اللجنة الفنية للمشروعات القومية

ELECTRICITY SECTOR (NO 3)

PROJECT LIST

No	Project
1	Alfula Power Project.
2	220KV South Kordufan Transmission line Project.
3	Dongola 10 MW Solar Power Project.
4	Port Sudan 20 MW Solar Power Project.
5	Khartoum 340 MW Solar Power Project
6	Wad Madani 30 MW Solar Power Project..
7	AlGedaref - Solar Power Project.
8	Atbara 50 MW Solar Power Project.
9	Kasala 10 MW Solar Power Project.
10	Nyala 10 MW Solar Power Project.
11	Al-Fashir-10 MW Solar Power Project
12	Al-Geneina 10 MW Solar Power Station.
13	Dongola 100 MW Wind Power Project.
14	Nyala 20 MW Wind Power Project.
15	Red Sea 180 MW Wind Power Project.
16	Red Sea Coal Fired Power Plant.
17	Khartoum RingTransmission Line 500KV.
18	Khartoum Network Improvement Project
19	Electrical power lost process.
20	Arkai-Port Sudan, Atbara- Khartoum Transmission line Project.
21	Aroma-Dordaib -Haya -Port Sudan Transmission line Project.
22	Halfa-Abudleeg Transmission line Project.
23	West and north of Omdurman Transmission line Project.
24	Upgrading for Elroseres power station from 40 to 50 MW.
25	Sinnar power station rehabilitation.
26	Changing of blades for units (5, 6, and 7).
27	Nuclear Energy.
Total	**27 Projects**

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.1)

S.N.	CRITERION		Data
1.1	Project name.		Alfula Power Project
1.2	Project objectives.		• Meet the growing power demand for the National Power Grid. • Boost economic and social development in Kurdufan and Darfur states. • Utilize Al Fula crude oil and natural gas for power generation. • Enhance the stability of the National Power Grid. • Assist in the implementation of the Sudan's overall economic and social transformation plans.
1.3	Project sector.		Electricity .
1.4	Project capacity.		3x135 MW (405 MW thermal power generating units)
1.5	Location.		The project is located in West Kurdufan State, near the oil fields. The project site is located 900 km away from Khartoum. Al Fula steam power plant project is associated with a 220 kV double circuit transmission line from Alobaied to Babanusa.
1.6	Cost (Budget).		
1.7	Time frame		36 month.
1.8	Feasibility Financial Indicators.	ROI	-
		PBP	-
		IRR	-
1.9	Market.		National
1.10	Feasibility study.	Pre	-
		Final	-
1.11	Project status.		• Specification & tender documents are ready. • Design finished 100% • Equipments Manufacturing 40% • Transmission Equipments Transportation 95%

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.2)

S.N.	CRITERION		Data
2.1	Project name.		220KV South Kordufan Project
2.2	Project objectives.		Ensure sustainable electricity supply by supplying power to South Kordufan , and national grid.
2.3	Project sector.		Electricity.
2.4	Project capacity.		• Eight new substation tern key bases 60/60/15MVA (480MVA). • Transmission material for 630km only .
2.5	Location.		South Kordufan State
2.6	Cost (Budget).		.
2.7	Time frame		38 month
2.8	Feasibility Financial Indicators.	ROI	-
		PBP	-
		IRR	-
2.9	Market.		National
2.10	Feasibility study.	Pre	-
		Final	Feasibility study Environmental study
2.11	Project status.		• The advance payment 15% has been paid by Sudan Government. • All documents required by Export – Import Bank of China for satisfying the conditions of first drawdown has been fulfill including repayment mechanism agreement has been signed but till now we did not receive this document signed from the bank. • Kick off meeting held in Sudan on 19/12/2015 to 26/12/2015. • Design meeting and factory visits in China from 2/3 to 14/3/2016 finished.

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.3)

S.N.	CRITERION		Data
3.1	Project name.		Dongola 10 MW Solar Power Project
3.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to the national grid. • Utilizing the available clean and sustainable renewable energy to generate 10 MW from solar energy to supply the national grid by 2018. • Fuel saving
3.3	Project sector.		Renewable Energy.
3.4	Project capacity.		10 MW photovoltaic solar power plant
3.5	Location.		Dongola, the capital of Northern state
3.6	Cost (Budget).		
3.7	Time frame		3-4 months.
3.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
3.9	Market.		National
3.10	Feasibility study.	Pre	-
		Final	Available
3.11	Project status.		• Area : not secured yet.

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.4)

S.N.	CRITERION		Data
4.1	Project name.		Port Sudan 20 MW Solar Power Project
4.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to National grid. • Utilizing the available clean and sustainable renewable energy to generate 20 MW from solar energy to supply - national grid by 2018. • Fuel saving.
4.3	Project sector.		Renewable Energy.
4.4	Project capacity.		20 MW photovoltaic solar power plant
4.5	Location.		Port Sudan, at the Red Sea state. It is located in the eastern part of Sudan along the Red Sea coast
4.6	Cost (Budget).		
4.7	Time frame		3 – 6 months
4.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
4.9	Market.		National
4.10	Feasibility study.	Pre	-
		Final	Available
4.11	Project status.		• Area : not secured yet

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.5)

S.N.	CRITERION		Data
5.1	Project name.		Khartoum 340 MW Solar Power Project
5.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to National grid. • Utilizing the available clean and sustainable renewable energy to generate 340 MW from solar energy to supply the national grid by 2018. • Fuel saving.
5.3	Project sector.		Renewable Energy
5.4	Project capacity.		340 MW photovoltaic solar power plant
5.5	Location.		Khartoum Region - middle-west part of Sudan, The project will be located in 3-4 different sites near the main substations at Khartoum state.
5.6	Cost (Budget).		
5.7	Time frame		2-3 years
5.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
5.9	Market.		National
5.10	Feasibility study.	Pre	-
		Final	Available
5.11	Project status.		• Area: not secured yet.

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.6)

S.N.	CRITERION		Data
6.1	Project name.		Wad Madani 30 MW Solar Power Project.
6.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to National grid. • Utilizing the available clean and sustainable renewable energy to generate 30 MW from solar energy to supply the national grid by 2018. • Fuel saving.
6.3	Project sector.		Renewable Energy
6.4	Project capacity.		30 MW photovoltaic solar power plant.
6.5	Location.		The project will be located at Wad Madani, the capital of Al Jazeera state. It is located in the central part of Sudan about 200 km southeast of Khartoum.
6.6	Cost (Budget).		
6.7	Time frame		3 – 6 months
6.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
6.9	Market.		National
6.10	Feasibility study.	Pre	-
		Final	Available
6.11	Project status.		• Area: not secured yet.

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.7)

S.N.	CRITERION		Data
7.1	Project name.		AlGedaref - Solar Power Project
7.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to Nyala isolated grid. • Utilizing the available clean and sustainable renewable energy to generate 10 MW from solar energy to supply - Nyala Isolated grid by 2018. • Fuel saving.
7.3	Project sector.		Renewable Energy
7.4	Project capacity.		10 MW photovoltaic solar power plant
7.5	Location.		AlGedaref state, in the eastern part of Sudan about 500 km southeast of Khartoum.
7.6	Cost (Budget).		
7.7	Time frame		3 – 6 months
7.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
7.9	Market.		National
7.10	Feasibility study.	Pre	-
		Final	Available
7.11	Project status.		• Area : not secured yet.

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.8)

S.N.	CRITERION		Data
8.1	Project name.		Atbara 50 MW Solar Power Project
8.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to National grid. • Utilizing the available clean and sustainable renewable energy to generate 50 MW from solar energy to supply the national grid by 2018. • Meet the demand for electricity in Atbara industrial load area. • Fuel saving.
8.3	Project sector.		Renewable Energy.
8.4	Project capacity.		50 MW photovoltaic solar power plant.
8.5	Location.		Atbara, at the River Nile state
8.6	Cost (Budget).		
8.7	Time frame		4-8 months
8.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
8.9	Market.		National
8.10	Feasibility study.	Pre	-
		Final	Available
8.11	Project status.		• Area : not secured yet

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.9)

S.N.	CRITERION		Data
9.1	Project name.		Kasala 10 MW Solar Power Project
9.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to National grid. • Utilizing the available clean and sustainable renewable energy to generate 10 MW from solar energy to supply the national grid by 2018. • Fuel saving.
9.3	Project sector.		Renewable Energy.
9.4	Project capacity.		10 MW photovoltaic solar power plant.
9.5	Location.		Kasala, the capital of Kasala state, eastern part of Sudan about 500 km east of Khartoum
9.6	Cost (Budget).		
9.7	Time frame		3-6 months.
9.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
9.9	Market.		National
9.10	Feasibility study.	Pre	-
		Final	Available
9.11	Project status.		• Area: not secured yet.

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.10)

S.N.	CRITERION		Data
10.1	Project name.		Nyala 10 MW Solar Power Project Project
10.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to Nyala isolated grid. • Utilizing the available clean and sustainable renewable energy to generate 10 MW from solar energy to supply - Nyala Isolated grid by 2017. • Fuel saving.
10.3	Project sector.		Renewable Energy
10.4	Project capacity.		10 MW photovoltaic solar power plant
10.5	Location.		Nyala city is in the western region at 12°2′11″N 24°52′37″E.
10.6	Cost (Budget).		
10.7	Time frame		3 – 4 months
10.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
10.9	Market.		National
10.10	Feasibility study.	Pre	-
		Final	Available.
10.11	Project status.		• Area is available • Preparation of the tender document ongoing will be available in 2 months.

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.11)

S.N.	CRITERION		Data
11.1	Project name.		Al-Fashir- Solar Power Project
11.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to Nyala isolated grid. • Utilizing the available clean and sustainable renewable energy to generate 10 MW from solar energy to supply Al-Geneina Isolated grid by 2017. • Fuel saving
11.3	Project sector.		Renewable Energy
11.4	Project capacity.		10 MW photovoltaic solar power plant
11.5	Location.		Al-Fashir city is in the west region of the Sudan at 13°38′N 25°22′E.
11.6	Cost (Budget).		
11.7	Time frame		3 – 4 months
11.8	Feasibility Financial Indicators.	ROI	25.99%
		PBP	5 YEAR
		IRR	12.67
11.9	Market.		National
11.10	Feasibility study.	Pre	-
		Final	Available.
11.11	Project status.		• Area is available • Preparation of the tender document ongoing, will be available in 2 months

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.12)

S.N.	CRITERION		Data
12.1	Project name.		Al-Geneina Solar Power Station
12.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to Nyala isolated grid. • Utilizing the available clean and sustainable renewable energy to generate 10 MW from solar energy to supply Al-Geneina Isolated grid by 2017. • Fuel saving
12.3	Project sector.		Renewable Energy
12.4	Project capacity.		10 MW photovoltaic solar power plant
12.5	Location.		Al-Geneina city is in the west region of Sudan at 13°26′N 22°26′E .
12.6	Cost (Budget).		
12.7	Time frame		3 – 4 months
12.8	Feasibility Financial Indicators.	ROE	25.99%
		PBP	5 Years
		IRR	12.67
12.9	Market.		National
12.10	Feasibility study.	Pre	-
		Final	Available.
12.11	Project status.		• Area is available • Preparation of the tender document ongoing, will be available in 2 months

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.13)

S.N.	CRITERION		Data
13.1	Project name.		Dongola 100 MW Wind Power Project
13.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to National grid. • Utilizing the available clean and sustainable renewable energy to generate 100 MW from wind power to supply the national grid by 2019. • Fuel saving.
13.3	Project sector.		Renewable Energy
13.4	Project capacity.		100 MW wind turbine plant.
13.5	Location.		The Dongola wind farm is located in the northern Sudan .The project site is 10 km west of Dongola city. The available and secured land area of the project site is 49 square kilometers.
13.6	Cost (Budget).		
13.7	Time frame		17th month
13.8	Feasibility Financial Indicators.	ROE	17.13%
		PBP	7 Years
		IRR	10.10%
13.9	Market.		National
13.10	Feasibility study.	Pre	-
		Final	Available.
13.11	Project status.		• Feasibility study and technical specifications available. • Area is secured

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.14)

S.N.	CRITERION		Data
14.1	Project name.		Nyala 20 MW Wind Power Project
14.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to Nyala isolated grid. • Utilizing the available clean and sustainable renewable energy to generate 20 MW from wind power to supply Nyala isolated grid by 2018. • Fuel saving.
14.3	Project sector.		Renewable Energy
14.4	Project capacity.		20 MW wind turbine plant.
14.5	Location.		Nyala wind farm is located in the western part of the Sudan near Nyala city at the Southern Darfour state, located approximately 900 Km southwest of Sudanese capital Khartoum. The project site is 10 km west of Nyala. The available and secured land area of the project site is 8 square kilometer.
14.6	Cost (Budget).		
14.7	Time frame		18-24 months.
14.8	Feasibility Financial Indicators.	ROE	17.13%
		PBP	7 YEAR
		IRR	10.10%
14.9	Market.		
14.10	Feasibility study.	Pre	-
		Final	Available.
14.11	Project status.		• Feasibility study and technical specifications available. • Area is secured

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.15)

S.N.	CRITERION		Data
15.1	Project name.		Red Sea 180 MW Wind Power Project
15.2	Project objectives.		• Ensure sustainable electricity supply by supplying power to National grid. • Utilizing the available clean and sustainable renewable energy to generate 180 MW from wind power to supply national grid by 2019. • Fuel saving.
15.3	Project sector.		Renewable Energy
15.4	Project capacity.		180 MW wind turbine plant.
15.5	Location.		The proposed project's site is located at Toker town in red sea state.
15.6	Cost (Budget).		
15.7	Time frame		18-30 months.
15.8	Feasibility Financial Indicators.	ROE	17.13%
		PBP	7 YEAR
		IRR	10.10%
15.9	Market.		National
15.10	Feasibility study.	Pre	-
		Final	Ongoing
15.11	Project status.		• Area is available. • wind measurements completed

اللجنة الفنية للمشروعات القومية

فريق المشروعات القومية

(Elect.16)

S.N.	CRITERION		Data
16.1	Project name.		Red Sea Coal Fired Power Plant
16.2	Project objectives.		Ensure sustainable electricity supply by supplying power to National grid.
16.3	Project sector.		Electricity.
16.4	Project capacity.		2x300 MW Coal Fired Power Plant
16.5	Location.		Red Sea State 70 Km North Port Sudan
16.6	Cost (Budget).		
16.7	Time frame		-
16.8	Feasibility Financial Indicators.	ROI	-
		PBP	-
		IRR	-
16.9	Market.		National
16.10	Feasibility study.	Pre	-
		Final	Available.
16.11	Project status.		Funding and Implementation

اللجنة الفنية للمشروعات القومية

TRANSPORTATION SECTOR (NO 4)

PROJECT LIST

No	Project
1	Wagons manufacturing & locos. Rehabilitation project.
2	Khartoum Atbara Port Sudan Rail Way project.
3	3Khart. SennarElobied- AradebaBabanousa project.
4	Kassala –Al gedaref- Sennar- El damazin project.
5	Alazaza – Abdalrafi&Salloom– Sheikh Ibrahim project.
6	Nyala – Adri& Nyala –Ummdafoug project.
7	Abanousa – Nyala Babanousa-BaherAlarab project.
8	Abuhamad - Egyptian border & Babanousa-BaherAlarab project.
Total	**8 Projects**

اللجنة الفنية للمشروعات القومية

(Tra. 1)

No	Project		Data
1.1	Project Name		Rail Way Wagons Assembly & Manufacturing.
1.2	Project Objectives		To provide rail way wagons of several types to Sudanese rail way corp.& private companies
1.3	Project Sector		Transportations
1.4	Project capacity.		1000 wagon per year (5000 wagon for 5 years).
1.5	Location		GIAD INDUSTRIAL CITY, ALGAZIRA STATE
1.6	Cost (Budget)		
1.7	Time frame		5 yrs.
1.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
1.9	Market		National & International
1.10	Feasibility Study	Pre	Available
		Final	Available
1.11	Project status		Partner :Meishan , Norinco-China.

اللجنة الفنية للمشروعات القومية

(Tra2)

SN	Projects Types	Projects Name			Budget (Million Euro)			
			Rolling Stock:-		At 120 km/h		At 160 km/h (Optional)	
			Item	Qty.	Infrastructure	Rolling stock.	Infrastructure	Rolling stock.
2.1	Constructions of Rail Road's + Rolling Stock	New Railway Line Khartoum – Atbara (Parallel to the existing line) 350Km.	Heavy loco.	13				
			Shunting loco.	4				
			Wagons.	340				
			Passenger Train.	4				
			Construction of Main Depots.	1				
			Motor Trolley.	2				
			Brake Vans.	13				
			Mobile Crane.	1				
			Heavy Tamping Machine.	1				
			Small Tamping Machine.	1				

(Tra3)

SN	Projects Types	Projects Name			Budget (Million Euro)			
			Rolling Stock:-		At 120 km/h		At 160 km/h (Optional)	
			Item	Qty.	Infrastructure	Rolling stock.	Infrastructure	Rolling stock.
3.1	Constructions of Rail Road's + Rolling Stock	New railway line Khartoum – Sennar (standard gauge) Parallel to the existing line)300Km.	Heavy loco.	3				
			Shunting loco.	4				
			Wagons.	135				
			Passenger Train.	2				
			Construction of Main Depots.	1				
			Motor Trolley.	2				
			Brake Vans.	3				
			Heavy Tamping Machine.	1				
			Small Tamping Machine.	1				

(Tra4)

SN	Projects Types	Projects Name			Budget (Million Euro)			
			Rolling Stock:-		At 120 km/h		At 160 km/h (Optional)	
			Item	Qty.	Infrastructure	Rolling stock.	Infrastr ucture	Rolling stock.
4.1	Constructio ns of Rail Road's + Rolling Stock	New railway line Salloom– Sheikh Ibrahim Construction of (standard gauge) 100Km.	Heavy loco.	3				
			Shunting loco.	2				
			Wagons.	135				
			Construction of Main Depots.	2				
			Motor Trolley.	2				
			Brake Vans.	3				

(Tra5)

SN	Projects Types	Projects Name			Budget (Million Euro)			
			Rolling Stock:-		At 120 km/h		At 160 km/h (Optional)	
			Item	Qty.	Infrastructure	Rolling stock	Infrastr-ucture	Rolling stock
5.1	Constructions of Rail Road's + Rolling Stock	New Line Haiya -Kassala –Al gedaref- Sennar- El damazin. (Dual gauge)- 1104 Km	Heavy loco.	20				
			Shunting loco.	12				
			Wagons.	750				
			Passenger Train.	6				
			Construction of Main depots.	3				
			Motor Trolley.	4				
			Construction of checking depots.	1				
			Brake vans.	20				
			Rail crane.	1				
			Mobile Crane.	1				
			Heavy tamping machine.	1				
			Small tamping machine.	1				

(Tra6)

SN	Projects Types	Projects Name			Budget (Million Euro)			
6.1	Constructions of Rail Road's + Rolling Stock	New Line Port Sudan - Atbara. (Standard gauge – parallel existing line) – 598 Km.	Rolling Stock:-		At 120 km/h		At 160 km/h (Optional)	
			Item	Qty.	Infra-structure	Rolling stock.	Infrastructure	Rolling stock.
			Heavy loco.	13				
			Shunting loco.	4				
			Wagons.	340				
			Passenger Train.	4				
			Construction of Main depots.	1				
			Motor Trolley.	3				
			Brake Vans.	13				

(Tra7)

SN	Projects Types	Projects Name			Budget (Million Euro)			
			Rolling Stock:-		At 120 km/h		At 160 km/h (Optional)	
7.1	Constructions of Rail Road's + Rolling Stock	New railway line Alazaza – Abdalrafi (Ethiopia boarder) standard gauge line 220 km	Item	Qty.	Infrastruct-ure	Rolling stock.	Infrastructure	Rolling stock.
			Heavy loco.	7				
			Wagons.	135				
			Passenger Train.	4				
			Construction of Main Depots.	1				
			Construction of Checking Depots.	1				
			Brake Vans.	7				
			Mobile Crane.	1				

(Tra. 8)

No	Project		Data
8.1	Project Name		Purchasing of Two units of 2200 HP locomotives & supply of locomotives spare parts for medium repair of 10 locs.
8.2	Project Objectives		Increase Locomotive's Capacity by 20%.
8.3	Project Sector		Transportation.
8.4	Project capacity.		
8.5	Location		Khartoum.
8.6	Cost (Budget)		
8.7	Time frame		5 yrs.
8.8	Feasibility Financial Indicators	ROI	15%
		PBP	6 years
		IRR	14%
8.9	Market		National & International
8.10	Feasibility Study	Pre	Available
		Final	Available
8.11	Project status		Contract being signed with SRRC Company.

اللجنة الفنية للمشروعات القومية

TOURISM SECTOR (NO 5)

PROJECT LIST

No	Project
1	ArkweetTourist Resort.
2	Kingdom of the Nile.
3	Aldendir Tourist Resort
4	Alnagaa&Almosorat Tourist Resort.
5	Nobian Tourist Resort.
6	Al sabalooga Fall Tourist Resort.
7	Toteel Hotel & Tourist Resort.
8	Monwashi Tourist Resort.
9	Jebel Awlia Tourist Resort.
Total	**9 Projects**

اللجنة الفنية للمشروعات القومية

(Tour 1)

S N	CRITERION		Data
1.1	Project Name		Kingdoms Of The Nile.
1.2	Project Objectives		1. Increase Accommodation Facilities In Khartom, River Nile & Northern State, Since The Area Contains The Most Important Archaeological Sites Lying Between The North And The South Of The Country. 2. Increase Number Of Tourists To Enjoy Cultural, Desert, Fishing, Canoeing And Skating Over The Nile, And Medical Tourism.
1.3	Project Sector		Tourism
1.4	Project Capacity		1. WadiHalfa Museum And Tourist Resort 2. Old Dongola Tourist Resort 3. Jebel Albarkel Tourist Resort 4. Alnagaa And AlmusawaratEsafra Tourist Resort 5. SabalogaCatract Tourist Resort
1.5	Location		Northern State- (389) Km Far From Dongola Town- The Capital Of Northern State
1.6	Cost (Budget)		
1.7	Time frame		3 Years
1.8	Feasibility Financial Indicators	ROI	10.5% First Year, 15.6% Second Year, 18.3% Third Year And Up
		PBP	5 Years
		IRR	12%
1.9	Market		Local, Regional And International Market
1.10	Feasibility Study	Pre	Available
		Final	
1.11	Project Status		Proposed

اللجنة الفنية للمشروعات القومية

(Tour 2)

S N	CRITERION		**Data**
2.1	Project Name		Sudanese red sea coast.
2.2	Project Objectives		1. increase accommodation facilities in red sea state. 2. Increase number of tourists to enjoy ecotourism, diving, and underwater photographing tourism, water sports along Sudanese red sea coast line & hunting sport in the western hills of the red sea.
2.3	Project Sector		Tourism
2.4	Project Capacity		1. Arkweit tourist resort. 2. Arous tourist resort. 3. Suakin tourist resort. 4. Sanganaib tourist resort.
2.5	Location		Red sea state - along Sudanese red sea coast line about (750)km.
2.6	Cost (Budget)		
2.7	Time frame		one year
2.8	Feasibility Financial Indicators	ROI	10.5% first year, 15.6% second year, 18.3% third year and up.
		PBP	5 years.
		IRR	21%.
2.9	Market		local, regional and international market.
2.10	Feasibility Study	Pre	
		Final	√
2.11	Project Status		- Final feasibility study should be done by the investor. - Proposed.

اللجنة الفنية للمشروعات القومية

(Tour 3)

S N	CRITERION		Data
3.1	Project Name		DINDER NATIONAL PARK TOURIST RESORT
3.2	Project Objectives		To increase accommodation facilities in the state
3.3	Project Sector		Tourism .
3.4	Project Capacity		(13)Units+ Air Strip+ Conference Hall+ Restaurants
3.5	Location		Entrance of Dinder National Park
3.6	Cost (Budget)		
3.7	Time frame		One Year
3.8	Feasibility Financial Indicators	ROI	0.56%
		PBP	
		IRR	
3.9	Market		National & Regional.
3.10	Feasibility Study	Pre	Available.
		Final	
3.11	Project Status.		Proposed Final Feasibility Study should be done by the Investor.

اللجنة الفنية للمشروعات القومية

(Tour 4)

S N	CRITERION		Data
4.1	Project Name		Handicraft Center.
4.2	Project Objectives		1. Development Of The Local Community, Increase Local Income & Creation Of New Jobs. 2. Develop Local People Skills In Handicraft Industry. 3. Improve The Quality And Finishing Of Handicrafts Products. 4. Facilitate Marketing Of The Traditional Handicraft Industry And Boost Their Sales. 5. Create Jobs For Local Community Specially Women. 6. Preserve Traditional Handicraft Industries In Sudan. 7. Answer The Needs Of Tourists.
4.3	Project Sector		Tourism
4.4	Project Capacity		1. Workshop For Making Handicrafts. 2. Machines, Equipments& Raw Materials. 3. Souvenirs And Handicraft Galleries. 4. Restaurants And Cafeterias.
4.5	Location.		Khartoum State - Omdurman Province
4.6	Cost (Budget).		.
4.7	Time frame.		(6) Months
4.8	Feasibility Financial Indicators.	ROI	70%, First Year, 80% Second Year And 90% Third Year
		BEP	49%
		PBP	(3) Years
		IRR	25.6%
4.9	Market		Local, Regional And International Market
4.10	Feasibility Study	Pre	
		Final	√
4.11	Project Status.		Should Be Done By The Investor Proposed

اللجنة الفنية للمشروعات القومية

(Tour 5)

S N	CRITERION		Data
5.1	Project Name		Institute For Tourism And Hotel Training
5.2	Project Objectives		1. To Provide Students With A Comprehensive Background About Local And International Dimensions Of Tourism & Hospitality Industry 2. To Equip Students With Valuable Skills In Tourism & Hospitality Industry. 3. To Develop & Improve Career In The Tourism Sector.
5.3	Project Sector		Toursm
5.4	Project Capacity		Establishment Of Institute For Tourism And Hotel Training Contains (Lecture Rooms+Library+Store+Kitchen+Administration Offices)
5.5	Location		Khartoum State
5.6	Cost (Budget)		.
5.7	Time frame		(6) Months
5.8	Feasibility Financial Indicators	BEP	49%
		ROI	70%, First Year, 80% Second Year And 90% Third Year
		PBP	(3) Years
		IRR	25.6%
5.9	Market		Local, Regional And International Market
5.10	Feasibility Study	Pre	
		Final	√
1.11	Project Status		Should Be Done By The Investor PROPOSED.

(Tour 6)

S N	CRITERION		Data
6.1	Project Name		Old Dongola Tourist Resort
6.2	Project Objectives		1. Increase Accommodation Facilities In Northern State Since The Area Contains The Most Important Archaeological Sites Lying Between The North And The South Of The Country. 2. Increase Number Of Tourists To Enjoy Cultural, Desert, Fishing, Canoeing And Skating Over The Nile, And Medical Tourism.
6.3	Project Sector		Toursm
6.4	Project Capacity		1. Tourist Resort Of Local Materials Consists Of (50) Rooms. 2. Restaurants And Conference Hall. 3. Souvenirs And Handicraft Galleries.
6.5	Location		River Nile State, 159 Km North East Of Khartoum
6.6	Cost (Budget)		
6.7	Time frame		(6) Months
6.8	Feasibility Financial Indicators	BEP	49%
		ROI	70%, First Year, 80% Second Year And 90% Third Year
		PBP	(3) Years
		IRR	25.6%
6.9	Market		Local, Regional And International Market
6.10	Feasibility Study	Pre	
		Final	√
6.11	Project Status		Should Be Done By The Investor Proposed.

اللجنة الفنية للمشروعات القومية

(Tour 7)

SN	Criterion		Data
7.1	Project Name		Alnagaa And AlmusawaratEsafra Tourist Resort
7.2	Project Objectives		3. Increase The Accommodation Facilities In Northern State Since The Area Contains The Most Important Archaeological Sites Lying Between The North And The South Of The Country, The Lion Temple & God AmonRa'a Temple, Near The Royal City Of The Meroitic Kings And Queens. 4. Increase The Number Of Tourists To Enjoy Cultural, Desert Tourism
7.3	Project Sector		Toursm
7.4	Project Capacity		1. Tourist Resort Of Local Materials Consists Of (40) Units. 2. Restaurants And Conference Hall. 3. Souvenirs And Handicraft Galleries.
7.5	Location		River Nile State, 159 Km North East Of Khartoum
7.6	Cost (Budget)		
7.7	Time Frame		(6) Months
7.8	Feasibility Financial Indicators	BEP	49%
		PBP	15%, First Year, 19.5% Second Year, 23% Third Year, 26% Fourth Year And Up
		IRR	(3) Years
		ROI	25.6%
7.9	Market		Local, Regional And International Market
7.10	Feasibility Study	Pre	
		Final	√
7.11	Project Status		Should Be Done By The Investor Proposed.

(Tour 7)

S N	Criterion		Data
7.1	Project Name		Alnagaa And AlmusawaratEsafra Tourist Resort
7.2	Project Objectives		5. Increase The Accommodation Facilities In Northern State Since The Area Contains The Most Important Archaeological Sites Lying Between The North And The South Of The Country, The Lion Temple & God AmonRa'a Temple, Near The Royal City Of The Meroitic Kings And Queens. 6. Increase The Number Of Tourists To Enjoy Cultural, Desert Tourism
7.3	Project Sector		Toursm
7.4	Project Capacity		4. Tourist Resort Of Local Materials Consists Of (40) Units. 5. Restaurants And Conference Hall. 6. Souvenirs And Handicraft Galleries.
7.5	Location		River Nile State, 159 Km North East Of Khartoum
7.6	Cost (Budget)		
7.7	Time Frame		(6) Months
7.8	Feasibility Financial Indicators	BEP	49%
		PBP	15%, First Year, 19.5% Second Year, 23% Third Year, 26% Fourth Year And Up
		IRR	(3) Years
		ROI	25.6%
7.9	Market		Local, Regional And International Market
7.10	Feasibility Study	Pre	
		Final	√
7.11	Project Status		Should Be Done By The Investor Proposed.

اللجنة الفنية للمشروعات القومية

(Tour 9)

SN	CRITERION		DATA
9.1	Project Name		Suakin Tourist Resort.
9.2	Project Objectives		1. Increase Accommodation Facilities In Red Sea State 2. Increase Number Of Tourists To Enjoy Diving, Underwater Photographing Tourism, Water Sports & Hunting Sport In The Western Hills Of The Red Sea.
9.3	Project Sector		Tourism
9.4	Project Capacity		1. Tourist Resort Of Local Materials Consists Of (40) Units. 2. Diving Center. 3. Restaurants And Conference Hall. 4. Souvenirs And Handicraft Galleries
9.5	Location		Red Sea State -58 Km. South Of Port Sudan
9.6	Cost (Budget)		
9.7	Time Frame		One Year
9.8	Feasibility Financial Indicators	ROI	15%, First Year, 19.5% Second Year, 23% Third Year, 26% Fourth Year And Up
		BEP	5 YEARS
		IRR	21%
9.9	Market		Local, Regional And International Market
9.10	Feasibility Study	Pre	
		Final	Final Feasibility Study Should Be Done By The Investor
9.11	Project Status		Should Be Done By The Investor Proposed. Proposed

اللجنة الفنية للمشروعات القومية

WATER SCHEME SECTOR (NO 6)

PROJECT LIST

No	Project
1	Almanagil Town Water Treatment plant.
2	Water Supply Project For Al Fashir Town.
3	Rabak Town Water Supply.
4	Khartoum Water Supply Improvement Scheme.
5	Dongola Water treatment Plant.
6	Drilling of 1000 water yard project.
7	Improvement of AlDamazine Water Supply System.
8	East Gazira Water Supply project.
Total	**8 Projects**

اللجنة الفنية للمشروعات القومية

(Wat1)

No	Project		Data
1.1	Project Name		Almanagil Town Water Treatment plant.
1.2	Project Objectives		1. To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. 2. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. 3. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. 4. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
1.3	Project Sector		Water Schemes
1.4	Project capacity.		75,000 m3/day approx.
1.5	Location		Almanagil Town – Gazira State.
1.6	Cost (Budget)		
1.7	Time frame		4 yrs.
1.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
1.9	Market		National & International
1.10	Feasibility Study	Pre	
		Final	
1.11	Project status		Almanagil Town Water Treatment plant.

اللجنة الفنية للمشروعات القومية

(Wat2)

No	Project		Data
2.1	Project Name		Rabak Town Water Supply.
2.2	Project Objectives		1. To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. 2. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. 3. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. 4. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
2.3	Project Sector		Water Schemes.
2.4	Project capacity.		50,000 m3/day approx.
2.5	Location		Rabak – white Nile State.
2.6	Cost (Budget)		
2.7	Time frame		3 yrs.
2.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
2.9	Market		State.
2.10	Feasibility Study	Pre	
		Final	
2.11	Project status		

اللجنة الفنية للمشروعات القومية

(Wat3)

No	Project		Data
3.1	Project Name		Water Supply Project For Al Fashir Town.
3.2	Project Objectives		To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
3.3	Project Sector		Water Schemes
3.4	Project capacity.		50,000 m3/day approx.
3.5	Location		Al Fashir – north Darfur State.
3.6	Cost (Budget)		
3.7	Time frame		3 yrs.
3.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
3.9	Market		State.
3.10	Feasibility Study	Pre	
		Final	
3.11	Project status		

اللجنة الفنية للمشروعات القومية

(Wat4)

No	Project		Data
4.1	Project Name		Khartoum Water Supply Improvement Scheme
4.2	Project Objectives		5. To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. 6. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. 7. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. 8. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
4.3	Project Sector		Water schemes.
4.4	Project capacity.		
4.5	Location		
4.6	Cost (Budget)		
4.7	Time frame		3 yrs.
4.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
4.9	Market		National.
4.10	Feasibility Study	Pre	
		Final	
4.11	Project status .		

اللجنة الفنية للمشروعات القومية

(Wat5)

No	Project		Data
5.1	Project Name		Dongola Water treatment Plant.
5.2	Project Objectives		9. To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. 10. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. 11. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. 12. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
5.3	Project Sector		Water
5.4	Project capacity.		50,000 m3/day
5.5	Location		Dongola Town
5.6	Cost (Budget)		
5.7	Time frame		4yrs.
5.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
5.9	Market		state.
5.10	Feasibility Study	Pre	
		Final	
5.11	Project status .		

اللجنة الفنية للمشروعات القومية

(Wat6)

No	Project		Data
6.1	Project Name		Drilling of 1000 water yard project.
6.2	Project Objectives		13. To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. 14. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. 15. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. 16. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
6.3	Project Sector		Water Schemes
6.4	Project capacity.		50,000 m3/day approx.
6.5	Location		Different Towns and villages.
6.6	Cost (Budget)		
6.7	Time frame		5 yrs. (200 water yard per year).
6.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
6.9	Market		State.
6.10	Feasibility Study	Pre	
		Final	
6.11	Project status .		

(Wat7)

No	Project		Data
7.1	Project Name		Improvement of Al Damazine Water Supply System
7.2	Project Objectives		17. To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. 18. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. 19. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. 20. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
7.3	Project Sector		Water Schemes
7.4	Project capacity.		35,000 m3/day approx.
7.5	Location		Al Damazine Town - Blue Nile State
7.6	Cost (Budget)		
7.7	Time frame		3 yrs
7.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
7.9	Market		State.
7.10	Feasibility Study	Pre	
		Final	
7.11	Project status .		

اللجنة الفنية للمشروعات القومية

(Wat8)

No	Project		Data
8.1	Project Name		East Gazira Water Supply project.
8.2	Project Objectives		To provide sufficient water supply to overcome the existing shortage of safe water supply at a sustainable manner. To improve the existing management system with closed consideration to the socio-economic status of the population to reach to the appropriate tariff that will ensure the sustained water services ensure at cost effective basis. To reduce illnesses caused by the use of unsafe water due to unhygienic transport of water by venders to the towns suburbs and to maintain continuing health of the people that will ensure high profile productivity and prosperous development. To stimulate the development processes at the town locations though the elimination of the negative effects primarily caused by the short of water supply.
8.3	Project Sector		Water Schemes
8.4	Project capacity.		50,000 m3/day approx.
8.5	Location		Hassahisa and Rufaa – Gazira State.
8.6	Cost (Budget)		
8.7	Time frame		4 yrs.
8.8	Feasibility Financial Indicators	ROI	
		PBP	
		IRR	
8.9	Market		State.
8.10	Feasibility Study	Pre	
		Final	
8.11	Project status .		

اللجنة الفنية للمشروعات القومية

AVIATION, AEROSPACE AND TELECOMMUNICATION SECTOR (NO 8)

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**

PROJECT LIST

اللجنة الفنية للمشروعات القومية

(Avi 3)

S.N.	CRITERION		Data
3.1	Project name		Sudanese Communication Satellite (SUDASAT-1).
3.2	Project objectives		• Provide High-quality Telecommunications and Broadcasting Services - TV& Radio Broadcasting - Tele-medicine - Distance Education - Rural Telephony - E-Government - Provide Public Services Especially In Low Populated Density Regions • Develop Telecomm Network - VoIP - Internet Access - Trunk Communication - Video Conference • Military Communications • Guarantee Resource Safety Emergency Communications Disaster Relief
3.3	Project sector		Space Industry.
3.4	Project capacity		- 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	
3.11	Project status		

اللجنة الفنية للمشروعات القومية

(Avi.1)

No	Project		Data
1.1	Project Name		Khartoum New International Airport (KNIA)
1.2	Project Objectives		• 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		The project is intending to Build, Construct, Supply equipment and hardware Facilities and operate a Free Economical Zone. The project consists of:- •Sea Port with 20 million Ton per year. •Industrial City. •Commercial City. •Free Economical Zone. •Residential City. •Warehouses. •Ancillary services. •Tourist Activities.