

RED SEA - DEAD SEA WATER CONVEYANCE STUDY PROGRAM
FEASIBILITY STUDY

Draft Final Feasibility Study Report

Appendices – Volume 2
(Appendices H, I, J, K, M)



Red Sea – Dead Sea Water Conveyance Study Program Feasibility Study

Draft Final Feasibility Study Report

Table of Contents

Summary

Main Report

- Section 1 - Introduction
- Section 2 - Basic Data and Natural Conditions
- Section 3 - Climate Change
- Section 4 - The Red Sea
- Section 5 - The Dead Sea
- Section 6 - Dead Sea Water Mass Balance
- Section 7 - No Project Case
- Section 8 - Project Flow Rates, Flow Configurations and Potable Water Demands
- Section 9 - Options Screening and Evaluation Process
- Section 10 - Base Case
- Section 11 - Base Case Plus - Description of Selected Project Configurations
- Section 12 - Red Sea Intake
- Section 13 - Conveyance System - Tunnel Alignment Option 00.1
- Section 14 - Conveyance System - Tunnel / Canal Alignment Option 220.1
- Section 15 - Conveyance System - Pipeline Alignment Option
- Section 16 - Desalination Plant
- Section 17 - Hydro Power Plant
- Section 18 - Restitution of the Dead Sea
- Section 19 - Potable Water Transmission to Jordan
- Section 20 - Potable Water Transmission to Israel
- Section 21 - Potable Water Transmission to Palestinian Authority
- Section 22 - Power Supply and Transmission
- Section 23 - Environmental and Socio-Economic Baseline and Impacts
- Section 24 - Cost and Net Present Value Calculations
- Section 25 - Project Integration and Risk Management
- Section 26 - Implementation Schedule and Logistics
- Section 27 - Prototype Project and Phased Development
- Section 28 - Economic Evaluation and Determination of Unit Cost of Water
- Section 29 - Legal and Institutional Framework
- Section 30 - Indicative Financing Plan
- Section 31 - The Peace Dividend
- Section 32 - Conclusions and Recommendations

Appendices-

- Appendix A - Climate Change Study
- Appendix B - Additional Study of the Red Sea – Mid Term Report
- Appendix C - Additional Study of the Dead Sea – Mid Term Report
- Appendix D - Dead Sea Water Mass Balance Model
- Appendix E - Water Supply and Demand Projections
- Appendix F - Geosciences Report
- Appendix G - Hydrology and Flood Studies Report
- Appendix H - Onshore Biophysical Report**
- Appendix I - Socio-Economic Report**
- Appendix J - Economic Context and Evaluation**
- Appendix K - Determination of Unit Cost of Water**
- Appendix L - Drawings
- Appendix M - Miscellaneous Supporting Documents and Spreadsheets**