

Managing Water for Development

Towards a Joint Vision for Water Resources and Agriculture



Annex 5: List of PIP project proposals for agriculture/irrigation

Agriculture investment projects in the 2006-2010 PIP (projects w/ funding gaps)

Code	Name	Governorates	Duration of Implementation	Total Project Cost (USD mm)	Benef. Population (mm)	Funding Gap until 2010 (USD mm)	Water Structures?	Irrigation Structures?	On-farm Irrigation Imprvmt? (USD mm)	Irrigation Area Increase (hectar)	Irrigation Area Improved (hectar)	Water Demand Specified?	Water Savings Specified?	Water Demand Estimated (mm cbm)	Water Savings Stated (mm cbm)
PIP 1/1/1	Al-Hodeidah Agricultural & Rural Development Project	Hodeidah (1)	2008-2012	30.5	1,200	22.3	Yes	Yes	?	40,000	?	No	No	400.0	?
PIP 1/1/2	Eastern Region Integrated Rural Development Program Phase II	Mareb (2), Al Jawf (3)	2008-2012	25.1	0,682	14.9	Yes	Yes	?	?	?	No	No	?	?
PIP 1/1/3	Northern Region Integrated Rural Development Program Phase II	Sana'a (4), Hajia (5), Sada'h (6), Amran (7)	2008-2012	41.0	3,900	27.8	Yes	Yes	?	3,000	?	No	No	30.0	?
PIP 1/1/4	Agricultural Dev't in Abyan Governorate Phase II	Abyan (8)	2008-2012	35.0	0,434	23.8	Yes	Yes	?	4,118	?	No	No	4.2	?
PIP 1/1/5	West-Haja & Coastal Hadramout Districts Rural Dev't Project Phase II	Hadramout (9)	2008-2012	30.6	0,431	21.3	Yes	Yes	Yes	9,450	?	No	No	94.5	?
PIP 1/1/6	Taiz Integrated Rural Dev't Project (18 districts)	Taiz (10)	2008-2012	24.0	1,300	16.2	Yes	Yes	Yes	43,000	?	No	No	430.0	?
PIP 1/1/7	Al-Baidh Integrated Rural Dev't Project	Al-Baidh (11)	2008-2012	19.0	0,557	13.0	Yes	Yes	?	?	?	No	No	?	?
PIP 1/1/8	Lahaj Integrated Agriculture & Rural Dev't Project (15 districts)	Lahaj (12)	2008-2012	29.7	0,772	13.2	Yes	Yes	?	14,776	?	No	No	141.8	?
PIP 1/1/9	Dissemination of Modern & Improved Irrig. Systems	National	2007-2010	13.0	?	10.4	No	No	Yes	?	11,350	No	Yes	0.0	38.8
PIP 1/1/10	Hassan Dam Project	Abyan	2007-2010	95.3	1,900	88.3	Yes	?	?	3,000	?	No	No	?	?
PIP 1/1/11	Al-Khand Dam Project	Sana'a	2007-2011	181.3	1,900	133.9	Yes	?	No	No	?	nr	No	nr	?
PIP 1/1/12	Surdud Dam Project	Hodeidah	2007-2011	129.0	2,150	115.0	Yes	Yes	?	8,205	?	No	No	82.1	?
PIP 1/1/13	West-Bana Dam Project	Abyan	2007-2010	155.0	0,085	124.0	Yes	Yes	?	5,182	?	No	No	51.8	13.0
PIP 1/1/14	Reconstruction and Rehabilitation of Small Dams and Irrig. Channels	(4+5+6+7+9+10+11), Dhamar (13), Shabwa (14)	2007-2012	34.8	?	16.0	Yes	Yes	?	?	?	No	Yes	?	?
PIP 1/1/15	Irrigation Improvement Program	Hodeidah + Abyan	2009-2013	28.0	?	6.2	Yes	Yes	Yes	?	?	No	No	?	?
PIP 1/1/16	Rainfed Agriculture and Livestock Project	(1+4+5+12), Al-Mahweet	2009-2011	33.8	0,420	6.0	Yes	?	No	?	?	No	No	?	?
PIP 1/1/17	Farmer-based Dairy Production, Processing & Distribution	Hajia, Hodeidah	2009-2013	30.0	?	6.6	No	No	?	?	?	No	No	?	?
PIP 1/1/18	Improvement of Mango Cultivation	Hodeidah	2008-2012	12.0	?	6.4	?	?	Yes	?	?	No	No	?	?
PIP 1/1/19	Promotion of Sunflower Cultivation and Processing System	(1+8+12)+(4+13)+(10)+Hiba (15)	2008-2012	3.5	?	2.8	?	?	?	?	?	No	No	?	?
PIP 1/1/20	Development of Cash Crops (Mango, Coffee, Olive)	National	2007-2012	18.0	?	10.0	?	?	Yes	?	?	No	No	?	?
TOTALS				986.6	14.0	677.9				132,714				1,297.1	51.8

→ where specified, irrigation area increase sums 133 thousand hectares, which is 24 % in addition to existing irrigated land
 → nowhere is water demand for additional irrigated land or economic activity specified
 → on the basis of indicated area increase, additional water demand would be 1.3 billion cbm/year
 → it is not clear how much of this additional demand is covered by renewable resources, but it can be expected that a good share comes from groundwater
 → water savings are only specified in 2 cases, but may be offset by area increase