

ZANZIBAR AIRPORTS AUTHORITY PROJECTS

ZANZIBAR AIRPORTS
AUTHORITY



INTRODUCTION

- Zanzibar is a part of United Republic of Tanzania
- It consists of two main Islands, Unguja and Pemba, and several other smaller islands some of which are not inhabited. It is located in the Indian Ocean, about 30 kilometers off the East Coast of Africa south of the equator.
- The total area of Zanzibar is 2,643 sq km (Unguja 1,658 sq km and Pemba 985 sq km).
- What makes Zanzibar different to other tropical island destinations is the eclectic mix of sun, sea, sand and spice.
- history, culture and variety of excursions that makes this one of the most popular all-around beach destinations for people of all ages and interests.
- Tourism is lead sector to Zanzibar economic growth of the country



ZANZIBAR AIRPORTS AUTHORITY

- Zanzibar Airports Authority (ZAA) is the national statutory body established by the Airport Authority Act no. 8 of 2011.
- The Authority is currently responsible to manage two airports ;
 - ❖ Abeid Amani Karume International airport (CAT. A)
 - ❖ Pemba airport (CAT B).

THE MAIN ROLES OF ZANZIBAR AIRPORTS AUTHORITY

- ❖ To operate, manage, maintain and develop two airports in Zanzibar islands in a professional and cost effective manner.
- ❖ To provide comfortable, efficient and secure services and facilities for the movement of passengers and cargo in our two airports thereby giving a positive image of the country to the outside world.
- ❖ To give technical advice to the Government on the development of airports.
- ❖ To ensure that the Government's airport policies, regulations, procedures and international standards are implemented accordingly.
- ❖ To advice the Government on national and international aspects of airport management.

Pemba Airport

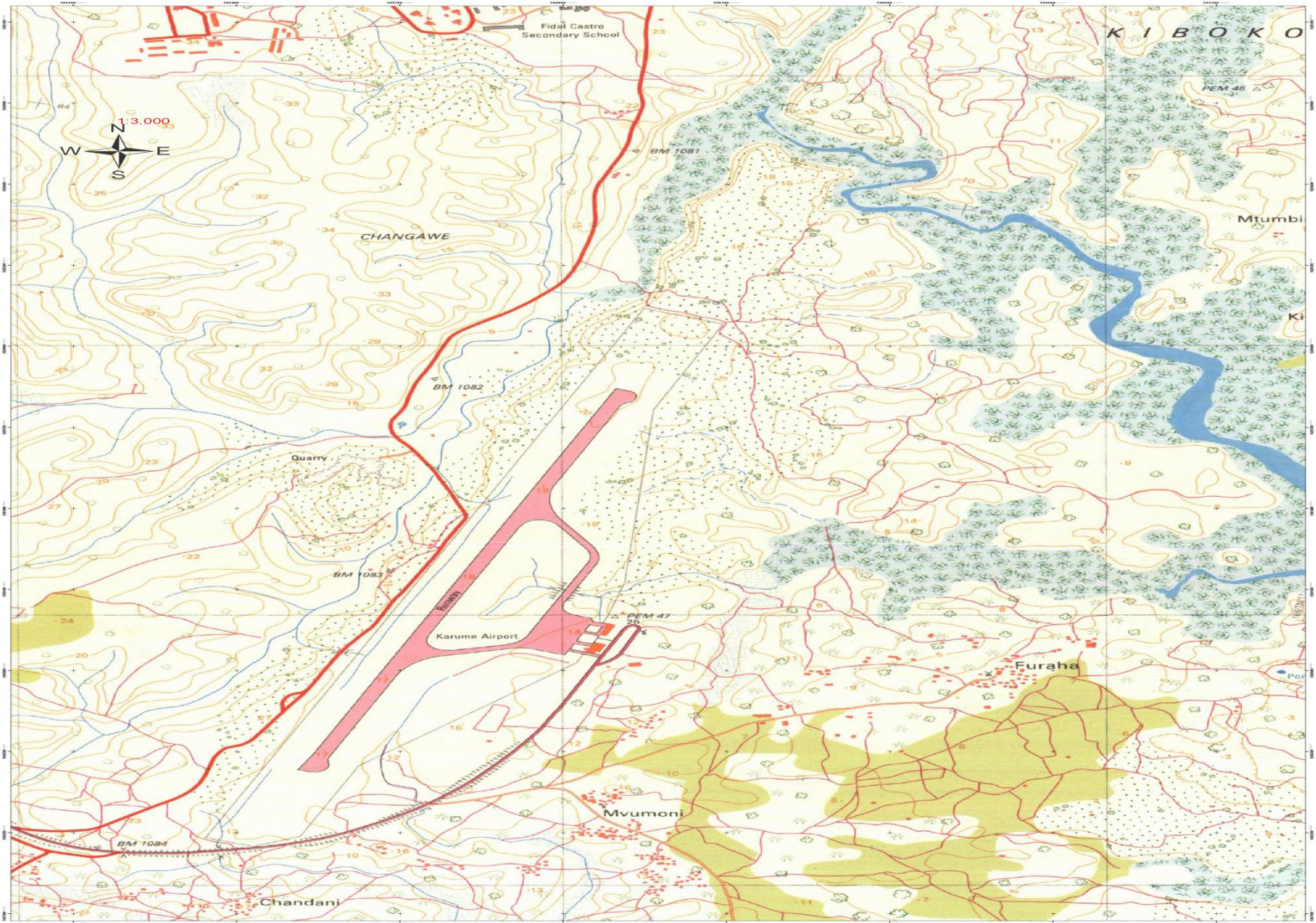
- Pemba airport was constructed in early 1970 and it consist of a two levels terminal building, single floor service building and car parking area. The airport lies approximately 5km south east of Chake Chake town .
- The general topography of the airport area is flat and the facilities comprise a paved runway 1,525 metre long and 30 metre wide on north east and south west direction and a terminal building and control tower for small operations.

Strategic location of Pemba Airport

- ❖ Pemba is ideal for airport infrastructure development because of its prominence as a green island and has a natural tourism attraction sites.
- ❖ It has potential connections between tourism destinations in East Africa.



Pemba Island
 Maßstab - Scale - Scala - Skeli
 1 : 250.000
 0 5 10 km
 0 2 5 miles



589300

590000

590700

591400

AIRPORT SURVEY PLAN WAMI 6 AND WAMI 34 SCALE 1 8000



942100

942100

942070

942070

942000

942000

941930

941930

941860

941860

941790

941790

589300

590000

590700

591400



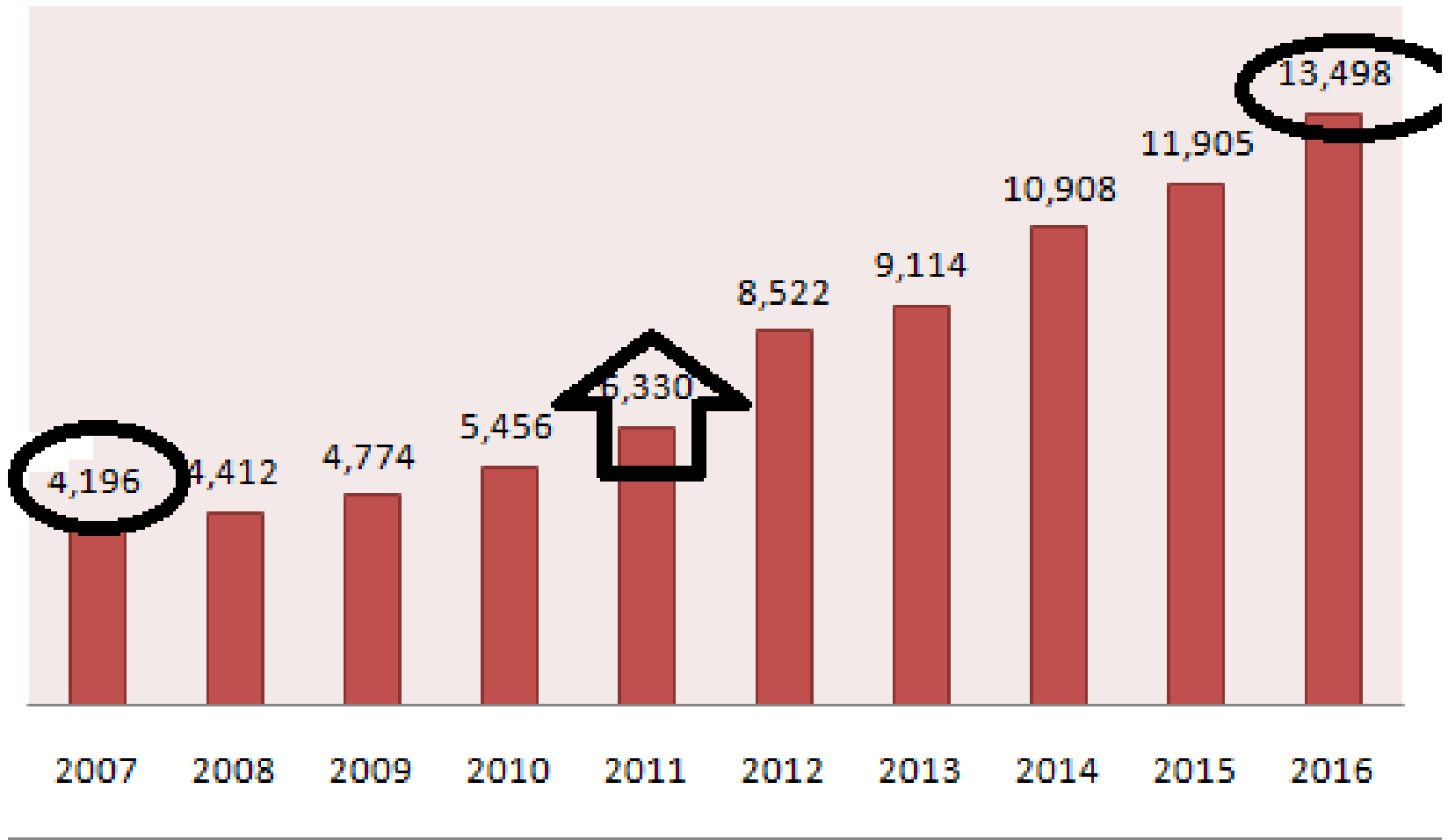
WHY IMPROVING THE AIRPORT

- Increase of the various categories of traffic, leading to saturation of the operational capacities of the airport.
 - ❖ On the basis of average estimates, passenger traffic is expected to increase to 200,450 by year 2020 as against 111,548 in year 2016.
 - ❖ This upsurge in passenger traffic requires an adaptation of infrastructures and equipment to meet demand, and enable Pemba to provide quality service in compliance with international standards and recommended practice.
- Alternate airport for Zanzibar.
- Pemba Island is experiencing notable transformations in social and economic terms (land use practices, human settlements and demographic trends, economic activities and institutional development to mention a few)
- Easy access through the airport as an alternative to sea is a major boost to the development of the Island.

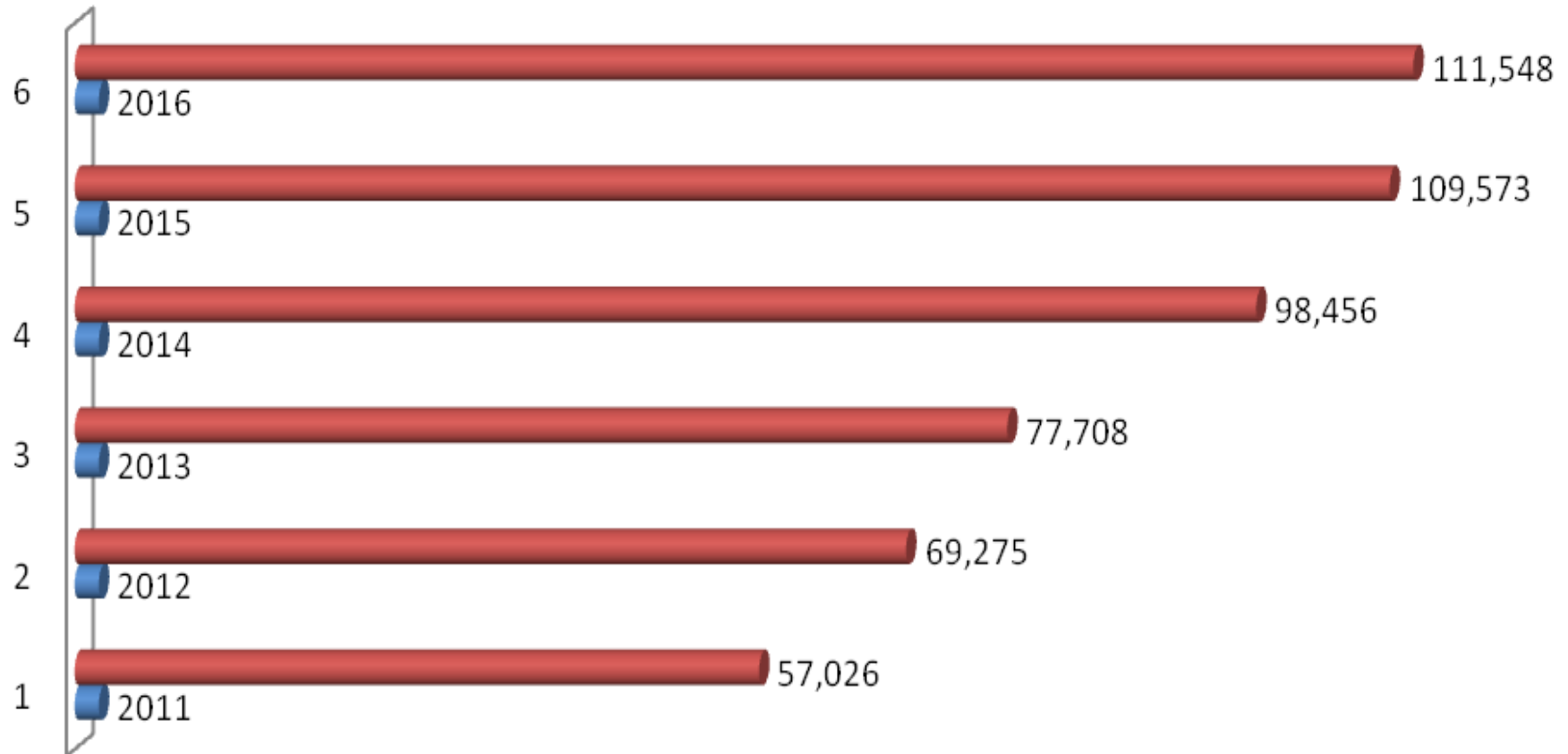
Number of passengers and aircraft movement at Pemba Airport

	AIRCRAFT MOVEMENTS			NUMBER OF PASSENGERS			
YEAR	ARIVAL	DEPARTURE	TOTAL	EMBARK	DISEMBARK	TRANSIT	TOTAL
2004	1,911	1,911	3,822	12,275	11,622	2,453	26,350
2005	2,107	2,107	4,214	14,347	13,640	2,724	30,711
2006	2,219	2,219	4,438	16,622	15,907	3,100	35,629
2007	2,098	2,098	4,196	15,369	15,033	3,284	33,686
2008	2,206	2,206	4,412	17,217	16,610	3,334	37,161
2009	2,387	2,387	4,774	19,499	19,322	4,153	42,974
2010	2,728	2,728	5,456	22,841	23,159	4,368	50,368
2011	3,165	3,165	6,330	26,842	26,578	3,606	57,026
2012	4,261	4,261	8,522	31,661	32,404	5,210	69,275
2013	4,557	4,557	9,114	36,133	36,352	5,223	77,708
2014	5,454	5,454	10,908	44,250	46,339	7,867	98,456
2015	5,951	5,954	11,905	49,535	50,919	9,123	109,573
2016	6,749	6,749	13,498	50,569	49,614	11,365	111,548

Number of aircraft movement at Pemba Airport.



Number of passengers at Pemba Airport



PROPOSED OBJECTIVES OF THE PROJECT

- The major objective of Developing Pemba Airport is to improve airport services by;
 - ❖ Rehabilitating and upgrading Pemba airport facilities and services to meet current and future demand while convening with international standards and recommended practices. That includes;
 - ❑ Extending and Widening of Existing Runway with runway lighting facilities to allow aircraft to a destination up to Dubai, part of West Africa and the island in the Indian ocean.

PROPOSED OBJECTIVES CONT...

- ❑ Construction of the terminal building to a capacity not less than 350 passengers at a time. The construction of terminal build will be in phases considering the airport master plan to cater for current demand and future development.
- ❑ Construction of new Apron to accommodate minimum two aircraft with capacity of 145 passengers each (example Boeing 737-800) and few general aviation aircraft
- ❑ Upgrading fire crash and fire rescue facilities to meet the operation of big aircraft operating at the airport.

PROPOSED OBJECTIVES CONT...

- ❑ To extend and build end to end taxiway to facilitate smooth flow of aircraft on the ground.
- ❑ To improve the existing foul drain and storm drain
- ❑ Construction of new control tower on the opposite side of terminal building for safety and security
- ❑ Construction of standard perimeter fence
- ❑ Capacity building for airport staffs
- ❑ Improve all other services and facilities such as parking Area, cargo shed, offices, and maintenance hunger.

PRELIMINARY SCOPE OF SOME PROJECT COMPONENT

- Extending runway from 1,525m to 2,150m and width of 45m.
- Construction of new two taxiway end to end of the runway to apron to the total of 2km and 25m wide
- Widening of the existing two taxiway A and B 800 and 25wide
- Construction of new apron 16,900 square meter
- Construction of new terminal building 16,000 square meter

PROJECT COST ESTIMATE

- Based on preliminary study and survey the project is estimated to cost USD 80.0 million

Current stages/ implementation of the project

- The comprehensive feasibility study, Detailed Engineering design is expected to start soon under support of AfDB funding.
- Funds for construction has not yet been acquired
- Preferable funding model; Grant or concessional loan, PPP

CONSTRRUCTION OF NUNGWI AIRPORT

PROJECT DESCRIPTION

- The project will entail the construction of new airport at Nungwi north coast of Unguja Island -Zanzibar serving small to medium aircraft .
- The selected area is the most popular tourism destination serving the larger number of tourists.
- Therefore, the Airstrip is intended to support tourism development in Zanzibar on one side and act as an alternative airport for Zanzibar International airport .
- The selected area is also appropriate for search and rescue especially during emergencies.

RATIONALE OF THE PROJECT

- In recent years Zanzibar experienced various accidents involving sea, road and fire accidents happening at north coast of Zanzibar. Sinking of ships and fire accidents in some of the hotels calls for airstrip facilities to support instant response.
- On the other hand, Unguja being an Island and tourist destination requires an alternative aerodrome to support tourism industries and other social economic and political situations.

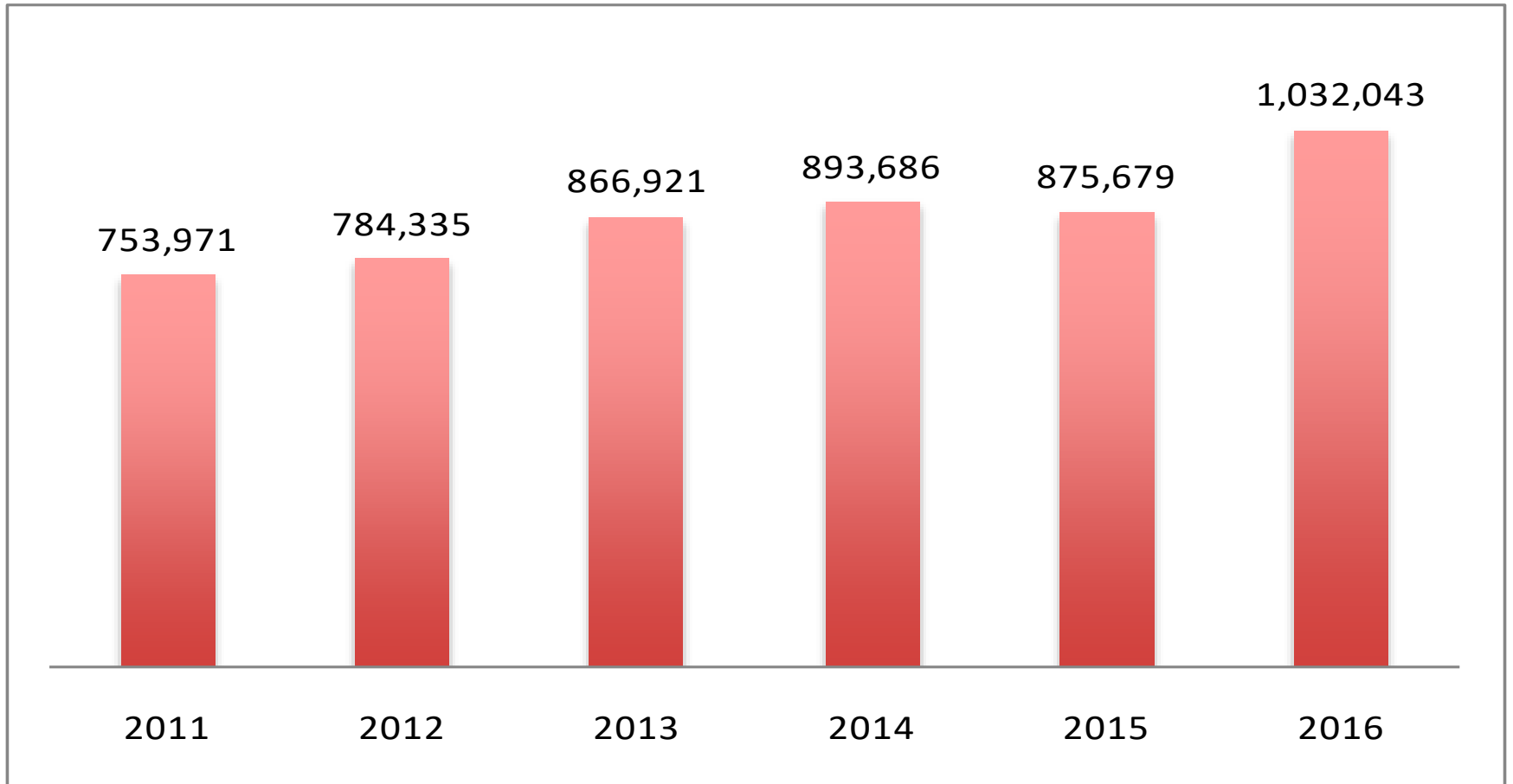
RATIONALE OF THE PROJECT CONT..

- The project will also form part of tourism circuit in East Africa region as indicated in the East Community priority airport project to support tourism development in the region.
- The development of tourism sector will boost employment opportunity within the country, thus leading to poverty reduction hence increase economic growth of the nation.

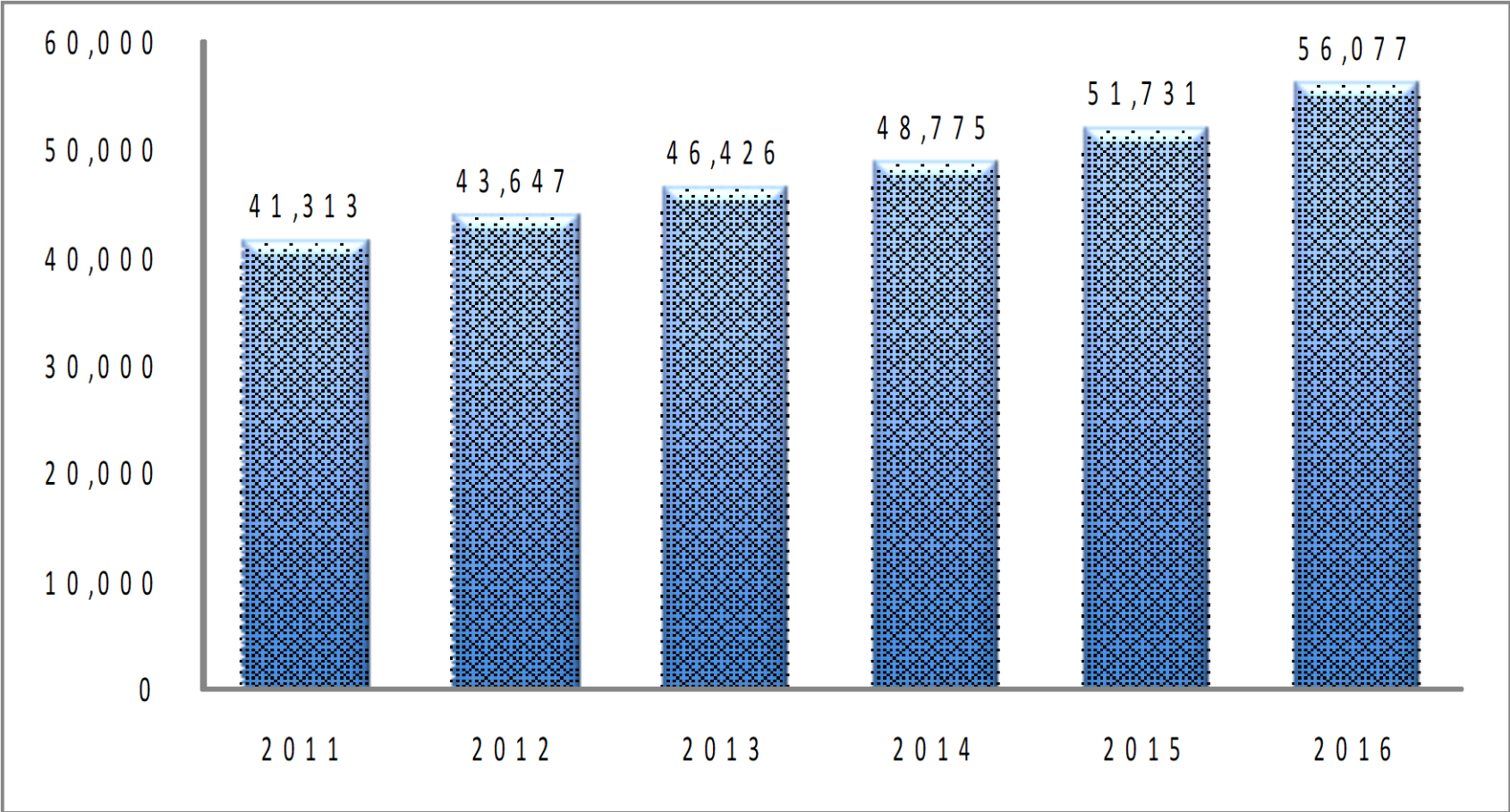
PASSENGERS AND AIRCRAFT MOVEMENTS IN UNGUJA ISLAND

	AIRCRAFT MOVEMENT					PASSENGERS					
	ARRIVAL		DEPARTURE			DISEMBARKED		EMBARKED			
YEAR	INTER	DOM	INTER	DOM	TOTAL	INTER	DOM	INTER	DOM	TRANSIT	TOTAL
2011	2,709	17,948	2,778	17,878	41,313	139,897	199,729	143,858	187,596	82,891	753,971
2012	2,988	18,864	3,087	18,708	43,647	155,654	195,345	154,215	189,408	89,713	784,335
2013	3,022	20,186	2,968	20,250	46,426	156,773	232,737	179,309	206,261	91,841	866,921
2014	3,158	21,277	3,140	21,200	48,775	198,746	203,988	170,474	233,374	87,104	893,686
2015	3,596	22,257	3,588	22,290	51,731	190,845	207,495	214,351	180,700	82,288	875,679
2016	4213	23793	4353	23718	56,077	242857	231391	286839	185818	85,138	1,032,043

PASSENGER FLOW IN UNGUJA ISLAND



AIRCRAFT MOVEMENT IN UNGUJA ISLAND



PRELIMINARY COST

- The total project cost is estimated at US Dollar 40 Millions.

Current stages/ implementation of the project

- Preparation for comprehensive feasibility study and Detailed Engineering design
- Funds for construction has not yet been acquired
- Preferable funding model; Grant or concessional loan, PPP

THE AUTHORITY MEDIUM TERM PLANS

- ⊙ ZAA is in the process conducting feasibility study and reviewing master plans aiming at identifying different viable projects that can be implemented either under PPP arrangement or private investments .
- ⊙ Some of area we have already considered for investments includes
 - ❖ Construction of Heliport at Paje
 - ❖ Construction of Cargo terminal
 - ❖ Construction fuel firm
 - ❖ Nungwi Airport
 - ❖ Construction of maintenance hanger

Advice on Korean Contractors' effective participation & Success Case/Best Practice

- There is no restriction to invest in Zanzibar as long as the investors abide with Zanzibar investment laws and regulations (please refer to the following website:)
- The tendering process is open to all investors in the world
- Airport Success Case; The new terminal Building at Zanzibar international airport is constructed by Chinese Company and supervised by France company (consultant), The rehabilitation and extension of runway and taxiway has been done by France company.

THANKS FOR YOUR ATTENTION

AVIATION

