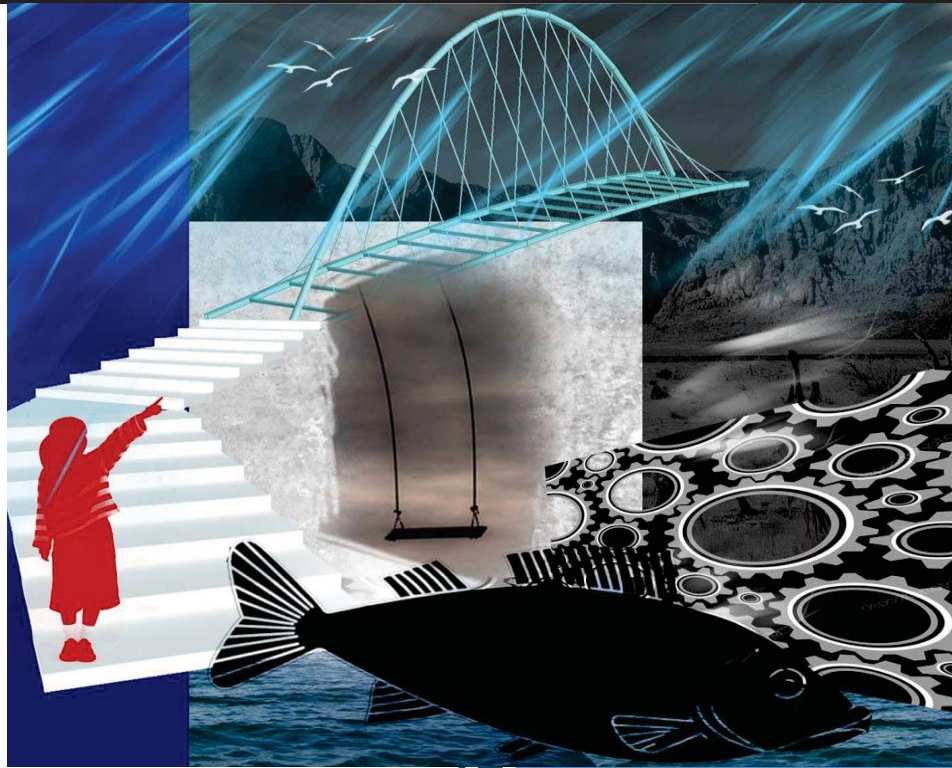


SYMBIOTIC FISHERY



Maira Aziz

15006101036

[Date]

Contents

Abstract	6
Chapter 01: INTRODUCTION	7
PROJECT OVERVIEW	7
BACKGROUND.....	7
CLIENT.....	7
REPRESENTATIVE PERSON	7
Theme of the project.....	8
Problem statement.....	8
Aims and Objectives	8
Aims	8
Objectives	9
Limitations	9
Research Methodology.....	9
Chapter 02: Literature Review	11
FISHING.....	11
INTRODUCTION OF GWADAR	11
DISTRICT MAP	12
HISTORICAL BACKGROUND	13
TRIBES ETHNIC GROUP AND LANGUAGE.....	13
CULTURE	13
CLIMATE	14
EDUCATION.....	14
TOPOGRAPHY	14
Structure and Functions of Balochistan Coastal Development Authority (BCDA)	15
ROADS	16
TRANSPORTATION.....	16
AIRPORT	16
ENERGY	16
SEA FOOD PROCESSORS AND EXPORTERS	16
FISHRIES INGWADAR	17
INTRODUCTION	18
ANNUAL PRODUCTION	18
FISHERMEN POPULATION AND FISHING CRAFT	20

FISH MARKETING, PROCESSING AND EXPORT	20
Fishing tools.....	21
Plant Location, Buildings and Layout.....	29
Chapter 04: Site Appraisal	33
INTRODUCTION	33
SITE SELECTION CRITERIA	33
3RD AND FINAL SITE.....	36
REQUIRED FACILITES: MARKS.....	36
ACCESS.....	37
BASIC INFRASTRUCTURE.....	37
PROPOSED SITE	38
TOPOGRAPHY	38
SUN ORIENTATION.....	38
WIND DIRECTION	40
Chapter 05: Case Studies	0
Local case study No. 1: Karachi Fish Harbor	0
Introduction.....	0
SPACES	0
MARITIME PROCESSING PLANT, KARACHI.....	3
CONCLUSION	3
Local case study No. 2: Gaba fish factory at GWADAR.....	3
INTRODUCTION.....	3
BASIC INFRASTRUCTURE.....	4
BUILDING STRUCTURE	7
INTERNAL FINISHES.....	7
EXTERNAL FINISHES	7
VENTILATION AND ORIENTATION:	7
ACCESS	7
VARIETY OF FISH AVAILABLE (Mostly)	7
ADMIN SECTION	7
NO. OF LABORS.....	8
FISH PROCESSED IN THE FACTORY	8

LOADING AND UNLOADING.....	8
SPACES OF FISH FACTORY.....	8
CONCLUSION	13
Local case study No. 3: FISH HARBOUR GWADER	13
INTRODUCTION.....	13
LOCATION	13
PLANNING AND DESIGN OF FISH HARBOUR.....	14
PERSONAL OBSERVATION.....	14
DEMERITS	14
PROCESS AND MARKETING	14
International Case study: FUGEE PORT, Taiwan.....	16
THE PORT	16
THE MARKET	17
NORTH ITINERARY	17
STRUCTURE.....	18
CONCLUSION	19
International case study 2: Ayala Seafood Corporation.....	19
INTRODUCTION.....	19
1-UNLOADING.....	19
2-SORTING	19
3-TRANSPORTED TO PROCESSING PLANT	20
4-WASHING.....	20
5-SCALE REMOVING & GRADING.....	20
6-DEHEADING & CUTTING	21
7-STERILIZATION	22
8-PRECOOKING	22
9-DECANTING PROCESS.....	22
10-THERMETICALLY SEALING & THERMAL PROCESSING.....	22
11-COOLING & LEBELLING:.....	22
SPATIAL ANALYSIS.....	23
Chapter 06: Program and Development	29
Conclusion	31
References.....	32

Abstract

A successful development is one which has strong roots to sustain and is compatible with the context. And the roots of the development of the area are starts from the development of the natives of that area. As Gwadar is going through huge development under CPEC so there is a prime need to develop the prevailing facilities for locals of the area so that they become the part of this development. Gwadar has got all the attributes of development of its natives due to its geostrategic location. When it comes to fishing then it is not a new thing to the people of Gwadar in fact it is deep rooted in their blood as it is the major profession of their forefathers and transfer from one generation to the next generation.

The project use the architecture as a tool to vitalize the under developed fish industry in Gwadar by providing a comprehensive fish processing factory and market while engaging the public in the process of "Catch to Cook" .The design will enhance the public experience by integrating hierarchy of spaces of exhibition, performing and Sea Food school, in this way traditional fishing culture will gradually sustain its past glory. The process inside the fish processing factory and market can be a different kind of performance, while the end of the journey like restaurants etc. marks the consumption. Since people are Gwadar people aware of fishing and probably all of them like fishing but there is platform to execute that sideline as profession and to collect revenue. So there should be appropriate proposal of the facility and it has been proposed as such facility which will contain Sea Food School, Fish market, Fish Processing plant, Museum and Performing Areas.

Chapter 01: INTRODUCTION

PROJECT OVERVIEW

The project aims to vitalize the under developed fish industry in Gwadar by providing a central comprehensive fish processing factory and market. It is a recreation of traditional fish market, fused with both the circulation of fish and the involvement of public experience. The process inside a fish processing factory and market can be a kind of performance, while the end of the journey like restaurants etc. marks the consumption.

Gwadar used to be a small fishing village. It is regretful that the economy of Pakistan nowadays almost solely depends on the financial market, and other such industries and neglect fishing industries. There is merely little public involvement or appreciation of the fish industry in Gwadar. By using an existing fishing place as a site, one can retain the history within the neighborhood and modernize traditional fish industry from it. It does not only serve as a simple factory. Public is also being educated during the process thus traditional fishing culture will gradually sustain its past glory.

BACKGROUND

A successful development is one which has strong roots to sustain and is compatible with the context. And the roots of the development of the area are starts from the development of the natives of that area. As Gwadar is going through huge development under CPEC so there is a prime need to develop the prevailing facilities for locals of the area so that they become the part of this development. The upcoming city of Gwadar has got all the attributes of development of its natives due to its geostrategic location. When it comes to fishing then it is not a new thing to the people of Gwadar in fact it is deep rooted in their blood as it is the major profession of their forefathers and transfer from one generation to the next generation.

With a coastline of 1120 km, and total fishing area of approximately 300,270 sq.km, Pakistan's fishing grounds are termed as highly rich in marine life with vast variety of species having commercial value. However this potential is not reflected in the export earnings from fisheries sector, which has remained stagnant around 150 million US\$, during last decade. ¹ This situation is mainly attributed to highly unorganized nature of private sector, lack of focus in Government policies and little institutional investment (in public and private sector) in this sector.

By looking at the socioeconomic factor, in addition to above mentioned situation, if the development of the people of Gwadar is not encouraged then it can develop hatred among them that would not be a good omen for the country.

CLIENT

Gwadar development authority & Private Investor Company

REPRESENTATIVE PERSON

Zeeshan ul Haq (Head of Fisheries, Balochistan)

¹ SMEDA, "Fisheries Development Strategy", Small and medium enterprise development authority,2011,pg 05-06