)	Jet / Kero (MT)	Fuel Oil (MT)	Crude Oil (MT)	Av Gas (MT)	Bitumen (MT)
Forecasted Demand	1, 525, 858	163,983	104, 723	2, 390, 860	769,817	1, 033, 000	1, 669, 500	243	42, 250
Stocks as at 31st December 2020	50,000	6,000	7,000	150,000	43,000	-	-	-	-
Forecasted Ref. Production	168, 889	-	-	568, 544	300, 510	436, 590	-	-	25, 088
Forecasted Qty. To be Imported in MT	1, 356, 969	163,983	104, 723	1, 822, 316	739, 767	596, 410	1, 669, 500	243	17, 162
Forecasted Qty. to be Imported in BBL	11, 534, 236.5	1, 393, 855.5	785, 422.5	13, 667, 370	59, 181, 136		12, 688, 200		
Estimated DAP Value per BBL(US\$)	78.82	80.15	85.19	82.87	85.19	478.78	63.95		
Value of Imports (US\$/Mn)	909.13	111.72	66.91	1, 132.61	504.17	285.55	811.41		
Total Estimated Value of Refined Products Imports (US\$/Mn) (with CEB requirement)									3, 010
Total Estimated Value of Refined Products+ Crude Oil Imports + Av Gas + Bitumen (US\$/Mn)* (with CEB requirement)									3, 822

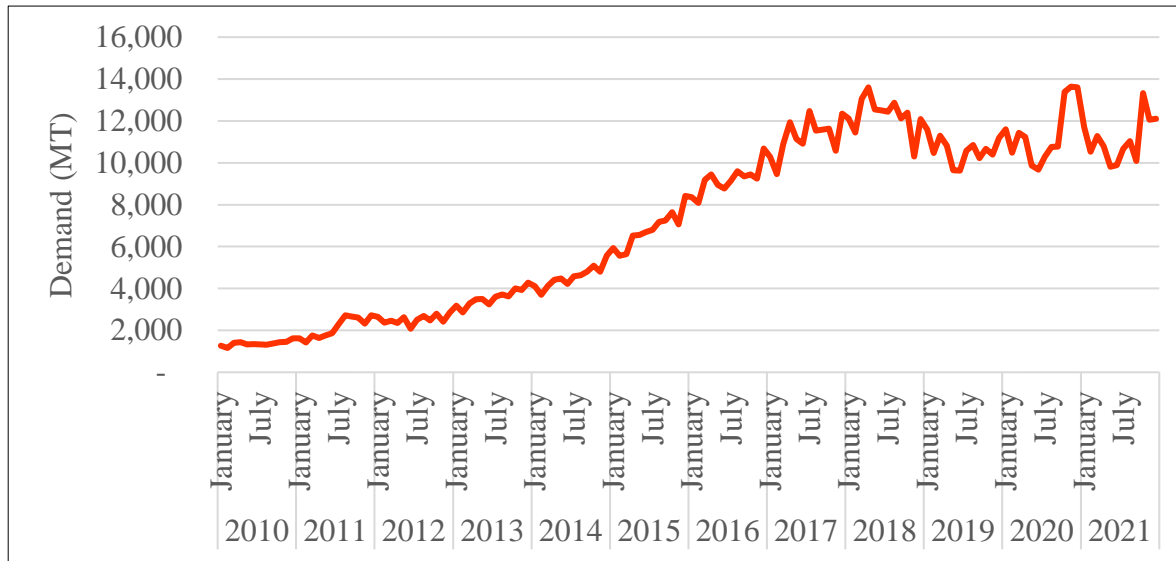
Source: Based on the calculated data

Appendix iv: Graphical Representation of Gasoline 92 UNL Demand.



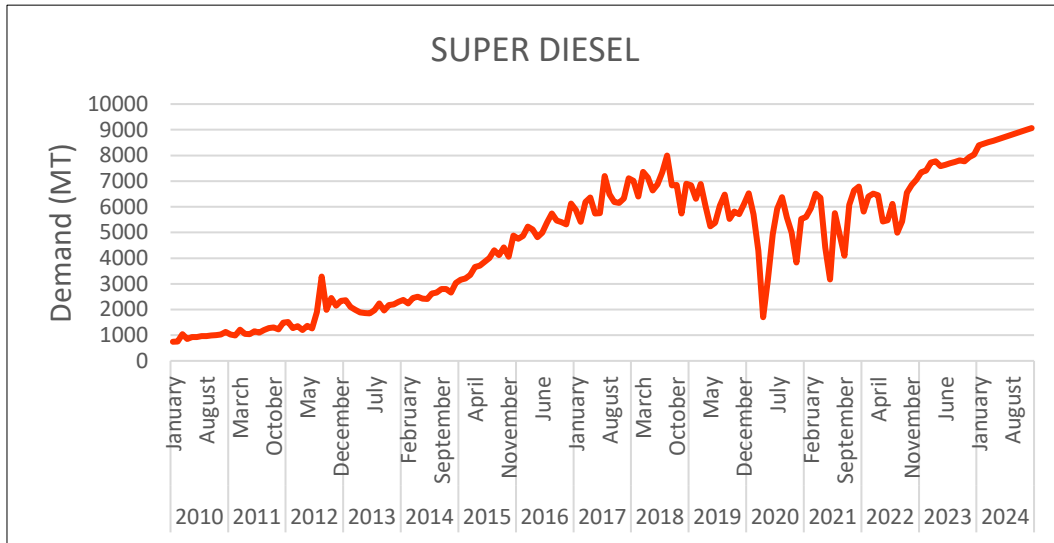
	2018	2019	2020	2021	2022	2023	2024
January	75764.61948	91878.99782	104196.8487	93751.142	100726.5834	111938.2634	122170.4
February	70923.25944	83036.7175	93161.78008	90898.126	101489.9685	112761.9295	123058.1
March	81318.7155	92038.40959	78337.5075	109276.374	102258.2431	113590.7822	123951.2
April	86236.82826	89775.23602	38978.03338	108940.093	103031.431	114424.8476	124850
May	81524.56554	85629.99274	62449.54758	65580.609	103809.556	115264.1518	125754.3
June	82552.2258	90508.9833	86690.82489	62401.183	104592.6422	116108.7214	126664.2
July	80542.1496	96771.73566	97033.14425	97544.201	105380.7139	116958.5829	127579.7
August	82188.23118	96363.11547	102495.173	79408.447	106173.7956	117813.7631	128500.8
September	78778.7319	89689.71678	100382.64	74458.516	106971.912	118674.2892	129427.7
October	81095.78794	93073.72773	87333.186	98542.922	107775.0878	119540.1883	130360.3
November	80477.18954	93793.11195	71518.481	100937.4275	108583.3481	120411.488	131298.6
December	89520.17429	94517.42035	91226.467	101691.1041	109396.7182	121288.2159	132242.7
	970922.4785	1097077.165	1013803.633	1083430.145	1260190	1398775.223	1525858

Appendix v: Graphical Representation of Gasoline 95 UNL Demand



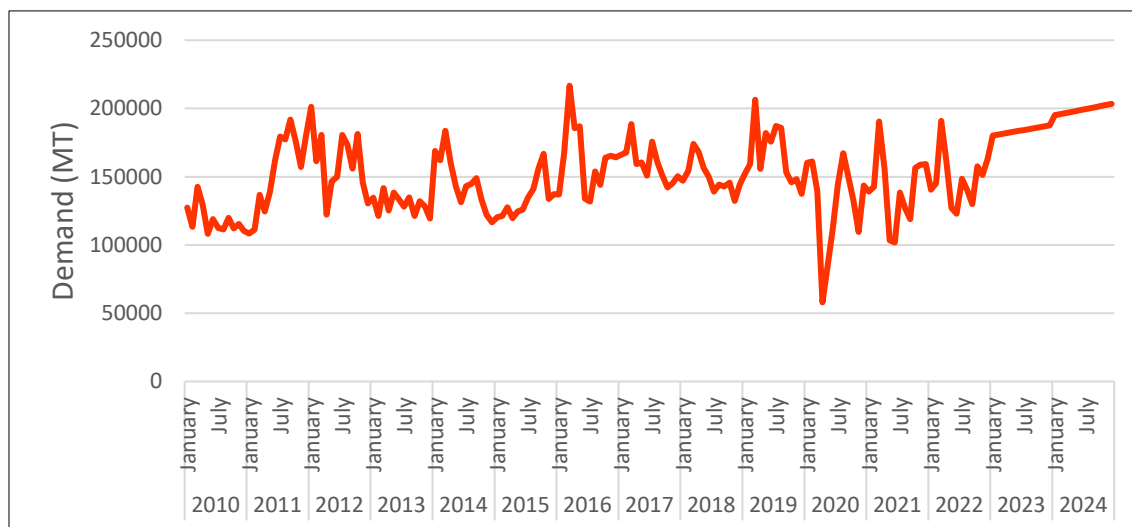
	2018	2019	2020	2021	2022	2023	2024
January	12121.56863	11589.54248	11482.548	9357.534	10973.735	12254.08	13393.518
February	11450.54466	10463.18083	10156.4925	9176.712	11020.039	12296.94	13432.448
March	13056.20915	11287.5817	8472.849	11492.237	11651.584	12589.322	13720.882
April	13597.82135	10822.65795	2652.111	11447.032	12282.669	12631.228	13758.822
May	12548.14815	9643.572985	5180.0595	6173.059	11156.195	12672.658	13796.268
June	12495.42484	9624.400871	8701.308	4500.457	10029.262	12463.612	13583.219
July	12442.70153	10568.64924	10280.655	8594.064	11244.674	12504.09	13619.677
August	12869.28105	10856.20915	10764.56	7182.648	11288.228	12544.093	13655.641
September	12111.98257	9864.05955	10773.973	5319.178	10159.923	12583.621	13691.113
October	12399.56427	13145.399	8352.968	9488.543	11373.965	12622.675	13676.092
November	10298.2716	13269.3185	5916.895	10051.14805	11416.149	12911.255	13810.578
December	12094.6841	13393.44	9201.826	11098.37228	12043.578	12949.362	13844.573

Appendix vi: Graphical Representation of Super Diesel Demand



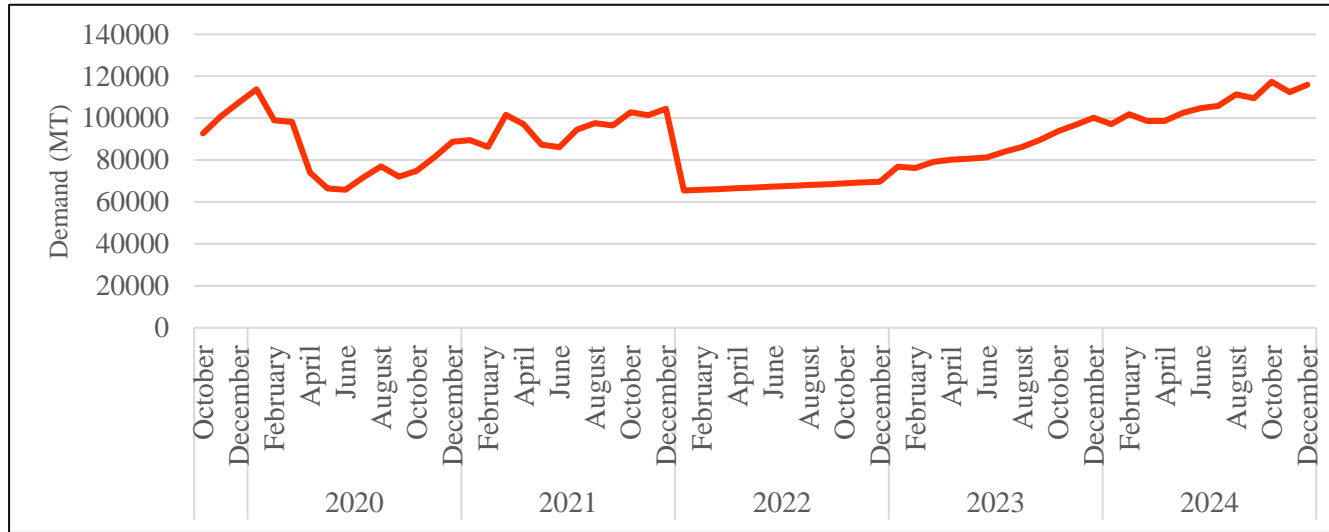
	2018	2019	2020	2021	2022	2023	2024
January	7007.6295	6834.7293	6519.954	5606.308	5807.7429	7352.355	8394.9238
February	6399.6516	6315.4822	5705.4984	5935.533	6402.5177	7408.694	8454.3381
March	7364.7684	6890.7783	4291.1904	6510.66	6516.4835	7715.273	8514.0279
April	7130.4687	6025.5922	1696.464	6354.315	6450.6425	7772.096	8573.9961
May	6638.9004	5243.1472	3187.8	4422.335	5428.8008	7579.165	8634.246
June	6878.9952	5371.5736	4928.616	3165.99	5478.3529	7636.483	8694.7806
July	7348.0176	6044.6277	5926.536	5746.193	6113.7029	7694.053	8755.6031
August	7991.8828	6477.1574	6370.809	4919.289	4992.461	7751.878	8816.7167
September	6840.1215	5567.2589	5583.54	4098.477	5428.2177	7809.96	8878.1247
October	6845.8545	7425.4726	4991.878	6069.543	6551.9804	7768.303	8939.8303
November	5740.3892	7494.5271	3836.041	6637.4332	6852.3542	7926.909	9001.8369
December	6898.2318	7563.705	5522.335	6790.6725	7057.1405	8035.782	9064.1476

Appendix vii: Graphical Representation of Auto Diesel Demand



	2018	2019	2020	2021	2022	2023	2024
January	147108.81	152341.6667	160140	139062	140632	180158	195133
February	154256.17	159,277	161057	142570	145281	180831	195867
March	174133.39	206366.9882	139438	190479	190876	181508	196604
April	168137.69	155770.0931	57949	155814	161590	182188	197346
May	156534.29	181950.9729	84413	103549	127250	182873	198091
June	149829.76	175782.7411	111457	101723	122973	183561	198840
July	139187.54	187151.7597	144037	138528	148583	184252	199592
August	144363.05	185717.5719	167374	127061	140255	184948	200349
September	142758.9	154299.0355	149904	119001	129930	185647	201109
October	145780.4	163740.8279	132304	156438	157610	186350	201874
November	132268.23	164021.7026	109562	158725	151293	187057	202642
December	144581.93	164302.8102	143655	159400	162981	187767	203414

Appendix viii: Graphical Representation of Jet/ Kero



	2019	2020	2021	2022	2023	2024
January		11379.92	89572	65475	76773	97186
February		98931.45	86335	65845	76266	101868
March		98230.93	101511	66216	79157	98665
April		74064.20	97184	66590	80258	98606
May		66475.02	87437	66967	80649	102542
June		65786.88	86111	67345	81321	104853
July		71809.15	94551	67727	83978	105836
August		76988.27	97649	68110	86285	111322
September		72137.59	96507	68497	89739	109499
October	92712.57368	74857.53	102823	68885	93864	117397
November	100834.4809	81362.79	101492	69276	96836	112404
December	107408.2769	88710.00	104491	69670	100257	115872

