Table of Contents

		Page
Title pa	age	i
Table o	of contents	ii
List of	tables	V
	figures	vi
List of	abbreviations	vii
Non- to	echnical summary	viii
CHAP	TER 1: INTRODUCTION	
1.1	Project Background	1
	1.1.1 Proposed Schedule for Implementation	2
1.2	Project Site Location	3
1.3	Legal, Regulatory and Administrative Framework	5
	1.3.1 Project Promoter and Land Ownership	5
	1.3.2 Legal Requirements	5
	1.3.2.1 Environmental Protection Act 1.3.3 Zoning	6 6
1.4	Project Justification	8
	Consultation	8
CHAP	TER 2: SITE AND PROJECT DESCRIPTION	
2.1	Site Description and Surrounding Environment	10
	2.1.1 Access Road	12
	2.1.2 Climate	12
	2.1.2.1 Site Temperature Regime	12
	2.1.2.2 Site Rainfall Regime	13
	2.1.2.3 Site Wind Regime	14
	2.1.3 Coastal Characteristics	14
	2.1.3.1 Shoreline type	14
	2.1.3.2 Backshore	15
	2.1.3.3 Intertidal Zone	15
	2.1.3.4 Littoral fauna and flora	15
	2.1.4 Marine Characteristics	15
	2.1.4.1 Bathymetry	15
	2.1.4.2 Sedimentology	16
	2.1.4.3 Marine Biota, Fauna and Flora	16
	2.1.4.4 Oceanography	19
	2.1.5 Ecological Sensitivity	20
2.2	Project Description	20
	2.2.1 Design of Jetty	20
	2.2.2 Jetty Implementation	21
	2.2.3 Recreational Activity	21

CHAPTER 3: METHOD OF ASSESSMENT

3.1	Methodology for assessment of baseline data	22
	3.1.1 Survey on marine environment	22
	3.1.2 Identification of further studies	22
СН	APTER 4: PREDICTED ENVIRONMENTAL IMPACTS	
4.1	Potential impacts on Coastal environment	24
	4.1.1 Impacts on shoreline	24
	4.1.2 Impacts on littoral fauna and flora	25
4.2	Potential impacts on Marine environment	25
	4.2.1 Impacts during construction phase	25
	4.2.1.1 Impacts on sediments	25
	4.2.1.2 Impacts on marine fauna and flora	26
	4.2.1.3 Impacts on water quality	26
	4.2.1.4 Impacts on noise	26
	4.2.2 Impacts during operation phase	26
	4.2.2.1 Impacts on sediments	26
	4.2.2.2 Impacts on marine fauna and flora	27
	4.2.2.3 Impacts on hydrodynamics	27
	4.2.2.4 Impacts on water quality	27
	4.2.2.5 Impacts on boat traffic	28
	4.2.2.6 Hazards	28
СН	APTER 5: MITIGATION MEASURES	
5.1	Mitigation measures for Coastal environment	29
	5.1.1 Preservation of shoreline	29
	5.1.2 Mitigation for littoral fauna and flora	29
	Mitigation measures for Marine environment	30
	5.2.1 Mitigation for marine ecosystem	30
	5.2.2 Mitigation during building of jetty	30
	5.2.3 Mitigation for noise impact	31
	5.2.4 Mitigation for boat traffic	31
СН	APTER 6: SOCIO-CULTURAL AND SOCIO-ECONOMIC IMPACTS	
6.1	Socio-cultural aspects	32
6.2	Socio-economic aspects	32
	6.2.1 Impacts on employment	33
	6.2.2 Impacts on fishing activities	33

CI	HAPTER 7 : MONITORING AND MAINTENANCE	
7.	1 Introduction	34
7.	2 Objectives of the EMP	34
7.3	3 Potential impacts, their Mitigation and Monitoring plan	34
7.	4 Emergency Response Plan	39
	7.4.1 Oil Spillage Contingency Plan	39
	7.4.2 Fire Prevention	41
CI	HAPTER 8: ENHANCEMENT OPPORTUNITIES	42
CI	HAPTER 9 : ALTERNATIVES	-
9.	1 Introduction	43
9.2	2 Alternative location	43
9.3	3 Do-nothing scenario	45
CI	HAPTER 10: CONCLUSION	
		46
LI	ST OF ANNEXES	
1	Copy of lease agreement, survey report and Certificate of Incorporation	
2	Copy of authorization letter	
3	Copy of clearance from fishermen community	
4	Bathymetry Survey Map & Profiles at various chainages	
5	Marine Biota Survey Report	
6	Sectional elevation	