

Yield (Table 10, Figure 2) Hydrologic Analysis (m³/yr)		Item	Allocation	Financial Analysis (IDR at 2000 Prices)																					
Period:	Amount			2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Water Produced				0	0	0	0	0	0	0	0	306,782	275,008	358,258	187,088	383,357	326,987	398,494	398,806	3,103,764	1,053,522	1,390,099	1,125,057	1,158,795	
Industrial Water	0.30			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Physical Loss (%)	0.24			0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
Physical Loss	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Administrative/Managerial Loss (%)	0.21			0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Administrative/Managerial Loss	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Delivered	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Where Bills are Collected	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Irrigation Water	1.80			0	0	0	0	0	0	0	0	78,782	75,908	103,258	867,888	187,357	914,947	356,454	985,806	1,028,764	1,155,522	1,084,279	1,125,050	1,159,795	
Physical Loss (%)	0.24			0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
Physical Loss	0.0			0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Administrative/Managerial Loss (%)	0.21			0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Administrative/Managerial Loss	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Delivered	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Where Bills are Collected	0.0			0.0	0.0	0.0	0.0	0.0	0	0	0	0	518,393	805,704	630,606	694,284	217,886	741,525	765,165	788,805	816,611	844,417	832,234	800,058	927,836
Financial Analysis (IDR at 2000 Prices)		Item	Period:	Amount	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Cost																									
Local Components	41%			161,142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Foreign Components	52%			171,268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Day & Taxes	8%			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Capital Costs	302,411			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Capitalization Costs				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
O & M Costs				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Costs				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Revenues																									
Industrial Usage Qtr (m³)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Industrial Tariff (IDR/m³)	1,800			1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800		
Industrial Revenue (IDR)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Irrigation Usage Qtr (m³)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Irrigation Tariff (IDR/m³)	0.018			0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018		
Irrigation Revenue (IDR)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Revenues (IDR)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Cash Flow (IDR)	0			0	0	0	0	0	0	0	0	0	-178,542	-16,096	-15,453	-14,364	-14,319	-14,055	-12,532	-12,384	-13,106	-12,748	-16,538	-12,513	
Discounting (D=8%)	0.90897			0.91645	0.91712	0.91779	0.91846	0.91853	0.91861	0.91862	0.91863	0.91864	0.91865	0.91866	0.91867	0.91868	0.91869	0.91870	0.91871	0.91872	0.91873	0.91874	0.91875		
Total Qty Whrsl Bills are Collected (m³)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EBID	WID101																								
NPV (IDR)	-258,750			0	0	0	0	0	0	0	0	-177,884	-16,121	-8,222	-7,385	-6,433	-6,303	-5,530	-5,373	-4,859	-4,561	-4,193	-3,853	-4,206	-3,841
PV of Total Costs (IDR)	321,084			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PV of Total Qty Delivered (m³)	6,731,417			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit Water Price (IDR/m³)	52																								
Economic Analysis (IDR at 2000 Prices)		Item	Period:	Amount	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Cost																									
Local Components	41%			161,142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Foreign Components	52%			171,268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Day & Taxes	8%			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Capital Costs	302,411			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Capitalization Costs				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
O & M Costs				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Costs				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Revenues																									
Industrial Usage Qtr (m³)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit Benefits of Industrial Water (IDR/m³)	2,740			2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740		
Industrial Benefit (IDR)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Irrigation Usage Qtr (m³)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit Benefits of Irrigation Water (IDR/m³)	0.143			0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142		
Irrigation Benefit (IDR)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Benefits (IDR)	0			0	0	0	0	0	0	0	0	0	-178,542	-16,091	-15,351	-14,611	-13,871	-13,131	-12,392	-12,272	-12,093	-11,904	-11,536	-10,933	-9,568
Net Cash Flow (IDR)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discounting (D=8%)	0.90897			0.91645	0.91712	0.91779	0.91846	0.91853	0.91861	0.91862	0.91863	0.91864	0.91865	0.91866	0.91867	0.91868	0.91869	0.91870	0.91871	0.91872	0.91873	0.91874	0.91875		
Total Qty Delivered (m³)	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EBID	42%																								
NPV (IDR)	107,510			0	0	0	0	0	0	-83,394	16,244	21,191	37,812	24,416	25,384	33,785	32,396	31,137	30,093	18,970	17,591	15,945	15,851		
PV of Total Costs (IDR)	200,085			0	0	0	0	0	0	0	33,261	9,105	12,278	7,525	6,841	6,219	5,854	5,140	4,672	4,248	3,892	3,511	28,083	2,988	
PV of Total Qty Delivered (m³)	1,592,620			0	0	0	0	0	0	0	0	349,816	29,658	349,794	235,034	228,943	187,471	1							

West Bank Central (Nett/West Bank Together) (Unit=18 Flows)																												
Hydrologic Analysis (m³/yr)																												
Year	Allocation	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031			
Water Produced		0	0	0	0	0	0	4,644,689	5,377,618	5,718,387	6,343,347	6,705,968	7,301,665	7,954,449	8,210,213	8,646,016	9,091,810	9,577,584	10,116,029	10,694,474	11,272,918	11,851,365	12,429,810	13,020,250				
Industrial Water	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Physical Losses (%)	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15				
Physical Losses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Administrative/Managerial Losses (%)	0.21	0.19	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05				
Administrative/Managerial Losses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Quality Delivered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Quality Where Bills are Collected	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Impacted Water	1.00	0	0	0	0	0	0	4,644,689	5,177,618	5,710,387	6,283,447	6,779,988	7,305,665	7,954,449	8,208,213	8,646,016	9,091,810	9,577,584	10,116,029	10,694,474	11,272,918	11,851,365	12,429,810	13,020,250				
Physical Losses (%)	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15				
Physical Losses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Administrative/Managerial Losses (%)	0.21	0.19	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05				
Administrative/Managerial Losses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Quality Delivered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Quality Where Bills are Collected	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Financial Analysis (JD at 2000 Prices)																												
Year	Period	Amount	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		
Costs																												
Total Components	TBD	1,155,810	0	0	0	0	0	566,918	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Foreign Components	31%	455,940	0	0	0	0	0	243,918	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Days & Taxes	%	0	0	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 Capital Costs	1,419,810	0	0	0	0	0	0	308,918	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Overhead Costs	0	0	0	0	0	0	0	908,918	809,900	808,918	806,918	805,918	804,918	803,918	802,918	801,918	800,918	799,918	798,918	797,918	796,918	795,918	794,918	793,918	792,918			
D & M Costs	0	0	0	0	0	0	0	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780		
Total Costs	0	0	0	0	0	0	0	508,918	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780	44,780		
Benefits																												
Industrial Usage (Qd (m³))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit Benefits of Industrial Water (JD/m³)	2.748	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740			
Industrial Benefits (JD)	0	0	0	0	0	0	0	3,735,815	4,191,819	4,602,516	5,181,812	5,691,781	6,212,365	6,781,281	7,349,114	7,917,830	8,466,948	8,986,065	9,481,183	9,981,301	10,471,419	10,951,537	11,429,655	11,899,773	12,369,891			
Impacted Usage (Qd (m³))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Unit Benefits of Impacted Water (JD/m³)	0.342	0.143	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142			
Impacted Benefits (JD)	0	0	0	0	0	0	0	525,998	581,934	663,256	733,228	815,214	878,658	935,218	1,003,914	1,085,514	1,167,113	1,248,713	1,330,413	1,422,113	1,513,813	1,605,513	1,697,213	1,788,913	1,879,613	1,971,313	2,063,013	
Total Benefits (JD)	0	0	0	0	0	0	0	525,998	581,934	663,256	733,228	815,214	878,658	935,218	1,003,914	1,085,514	1,167,113	1,248,713	1,330,413	1,422,113	1,513,813	1,605,513	1,697,213	1,788,913	1,879,613	1,971,313	2,063,013	
Net Cash Flow (JD)	0	0	0	0	0	0	0	-489,000	411,819	341,694	117,798	341,398	768,684	134,270	287,748	941,843	395,120	1,047,743	1,371,925	1,281,495	1,025,373	1,330,641	1,431,215	1,631,381	1,839,751	1,947,351	2,054,720	2,164,078
Discounting (JD % (18%))	0.98908	0.80445	0.75131	0.68300	0.63892	0.59497	0.51318	0.44651	0.42610	0.38594	0.35949	0.31883	0.28994	0.26033	0.23899	0.21763	0.19794	0.17996	0.161551	0.143513	0.125513	0.107513	0.089513	0.071513	0.053513	0.035513		
Total Qd Delivered (m³)	0	0	0	0	0	0	0	3,735,815	4,191,819	4,602,516	5,181,812	5,691,781	6,212,365	6,781,281	7,349,114	7,917,830	8,466,948	8,986,065	9,481,183	9,981,301	10,471,419	10,951,537	11,429,655	11,899,773	12,369,891	12,839,009	13,309,149	
EUR	TBD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HPV (JD)	4,794,846	0	0	0	0	0	0	-512,834	201,513	281,248	188,207	219,844	291,248	192,406	281,938	271,718	362,046	251,859	151,775	231,858	211,114	171,011	205,224	185,348	165,462	145,579	125,696	
PV of Total Costs (JD)	953,357	0	0	0	0	0	0	502,384	25,277	22,879	26,398	31,012	37,245	14,741	24,268	12,971	11,792	16,728	17,474	12,054	49,421	18,888	6,023	1,047,351	1,427,708	1,809,731	2,164,078	2,469,708
PV of Total Qd Delivered (m³)	40,641,702	0	0	0	0	0	0	0	2,897,526	3,152,123	3,104,423	2,397,594	2,194,420	2,177,384	2,100,185	1,935,251	1,950,028	1,794,308	1,701,192	1,634,971	1,565,731	1,497,385	1,427,708	1,354,241	1,284,078	1,213,909	1,143,741	
Unit Water Price (Flows)	24																											

