



Your ref:

My ref: DGM (CS & RA)/ TRF/BST-Vol.II

Date: January 16, 2023

Director General
Public Utilities Commission of Sri Lanka
6th Floor, BOC Merchant Tower
No.28, St, Michael's Road,
Colombo 3.

Bulk Supply Tariff Filing for the Period 1st July 2023 to 31st December 2023

This has reference to your letter no. PUC/E/Tariff/01 dated 2023-01-11 requesting BST filing for the 2nd six months of the year 2023.

We are herewith forwarding you the BST submission corresponding to the second six-month interval of 2023 containing the following attachments as received from the Transmission Licensee. The Tariff has been prepared as per approved Tariff Methodology and based on the (MS EXCEL) BST templates provided by the Commission.

1. Annex I - BST for 1st July 2023 to 31st December 2023.
2. Annex II - Energy Dispatch Forecast 1st January 2023 to 31st December 2023 (*Please note that the same has emailed to Director, Tariff & Economic Affairs on 2023-01-12.*)
3. Annex III - Generation Capacity payment Schedule.
4. Annex IV - Generation Energy Cost schedule.
5. Annex V - Transmission and BS&OB capacity costs.
6. Annex VI- Term Loan schedule.

It is to be noted that the dispatch has been significantly varied mainly due to changes in thermal plant merit order dispatch following prevailing fuel supply issue in the country. Further, considering the frequent changes in fuel price, exchange rate, inflation etc. of the country it is required to continue BST filing in 6 months interval and CEB will continue to do so as done earlier. Hence, please treat this BST submission for the 2nd half of 2023 as a submission done only on the request of PUCSL to calculate annual expenditure and to evaluate the CEB tariff proposal submitted in 2023-01-05. Please note that CEB will submit the same with revised input values in mid-2023 as per the current practice.

Please refer the table below for comparison of 1st half and 2nd half of BST values for 2023.

BST	Capacity Charge LKR/MW	Energy Charge LKR/kWh		
		Day	Peak	Off Peak
BST Jan-June 2023 (<i>submitted on 2023-01-10</i>)	4,895,667.36	39.63	52.07	23.51
BST July - Dec 2023	4,823,661.43	32.75	43.03	19.43

We wish to bring to your attention that the attached Bulk Supply Tariff submission is based on forecasts made as per approved Tariff Methodology and is intended only for the purpose of calculating Bulk Supply Tariff and other associated tariffs and adjustments as required thereunder.

Yours faithfully

CEYLON ELECTRICITY BOARD



Eng. (Mrs.) KVSM Kudaligama

Deputy General Manager
(Corporate Strategy & Regulatory Affairs)

Copy to: AGM (Transmission - NWO)- fi pl.

Bulk Supply Tariff **July Dec 2023**

Capacity Charge

Month	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Capacity Charge	Generation capacity	2,316,362.80	2,420,455.63	2,539,513.89	2,518,250.39	2,477,394.72	2,499,663.89
	Transmission	1,149,876.62	1,201,178.13	1,269,417.42	1,249,709.87	1,240,298.49	1,246,453.00
	Bulk Supply Service	1,069,674.36	1,117,397.67	1,180,877.37	1,162,544.39	1,153,789.44	1,159,514.68
BST (C)	SLR/MW	4,535,913.78	4,739,031.43	4,989,808.68	4,930,504.65	4,871,482.65	4,905,631.57

Energy Charge

Month	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Block 1	Transmission Loss Factor B1	3.99%	3.99%	3.99%	3.99%	3.99%	3.99%
	Generation energy Cost B1	31.73	32.64	30.73	33.44	30.38	29.85
BST (E1)	SLR/kWh	33.00	33.95	31.96	34.78	31.59	31.04
Block 2	Transmission Loss Factor B2	5.10%	5.10%	5.10%	5.10%	5.10%	5.10%
	Generation energy Cost B2	41.25	42.44	39.95	43.47	39.49	38.81
BST (E2)	SLR/kWh	43.35	44.60	41.99	45.69	41.51	40.79
Block 3	Transmission Loss Factor B3	2.83%	2.83%	2.83%	2.83%	2.83%	2.83%
	Generation energy Cost B3	19.04	19.59	18.44	20.06	18.23	17.91
BST (E3)	SLR/kWh	19.58	20.14	18.96	20.63	18.74	18.42

E1 - Day
E2 - Peak
E3 - off peak

ESTIMATED ENERGY DISPATCH FORECAST - Aug 2023 - GWh

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Generation	1,361.81	1,258.94	1,463.76	1,345.37	1,372.71	1,351.13	1,454.42	1,455.56	1,359.55	1,398.20	1,327.95	1,370.98	16,520.59
Total Generation/day	46.1	47.2	49.4	47.1	46.5	47.2	49.1	49.2	47.5	47.3	46.5	46.4	
Generation Red. due to SPP	174.9	165.5	211.4	169.1	269.0	339.6	291.7	344.8	350.9	307.5	253.0	270.8	3,148.20
Self Generation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
No. of days	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	
Generation (Centrally dispatch)	1,255.43	1,155.24	1,320.72	1,242.43	1,172.24	1,077.65	1,231.11	1,179.31	1,074.69	1,159.29	1,141.23	1,168.47	
Reqd. Generation/day(Centrally)	40.5	41.3	42.6	41.4	37.8	35.9	39.7	38.0	35.8	37.4	38.0	37.7	
IPP/CEB emergency													
FO 100 MW	43.7	37.1	45.2	39.6	35.9	15.9	-	-	-	-	-	-	217.44
SGPS 01	8.7	7.4	9.0	7.9	7.2	3.19	-	-	-	-	-	-	
SGPS 02	35.0	29.7	36.2	31.7	28.7	12.75	-	-	-	-	-	-	
WCPP	162.2	146.4	162.2	138.4	136.4	120.4	150.4	153.0	134.2	153.3	69.6	106.3	
Sojitz	6.6	23.7	23.6	20.0	6.7	3.7	29.5	19.8	14.4	31.5	26.3	9.1	
Kolonnawa-CEB	0.0	0.0	1.0	2.2	2.2	0.0	0.0	0.0	0.0	0.0	1.1	1.0	
Matugama-CEB	0.0	0.0	0.0	2.0	1.2	0.0	0.0	0.0	0.0	0.0	1.0	1.0	
Thulhiriya-CEB	0.0	0.0	0.5	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.0	0.5	
TOTAL IPP	212.5	207.2	232.5	203.2	183.5	140.0	179.8	172.8	148.6	184.8	98.9	117.9	2,081.79
CEB Thermal Generation													
LAKVIYA1	531.5	480.1	531.5	430.4	354.4	346.4	142.8	177.2	138.2	177.2	171.5	173.8	
LAKVIYA2	177.2	160.0	177.2	171.5	177.2	87.5	0.0	177.2	138.2	177.2	171.5	174.1	
LAKVIYA3	177.2	160.0	177.2	171.5	177.2	171.5	177.2	0.0	0.0	0.0	0.0	0.0	4,670.29
SAPU B	38.2	34.5	38.2	36.9	36.0	36.9	38.2	38.2	36.9	38.2	36.9	34.9	
SAPU A	30.4	27.4	30.4	29.4	27.3	26.5	30.4	30.4	24.3	30.4	25.9	24.5	
BARGE	36.2	32.7	36.2	35.0	31.0	33.0	34.2	36.2	33.0	34.2	33.0	24.5	
UthuruJannanee	10.4	9.4	10.4	10.1	8.4	8.2	9.3	10.4	8.2	9.3	8.6	8.5	
KCCP_Naphia	66.9	67.4	66.9	66.7	66.8	66.1	65.7	67.2	66.6	66.6	66.4	66.9	
KCCP_Diesel	5.3	4.2	12.8	11.5	10.3	1.6	13.5	5.2	6.3	0.0	8.0	3.5	
GT7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	
SMALL_GT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total CEB Thermal Generation	718.8	655.7	726.4	620.7	534.3	518.7	511.3	541.9	451.8	517.9	521.8	512.4	6,831.76
Prospective Gen. / Energy shortfall													
Total Thermal Generation	931.3	862.9	958.9	823.9	717.8	658.7	691.1	714.7	600.5	702.7	620.7	630.3	8,913.55
Hydro Gen Req'd.	255.6	230.5	293.4	352.4	385.9	352.8	471.6	396.0	408.2	388.1	454.2	469.9	4,458.64
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	
Power cut saving	-	-	-	-	-	-	-	-	-	-	-	-	
Actual hydro req'd.	255.6	230.5	293.4	352.4	385.9	352.8	471.6	396.0	408.2	388.1	454.2	469.9	4,458.64
Inflow	208.6	146.9	152.6	292.7	380.3	473.4	456.6	428.4	384.7	483.3	509.0	530.8	4,447.21
Drawdown from reservoirs	-47.0	-83.6	-140.8	-59.7	-5.6	120.6	-15.0	32.4	-23.5	95.2	54.8	60.9	
STARTING STORAGE	850.0	803.0	719.4	578.5	518.8	513.2	633.8	618.8	651.2	627.7	722.9	777.7	
Month End Storage	803.0	719.4	578.5	518.8	513.2	633.8	618.8	651.2	627.7	722.9	777.7	838.6	
% Storage	0.7	0.6	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.7	

Generation Capacity Cost

Item \ Month	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
System Coincidental Peak demand	MW	2550	2441	2310	2346	2364	2352

Plant \ Month	Unit	Capacity Payment					
		Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Mahaweli	Mn. SLR	751.5	751.5	751.5	751.5	751.5	751.5
Laxapana	Mn. SLR	328.1	328.1	328.1	328.1	328.1	328.1
Samnala	Mn. SLR	283.4	283.4	283.4	283.4	283.4	283.4
Mannar Wind	Mn. SLR	184.6	184.6	184.6	184.6	184.6	184.6
DSP1	Mn. SLR	135.6	135.6	135.6	135.6	135.6	135.6
DSP2	Mn. SLR	139.5	139.5	139.5	139.5	139.5	139.5
GT16	Mn. SLR	138.8	138.8	138.8	138.8	138.8	138.8
GT07	Mn. SLR	234.7	234.7	234.7	234.7	234.7	234.7
CCKP	Mn. SLR	166.9	166.9	166.9	166.9	166.9	166.9
CPUT	Mn. SLR	2,054.5	2,054.5	2,054.5	2,054.5	2,054.5	2,054.5
DNCHU	Mn. SLR	41.5	41.5	41.5	41.5	41.5	41.5
Island Gen	Mn. SLR	8.0	8.0	8.0	8.0	8.0	8.0
BARGE	Mn. SLR	73.3	73.3	73.3	73.3	73.3	73.3
50MW Thulhiriya	Mn. SLR	7.6	9.4	9.4	9.4	7.6	7.6
50MW Kolonnawa	Mn. SLR	18.9	18.9	18.9	18.9	15.2	15.2
50MW Mathugama	Mn. SLR	18.9	18.9	18.9	18.9	15.2	15.2
CCKW	Mn. SLR	1,192.5	1,192.5	1,154.0	1,192.5	1,154.0	1,192.5
Sojitz	Mn. SLR	128.5	128.5	124.4	128.5	124.4	128.5
RENW	Mn. SLR	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	Mn. SLR	5,906.7	5,908.5	5,865.9	5,908.5	5,856.8	5,880.2
Depreciation	Mn. SLR						
ROE	Mn. SLR						
Generation Capacity cost	Mn. SLR	5,906.7	5,908.5	5,865.9	5,908.5	5,856.8	5,880.2

Generation Capacity cost

Generation Capacity cost	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
SLR/MW							

Capacity Transmission tariff (TR) & Bulk Supply and Operations Business Tariff (BSS)

Item	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Transmission system allowed revenue	Mn. SLR	2,932	2,932	2,932	2,932	2,932	2,932
BSSOB allowed revenue	Mn. SLR	443	443	443	443	443	443
Term Loan	Mn. SLR	2,285	2,285	2,285	2,285	2,285	2,285
System Coincidental Peak demand	MW	2550	2441	2310	2346	2364	2352

Month	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Capacity Transmission tariff (TR)	SLR/MW						
Bulk Supply and Operations Business Tariff (BSS)	SLR/MW						

Transmission Losses Factor

Block 1	Month	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Month 1	Forecasted transmission losses	GWh	34	34	32	32	31	32
	Total forecasted energy supplied	GWh	844	844	789	811	770	795
	Forecasted TLF	%						

Block 2	Month	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Month 2	Forecasted transmission losses	GWh	15	15	14	14	13	14
	Total forecasted energy supplied	GWh	287	287	268	275	262	270
	Forecasted TLF	%						

Block 3	Month	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Month 3	Forecasted transmission losses	GWh	9	9	9	9	8	9
	Total forecasted energy supplied	GWh	324	325	303	312	296	306
	Forecasted TLF	%						

Capacity Transmission tariff (TR)	SLR	2,932,168,009.15	2,932,168,009.15	2,932,168,009.15	2,932,168,009.15	2,932,168,009.15	2,932,168,009.15
Bulk Supply and Operations Business Tariff (BSS)	SLR	2,727,653,470.59	2,727,653,470.59	2,727,653,470.59	2,727,653,470.59	2,727,653,470.59	2,727,653,470.59
avg tx loss factor	%						3.975%

Notes
Transmission Loss is taken as 3.89% according to CEB Monthly Review Report August 2022 by System Control Branch

INTEREST FORECAST FOR THE LAST 06 MONTH OF YEAR 2023

AMP/R	Bank & Loan Number	Outstanding As At 31/08/2022	Outstanding As At 31/12/2022	Jul 2023 (RS. M)		Aug 2023 (RS. M)		Sept 2023 (RS. M)		Oct 2023 (RS. M)		Nov 2023 (RS. M)		Dec 2023 (RS. M)	
				Capital	Interest	Capital	Interest	Capital	Interest	Capital	Interest	Capital	Interest	Capital	Interest
	PEOPLE'S BANK														
	BROADLAND LOAN	29.5	4,200.00	50	154	50	158	50	157	50	151	50	154	50	148
	PEOPLE'S BANK - 15 Bn			2,500	369	2,500	307	2,500	246	2,500	184	2,500	123	2,500	61
	Coal loan	29.5	12,984.99												
	PEOPLE'S BANK - 10 Bn (CPC)			140	28	140	24	140	21	140	18	140	14	140	11
	PEOPLE'S BANK - 6.2 Bn (CPC)			87	19	87	17	87	15	87	13	87	11	87	9
	PEOPLE'S BANK - 35 Bn (CPC 29 - IPP 6)	29.5	1,576.00	500	624	500	612	500	600	500	588	500	575	500	563
	PEOPLE'S BANK - 10 Bn (Coal Payment)	29.5	29,800.00												
	PEOPLE'S BANK - 10 Bn (Coal Payment)	29.5	845.29												
	PEOPLE'S BANK - 10 Bn (Coal Payment)	29.5	9,433.34	150	210	150	206	150	202	150	199	150	195	150	191
	NSB - 10 Bn (CPC 9 : IPP 1)	30.25	625.00												
	NSB - 10 Bn (CPC 4 : IPP 6)	30	5,450.00	280	66	280	59	280	52	280	45	280	38	280	31
	BOC - 15 Bn (CPC 10 : IPP 5)	29.5	12,566.00	214	256	243	251	243	245	243	239	243	233	243	227
	BOC - 5 Bn (IPP)	29.5	4,900.00	20	114	20	114	20	113	20	113	20	112	20	112
	SEYLAN BANK - 2 Bn (CPC 1 : IPP 1)	29.5	1,757.00	33	36	33	35	33	34	36	34	36	33	36	32
	LECO - 2 Bn		186.50												
	NTB - 1 Bn (CPC 1 : IPP 1)	29.25	440.00	28	4	28	3	28	3	28	2	28	1	20	0
	NSF - 5 Bn (IPP)	30	5,000.00	500	111		98		98		98		98		98
	NTB - 3 Bn (CPC)	29	2,825.00	63	49	63	47	63	46	63	44	63	43	63	41
	PEOPLE'S BANK - 17 Bn (CPC)	29.5	17,000.00	355	383	355	374	355	366	355	357	355	348	355	339
	OVERDRAFT	29.5	27,500.00		295		295		295		295		295		295
	TOTAL		139,674.12	4,319.50	2,718.88	4,448.50	2,602.96	4,448.50	2,493.82	4,451.50	2,379.68	4,451.50	2,274.47	4,443.50	2,160.25

Division wise interest allocation

NO	Transmission	Generation	Project	Total	Jul		Aug		Sept		Oct		Nov		Dec		Total
					Capital	Interest	Capital	Interest	Capital	Interest	Capital	Interest	Capital	Interest			
					314	474	312	454	310	444	308	435	306	426	304	417	
					1,776	154	1,679	158	1,582	157	1,485	151	1,388	154	1,292	148	
					2,719	2,719	2,603	2,603	2,494	2,494	2,380	2,380	2,274	2,274	2,160		