

Supporting 2-I

Financial Statement for the Phase I Project

(Related to Chapter 4.10.1)

2-I Financial Statement for the Phase 1 Project

A financial analysis for the phase 1 project consisting of the Urgent Project and the Pipe Extension Project in the BPS1 distribution zone was carried out for reference. Assumptions and condition are described below.

(1) Calculation Case: 2 cases

Case A: Tariff Model 3 is adopted.

Case B: Tariff Model 1 is adopted.

(2) Assumptions

- Urgent Project: 100 % of the Project cost is subsidized or granted
- Pipe Extension Project: 100 % loan
- Loan Condition:
 - Redemption period: 35 years including 5 years of grace period
 - Refundment: principal-equal repayment
- Condition of O&M cost and Revenue water amount is same as those of the main report
- Tax against profit: 30 %

The financial analyses on case A and Case B are described in Table 2.I.1 and Table 2.I.2.

The OM cost and Revenue for the Phase 1 Project is shown in Table 2.I.3.

Table 2.1.1 Financial Statements for Phase 1 Project (Case A)

unit: US\$1000

	Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Balance Sheet	Assets																					
	Fixed	4,865	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964
	Urgent Project	4,865	2,250																			
	Pipe Extension		5,849																			
	Depreciation	0	178	571	964	1,357	1,750	2,143	2,536	2,929	3,322	3,715	4,108	4,501	4,894	5,287	5,680	6,073	6,466	6,859	7,252	7,645
	Current	-22	778	1,514	2,250	2,986	3,843	4,504	5,175	5,988	6,810	7,642	8,635	9,637	10,649	11,842	13,043	14,254	15,665	17,085	18,514	20,168
	Total	4,843	13,564	13,907	14,250	14,593	15,057	15,325	15,603	16,023	16,452	16,891	17,491	18,100	18,719	19,519	20,327	21,146	22,163	23,190	24,226	25,487
	Liabilities																					
	Repayment Principal	0	5,849	5,849	5,849	5,849	5,849	5,654	5,459	5,264	5,069	4,874	4,679	4,484	4,289	4,094	3,899	3,704	3,509	3,314	3,119	2,925
	Capital	4,843	7,715	8,058	8,401	8,744	9,208	9,671	10,144	10,759	11,383	12,017	12,812	13,616	14,430	15,424	16,428	17,441	18,654	19,875	21,107	22,562
	L+C	4,843	13,564	13,907	14,250	14,593	15,057	15,325	15,603	16,023	16,452	16,891	17,491	18,100	18,719	19,519	20,327	21,146	22,163	23,190	24,226	25,487
Profit and Loss Statement																						
	Revenues	0	1,133	1,355	1,355	1,355	1,527	1,527	1,527	1,716	1,716	1,716	1,933	1,933	1,933	2,177	2,177	2,177	2,448	2,448	2,448	2,755
	O&M	22	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
	Depreciation	0	66	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
	40 yrs																					
	20 yrs																					
	Repayment Interest	0	0	406	406	406	406	406	392	379	365	352	338	325	311	298	284	271	257	244	230	216
	6.94%																					
	Profit before tax	-22	889	490	490	490	662	662	676	878	892	905	1,136	1,149	1,163	1,420	1,434	1,447	1,732	1,745	1,759	2,080
	Tax	0	267	147	147	147	199	199	203	263	268	272	341	345	349	426	430	434	520	524	528	624
	30%																					
	Profit after tax	-22	622	343	343	343	463	463	473	615	624	634	795	804	814	994	1,004	1,013	1,212	1,222	1,231	1,456
Cash Flow																						
	In	4,865	9,232	1,355	1,355	1,355	1,527	1,527	1,527	1,716	1,716	1,716	1,933	1,933	1,933	2,177	2,177	2,177	2,448	2,448	2,448	2,755
	Out	4,887	8,432	619	619	619	671	866	856	903	894	884	940	930	921	985	975	966	1,038	1,028	1,019	1,101
	Balance	-22	800	736	736	736	856	661	671	813	822	832	993	1,003	1,012	1,192	1,202	1,211	1,410	1,420	1,429	1,654
	Total																					
	Cost of Depreciation 40 years-portion	2,634	7,593	10,227																		
	Cost of Depreciation 20 years-portion	2,231	506	2,737																		
	Remaining Capital of Loan		5,849	5,849	5,849	5,849	5,849	5,654	5,459	5,264	5,069	4,874	4,679	4,484	4,289	4,094	3,899	3,704	3,509	3,314	3,119	2,925

Table 2.I.2 Financial Statements for Phase 1 Project (Case B)

Unit: 1000 US\$

	Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Balance Sheet	Assets																					
	Fixed	4,865	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964	12,964
	Urgent Project	4,865	2,250																			
	Pipe Extension		5,849																			
	Depreciation																					
	Current	-22	514	934	1,354	1,773	2,275	2,583	2,899	3,314	3,738	4,171	4,709	5,257	5,814	6,493	7,183	7,882	8,717	9,561	10,415	11,424
	Total	4,843	13,301	13,327	13,354	13,380	13,490	13,404	13,327	13,349	13,380	13,420	13,565	13,720	13,884	14,171	14,467	14,773	15,215	15,666	16,127	16,743
	Liabilities																					
	Repayment Principal	0	5,849	5,849	5,849	5,849	5,849	5,654	5,459	5,264	5,069	4,874	4,679	4,484	4,289	4,094	3,899	3,704	3,509	3,314	3,119	2,925
	Capital	4,843	7,452	7,478	7,505	7,531	7,641	7,750	7,868	8,085	8,311	8,546	8,886	9,236	9,594	10,076	10,568	11,068	11,705	12,352	13,008	13,819
	L+C	4,843	13,301	13,327	13,354	13,380	13,490	13,404	13,327	13,349	13,380	13,420	13,565	13,720	13,884	14,171	14,467	14,773	15,215	15,666	16,127	16,743
	Profit and Loss Statement																					
	Revenues	0	756	903	903	903	1,021	1,021	1,021	1,147	1,147	1,147	1,283	1,283	1,283	1,445	1,445	1,445	1,626	1,626	1,626	1,834
	O&M	22	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
	Depreciation	0	66	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
	40 yrs																					
	20 yrs		112	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
	Repayment Interest	0	0	406	406	406	406	406	392	379	365	352	338	325	311	298	284	271	257	244	230	216
	6.94%																					
	Profit before tax	-22	512	38	38	38	156	156	170	309	323	336	486	499	513	688	702	715	910	923	937	1,159
	Tax	0	154	11	11	11	47	47	51	93	97	101	146	150	154	206	211	215	273	277	281	348
	30%																					
	Profit after tax	-22	359	27	27	27	109	109	119	216	226	235	340	349	359	482	491	501	637	646	656	811
	Cash Flow																					
	In	4,865	8,855	903	903	903	1,021	1,021	1,021	1,147	1,147	1,147	1,283	1,283	1,283	1,445	1,445	1,445	1,626	1,626	1,626	1,834
	Out	4,887	8,319	483	483	483	519	714	704	733	723	714	745	735	726	765	756	746	791	782	772	825
	Balance	-22	536	420	420	420	502	307	317	414	424	433	538	548	557	680	689	699	835	844	854	1,009
	Total																					
	Cost of Depreciation 40 years-portion	2634	7593	10227																		
	Cost of Depreciation 20 years-portion	2231	506	2737																		
	Remaining Capital of Loan																					
		5,849	5,849	5,849	5,849	5,849	5,849	5,654	5,459	5,264	5,069	4,874	4,679	4,484	4,289	4,094	3,899	3,704	3,509	3,314	3,119	2,925

Table 2.I.3 OM Cost and Revenue for the Phase 1 Project

Year	OM Cost				Revenue				
	UP	P E	Total \$/annum	Total 1000\$/annum	Revenue Water m^3/d	case A		caseB	
						\$/m^3	1000 \$/annum	\$/m^3	1000 \$/annum
2004	22,075	0	22,075	22					
2005	30,189	24,700	54,889	55	20,700	0.150	1,133	0.100	756
2006	36,095	29,533	65,628	66	24,750	0.150	1,355	0.100	903
2007	36,095	29,533	65,628	66	24,750	0.150	1,355	0.100	903
2008	36,095	29,533	65,628	66	24,750	0.150	1,355	0.100	903
2009	36,095	29,533	65,628	66	24,750	0.169	1,527	0.113	1,021
2010	36,095	29,533	65,628	66	24,750	0.169	1,527	0.113	1,021
2011	36,095	29,533	65,628	66	24,750	0.169	1,527	0.113	1,021
2012	36,095	29,533	65,628	66	24,750	0.190	1,716	0.127	1,147
2013	36,095	29,533	65,628	66	24,750	0.190	1,716	0.127	1,147
2014	36,095	29,533	65,628	66	24,750	0.190	1,716	0.127	1,147
2015	36,095	29,533	65,628	66	24,750	0.214	1,933	0.142	1,283
2016	36,095	29,533	65,628	66	24,750	0.214	1,933	0.142	1,283
2017	36,095	29,533	65,628	66	24,750	0.214	1,933	0.142	1,283
2018	36,095	29,533	65,628	66	24,750	0.241	2,177	0.160	1,445
2019	36,095	29,533	65,628	66	24,750	0.241	2,177	0.160	1,445
2020	36,095	29,533	65,628	66	24,750	0.241	2,177	0.160	1,445
2021	36,095	29,533	65,628	66	24,750	0.271	2,448	0.180	1,626
2022	36,095	29,533	65,628	66	24,750	0.271	2,448	0.180	1,626
2023	36,095	29,533	65,628	66	24,750	0.271	2,448	0.180	1,626
2024	36,095	29,533	65,628	66	24,750	0.305	2,755	0.203	1,834