

AVIATION, AEROSPACE & TELECOMMUNICATION SECTOR



Aviation, Aerospace and Telecommunication Sector

Project list

No	Project
1	Khartoum New International Airport (KNIA).
2	Sudan National Broadband Project.
3	Sudanese Communication Satellite (SUDASAT-1).
4	Sudanese Remote Sensing Satellite (SRSS-1).
Total	4 Projects

1. Khartoum New International Airport (KNIA)

No	Project		Data
1.1	Project Name		Khartoum New International Airport (KNIA)
1.2	Project Objectives		<ul style="list-style-type: none"> • Build up an international airport in advanced engineering and technical model to meet the rising demand for air traffic. • Improving the level of security and safety in accordance with rules and generally accepted international standards. • The transfer of modern technology to the country in the aviation industry, airports and train technical personnel in these advanced areas. • Contributing to the creation of new jobs during the construction period. • Contributing to the promotion of the country's exports by using air transportation.
1.3	Project Sector		Aviation
1.4	Project capacity.		3.2 MPPA / 80000 Ton Cargo Phase 1
1.5	Location		Khartoum State South Omdurman.
1.6	Cost (Budget)		
1.7	Time frame		40 Months from Commencement Date.
1.8	Feasibility Financial Indicators	ROI	%5.74
		PBP	20 Years
		IRR	5.65% After Financing
1.9	Market		National & International
1.10	Feasibility Study	Pre	
		Final	
1.11	Project status		<p>The project is intending to Build, Construct, Supply equipment and hardware Facilities and operate a Free Economical Zone.</p> <p>The project consists of:-</p> <ul style="list-style-type: none"> •Sea Port with 20 million Ton per year. •Industrial City. •Commercial City. •Free Economical Zone. •Residential City. •Warehouses. •Ancillary services. •Tourist Activities.

2. Sudan National Broadband Project

No	Project		Data
2.1	Project Name		Sudan National Broadband Project
2.2	Project Objectives		<ul style="list-style-type: none"> •Expand the capacity of the core network and add some top-layer application software by optimizing bearer networks to deploy the all-IP network in Sudan. •Construct a new LTE network to provide high-speed data services for high-end users in hotspot areas in Khartoum. •Cover major Sudan cities with the data network by adding 210 3G sites. After new 3G sites are deployed, the capital Khartoum. •E-Government Projects and Safe City.
2.3	Project Sector		Telecommunication Sector
2.4	Project capacity.		400 2G Sites, 210 3G Sites, 100 LTE Sites, 1716 KM Fiber, Core and IP expansion, E-Government Projects and Safe City.
2.5	Location		Whole Country, International fiber connections.
2.6	Cost (Budget)		.
2.7	Time frame		2 Years Implementation and 20 Years Finance Payback.
2.8	Feasibility Financial Indicators	ROI	24.78%.
		PBP	7.12 Years.
		IRR	15.03%.
2.9	Market		The market potential is based on 40 M population in Sudan and the international links to neighbor countries.
2.10	Feasibility Study	Pre	Available.
		Final	Available.
2.11	Project status		<ul style="list-style-type: none"> • Contract signed between CITCC and Sudatel 2013. • Feasibility Study, Environmental Impact Study concluded. • Sudatel shows payment capability & open bank account in China. • Pending for loan Approval.

3. Sudanese Communication Satellite (SUDASAT-1)

S.N.	CRITERION		Data
3.1	Project name		Sudanese Communication Satellite (SUDASAT-1).
3.2	Project objectives		<ul style="list-style-type: none"> • Provide High-quality Telecommunications and Broadcasting Services <ul style="list-style-type: none"> • TV& Radio Broadcasting • Tele-medicine • Distance Education • Rural Telephony • E-Government • Provide Public Services Especially In Low Populated Density Regions • Develop Telecomm Network <ul style="list-style-type: none"> • VoIP • Internet Access • Trunk Communication • Video Conference • Military Communications • Guarantee Resource Safety <p>Emergency Communications Disaster Relief</p>
3.3	Project sector		Space Industry.
3.4	Project capacity		<ul style="list-style-type: none"> - Establishment of space industry in Sudan. - Owning of the first Sudanese communication satellite. - Owning the Ground facilities.
3.5	Location		Khartoum North.
3.6	Cost (Budget)		
3.7	Time frame		3 Yrs
3.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
3.9	Market		
	Finance Mode		
3.10	Feasibility study	Pre	
		Final	

4. Sudanese Remote Sensing Satellite (SRSS-1)

No	Project		Data
4.1	Project Name		Sudanese Remote Sensing Satellite (SRSS-1).
4.2	Project Objectives		To generate a comprehensive, cost effective and reliable data base on the topographic Mapping, natural resources for developmental planning, exploration of natural resources, environmental monitoring, agricultural monitoring and yield estimation and beside public security (intelligence) and defense applications
4.3	Project Sector		Space Industry.
4.4	Project capacity.		<ul style="list-style-type: none"> • Establishment of space industry in Sudan. • Owning of the first Sudanese satellite. • Owning the Ground facilities.
4.5	Location		Khartoum North.
4.6	Cost (Budget)		
4.7	Time frame		28 Months.
4.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
4.9	Market		National ®ional.
4.10	Feasibility Study	Pre	
		Final	
4.11	Project status		<ul style="list-style-type: none"> • Contract Signed. • Project Financing (Under Process). • Down Payment (Under Process).