

ECONOMIC ANALYSIS–SUPPLEMENTARY TABLES

Table 1: Economic Evaluation of the Improved Water Supply Systems Output
(MK millions)

Year	Costs			Benefits			Net Benefits
	Investment	Recurrent	Total	Domestic WTP	Non-domestic WTP	Total	
2016	1,691	0	1,691	0	0	0	(1,691)
2017	16,533	919	17,452	0	0	0	(17,452)
2018	15,118	949	16,067	0	0	0	(16,067)
2019	8,762	1,786	10,548	0	0	0	(10,548)
2020	3,028	2,347	5,376	0	0	0	(5,376)
2021	0	2,863	2,863	13,446	1,603	15,049	12,186
2022	0	3,582	3,582	13,932	1,867	15,799	12,216
2023		3,347	3,347	14,435	2,175	16,610	13,263
2024		3,347	3,347	14,956	2,533	17,489	14,143
2025		3,347	3,347	15,496	2,653	18,149	14,803
2026		3,347	3,347	16,150	2,795	18,945	15,598
2027		3,347	3,347	16,831	2,944	19,776	16,429
2028		3,347	3,347	17,542	3,102	20,643	17,296
2029		3,347	3,347	18,282	3,268	21,549	18,202
2030		3,347	3,347	19,053	3,344	22,397	19,050
2031		3,347	3,347	19,454	3,352	22,806	19,460
2032		3,347	3,347	19,864	3,361	23,225	19,878
2033		3,347	3,347	20,282	3,369	23,652	20,305
2034		3,347	3,347	20,710	3,378	24,087	20,741
2035		3,347	3,347	21,146	3,418	24,564	21,217
2036		3,347	3,347	21,604	3,461	25,064	21,717
2037		3,347	3,347	22,071	3,504	25,575	22,228
2038		3,347	3,347	22,549	3,547	26,096	22,750
2039		3,347	3,347	23,037	3,592	26,629	23,282
2040		3,347	3,347	23,536	3,669	27,205	23,858
2041		3,347	3,347	23,536	3,669	27,205	23,858
2042		3,347	3,347	23,536	3,669	27,205	23,858
2043		3,347	3,347	23,536	3,669	27,205	23,858
2044		3,347	3,347	23,536	3,669	27,205	23,858
2045		3,347	3,347	23,536	3,669	27,205	23,858
2045		3,347	3,347	23,536	3,669	27,205	23,858
2046		3,347	3,347	23,536	3,669	27,205	23,858
EIRR =							20.2%
ENPV =	32,737	18,820	51,557	77,541	12,382	89,923	38,366

EIRR = economic internal rate of return; ENPV = economic net present value.

Note: Values in parentheses are negative.

Source: Asian Development Bank estimates.

Table 2: Economic Evaluation of the Improved Wastewater and Drainage Management Output

(MK millions)

Year	Costs				Benefits				Net Benefits
	Investment	Periodic investment	Recurrent	Total	Domestic wastewater management	Non-domestic wastewater management	Septage service	Total	
2016	3,072	0	0	3,072	0	0	0	0	(3,072)
2017	12,170	0	0	12,170	0	0	0	0	(12,170)
2018	15,954	0	0	15,954	0	0	394	394	(15,560)
2019	8,023	0	219	8,243	2,562	386	1,240	4,188	(4,054)
2020	7,722	0	846	8,568	5,369	909	2,036	8,315	(253)
2021	5,322	0	1,507	6,829	8,438	1,445	1,926	11,809	4,980
2022	2,135	0	2,287	4,423	11,787	2,040	2,102	15,929	11,506
2023		0	2,762	2,762	12,349	2,160	2,282	16,791	14,029
2024		0	2,762	2,762	12,795	2,263	2,443	17,501	14,739
2025		0	2,762	2,762	13,258	2,370	2,846	18,474	15,712
2026		0	2,762	2,762	13,736	2,411	2,773	18,920	16,158
2027		0	2,762	2,762	14,232	2,452	2,942	19,627	16,865
2028		0	2,762	2,762	14,746	2,495	3,114	20,355	17,593
2029		0	2,762	2,762	15,368	2,553	3,303	21,225	18,463
2030		453	2,762	3,215	16,017	2,612	3,749	22,378	19,163
2031		0	2,762	2,762	16,692	2,698	3,517	22,907	20,145
2032		402	2,762	3,164	17,397	2,787	3,630	23,814	20,650
2033		0	2,762	2,762	18,131	2,878	3,749	24,757	21,995
2034		0	2,762	2,762	18,512	2,912	3,810	25,235	22,473
2035		0	2,762	2,762	18,902	2,947	4,070	25,919	23,157
2036		0	2,762	2,762	19,301	3,009	3,938	26,247	23,485
2037		0	2,762	2,762	19,707	3,072	4,003	26,783	24,021
2038		0	2,762	2,762	20,122	3,137	4,070	27,330	24,568
2039		0	2,762	2,762	20,558	3,205	4,140	27,903	25,141
2040		0	2,762	2,762	21,003	3,274	4,437	28,714	25,952
2041		0	2,762	2,762	21,003	3,274	4,437	28,714	25,952
2042		453	2,762	3,215	21,003	3,274	4,437	28,714	25,499
2043		0	2,762	2,762	21,003	3,274	4,437	28,714	25,952
2044		402	2,762	3,164	21,003	3,274	4,437	28,714	25,550
2045		0	2,762	2,762	21,003	3,274	4,437	28,714	25,952
2046		0	2,762	2,762	21,003	3,274	4,437	28,714	25,952
EIRR =									23.4%
ENPV =	36,943	178	12,217	49,338	70,056	11,672	15,671	97,399	48,061

EIRR = economic internal rate of return; ENPV = economic net present value.

Note: Values in parentheses are negative.

Source: Asian Development Bank estimates.