

Appendix H: Equivalent annual cost on different r values**Appendix H1:** At average r (yield % on U.S. treasury bonds)

Plant	Capital cost, SR (Saudi Riyals)	yield % on U.S. treasury bonds (r)	life cycle	Present value of Salvage value (PSV)*	Annuity factor (A)	Equivalent annual cost	Equivalent Annual cost* (monthly) SR
Jubail Phase 1	1,135,734,000.00	0.09	30	4,530,313.24	10.46	108,099,125.58	9,008,260.46
Jubail Phase 2	5,325,488,100.00	0.09	30	21,242,763.94	10.46	506,879,786.00	42,239,982.17
Jubail RO	945,964,543.75	0.09	30	3,773,344.55	10.46	90,036,874.84	7,503,072.90
Khobar Phase 2	1,535,564,400.00	0.09	30	6,125,191.05	10.46	146,154,970.18	12,179,580.85
Khobar Phase 3	1,245,049,800.00	0.09	30	4,966,361.49	10.46	118,503,799.90	9,875,316.66
Jeddah Phase 2	352,681,710.00	0.09	29	1,301,897.54	10.38	33,836,214.55	2,819,684.55
Jeddah Phase 3	778,115,592.75	0.09	30	3,103,814.25	10.46	74,061,017.08	6,171,751.42
Jeddah Phase 4	1,299,364,806.50	0.09	30	5,183,017.84	10.46	123,673,500.47	10,306,125.04
Jeddah RO - 1	183,537,186.54	0.09	30	732,108.88	10.46	17,469,063.51	1,455,755.29
Jeddah RO - 2	375,287,058.21	0.09	30	1,496,977.22	10.46	35,719,810.13	2,976,650.84
Yanbu Phase 1	651,407,481.05	0.09	30	2,598,390.06	10.46	62,000,943.09	5,166,745.26
Yanbu Phase 2	1,204,120,069.00	0.09	30	4,803,097.46	10.46	114,608,109.42	9,550,675.79
Yanbu RO	878,040,820.75	0.09	30	3,502,404.57	10.46	83,571,897.07	6,964,324.76
AlShuiba Ph 1	1,589,418,572.50	0.09	30	6,340,009.20	10.46	151,280,808.59	12,606,734.05
AlShuiba Ph 2	1,931,801,599.29	0.09	30	7,705,736.00	10.46	183,868,814.06	15,322,401.17
AlShugaig	501,140,080.96	0.09	30	1,998,990.56	10.46	47,698,496.78	3,974,874.73

Appendix H: contd...

Appendix H2: At maximum r (yield % on U.S. treasury bonds)

Plant	Capital cost, SR (Saudi Riyals)	yield % on U.S. treasury bonds (r)	life cycle	Present value of Salvage value (PSV)*	Annuity factor (A)	Equivalent annual cost	Equivalent Annual cost* (monthly) SR
Jubail Phase 1	1,135,734,000.00	0.14	30	1,271,659.34	7.24	156,660,613.01	13,055,051.08
Jubail Phase 2	5,325,488,100.00	0.14	30	5,962,845.78	7.24	734,585,942.07	61,215,495.17
Jubail RO	945,964,543.75	0.14	30	1,059,178.16	7.24	130,484,237.78	10,873,686.48
Khobar Phase 2	1,535,564,400.00	0.14	30	1,719,341.69	7.24	211,812,325.97	17,651,027.16
Khobar Phase 3	1,245,049,800.00	0.14	30	1,394,058.12	7.24	171,739,390.47	14,311,615.87
Jeddah Phase 2	352,681,710.00	0.14	29	381,251.25	7.22	48,800,922.78	4,066,743.57
Jeddah Phase 3	778,115,592.75	0.14	30	871,240.94	7.24	107,331,528.12	8,944,294.01
Jeddah Phase 4	1,299,364,806.50	0.14	30	1,454,873.58	7.24	179,231,481.24	14,935,956.77
Jeddah RO - 1	183,537,186.54	0.14	30	205,503.03	7.24	25,316,709.86	2,109,725.82
Jeddah RO - 2	375,287,058.21	0.14	30	420,201.64	7.24	51,766,259.17	4,313,854.93
Yanbu Phase 1	651,407,481.05	0.14	30	729,368.33	7.24	89,853,694.00	7,487,807.83
Yanbu Phase 2	1,204,120,069.00	0.14	30	1,348,229.90	7.24	166,093,634.73	13,841,136.23
Yanbu RO	878,040,820.75	0.14	30	983,125.28	7.24	121,114,991.04	10,092,915.92
AlShuiba Ph 1	1,589,418,572.50	0.14	30	1,779,641.16	7.24	219,240,850.32	18,270,070.86
AlShuiba Ph 2	1,931,801,599.29	0.14	30	2,163,000.80	7.24	266,468,400.84	22,205,700.07
AlShugaig	501,140,080.96	0.14	30	561,116.83	7.24	69,126,144.23	5,760,512.02

Appendix H: contd...

Appendix H3: At minimum r (yield % on U.S. treasury bonds)

Plant	Capital cost, SR (Saudi Riyals)	yield % on U.S. treasury bonds (r)	life cycle	Present value of Salvage value (PSV)*	Annuity factor (A)	Equivalent annual cost	Equivalent Annual cost* (monthly) SR
Jubail Phase 1	1,135,734,000.00	0.06	30	11,393,911.52	14.53	77,360,657.92	6,446,721.49
Jubail Phase 2	5,325,488,100.00	0.06	30	53,426,365.87	14.53	362,746,262.03	30,228,855.17
Jubail RO	945,964,543.75	0.06	30	9,490,106.23	14.53	64,434,488.60	5,369,540.72
Khobar Phase 2	1,535,564,400.00	0.06	30	15,405,090.37	14.53	104,595,153.67	8,716,262.81
Khobar Phase 3	1,245,049,800.00	0.06	30	12,490,589.57	14.53	84,806,716.78	7,067,226.40
Jeddah Phase 2	352,681,710.00	0.06	29	3,175,191.55	14.33	24,384,570.70	2,032,047.56
Jeddah Phase 3	778,115,592.75	0.06	30	7,806,211.86	14.53	53,001,437.13	4,416,786.43
Jeddah Phase 4	1,299,364,806.50	0.06	30	13,035,488.62	14.53	88,506,389.97	7,375,532.50
Jeddah RO - 1	183,537,186.54	0.06	30	1,841,281.91	14.53	12,501,657.52	1,041,804.79
Jeddah RO - 2	375,287,058.21	0.06	30	3,764,955.12	14.53	25,562,723.08	2,130,226.92
Yanbu Phase 1	651,407,481.05	0.06	30	6,535,050.64	14.53	44,370,698.87	3,697,558.24
Yanbu Phase 2	1,204,120,069.00	0.06	30	12,079,974.29	14.53	82,018,783.23	6,834,898.60
Yanbu RO	878,040,820.75	0.06	30	8,808,681.81	14.53	59,807,856.04	4,983,988.00
AlShuiba Ph 1	1,589,418,572.50	0.06	30	15,945,366.24	14.53	108,263,437.11	9,021,953.09
AlShuiba Ph 2	1,931,801,599.29	0.06	30	19,380,221.51	14.53	131,584,898.13	10,965,408.18
AlShugaig	501,140,080.96	0.06	30	5,027,537.91	14.53	34,135,216.85	2,844,601.40