



Sri Lanka Fuel Price Analysis

A confidential
property of
Advocata Institute

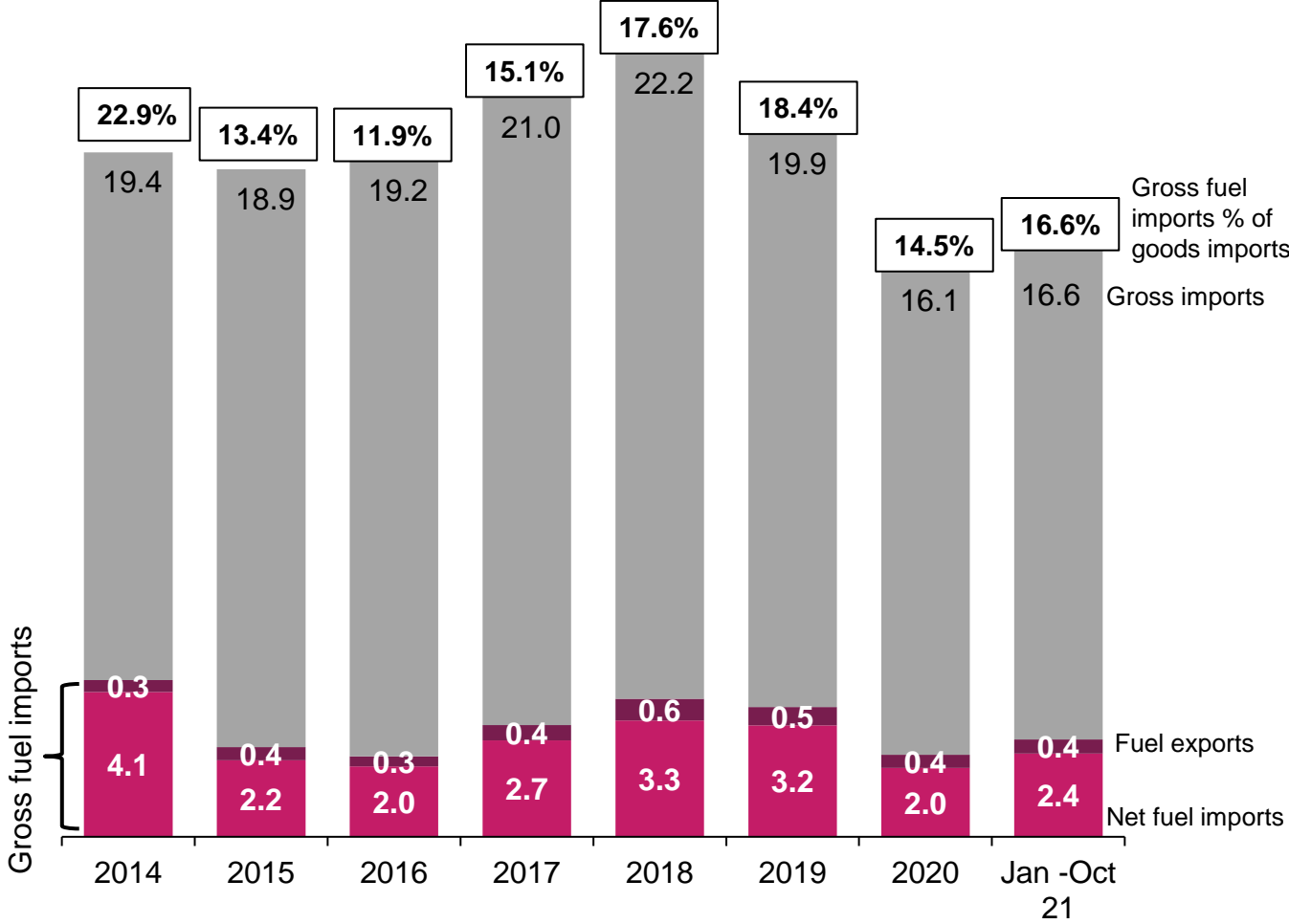
Date 24/12/2021

www.advocata.org

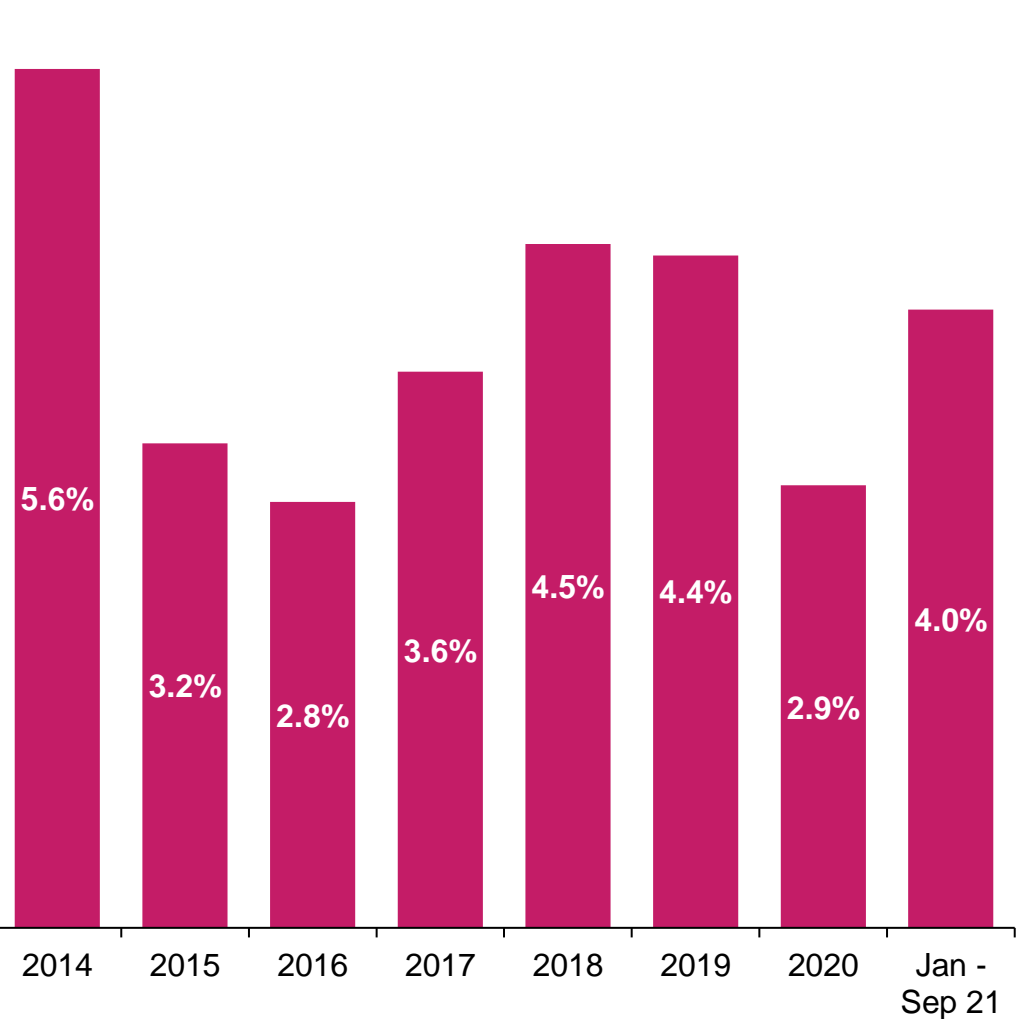
Fuel is our largest import

Gross fuel imports was the single largest items of goods imports in 2020

USD bn



... and amounted to 2.9% of GDP



Definitions

What is an **Externality**?

The result of an individual's, household's or firm's decision to consume, produce or invest that is imposed on an unrelated third party (not involved in the transactions). Externalities can be positive or negative and can also be borne privately – an individual or organisation, or socially – borne by society.

What is a **Corrective Tax**?

A corrective tax is a market-based policy option used by the government to address negative externalities. The tax adjusts the cost of production of the good or service that is creating the externality. This discourages the production and consumption of the good or service.

Definitions continued...

What is a **Subsidy**?

A benefit given to an individual, business or institution in the form of a cash payment or tax reduction granted by the government. It is generally given to reduce the cost of providing a good or service that creates a positive externality, as it is in the overall interest of the public.

What is a **Tax Subsidy**?

This refers to the reduction in the tax burden borne by producers of goods and services that generate a positive externality to society. It is a benefit awarded by the government to provide an economic incentive to produce

Who benefits from the Tax Subsidy?

*“The **non-poor** are the largest consumers of fuel and electricity (the top 30 percent of society consumes 70 percent of fuel, well ahead of direct and indirect consumption of fuel by the bottom 40 percent through the use of public transport), **the administered fuel prices are an effective subsidy to the non-poor funded indirectly by fiscal resources**” – World Bank*

How do we compare to the region..

Regional comparison – Sri Lanka is the cheapest by far

Per Capita GDP USD 2020		Absolute (Prices are as of 21 st Dec 2021)			Relative			Relative price of Petrol/Diesel
		Petrol (LKR/litre)	Diesel (LKR/litre)	Kerosene (LKR/litre)	Petrol (LKR/litre)	Diesel (LKR/litre)	Kerosene (LKR/litre)	
3,679	Sri Lanka	177	121	87	100	100	100	46%
1,965	India (Delhi)	256	232	104	144	192	119	10%
1,260	Pakistan	174	157	125	98	130	144	11%
1,998	Bangladesh	203	189	189	115	156	217	8%
1,196	Nepal	227	199	198	128	164	211	14%

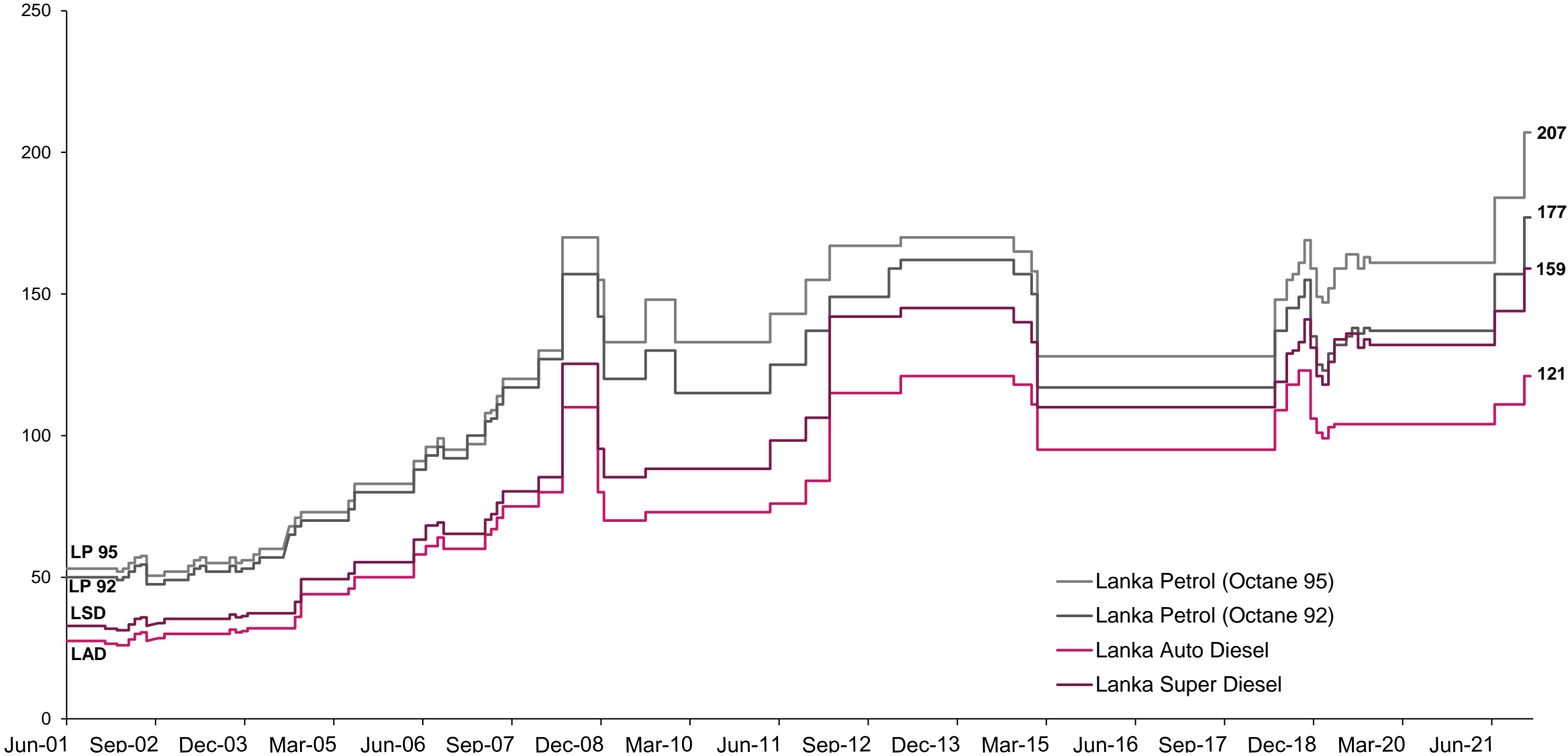
Note: Prices as of 21st Dec 2021; rounded up to nearest whole number

Source: Ceylon Petroleum Corporation, Indian Oil Corporation, Pakistan State Oil, Bangladesh Petroleum Corporation, Nepal Oil Corporation, CBSL, IMF-World Economic Outlook April 2021, Advocata Research

How do prices compare to historical levels...

Prices were revised for the first time in 20 months in June 2021...

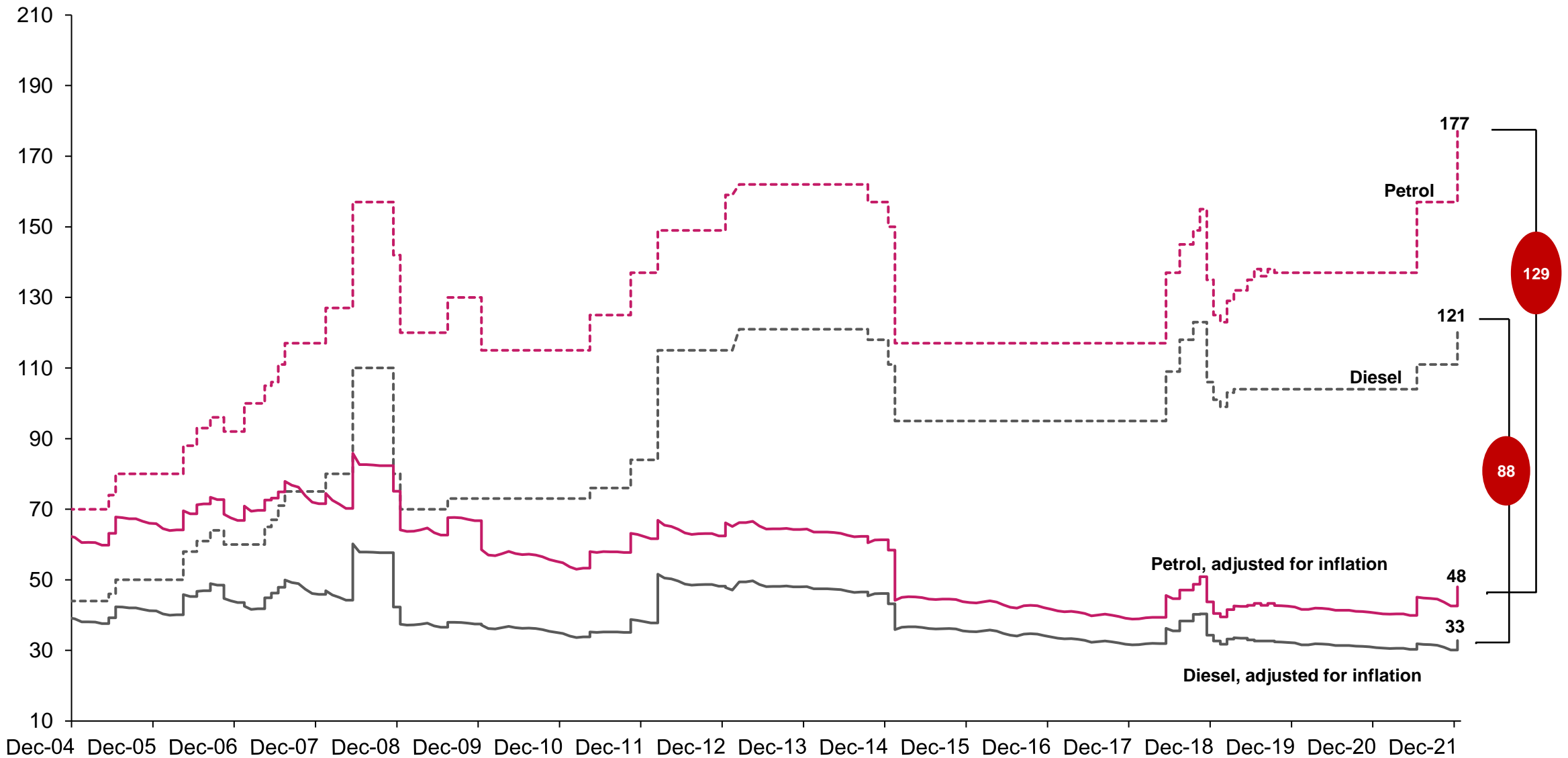
End month prices, LKR/litre



Source: Ceylon Petroleum Corporation, Advocata Research

When adjusted for CCPI inflation, petrol and diesel are at historic lows...

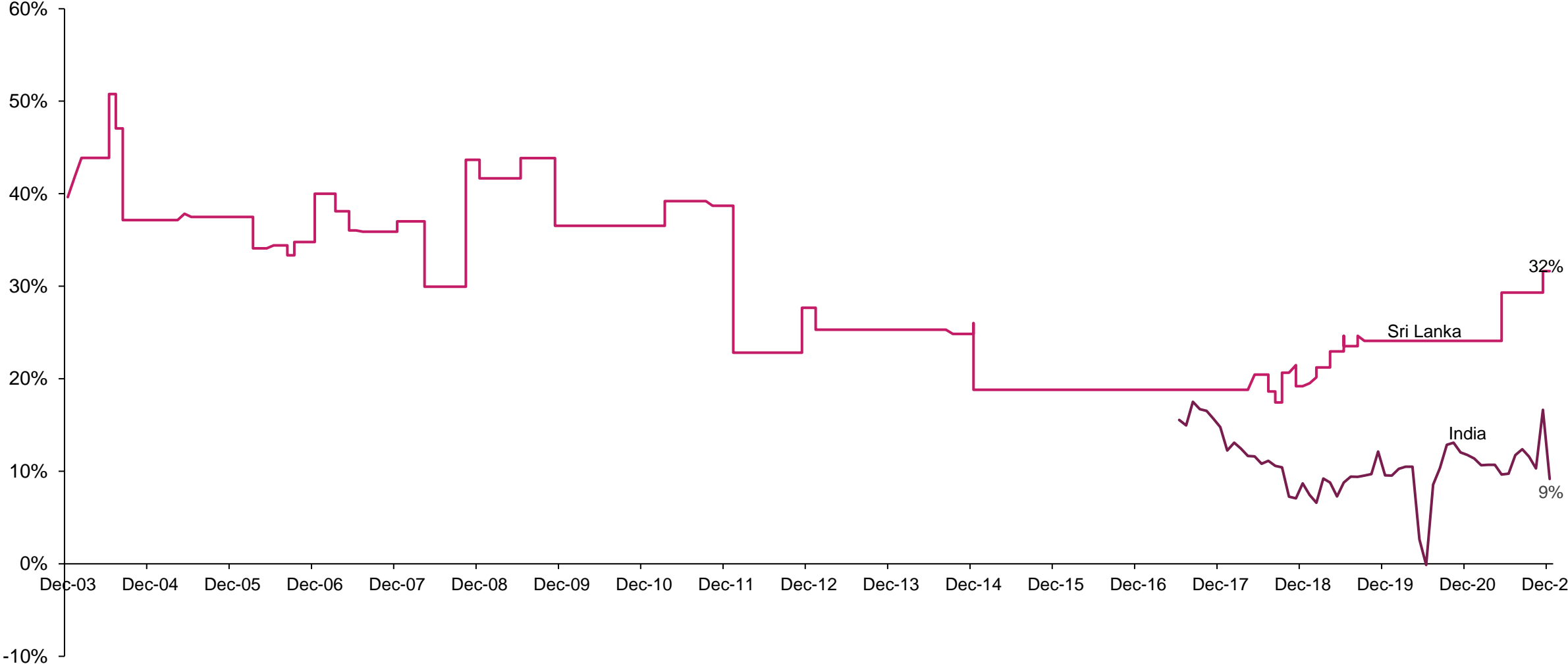
End month prices, LKR/litre



Relative price of Diesel to Petrol

Diesel/Petrol Price

%



Source: Ceylon Petroleum Corporation, Ministry of Petroleum & Natural Gas- Government of India, Advocata Research

Sri Lanka Fuel Pricing Formula (21st Dec 2021)

			Petrol	Diesel
(1)	Platts Price (USD/barrel)		82.46	81.86
(2)	Insurance, freight & supplier premium (USD/barrel)		4.00	4.00
(3)	Import Price – CIF (US\$/barrel)	(1) + (2)	86.46	85.86
(4)	Exchange rate		202.14	202.14
(5)	Landed cost/liter	(3) X (4)/159	109.92	109.23
(6)	PAL	(5) X PAL rate	8.24	8.19
(7)	Customs Duty		50.00	25.00
(8)	Duty Waiver		-45.00	-25.00
(9)	Net Customs Duty		5.00	0.00
(10)	Excise Duty		27.00	6.00
(11)	Total Taxes	(6) + (9) + (10)	40.24	14.19
(12)	Terminal Charges		3.00	2.09
(13)	Transport Costs		0.27	0.27
(14)	Storage Costs		2.25	1.50
(15)	Total Other costs	(12) + (13) + (14)	5.52	3.85
(16)	Dealer Margin	3% x Selling price	4.43	3.03
(17)	O/H & Finance costs		2.50	2.50
(18)	Total Cost	(5) + (11) + (15) (16) + (17)	162.60	132.80
	Selling Price		177.00	121.00
	Profit/(Loss) per liter		14.40	-11.80

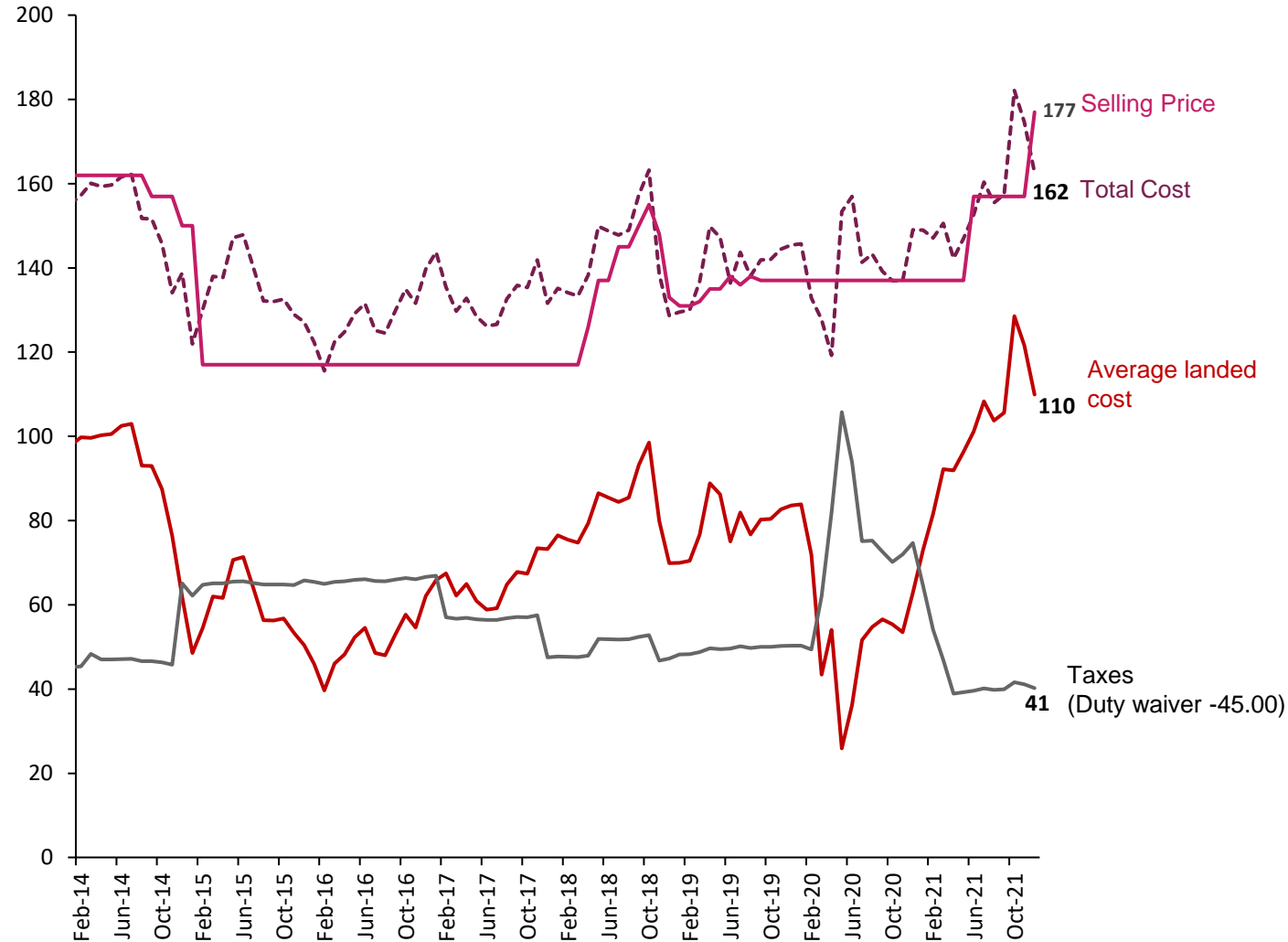
India Fuel Pricing Formula

	Fuel Price Analysis for 21 st Dec 2021		Petrol- INR, LKR	Diesel – INR, LKR
(1)	International Price of Brent Crude Oil		72.21	72.21
(2)	Currency Exchange Rate		75.73	75.73
(3)	Crude Oil in Indian Currency	(1) X (2)	5,468.46	5,468.46
(4)	1 Barrel of Crude Oil		159.00	159.00
(5)	Crude Oil - Cost per Litre	(3)/(4)	34.39, 92.17	34.39, 92.17
(6)	Refinery Processing + Refinery Margins + OMC Margin + Freight Cost, Logistics		8.88	10.22
(7)	Fuel Price after Processing	(5) + (6)	43.27, 115.96	44.61, 119.55
(8)	Additional: Excise Duty + Road Cess as Charged by Central Government		27.90, 74.77	21.80, 58.42
(9)	Commission to Petrol Pump Dealers		3.79	2.59
(10)	Fuel Cost Before VAT	(7) + (8) + (9)	74.96, 200.89	69.00, 184.92
(11)	Additional: VAT (30% for Petrol and 16.75% for Diesel)	% X (10)	22.48, 60.25	11.56, 30.98
(12)	Final Retail Price	(10) + (11)	97.44, 261.14	80.56, 215.90

Current profit on Petrol is around LKR 15/litre*

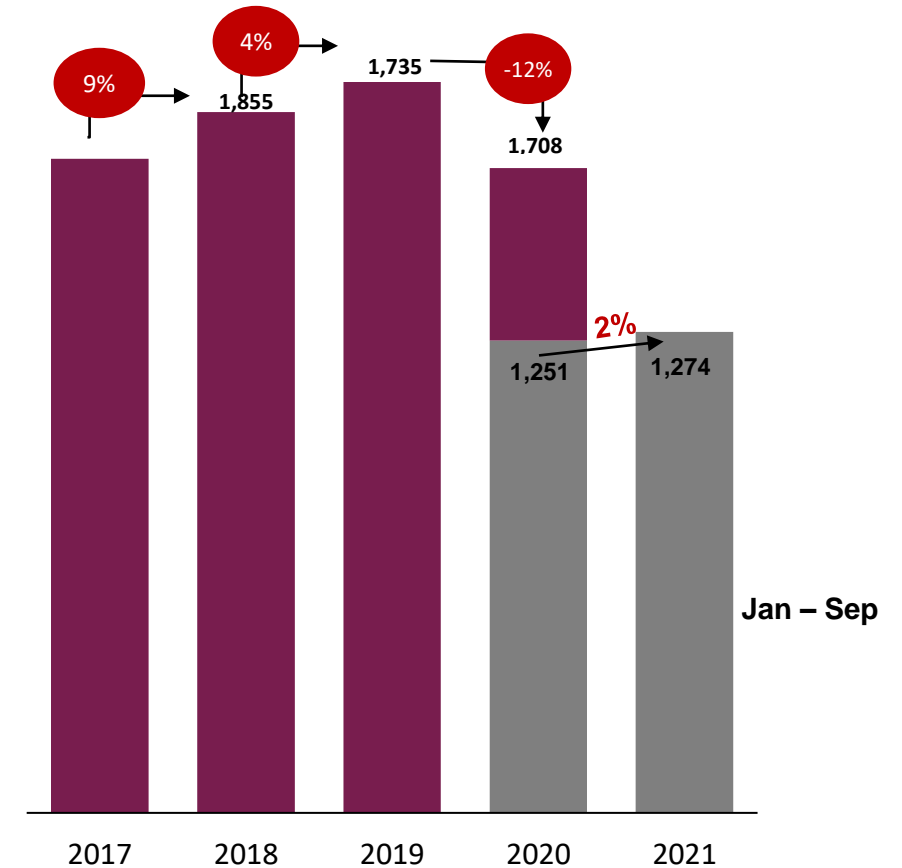
Petrol – Selling Price vs Cost

LKR/litre



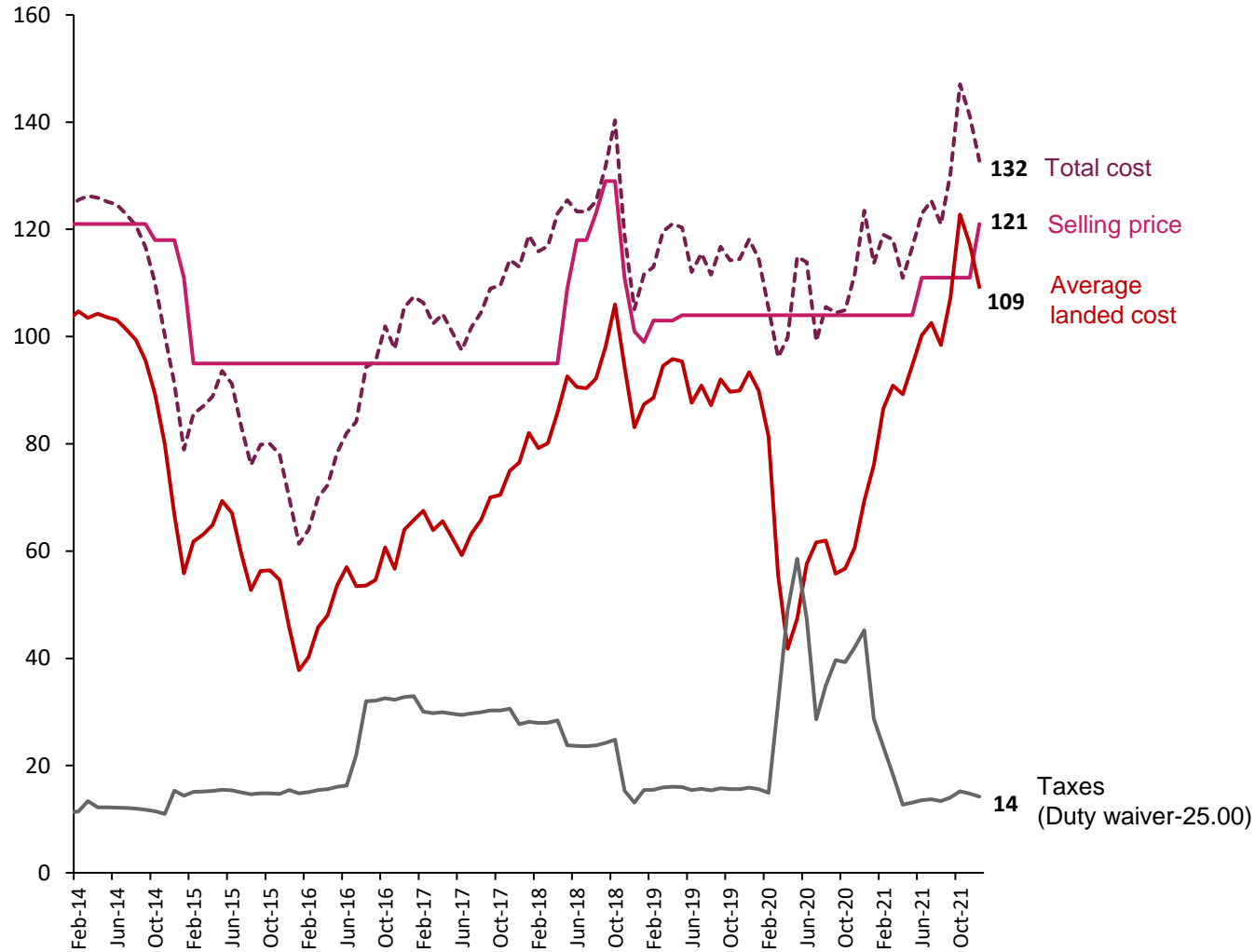
Petrol sales

Liters mn

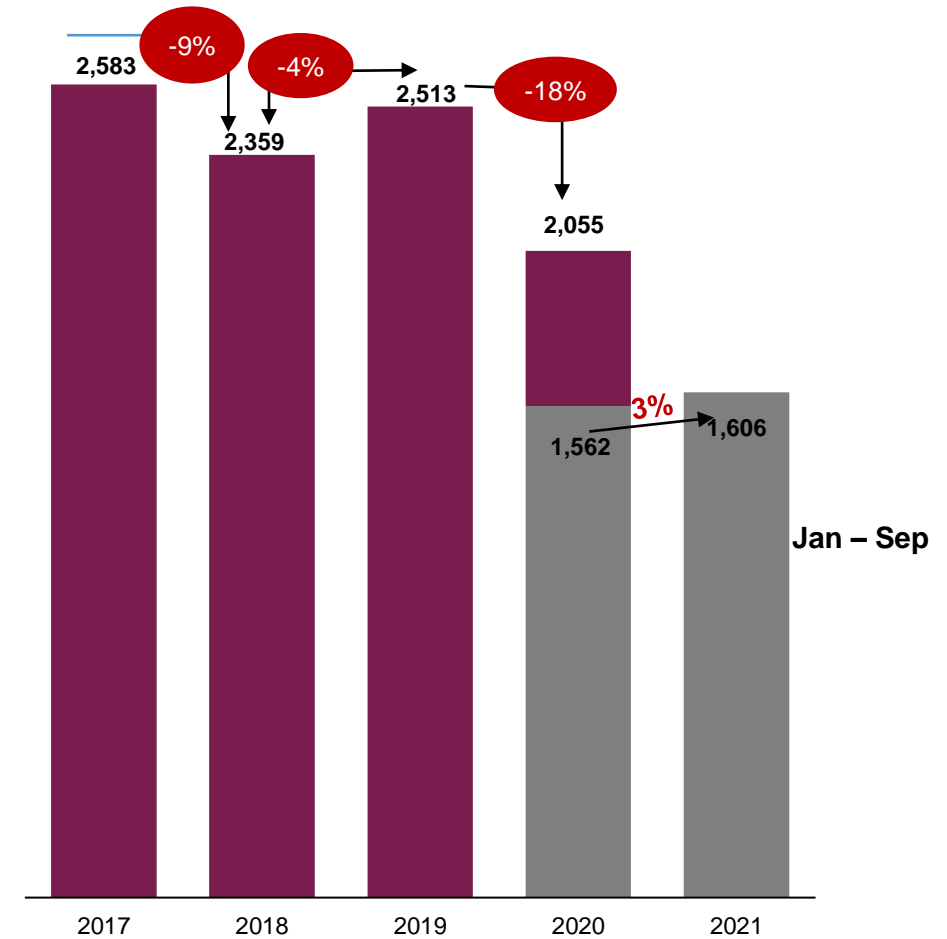


Current loss on Diesel is around LKR 11/litre

Diesel – Selling Price vs Cost
LKR/litre



Diesel sales
Mn litres



How is Fuel taxed?

		Imported Petrol	Refined Petrol*	Imported Diesel	Refined Diesel*
Customs Duty	LKR	50.00		25.00	
Duty Waiver	LKR	-45.00		-25.00	
Net Customs Duty	LKR	5.00		0.00	
PAL	% of Landed cost	7.50%, 6.21	2.50%, 1.80	7.50%, 6.07	2.50%, 1.80
Excise Duty	LKR	27.00	27.00	6.00	6.00
Total Taxes	LKR	39.59	29.75	13.52	7.75

*Locally refined fuels are taxed at a lower rate as Crude oil imports are charged a lower PAL and zero Customs duty.

Corrective Fuel Tax, IMF Estimate, 2010

	Petrol USD/liter, LKR/liter	Diesel USD/liter, LKR/liter
Sri Lanka	USD 0.63, LKR 127	USD 0.42, LKR 84
India	USD 0.78	USD 0.54

Corrective taxes reflect the negative externalities caused by: Local tailpipe emissions, Carbon, Congestion, Accidents, Noise and Road damage

What would the current status quo cost?

	Based on 2020 Volume, Liters mn	Loss to the government from duty waiver		Operational profit (+)/loss (-) to oil companies due to non commercial obligation	
		Per litre, LKR	Annual, LKR mn	Per litre, LKR	Annual, LKR mn
Petrol	1,683	45.00	75,731	+4.31	+7,254
Diesel	2,113	25.00	52,831	-12.68	-26,793

If taxed at 35.8%, equivalent to other products*?

	Full taxes		Current taxes		Tax subsidy	
	Effective tax rate, per litre	Per litre, LKR	Effective tax rate, per litre	Per litre, LKR	Tax subsidy rate, per litre	Per litre, LKR
Petrol	35.8%	36.11	36.6%	40.24	-0.8%	-4.13
Diesel	35.8%	35.86	13.00%	14.19	+22.80%	+21.67

Note: * This includes Customs duty of 15%, PAL 10% and VAT of 8%; current data point is as at 12-Jun-2021; percentages rounded off to the closest decimal place

Source: CBSL, Bloomberg, Sri Lanka Customs, Advocata Research

CPC Financial Statements

LKR Mn	2010	2011	2012	2013	2014	2015	2016	2017	2018
Revenue	256,329	356,442	512,910	490,381	525,182	376,734	423,061	445,950	520,967
Cost of Sales	265,604	428,071	573,692	467,638	499,956	337,119	326,441	418,962	523,982
Gross Profit/(Loss)	(9,275)	(71,628)	(60,782)	22,744	25,227	39,616	96,620	26,989	(3,015)
Operating Profit/(Loss)	(20,295)	(85,812)	(78,930)	7,552	12,296	26,857	81,413	7,201	(23,135)
Exchange Rate Variation					(967)	(32,842)	(8,829)	(4,922)	(82,717)
Profit/(Loss) After Tax	(26,923)	(94,508)	(97,181)	(7,947)	1,129	(20,521)	53,027	1,056	(105,051)

LKR Mn	2010	2011	2012	2013	2014	2015	2016	2017	2018
ASSETS									
PPE	8,280	8,818	9,572	13,111	13,591	13,872	13,506	23,609	23,406
Trade & Other Receivables	86,722	122,508	117,514	90,173	55,168	38,535	58,725	95,954	107,878
Total Assets	155,723	187,128	206,232	187,035	181,826	198,973	190,990	218,701	329,271
EQUITY									
Contributed Capital	3,500	3,500	3,500	3,500	3,500	28,487	28,487	28,487	28,487
Retained Earnings	(46,589)	(140,463)	(237,037)	(245,021)	(240,749)	(262,465)	(219,327)	(220,661)	(325,574)
Total Equity	(38,071)	(131,944)	(228,545)	(236,529)	(232,257)	(228,985)	(185,868)	(176,992)	(281,761)
LIABILITIES									
Short Term Borrowings			211,163	227,408	247,788	267,222	193,684	179,641	294,663
Trade and Other Payables	145,632	167,032	220,897	194,097	164,280	159,171	182,095	214,078	313,112
Total Liabilities	193,175	318,452	434,776	423,564	414,082	427,958	376,836	395,693	611,033

Note: Most Short-Term Borrowings are US Dollar denominated.

Source: CBSL, CPC Annual Reports, Advocata Research

Effective tax rates following recent changes

	Current taxes		Full taxes (Without duty waiver)		Normal Import Taxes*		Normal Import Tax + Corrective Taxes**	
	Effective tax rate- % Landed Cost, % Total Cost	Per litre, LKR	Effective tax rate- % Landed Cost, % Total Cost	Per litre, LKR	Effective tax rate- % Landed Cost, % Total Cost	Per litre, LKR	Effective tax rate- % Landed Cost, % Total Cost	Per litre, LKR
Petrol	36.51% 24.70%	40.27	77.32% 52.30%	85.27	35.80% 24.22%	39.48	151.20% 57.60%	166.74
Diesel	13.05% 10.70%	14.10	36.19% 29.7%	39.10	35.80% 29.41%	38.68	118.66% 52.26%	123.52

Note: * This includes Customs duty of 15%, PAL 10% and VAT of 8% current data point is as at 12-Jun-2021; percentages rounded off to the closest decimal place. **Corrective tax for Petrol is USD 0.63 (LKR 1247.26) and for Diesel is USD 0.42 (LKR 84.84)

Source: CBSL, Bloomberg, Sri Lanka Customs, Advocata Research

www.advocata.org

CPC receives a LKR 6 bn tax subsidy on crude oil imports due to lower PAL & zero Customs Duty

	Production volume, 2020		Sales volume, 2020		Production as a % share of sales	PAL foregone		Customs Duty foregone		Total taxes foregone, LKR mn
	MT	Mn Litres	MT	Mn Litres		LKR/litre	Total, LKR mn	LKR/litre	Total, LKR mn	
Petrol	164,416	222	1,259,000	1,531	13.1%	5.84	1,296	5.00	1,110	2,406
Diesel	537,645	607	1,819,000	1,848	29.6%	6.58	3,502	0.00	-	3,502
Fuel oil	465,419	522	971,000	1,089	47.9%					
Kerosene	109,165	131	176,000	211	62.0%					
Naptha	156,953	234	164,649	246	95.3%					
Avtur (jet fuel)	157,279	191	165,000	201	95.3%					

Note: Average price of Petrol and Diesel CIF (LKR/litre) during 2021 was used to calculate PAL foregone; average customs duty during 2021 was used to calculate customs duty foregone; crude oil is taxed at a PAL of 2.5% and is exempted from duty

Source: CBSL, Bloomberg, Sri Lanka Customs, IMF, Advocata Research

Appendix: IMF Corrective Taxes on Fuels

ANNEX TABLE 6.2.1 (Continued)
Corrective Fuel Tax Estimates, All Countries, 2010

Country	Coal		Natural gas		Gasoline	Diesel
	\$ per GJ		\$ per GJ		\$ per liter	
	average all plants	plants with controls	average all plants	ground level		
Tanzania	#na	#na	1.9	1.9	0.51	0.33
Togo	#na	#na	1.9	#na	0.20	0.17
Tunisia	#na	#na	2.1	2.0	0.61	0.44
Uganda	#na	#na	#na	1.9	0.51	0.33
Zambia	#na	#na	#na	1.9	0.70	0.42
Zimbabwe	3.3	3.3	#na	1.9	0.22	0.20
Asia and Oceania						
Afghanistan	#na	#na	2.0	1.9	0.17	0.17
Australia	4.1	3.9	2.0	2.1	0.55	0.73
Bangladesh	8.3	4.2	2.3	2.0	0.45	0.43
Bhutan	#na	#na	#na	#na	0.96	0.58
Brunei	#na	#na	3.9	#na	0.29	0.25
Cambodia	#na	#na	#na	#na	0.73	0.52
China	15.0	9.2	3.2	2.5	0.55	0.51
Fiji	#na	#na	#na	#na	0.58	0.40
Hong Kong SAR	16.5	17.7	4.7	#na	#na	#na
India	8.7	8.7	2.2	2.0	0.78	0.54
Indonesia	5.7	4.0	2.3	2.0	0.32	0.42
Japan	5.5	5.1	3.1	2.5	1.13	1.44
Kiribati	#na	#na	#na	#na	0.18	0.17
Korea, Rep. of	8.1	7.7	4.1	2.3	0.98	1.20
Malaysia	5.3	4.7	2.3	2.0	0.55	0.58
Maldives	#na	#na	#na	#na	0.58	0.52
Mongolia	7.4	4.5	#na	#na	0.48	0.54
New Zealand	4.1	3.7	2.0	2.0	0.44	0.55
Pakistan	7.3	4.5	2.3	2.0	0.31	0.29
Papua New Guinea	#na	#na	#na	#na	0.34	0.26
Philippines	5.9	4.1	2.1	#na	0.25	0.32
Samoa	#na	#na	#na	#na	0.20	0.17
Singapore	#na	#na	2.9	2.9	1.29	2.18
Sri Lanka	5.7	3.7	#na	#na	0.63	0.42
Taiwan Province of China	6.0	6.3	4.4	#na	#na	#na
Thailand	12.7	5.6	2.3	#na	0.42	0.39
Vietnam	5.5	3.8	2.1	#na	0.46	0.43

Source: See Chapters 3 and 4.

Note: The table shows estimates of corrective taxes for coal and natural gas, reflecting combined damages from carbon and local pollution emissions; and motor fuels, reflecting combined damages from carbon and local pollution emissions, congestion, accidents, and, for diesel, road damage (from trucks). For coal, corrective taxes are shown averaged across all plants and across only plants with control technologies (when the two are the same, either all plants have control technologies or none do). Corrective motor fuel taxes are not reported when two or more components of the corrective tax cannot be estimated. Bold #na = data not available; black #na = fuel not used.



Thank you