

## Projects Profiles





## Upstream Business Opportunities & Project Development Framework



Business Opportunities	Production Enhancement Opportunities	Blocks	2B	Турє	Producii Block	_	
Background	<ul> <li>✓ Block 2B located in South Kordo</li> <li>✓ Past exploration activities resulted</li> <li>✓ Multi-target sands (9 layers) from</li> <li>✓ Mainly moderate to light oil 18-4</li> <li>✓ Scale oil production started in June</li> </ul>	ed in 15 stru n Aradeiba N 0 (28-35) AF	Main (1400mkb) to PI.		(1860mkb).		
Investment Opportunities	<ul> <li>Production enhancement.</li> <li>Higher returns at low investment.</li> <li>IOR/EOR opportunity to step of the step o</li></ul>	•		off etc.)	Unique Features		370km2 21,700 daily production Production facility with capacity up to 350,000 bbl/day. 180 producing wells Roads connected to Red sea. Low lifting cost
Investment Modes	<ul><li>Direct equity</li><li>Production sharing agreement</li><li>PEC Model</li></ul>	:S			Sponsor(s)		Ministry of Energy & Petroleum



Business Opportunities	Unexploited Producing Fields with Growing Potential	Blocks	2A&4	Туре	Producii Block					
Background	<ul> <li>✓ Block 2A &amp;4 located in the south</li> <li>✓ Past exploration activities resulted</li> <li>✓ Mainly moderate to light oil (20-2)</li> <li>✓ Scale oil production started in 19</li> </ul>	ed in 21 stru 30) API.	ctures.							
Investment Opportunities	<ul> <li>Lower risk exploration to incre</li> <li>Production enhancement</li> <li>Power generation utilizing prod</li> </ul>		S		Unique Features	•	2A 1139km2 block4 162 20,000 daily production Variety of products (Oil, 190 producing wells 85% unexplored area of Production 4 satellite pro CPF	with 2.6B bbl oil in p Gas, associated ga	lace. s).	e
Investment Modes	<ul><li>Direct equity</li><li>Production sharing agreement</li><li>PEC Model</li></ul>	S			Sponsor(s)		Ministry of I	Energy & Petroleun		



Business Opportunities	Attractive Exploration Play	Blocks	17	Туре	Produ Bloc	_				
Background	<ul> <li>✓ Block 17 located in the southwe</li> <li>✓ Past exploration activities resulte</li> <li>✓ Mainly moderate to light oil 17-4</li> <li>✓ Scale oil production started in Description</li> </ul>	ed in 2 struct 0 API.	ures Abu Gabra			, 14 pr	roducers/35 active	,		
Investment Opportunities	<ul> <li>Increase reserves through lov</li> <li>Production enhancement</li> <li>Heavy oil production enhance</li> </ul>	·	ation		Unique Features	•	21,000 km2 3000 daily produ Production facilit 12 producing we 95% unexplored Roads connected Low lifting cost	y with capacity lls area of the bl	•	ol /day
Investment Modes	<ul><li>Direct equity</li><li>Production sharing agreemen</li></ul>	ts			Sponsor(s)		Mini	stry of Energ	y & Petroleum	



Business Opportunities	Green Field Development Opportunity	Blocks	25	Турє	Producir Block	•	
Background	Block 25 Rawat central region local Consists of series of sub-basins. T						northern extension of the Cretaceous Melut Basin. wellhead.
Investment Opportunities	<ul> <li>Increase reserves through low</li> <li>Field development.</li> <li>Past exploration activities results in the main reservoir intervals in and Galhak Sand)</li> <li>Mainly moderate to light oil (2)</li> <li>Scale oil production started in</li> </ul>	ulted in 19 st lentified are 6-32) API.	ructures. (Galhak, Lower N		Unique Features		Approximately 8000 Square Kilometers (175 km X 50 km) Production facility need to be established 90% unexplored area of the block Abundance of seismic stratigraphic features (pinch-outs, unconformities and turbidite deposits). Potential for stratigraphic discoveries Close to export pipeline and roads is connected to Red sea.
Investment Modes	<ul><li>Direct equity</li><li>Production sharing agreement</li></ul>	ts			Sponsor(s)		Ministry of Energy & Petroleum



Business Opportunities	Blue Nile Basin	Blocks	8	Туре	Free Bloo	ck				
Background	Block 8 located 200 km to the sout The Block area is 60,513 Sq. Km. Exploration started in 1980s by Ch			onas & Su	udapet.					
Investment Opportunities	<ul> <li>ALL Block 8 wells were drilled</li> <li>The Blue Nile Basin has a producilling of 11 wells</li> <li>Blue Nile basin has most of shad gas readings and thinly interbed productivity</li> <li>Shale Gas Potential: More that rock extended through whole the same of the same o</li></ul>	ven Hydroca ale gas char edded siltsto reserve pote	rbon system bas racteristics with has nes ential and enhan	sed on nigh ce	Unique Features	•	Nine (9) G&G St  11 wells drilled w  2Wells Discover  Mixed oil/gas pro  drilled and high  Gas & Condensa	udies Perform  ith a good HC ies (Tawakul-1 one source roc TOC values. ate reserves ha	shows. (10+1)	ne wells ered.
Investment Modes	<ul><li>Direct equity</li><li>Production sharing agreement</li></ul>	S			Sponsor(s)		Mini	stry of Energy	y & Petroleum	



Business Opportunities	Red Sea Basin	Blocks	13,15,16,22 & 26	Туре	Free Bloo	k					
Background	<ul> <li>Lies in North East of Sudan, 10</li> <li>Covers 70,000 square Kilome</li> <li>700 Kms coastline on the Red</li> <li>Proven petroleum system with</li> <li>Five promising exploration acre</li> </ul>	ters   Sea   sediment th	ickness exceeds	s10000 me	eters.						
Investment Opportunities	<ul> <li>One of the last remaining from world</li> <li>Potential for sizable hydrocard Sudan is offering five blocks for Block 15 has potential gas resulted of condensate. Several instrategize the development development plan is based or each location (Bashaier and primary gas utilization option.</li> </ul>	oon discoverion licensing: serves of 382 ouse studie of the discontinuous the discontinuous disconti	ies in the pre-saltes in the pre-saltes and 13, 15, 16, 22 and 21 les were carried overed resource of Four (4) wells	t nd 26 MMBBL out to es. The ; two at	Unique Features	•	Five Exploration The blocks covered to 10451 km of Grad to 15 wells Drilled discoveries International airpand refinery are very complex Rift Geometrial Seismic imaging potential. Environmentally	ered by 1950s vity. d resulting i bort, three se very close to to ology & Salt To g is a key	n two gas an eaports, two manual he block. Tectonics to unlocking the	d conden	sate nals
Investment Modes	<ul><li>Direct equity</li><li>Production sharing agreement</li></ul>	ts			Sponsor(s) & Key Stakeholders		Minis	stry of Energy	/ & Petroleum		



Business Opportunities	Khartoum Basin	Blocks	9	Туре	Free Bloo	ck				
Background	<ul> <li>Located in the central part of S</li> <li>The basin formed during two r</li> <li>The stratigraphic succession r</li> <li>Seven wells have been drilled</li> <li>Potential source rocks in the A</li> </ul>	rifting cycles records up t I in the perio	and subdivided o 5500 m of Late od from 1987 to 2	into thre Jurasside	•		·	6, and Gezira	•	
Investment Opportunities	<ul> <li>Block9 in the central part of States 141,939.55km2</li> <li>Proven hydrocarbon system (**</li> <li>Many untested structures</li> </ul>				Unique Features		Data availability  ✓ The Block is of 2  ✓ 202 lines of 2  7 wildcat wells  The main crude of	D seismic dat	a of good region	nal grid.
Investment Modes	<ul><li>Direct equity</li><li>Production sharing agreement</li></ul>	ts			Sponsor(s) & Key Stakeholders		Mini	stry of Energy	y & Petroleum	



Project Name	Purchasing of Specialized Software License	Cost (USD) 3.75 M US	SD Ty	/pe*	R&D	Target Start Date	2021	Target End Date	2026
Project Description	Acquiring advanced petroleum E &P application upgrade the Petroleum Laboratories, Research pensitive and crucial studies and research pensitive.	arches and Studies (F	-	-	-				
Impact	<ul> <li>Adoption of the latest efficient and cost field to produce accurate exploration development plans.</li> <li>Maximization of local content.</li> <li>Improvement of national capacity in the industry.</li> </ul>	n studies and reliat	ole field	Unique Features	minir resul facili	project helps optinize environmenting from excessities.  Toroject contribute en oil and gas re	ntal foot print sive drilling ar	and capital lossend associated su	es ırface
Financing	Donation/ Self-fina	ncing		Sponsor(	5)	Ministry	of Energy &	Petroleum	



## **Natural Gas Monetization** Opportunities





Project Name	Neem NG Monetization Project (USE		Type*	Gas	Target Start Date	2022	Target End Date	2023
Project Description	For the last two decades the flared gas from Neem f Condensate for local market beside Fuel gas to gen							
Impact	<ul> <li>To benefit from the flared gas.</li> <li>Address LPG local supply shortage.</li> <li>To work as a pilot for more LPG production production</li> </ul>	ıcts	Unique Features	■ The op	e gas as clean sou oportunity for env icity supply for su	ironmental fu	nds to support th	e project
Financing	- JV - PPP		Sponsor(s)		Ministry	of Energy & I	Petroleum	



Project Name	Alfula Power Plant (USD)	250 M USD	Type*	Gas	Target Start Date	2022	Target End Date	2024
Project Description	Al-Fula Town Power plant project is set to utilize natural plant that will be connected to the National Electric Grid. Moga to treat and process the commingled gas from the	Ministry of Energ	gy is planning to co	onstruct a 10	O MMSCFD Gas	gathering & Pr	ocessing Plant lo	cated at
Impact	<ul> <li>Bridging the electricity gap in SUDAN.</li> <li>Reduce the regional inequalities in Sudan.</li> <li>Improve the environmental condition through shifting charcoal to electricity as safer source of energy.</li> <li>Reduce the LPG imports.</li> </ul>	from wood and	Unique Features	■ The lo Kordof	an.	underdevelo	ields ped areas of of factories and	
Financing	- JV		Sponsor(s)		Ministry	of Energy & F	Petroleum	



## Downstream Projects



Project Name	Port Sudan Refinery Project	Cost (USD)	6 BUSD	Type*	Down	ıstream	Target Start Date	2022	Target End Date	2026
Project Description	Building a new refinery with total capa The refinery shall process the imported	•	•	•	•	•	•	•		
Impact	<ul> <li>Cover the deficit of Sudan consumption</li> <li>Export to neighboring countries and African depth.</li> <li>Lay a concrete base for Petrochem</li> <li>Economical Utilization of Existing F</li> </ul>	I the whole vicals industr	world especially		Unique Features	<ul><li>Re</li><li>East</li><li>The</li><li>Exi</li><li>in r</li></ul>	se of importing dy-made infrast e presence of rea	y overlooks to and exporting ructure in crud ady infrastruct market insidantries.	o Red Sea coast. g to the outside de & product tern cture in the old ref de Sudan & Pote	market with ninals.
Financing				S	ponsor(s)			GOS		



Project Name	Sudan Depots Expansion Project	Cost (USD) 338.5 MUSD	Type*	Downstrea	Target Sta Date	rt 2022	Target End Date	2024
Project Description	Building a new Seven depots in differer 1. Elfashir: to serve transportation, agri 2. Eldein: to serve transportation, agri 3. Sennar: to serve transportation, agri 4. Omdurman: to serve transportation 5. Karima: to serve transportation, agri 6. Medani: to serve transportation, agri 7. Rabak: to serve transportation, agri As well as construct one products pipel 1. Medani – Sennar – Rabak: to link the	riculture and industrial sectoculture and industrial sectoriculture and industrial sector, agriculture and industrial sectoriculture and mining sectors riculture and industrial sectoriculture and industrial sectoriculture.	ors rs ors sectors ors ors					
Impact	<ul> <li>Achieve more coverage area of product available at demand area.</li> <li>Reduce the risk associated with</li> <li>Establish reliable, more safety area.</li> <li>Minimizing the transportation conpreventing the risk related to the</li> </ul>	as products shortage . nd cost effective petroleum st and environmental risk	product.	Unique Features	sectors.	ınemployment ı		riculture
Financing				Sponsor(s)		GO	S	



Project Name	Port Sudan Depots, Products Pipeline & Anchorage Upgrading Project	Cost (USD)	260 MUSD	Type*	Dow	/nstream	Target Start Date	2022	Target End Date	2024
Project Description	Upgrade the storage capacity of Port Sudan depots to 171,000 m³, Increase the transportation capacity of the products pipeline from 1 MMT to 3.2 MMT by upgrading the pump stations as well as Add one more Anchorage to accommodate 200,000 MT vessels								to 3.2	
Impact	<ul> <li>Transferring the increasing quantities in it estimated to reach 4.9 million MT/Y in Secure supplying of petroleum products.</li> <li>Helps to break the bottlenecks in Port Simport quantities.</li> <li>Minimizing the transportation cost and expreventing the risk related to the transport Reduce fines resulting from slow unload</li> </ul>	2021 s to the censudan due to environment ortation	tral Sudan o the increase i tal risk as well	n Unio	_	which ca	ility of Gasoil pip an be upgraded s' locations redu	by increasing	g its throughput	capacity.
Financing				Spons	sor(s)			GOS		



Project Name	Um Dabakir Refinery Project Cost (USD) 300 MUSD	Type*	Downstream	Target Start Date	20xx	Target End Date	20xx	
Project Description	Building a new refinery with total capacity of 20,000 BPD topping plant at Um Dabakir to process the heavy crude from South Sudan as well as the heavy crude production from Block-25 and to supply the furnace to Um Dabakir Power Plant							
Impact	<ul> <li>Extract light products out from Dar blend</li> <li>Secure Furnace supply for Um Dabakir power plant</li> <li>Process the crude of Block-25 which has no pipeline for evacual</li> <li>Supply the oil products to the neighboring countries</li> </ul>	ion. Uniqu Featur	<ul><li>Locati</li><li>Availa</li><li>Sudar</li><li>Econo</li></ul>	Capital Investme ion closeness to ability of local cru n production) omic growth will et- same would be ries	major consu ide supply po lead to increa	etential (includin esing demand lo	g South	
Financing	PBP: 5-8 years	Sponso	or(s)		GOS			



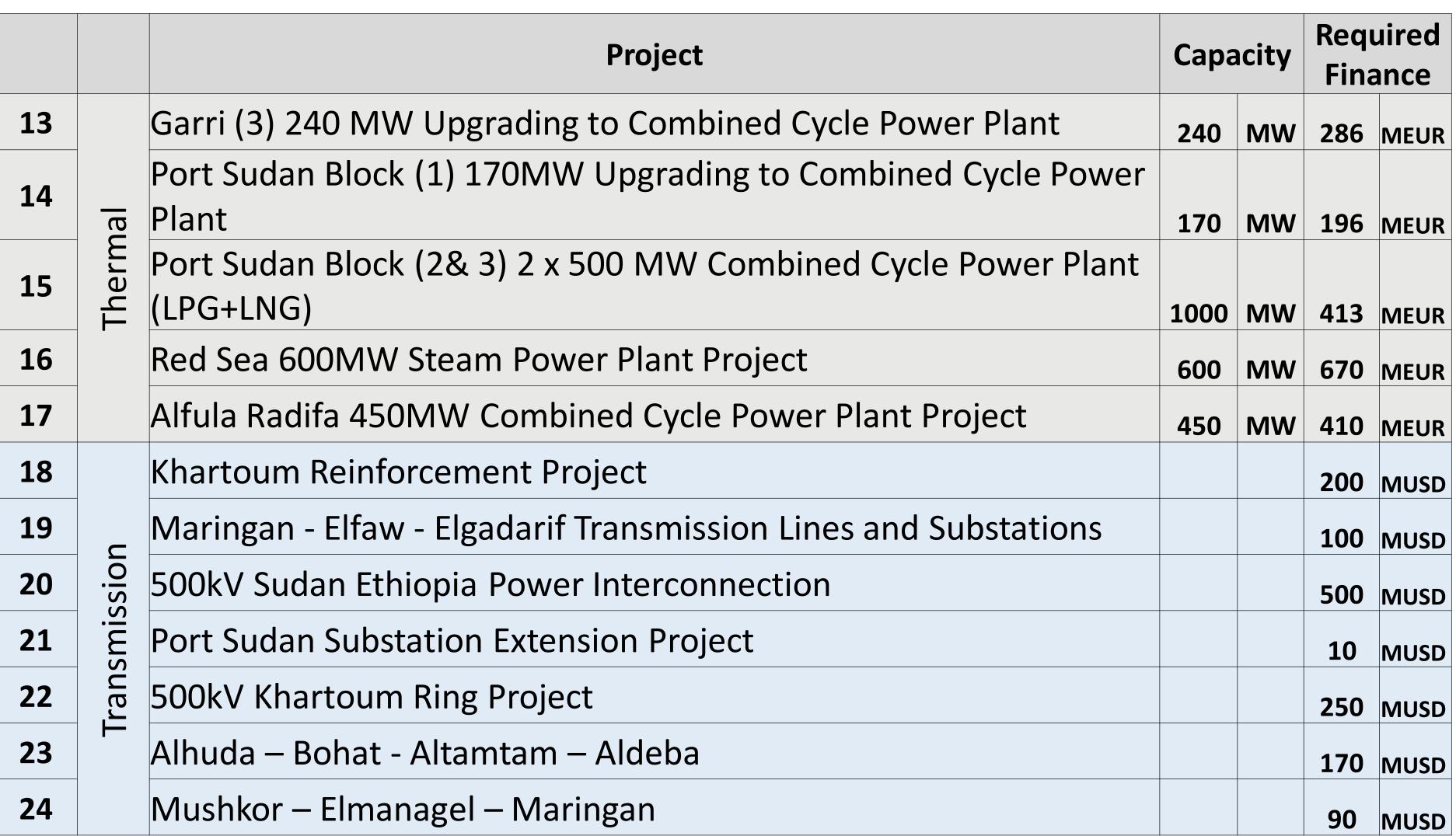




Package	Projects	Capacity		Requi Finan	Priority	
Solar	Solar PV plants	415	MWp	255.5	MUSD	Priority 1
Wind	Wind Farms		MW	375	MUSD	Priority 2
Hydro	Hydro power plants/uprating	440	MW	177MEUR 343MUSD	MEUR MUSD	Priority 3
Thermal	Upgrading to Combined Cycle Power Plant and Steam Turbines	2460	MW	1,975	MEUR	Priority 4
Transmission	Transmission Lines and Substations			1,320	MUSD	Priority 5
Total		3615	MW	2,293.5 2,152.0	MUSD MEUR	



	Package	Project	L Canacity			Required Finance	
1		Omdurman Solar Project A (200 MW)	100	MWp	120	MUSD	
2		Port Sudan Solar Park	200	MWp	60	MUSD	
3	ar _	Elobied Solar Park (100MWp)	100	MWp	62	MUSD	
4	Solar	Elgeneina Solar Photovoltaic Project (5MWp)	5	MWp	4.5	MUSD	
5	_	Kadogli Solar Photovoltaic Project (5MWp)	5	MWp	4.5	MUSD	
6	_	Zalengi Solar Photovoltaic Project (5MWp)	5	MWp	4.5	MUSD	
7	70	Dongola Wind Energy phase I	100	MW	125	MUSD	
8	Wind	Toker Wind Farm	180	MW	225	MUSD	
9		Nyala Wind Farm	20	MW	25	MUSD	
10		Roseires power plant uprating	172	MW	177	MEUR	
11	Hydro	Sennar New Power Plant	146	MW	200	MUSD	
12		Left Bank Irrigation Outlet / Hydropower Plant – Merowe Dam	122	MW		MUSD	







Project Name	Dongola Wind Energy Cost (USD) 125MUSD Ty	wind Energy	Target Start Date  Date  Target End Date  Date						
Project Description	Installation of 100MW turbines of wind Energy as phase 1 up to 700MW in later 3 phases in Dongola town in North Sudan to produce electrical energy and evacuate it to the national grid.								
Impact	<ul> <li>Contributes to the gap bridging in electrical energy</li> <li>Complements solar generation and maximizes overall renewable energy share.</li> <li>Saves 72,500 ton/year of fuel.</li> <li>Reduces GHG by 125,552.7 tonCO2/year.</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium size enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>High wind potential energy in the area.</li> <li>Close proximity to grid connection.</li> <li>Wide flat areas of land.</li> <li>Pilot project of 1MW wind turbine in the location is already under construction.</li> <li>Resource assessment, environmental and social impact studies are ready. FS almost ready.</li> <li>Foreseen agricultural transfer industries nearby.</li> <li>Project land officially allocated.</li> <li>Right of way granted to connection to grid.</li> </ul>						
Cost Impact	Fuel saving of 43.5MUSD/year	Sponsor(s)	Government of Sudan						



Project Name	Omdurman Solar Project A (200 MW)  Cost (USD)  170MUSD	e* Solar F Energy	2021 2022						
Project Description	Installation of 200MWp of the latest technology of solar PV near city Omdurman in the capital Khartoum state.								
Impact	<ul> <li>Contributes to the gap bridging in electrical energy</li> <li>Reduces overall cost of energy unit.</li> <li>Saves 92,400 ton/year of fuel.</li> <li>Reduces GHG by 157,837.68 tonCO2/year.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>High average of Direct Normal Irradiance in the area.</li> <li>Close proximity to grid connection.</li> <li>Wide flat areas of empty land.</li> <li>Feasibility study is ready.</li> <li>Project land officially allocated.</li> <li>Right of way granted to connection to grid.</li> </ul>						
Cost Impact	Fuel saving of 55.44MUSD/year	Sponsor(s)	Government of Sudan						



Project Name	Port Sudan Solar Park (USD) Cost (USD) 85MUSD	Type*	Solar PV Energy		Target Start Date	2021	Target End Date	2022	
Project Description	to produce 189,537MWh and evacuate it to the national grid.								
Impact	<ul> <li>Contributes to the gap bridging in electrical</li> <li>Reduces overall cost of energy unit.</li> <li>Saves 46,200 ton/year of fuel.</li> <li>Reduces GHG by 78,918.84 tonCO2/year.</li> <li>Stabilizes the radial power line of the city of Sudan and hence the supply of the city and harbour.</li> <li>Increases electrification rate (about 40% no</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to be economic transformation.</li> <li>Promotes growth of small, micro and mediuenterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Port w). Foost	Jnique eatures	<pre> &gt; H  t  &gt; C  &gt; V  &gt; F  &gt; F</pre>	Close proximited along the area. Close proximited along the area area. Close proximited area area area area area area area ar	of Direct Notes of Direct Notes of States of S	Normal Irrad connection. y land. y. ocated.	iance in	
Cost Impact	Fuel saving of 27.7MUSD/year	Sp	onsor(s)		Gov	ernment/	of Sudan		



Project Name	Toker Wind Farm	Cost (USD)	225MUSD	Type*	Wind Energy	,	Target Start Date	2021	Target End Date	2023
Project Description									ity of Port Su	dan to
Impact	<ul> <li>Complements solar general renewable energy</li> <li>Saves 130,500 ton/year of Reduces GHG by 225,994</li> <li>Reduces overall cost of energy</li> <li>Increases electrification restrained investment and agrarian</li> <li>Modernizes network inductor competitiveness, inclusive economic transformation</li> <li>Promotes growth of small enterprises (SMES).</li> <li>Boosts job creation poter</li> </ul>	share. If fuel. So tonConergy unitate (aboument for transformustries to e growth. I, micro a	D2/year. t. ut 40% now) agricultural nation. promote and to boos	t	Unique Features	AAA	About 160km High wind pot Wide flat area Resource asse social impact s ready. Project land of Right of way g	ential ends of lands ssment, estudies au	ergy in the arenvironmentate ready. FS a located.	ea. al and Imost
Cost Impact	Fuel saving of 78	3.3MUSD	/year	S	ponsor(s)		Go	vernment	of Sudan	

Classification - Public



Project Name	Nyala Wind Farm (USD	25M/HSD	Type* Wind Energy	/	Target Start Date	2021	Target End Date	2022
Project Description	Installation of 20 MW turbines of w 64,006MWh/yr from wind energy f			of Nyala city in Western Sudan to produce about n.				
Impact	<ul> <li>Complements solar generation a overall renewable energy share.</li> <li>Saves 14,500 ton/year of fuel.</li> <li>Reduces GHG by 25,110.54 ton</li> <li>Socioeconomic status improvem</li> <li>Reduces overall cost of energy of the linerage electrification rate (ab)</li> <li>Creates enabling environment for investment and agrarian transformation.</li> <li>Modernizes network industries competitiveness, inclusive grown economic transformation.</li> <li>Promotes growth of small, microenterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	O2/year. ent in Darfur st nit. out 40% now). or agricultural rmation. to promote th and to boost	Unique Features		High wind pote Wide flat areas Resource assessocial impact social impact	s of land. ssment, e tudies are re project ergy and f ral and in ate and s	nvironmental e ready. t nearby Nyala inance. dustrial resou urrounding st	and a city urces in
Cost Impact	Fuel saving of 8.7MUS	D/year	Sponsor(s)		Go	vernment	of Sudan	



Project Name	Elobied Solar Park (USD) Type (100MWp)	* Solar P Energy	2021 2022
Project Description	The 100MWp Elobied PV Solar park is proposed in the centre of Elobied city which is approximately 363km at the plant (and future expansions) is nearly 400 her incentivise the industrial high potential in the area.	way from	the capital Khartoum. The total area available for
Impact	<ul> <li>Contributes to the gap bridging in electrical energy.</li> <li>Reduces overall cost of energy unit.</li> <li>Saves 46,200 ton/year of fuel.</li> <li>Reduces GHG by 78,918.84 tonCO2/year.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>High average of Direct Normal Irradiance in the area.</li> <li>Close proximity to grid connection.</li> <li>Wide flat areas of empty land.</li> <li>Feasibility study is ready.</li> <li>Huge agricultural and industrial resources in North Kordufan state and surrounding states.</li> <li>Project land officially allocated.</li> <li>Right of way granted to connection to grid.</li> </ul>
Cost Impact	Fuel saving of 27.7MUSD/year	Sponsor(s)	Government of Sudan



Project Name	Elgeneina Solar Photovoltaic Cost Project (5MWp) (USD) 4.5MUSD Type	* Solar P\ Energy	Target Start Date  Date  Target End Date  Date					
Project Description								
Impact	<ul> <li>Contributes to the gap bridging in electrical energy by adding 9,800MWh/year.</li> <li>Reduces overall cost of energy unit.</li> <li>Reduces GHG by 7,128 tonCO2/year.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>High average of Direct Normal Irradiance in the area.</li> <li>Huge agricultural and transfer industrial resources in the area.</li> <li>500 hectares available for project site.</li> <li>Project land officially allocated.</li> </ul>					
Cost Impact	Fuel saving of ????MUSD/year	Sponsor(s)	Government of Sudan					



Project Name	Kadogli Solar Photovoltaic Project (5MWp)  Cost (USD)  4.5MUSD  Type	Solar P\ Energy	Target Start Date  Date  Target End Date  Date
Project Description	A solar PV park with total capacity of 5MW as clean, sust to generate electrical energy that will feed the isolated a		
Impact	<ul> <li>Contributes to the gap bridging in electrical energy by adding 9,800MWh/year.</li> <li>Reduces overall cost of energy unit.</li> <li>Reduces GHG by 7,128 tonCO2/year.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>High average of Direct Normal Irradiance in the area.</li> <li>Huge agricultural and transfer industrial resources in the area.</li> <li>500 hectares available for project site.</li> <li>Project land officially allocated.</li> </ul>
Cost Impact	Fuel saving of ????MUSD/year	Sponsor(s)	Government of Sudan



Project Name	Zalengi Solar Photovoltaic Cost Project (5MWp) 4.5MUSD Type	* Solar P\ Energy	Target Start Date  Date  Target End Date  Date			
Project Description	A solar PV park with total capacity of 5MW as clean, sustainable energy project utilizing the abundant solar irradiation to generate electrical energy that will feed the isolated grid of Zalengi city in Central Darfur state.					
Impact	<ul> <li>Contributes to the gap bridging in electrical energy by adding 9,800MWh/year.</li> <li>Reduces overall cost of energy unit.</li> <li>Reduces GHG by 7,128 tonCO2/year.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural</li> <li>Unique</li> </ul> High average of Direct Normal Irradiance in area. Huge agricultural and transfer industrial					
Cost Impact	Fuel saving of ????MUSD/year	Sponsor(s)	Government of Sudan			



Project Name Project Description	Roseires power plant uprating  Replacement of major turbine parts of the existing 7x4 feasibly increase plant installed capacity by 162 MW (+ (5-7) from (40 to 70 MW)}.	electric 10MW units	Date Date Date 2021 Date 2027  Sometimes, runner hub, and generator at Roseires dam. Will
Impact	<ul> <li>Contributes to the gap bridging in electrical energy.</li> <li>Harnesses more hydro-electric wasted energy.</li> <li>Enhances stability of the national grid.</li> <li>Saves 177,390.00 ton/year of fuel.</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>Modification to existing clean energy power station.</li> <li>Feasibility study is ready.</li> <li>Tender Documents under preparation (99% completed).</li> <li>Ethiopian Renaissance dam will maintain sustainable inflow upstream.</li> </ul>
Cost Impact	Fuel saving of 88.695MUSD/year	Sponsor(s)	Government of Sudan



Project Name	Sennar New Power Plant (USD)	200MUSD	Type* Hydro-electric		Target Start Date	2021	Target End Date	2025
Project Description	Construction of a new powerhouse 146MW capacity (4 units Bulb turbines X 36.5MW) in existing Sennar dam on the Blue Nile river, approximately 320km Southeast of Khartoum and 270 km downstream Roseires Dam. The existing power house is a 2x7.5MW Kaplan turbines set.							
Impact							n. ires dam	
Cost Impact	Fuel saving of 63.948MU	SD/year	Sponsor(s)		Gov	ernment	of Sudan	



Project Name	Left Bank Irrigation Outlet / Hydropower Plant – Merowe Dam  Cost (USD)  1431	ЛUSD Туре	* Hydro- electric	Target Start Date	2021	Target End Date	2024
Project Description	Installation of 3 New Francis units X 40.7MW (122.1 MW total) on left bank irrigation outlet of Merowe dam Located downstream of the 4 <sup>th</sup> cataract of the River Nile, about 350km North of Khartoum.						
Impact	<ul> <li>Contributes to the gap bridging in electrical energy.</li> <li>Harnesses more hydro-electric wasted energy.</li> <li>Enhances stability of the national grid.</li> <li>Saves 80,154.00 ton/year of fuel.</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> </ul>						and
Cost Impact	Fuel saving of 40.077MUSD/year	Sponsor(s)		Governme	ent of S	udan	



			SODAN DISCONSISSION OF STREET			
Project Name	Garri (3) 240 MW Upgrading to  Combined Cycle Power Plant (CCPP)  Combined Cycle Power Plant (CCPP)  Cost (EUR)  MEUI	Tvne <sup>*</sup>	Waste Heat Recovery Target Start Date 2021 End Date 2025			
Project Description	Upgrading of Garri 3 Ongoing OCPP project which is under commissioning phase now to CCPP. The existing plant includes 3x187MW Siemens GT (Iso Mode). The project is technically and economically feasible.					
Impact	<ul> <li>Contributes to the gap bridging in electrical energy.</li> <li>Harnesses waste heat energy.</li> <li>Saves 550,050.91 ton/year of fuel.</li> <li>Increases Garri 3 plant efficiency by more than 20%</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>240MWe from waste heat recovery.</li> <li>All necessary equipment needed for not interrupting the operation of the OCPP during upgrading to CCPP are ready.</li> <li>Energy source secured.</li> <li>Installed gas turbines (3x187MW) are multi fuel.</li> <li>Power plant fuel piped from adjacent refinery strategic storage.</li> <li>Project site ready for construction.</li> </ul>			
Cost Impact	Fuel saving of 247.523MUSD/year	Sponsor(s)	Government of Sudan			



			SODAN DISCONSISTENCE OF THE STATE OF THE STA
Project	Port Sudan Block (1) 170MW Upgrading Cost 196	Tvn	Waste Heat Target 2021 Target 2024
Name	to Combined Cycle Power Plant (CCPP) (EUR) MEU	JR A	Recovery Start Date End Date
Project	Upgrading of Port Sudan Ongoing OCPP project which	is under co	onstruction phase now to CCPP. The existing plant
Description	includes 2x187MW Siemens GT (Iso Mode). The project	is technica	lly and economically feasible.
Impact	<ul> <li>Contributes to the gap bridging in electrical energy.</li> <li>Harnesses waste heat energy.</li> <li>Enhances stability of the national grid.</li> <li>Increases plant efficiency by more than 20%.</li> <li>Saves 389,619.40 ton/year of fuel.</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>170MWe from waste heat recovery.</li> <li>All necessary equipment needed for not interrupting the operation of the OCPP during upgrading to CCPP are ready.</li> <li>Energy source secured.</li> <li>Installed gas turbines (2x187MW) are multi fuel.</li> <li>Close proximity to the main port of Sudan.</li> <li>Project site ready for construction.</li> </ul>
Cost Impact	Fuel saving of 175.329MUSD/year	Sponsor(s)	Government of Sudan



Project Name	· · · ·	ost UR) 413 MEI	JR Type*	ССРР	Target Start Date	2021	Target End Date	2024
Project Description	Installation of 2x500MW Combined Cycle Power Plant about 4km to the South of Port Sudan city (the main port of Sudan). LPG and LNG fuel types are to be used which can easily be secured through the port.							
Impact	<ul> <li>Contributes to the gap bridging in electrical energy</li> <li>Enhances stability of the national grid.</li> <li>Saves 420,480.00 ton/year of fuel.</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium size enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	total in country supply  Close project  Project	nstalled y whic gap. oroxim ility stu t site r	te to about generation has equivality to the mady is ready eady for congranted to	n capa ent to nain po /.	city in the the preser of Sudar	nt n.
Cost Impact	Fuel saving of 94.608MUSD/year	Sponsor(s)		G	overnment	of Sud	an	



Project Name	Red Sea 600MW Steam Power Cost (EUR) 670 Hant Project (EUR) MEUR	Therm Genera	al Power Target Start Date 2021 Target End Date 2024				
Project Description	Installation of 600MW thermal power plant of steam turbines about 60km to the North of Port Sudan city (the main port of Sudan). Coal fuel type is to be used which can easily be secured through the port.						
Impact	<ul> <li>Contributes to the gap bridging in electrical energy.</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>Will contribute to about 17% increase to the total installed generation capacity in the country.</li> <li>Close proximity to the main port of Sudan.</li> <li>Feasibility study is ready.</li> <li>Project site ready for construction.</li> <li>Right of way granted to connection to grid.</li> <li>Nearby potential of large mining industry elaborated by feasibility study.</li> <li>Free customer trading and industry zone planned close to this project.</li> </ul>				
Cost Impact	Fuel saving of 39.420MUSD/year	Sponsor(s)	Government of Sudan				



				SODAN DISCOLUTION OF THE PROPERTY OF THE PROPE			
Project Name	Alfula Radifa 450MW Combined Cycle Power Plant Project (CCPP)	Cost (EUR)	410 MEUR	Type* CCPP Target Start Date 2021 Target End Date 2024			
Project Description	Installation of 450MW electricity generation capacity 4km to the North of Alfula town in the state of North Kordufar in the middle area of Sudan. The project is planned to utilize the associated and non-associated natural gas from nearby oil fields.						
Impact	<ul> <li>Contributes to the gap bridging in electrical end</li> <li>Improves overall environmental impacts.</li> <li>Saves 197,100.00 ton/year of fuel.</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40% now).</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	t	Unique Features	<ul> <li>Will contribute to about 13% increase to the total installed generation capacity in the country.</li> <li>Feasibility study is ready.</li> <li>Associated and non-associated natural gas reserves discovered nearby.</li> <li>Project site ready for construction.</li> <li>Grid transmission Substation adjacent to project site.</li> <li>Project reached tender evaluation phase and cancelled for insufficient finance.</li> </ul>			
Cost Impact	Fuel saving of 88.695MUSD/year		Sponsor(s)	Government of Sudan			



Project Name	Khartoum Reinforcement Project (USD) 200 MUSD	Type*	Transmission	Target 202 Start Date	Target End Date	2023
Project Description	Construction of 220&110kV transmission lines, 2 new su	bstations a	and the extension	n of 9 existing su	bstations.	
Impact	<ul> <li>Increases electrification rate (about 40% now).</li> <li>Reduces overall system losses.</li> <li>Maintains a continuous and reliable supply of electric power in the strategic state of Khartoum.</li> <li>Relieves the bottlenecks in the transmission grid.</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	_	udy is ready. ready for const granted to tran		es.
Cost Impact	Awaiting data from SETCO	Sponsor(s)	G	overnment of S	udan	



Project Name	Maringan - Elfaw - Elgadarif Transmission Cost (USD) MU	Tvpe*	* Transmission Target Start Date 2021 Target End Date 2023
Project Description	Construction of 224km of 220kV transmission lines in substations.	n addition	to a new substation and extension of 2 existing
Impact	<ul> <li>Increases electrification rate (about 40% now).</li> <li>Reduces overall system losses.</li> <li>Relieves the bottlenecks in the transmission grid.</li> <li>Provides alternative to evacuate power imported from Ethiopia and Upper Atbara Dam.</li> <li>Improves the voltage profile in Gazeira area.</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>Huge energy potential from Ethiopia Renaissance Dam.</li> <li>Feasibility study is ready.</li> <li>Project sites ready for construction.</li> <li>Right of way granted to transmission lines.</li> </ul>
Cost Impact	Awaiting data from SETCO	Sponsor(s)	Government of Sudan



Project Name	500kV Sudan Ethiopia Power Interconnection	Cost (USD)	500 MUSD	Type*	Transmission	Target Start Date	2021	Target End Date	2023
Project Description	Construction of 500kV transmission line substations.	with a le	ength of	590km	n, 2 new substa	tions and e	extens	ion of 2 e	existing
Impact	<ul> <li>Contributes to the gap bridging in electr</li> <li>Reduces overall cost of energy unit.</li> <li>Increases electrification rate (about 40%</li> <li>Creates enabling environment for agricular investment and agrarian transformation</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to economic transformation.</li> <li>Promotes growth of small, micro and menterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	now). Iltural ote o boost	Un Fea	ique tures	<ul> <li>Huge energy Renaissance</li> <li>Feasibility stu</li> <li>Tender docum</li> <li>Project sites</li> <li>Right of way</li> </ul>	Dam.  udy is ready  ments are ready  ready for co	eady. <mark>onstru</mark>	ction.	e.
Cost Impact	Awaiting data from SETCO		Spon	sor(s)	G	overnment	of Suc	lan	



Project Name	Port Sudan Substation Extension Project (USD) Cost (USD)	SD	* Transmission	Target Start Date	Target End Date	2022
Project Description	Upgrade and extension of transformers to a capacity of	3*150MVA	in the existing su	ubstation of Po	rt Sudan.	
Impact	<ul> <li>Increases electrification rate (about 40% now).</li> <li>Evacuates the power generated from the new planned Port Sudan Power Plant to the national grid.</li> <li>Establishes reliable electric power supply to the city of Port Sudan.</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	Feasibility stu	generation exp ady is ready. eady for const		area.
Cost Impact	Awaiting data from SETCO	Sponsor(s)	G	overnment of S	Sudan	



Project Name	500kV Khartoum Ring Project (USD) Cost (USD)	Ο JSD	e*	Transmission	Target Start Date	2021	Target End Date	2023
Project Description	Construction of 271km of 500kV transmission lines, new	v substati	on ai	nd extension in	n two existi	ng 500	kV substat	ions.
Impact	<ul> <li>Increases electrification rate (about 40% now).</li> <li>Reduces overall system losses.</li> <li>Maintains a continuous and reliable supply of electric power in the strategic state of Khartoum.</li> <li>Relieves the bottlenecks in the transmission grid.</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique		Feasibility stu Project sites Right of way	ready for co	onstruc		es.
Cost Impact	Awaiting data from SETCO	Sponsor(	s)	G	overnment	of Sud	an	



Project Name	Alhuda – Bohat - Altamtam – Aldeba (USD) Cost (USD)	Type <sup>3</sup>	* Transmission Target Start Date 2021 Target End Date 2023
Project Description	Construction of 320km of 220kV transmission lines in substations.	addition	to 2 new substations and extension of 2 existing
Impact	<ul> <li>Increases electrification rate (about 40% now).</li> <li>Supplies the agricultural projects to the North and West of Khartoum state.</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>Huge agricultural and transfer industrial resources targeted.</li> <li>Feasibility study is ready.</li> <li>Project sites ready for construction.</li> <li>Right of way granted to transmission lines.</li> </ul>
Cost Impact	Awaiting data from SETCO	Sponsor(s)	Government of Sudan



Project Name	Mushkor – Elmanagel – Maringan (USD) 90 MU	SD Type'	* Transmission Target Start Date 2021 Target End Date 2023
Project Description	Construction of 165km of 220kV transmission lines in substations.	n addition	to a new substation and extension of 2 existing
Impact	<ul> <li>Increases electrification rate (about 40% now).</li> <li>Maintains a continuous and reliable supply of electric power in the agricultural area of Almanagel.</li> <li>Evacuates the power from IPP generation in Sugar White Nile Factory.</li> <li>Creates enabling environment for agricultural investment and agrarian transformation.</li> <li>Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation.</li> <li>Promotes growth of small, micro and medium sized enterprises (SMES).</li> <li>Boosts job creation potential.</li> </ul>	Unique Features	<ul> <li>IPP biomass generation potential nearby.</li> <li>Huge agricultural and transfer industrial resources targeted.</li> <li>Feasibility study is ready.</li> <li>Project sites ready for construction.</li> <li>Right of way granted to transmission lines.</li> </ul>
Cost Impact	Awaiting data from SETCO	Sponsor(s)	Government of Sudan



#### **ENARAA Flagship**



wind, solar, hydroelectric, and waste heat recovery totaling 1.2 billion USD and will generate 1000 MW of power

	Cost (million USD)	Output (megawatts)
Wind	375	375
Solar	357	357
Hydro	143	143
Thermal	286	286
Total	1161	1062



# Mining Sector Opportunities





Project Name	Produce Gold from The Remnants of past years operations	Cost (USD)	100 M £	Туре	* R	2 & D	Target Start Date	2021	Target End Date	2023
Project Description	Absorbing the minerals stone in the squa quick solution to increase the annual prod		<del>-</del>		side the con	cession a	area ( with conce	pt of national	mining paper),	can be a
Impact	<ul> <li>Expected production:</li> <li>15 tons of gold</li> <li>90 tons of silver</li> </ul>				Unique Features		re is a feasibility s re is a design stu km.			ile river
Financing	Donation/ Self-fir	nancing		S	Sponsor(s)		Ministry	of Energy & F	Petroleum	



Project Name	Produce copper, zinc and Gold from Volcanogenic massive Sulfide	Cost (USD)	480 M £	Type*			Target Start Date	2021	Target End Date	2023
Project Description	Absorbing the minerals stone in the squar quick solution to increase the annual prod	·	•		he con	cession ar	ea ( with conce	ot of national	mining paper),	can be a
Impact	<ul> <li>❖ Expected production:</li> <li>➤ 600,000 tons of copper</li> <li>➤ 200 thousand tons of zinc</li> <li>➤ 20 tons of gold</li> <li>➤ 100 tons of silver</li> </ul>			Unic		<ul><li>❖ Prove</li><li>✓ 77</li><li>✓ 68</li><li>✓ 20</li></ul>	e is a feasibility sen Mineral Rese 7 tons of gold 88,000 tons of c 00 thousand ton 000 tons of silve	opper s of zinc	ational expert)	
Financing	<ul> <li>Formation of a public joint stock compa</li> <li>Looking for a financially competent par preference.</li> <li>Create a Financial portfolio.</li> </ul>	•	echnologica	Spons	sor(s)		IV	linistry of Mir	ning	



Project Name	Marble and granite	Cost (USD)	1.5 USD	Type*			Target Start Date		Target End Date	
Project Description	Establishing factories for the production and increase in urban growth in the past few year The following states will be targeted to implicate the Company has (5 quarries South Darfur State.  Red Sea State.	ars, creatir ement the	ng a large mark	et for natu			•	•	·	vith the
Impact	It is the societal and regional developme increasing employment opportunities, an income for new groups	•		of	ique itures	Suda The of 13 The r	marble industry in. company owns 5 0,000 square meters of Sudar nated at 1,400 m	quarries in Ka eters of pure wh nese marble, kr	ssala, with an a hite marble. nown to date, ha	area
Financing	<ul> <li>Formation of a public joint s</li> <li>Looking for a financially competent par preference.</li> <li>Create a Financial</li> </ul>	rtner with a		Spo	nsor(s)		IV	linistry of Mining	g	

### Flagship



Gold Production







# Agricultural Sector Opportunities





Project Name	Al-Hawad Valley	Cost (USD) 400 M USE	Type*	Inve	estment	Target Duration	7 Years	Stages	3
Project Description	Acquiring latest technologies and building Province on area of one million hectare.	g irrigation systems to cu	ltivate corn,	wheat, le	gume, and	fruits. This proje	ect will be esta	ablished in Wh	ite Nile
Impact	<ul> <li>Improving citizens' incomes and raisin</li> <li>Contributing to social development in t</li> <li>Providing job opportunities for different</li> </ul>	the area.		Jnique eatures	and o ■ Utilizi ■ Availa	uction of 120K to other crops. ing new technolo ability of rich soi ability of water fo	ogies. I.	d 180K ton of	legume
Financing	40% Local-60% F	Foreign	Sp	onsor(s)		Min	istry of Agricu	lture	



Project Name	Hashaba Agricultural & Animal Cultivation	Cost (USD)	650M USD	Type*	Inve	estment	Target Duration	20 Years	Stages	3
Project Description	Building irrigation facilities and water harves in N.Kurdufan province on area of 130K hee	_	to cultivate gre	een fodder, '	vegetal	oles, fruits,	, jatropha, and a	nimal resourc	es. The project	t is located
Impact	<ul> <li>Improving citizen's income and procommodities.</li> <li>Contributing to social development in the Providing job opportunities for different expressions.</li> </ul>	e project are	ea.	Uni	que tures	<ul><li>Suital</li><li>Availa</li><li>Infras</li><li>The p</li><li>Kharte</li></ul>	ability of rich soil ole climate for contable ability of capable tructure and ser roject is in the volum Internation ability of Resea	ultivation of cro e and trained m vices. icinity of Khart al airport, and	ops. nanpower. coum new airpo Al-Obaied airp	ort.
Financing	Collaboration between Gov and	d Foreign P	artner	Spon	sor(s)		Min	istry of Agricul	ture	



Project Name	Jabal Marra Agricultural Development	Cost (USD)	850M USD	Type*	Inve	estment	Target Duration	10 Years	Stages	3
Project Description	Building irrigation facilities and water harv Darfur province on area of $7400 { m K} m^2$	esting dam	s to cultivate on	ion, potato,	wheat,	citrus, field	d crops, and frui	its crops. This	project is loca	ted in
Impact	<ul> <li>Improving citizen's income and proceed commodities.</li> <li>Contributing to social development in the Providing job opportunities for different and proceed commodities.</li> </ul>	he project a	area.	Un	ique tures		ability of rich soi ble climate for c		•	
Financing	Collaboration between Gov a	nd Foreign	Partner	Spor	sor(s)		Min	istry of Agricul	ture	



Project Name	Gum Arabic Production & Distribution	Cost (USD)	1106MUSD	Type*	Inve	estment	Target Duration	4 Years	Stages	-
Project Description	recultivating gum on an area 0f 104.166 h in Darfur, Sennar, Blue Nile, W.Kurdufan		_ ·		_	-		m for producti	on. This projec	ct is located
Impact	<ul> <li>Improving citizen's income and procommodities.</li> <li>Contributing to social development in the Providing job opportunities for different Rehabilitation of gum Arabic cultivation</li> <li>Establishing new opportunities for distent Attracting more investments.</li> </ul>	the project t education n and produ	area. nal levels. uction.	Un	ique itures	<ul><li>Suda</li></ul>	n is the top prod n is rich in gum ia and Hashab p	producing tree	es.	abic.
Financing	Collaboration between Gov a	nd Foreign	Partner	Spoi	nsor(s)		Min	istry of Agricul	lture	



Project Name	Rehabilitation of Gezira Scheme	Cost \$1.08	M T	ype* Ag	gricultural	Target Duration	Stages
Project Description	The oldest and the largest interns of area in It the most important development project. The total irrigated area of 2.1 Million fedder		nistory of S	Sudan.			
Impact	<ul> <li>Achievement of welfare and good livelih through sustainable socio-economic development with the scheme are assure the right of farmer to effectively economic affairs freely within the tech better use of technology support to maximize profits.</li> </ul>	elopment ea manage their prod nical parameters	uction and and make	Unique Features	rotat farm Main gran The of al the i into estin Cont	ion to five cropers and returned crops grown d nuts.  water needed at minors taken of the main can hated, water is standard.	ess several changes. From two crops rotation and free choice of crops for I to five crop rotation. include: cotton, wheat, sorghum and the major level is the sum of the needs of from the side major, and the need of ided up to compute the supply needed als. According to the demand thus upplied from the dam. provided to the offtakes so that in an continually to provide a specified trols off-takes.
Financing				Sponsor(s	)	Govern	nor of Gezira Scheme



#### Flagship Project

- Rehabilitation of Gezira Scheme
- Gum Arabic Production & Distribution



#### Opportunities



- 1-A free zone for livestock products. Fattening and livestock breeding area quarantine area modern slaughterhouses meat industry leather industries animal waste industry cold storage area Location: South Suakin
- 2. Veterinary vaccine production research: Establishing a complex for the production of viral vaccines and the production of bacterial vaccines to combat diseases and epidemics and to preserve livestock.

Location: Khartoum (Central Veterinary Research Laboratory)

Cost: \$ 700 million

3. Livestock Economics Research Center:

Develop strategies and guidelines for implementing research aimed at developing the livestock sector, providing food security, contributing to increasing national income by marketing livestock products.

Location: Khartoum Cost: \$ 50 million

- 4. Leather Industries Complex
- 5. A complex for the manufacture of fish products
- 6. A complex for the manufacture of dairy products
- 7. Development and development of animal production



	Project Name	Fish Farming	Cost (USD)	50 M USD	Type*	Live	estock	Target Start Date	2022	Target End Date	2023
	Project escription	Fish Farming Project is targeting 4 imp The Expected Space for the Project is facilities and 40 Acres for The Ponds. The Project aims to use techniques for	50 acres	per state. : 5 /	Acres for th	e fence	es and r	oads, 5 Acres fo	or the buildi	ng constructior	
	Impact	<ul> <li>Economical:</li> <li>Open Markets to meet local and Int</li> <li>Increase Job Opportunities.</li> <li>Contribute in achieving Food Secur</li> <li>Contributing in supporting the dome</li> <li>Contributing in maximizing the procests.</li> <li>Developing the rural areas.</li> </ul>	rity. estic gross	product.	Feat	que :ures	<ul><li>Fillin</li></ul>	ping The Natura g the gap and s ease the local ca ket	shortage of	fish industry	n the
F	inancing	Fund			Spon	sor(s)	Ministr	y Of Animal Re	sources & I	Ministry Of Inve	estment



Project Name	Integrated Meat and Animal Products Resources Cost (USD) 177 M USD T	ype* Liv	vestock Target Start 2022 Target End 2025
Project Description	<ul> <li>This Project focuses on producing the best quality meat to meet It consists of internal small projects as follow: <ul> <li>Slaughterhouse for the purpose of exporting mutton</li> <li>Meat products factory</li> <li>A project for the production and export of fodder</li> <li>A project to raise goats for live export and for slaughterhouse</li> <li>Dairy products factory</li> <li>Leather tannery project</li> </ul> </li> </ul>		gional and international demand for consumption
Impact	Positive Impacts:  A high-efficiency sanitation system will be implemented for the slaughterhouse so that the slaughterhouse waste does not affect the environment surrounding the barn areas.  Negative Impacts:  The negative effects are limited and can be controlled, and if the sanitation is not constructed with the required efficiency, the factory's differences will affect the environment and lead to the transmission of diseases.	Unique Features	<ul> <li>The presence of large numbers of food animals and their availability throughout the year in the selected areas</li> <li>The presence of an internal and external market to receive the project's products</li> <li>Availability of land, water, energy, roads, auxiliary services and a trained workforce</li> <li>Infrastructure for meat exports, especially slaughterhouses and cold stores</li> <li>Increasing rates of meat consumption in neighboring countries, especially the Gulf and Middle East countries</li> <li>Increasing the number of livestock will reduce pressure on pastures and water resources</li> <li>The establishment of slaughterhouses opens the way for the establishment of many small industries and thus increased job opportunities</li> </ul>
Financing	Fund	Sponsor(s)	Ministry Of Animal Resources & Ministry Of Investment

A free zone for livestock products. Fattening and livestock breeding area - quarantine area - modern slaughterhouses - meat industry - leather industries - animal waste industry - cold storage area Location: South Suakin



Project Name	Modern automatic slaughterhouses	Cost (USD)	50 M per State	Ту	/pe*	Live	estock	Target Start Date	2022	Target End Date	2023
Project Description	<ul> <li>Slaughterhouse for the purpose of meat - a factory for meat proslaughtering calves and preparing. The slaughterhouse operates wit 500 heads of calves and 3000 he connects electricity services, irrig sanitation, coolers and an integ airport and quarry.</li> <li>Consists of: <ul> <li>Fattening unit (daily slaughterhouse section (not slaughterhouse section (not slaughterhouse section)</li> <li>freezing stores</li> <li>Sub-Meat Products Factory</li> <li>Tannery section / Refrigemeans of transport section</li> </ul> </li> </ul>	them for the products of she a products of she at inspect of the products of t	the purpose export purpose export purpose cition capacity eep per shift er, drinking was ort village at ection laborate incinerator room.	e of ses. y of and ater, the and	Impa	acts	<ul> <li>A high implessions surreducted in the content of the cont</li></ul>	itive Impact: gh-efficiency sa emented for the ghterhouse was ounding the bar ative Impact: negative effect if the sanitation ired efficiency, environment an ases.	e slaughterh ste does not n areas. s are limited is not cons the factory's	ouse so that the and the care and can be continued with the differences with the care and the care are also be care as differences.	vironment ontrolled, e vill affect
Financing	Fund				Spons	sor(s)	Ministr	y Of Animal Re	sources & N	Ministry Of Inv	estment



### Flagship Project

Integrated Meat & Animal Products Complex





### Transport Investment & Opportunities









Project Name	Port Suakin development Project	Cost (USD)	3-5 Billion	Type*	Infras	tructure	Target Start Date	2021		2024
Project Description	Design and construction of a new por Location and area: Eastern Sudan, Re					st 36 mile	es (58 km) sou	th of Port Su	ıdan.	
Impact	Expand market opportunities a international trade (exports and neighboring countries. Direct post Increase capacity of maritime traffic for the country and neighboring countries and urban development for the	imports) itive impa . Improve ountries- l	for Sudan  oct on the Good  transport logis  Economic grow	and GDP. Unstics Fea	iaua	neighbor	e (entry and e ring land locke to receive mo	d countries.		
Financing	Public Private Partnership or Investment financial institution and Commercial NPV 14%= USD 65,899,580.56, Cumu	financing		_	nsor(s)			GoS		



Project Name	Sudan Airways Projects	Cost (USD)	\$ 2 Billion	Type*	Procu	rement	Target Start Date	2021	Target End Date	2023
Project Description	Rebuild the national air carrier-purchase of fleet (passengers and cargo), upgrade of catering services and ground handling equipment and processes.									
Impact	<ul> <li>re-capture market share both in domestic and international air traffic</li> <li>utilize the current under-capacities such as routes rights and human capital On the domestic market, an improvement of travel services may encourage Sudan residents to use more air travel</li> <li>According to economies of scale rule, expansion of fleet will contribute to reduction of operating costs and hence generating more than proportional revenue.</li> <li>help to boost aggregate demand, increase short-run economic growth and create job</li> </ul>			of e air Ur Fea	ique atures	Established name/logo and established fly to routes – 60 bilateral agreements, government support. Easily accessible and navigable airway/hub.				
Financing	lease purchase; Commercial financing			Spo	nsor(s)	GoS				



Project Name	Building Sudan Shipping Line Fleet	Cost (USD)	1.2-2 Billion	Type*	Infras	structure	Target Start Date	2021	Target End Date	2022		
Project Description	Building and reestablishing Sudan Shipping Line Fleet. The company is aimed to efficiently serve the following activities: Shipping Agency: provides ship agency services for shipping Lines calling Sudanese ports; Clearance and Forwarding, Warehousing and Inland Transportation; Stevedoring Services; Passengers Services; Travel and Tourism; Ship Chandelling Services; Ship Contracting.											
Impact	<ul> <li>secure flow of national commodities to and from the country. Open new markets for national exports</li> <li>Reduce foreign currency demand by transporting state imports through the national carrier.</li> <li>Create new jobs in the field of maritime industry, training of new candidates and positively affects the overall employment.</li> </ul>			ıgh Un	ique itures	<ul> <li>Well established and recognized logo/brand Help opening new markets for Sudanese exports.</li> <li>Transport state and private sector imports necessary for socioeconomic development.</li> <li>Play an important role in stabilizing the prices by availing reliable international sea transport services.</li> <li>Render more foreign currency and hence support balance of payments.</li> <li>Assist in transferring new technologies.</li> </ul>						
Financing	lease purchase; Commercial financin	g		Spoi	nsor(s)			GoS				



Project Name	Railways	Cost (USD)	2.6 Billion	Type*	Infrastr	ructure	Target Start Date	2021	Target End Date	2023	
Project Description	Rehabilitation and construction of rails, purchase of locomotives and installation & operations of computerized systems										
Impact	<b>Project Description:</b> Rehabilitation and construction of rails, purchase of locomotives and installation & operations of computerized systems  Impact: Facilitation of trade			Un	ique tures						
Financing	lease purchase for PPP; Commercial	financing		Spor	nsor(s)			GoS			

MUTRABIT Flagship will cost 24.2 billion dollars and will include rehabilitating existing assets and developing new ones



Program Areas	<b>Existing Assets</b>	Current Challenges	Program Cost (\$B)
Highways	11,800 km of roads	50% requires rehabilitation	7
Sea Ports & National Shipping Line	750 km coast 2 ports and 1 national line	Requires major overhaul	9
Railways	5,503 km of track	80% requires rehabilitation	5
River Transport	2120 km of rivers	85% Not navigable	.2
Airports & National Carrier	36 airports 7 international and 1 National Carrier	restricted access to airspace	3
MUTRABIT Program	n Cost		24.2

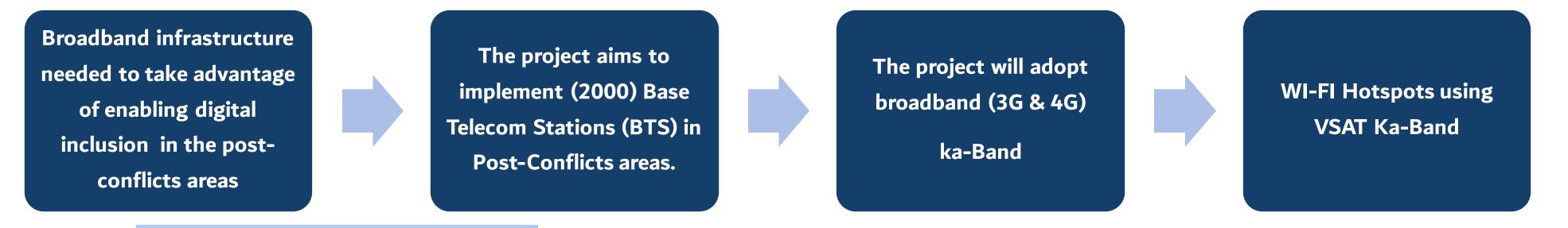


# Digital Transformation Program (Emmar) (Re-building Telecommunications Infrastructure in Post- Conflict Areas)

### **Project Overview and Rationale**



- The project aim to ensure availability of telecommunication services (voice and internet) for all members of society, especially for rural, remote areas which are economically non profitable
- One of the transitional government key goals is to provide all citizens the right to access telecommunications and information technology without any discrimination



### **Indirect impact of the project**

Enabling Public services and utilities (e.g. electricity, education, market, police)

Improve security situation and accessibility in the area

Improve proximity of the remote areas

Serving 6 million population living in the area

### **Universal Coverage Project: Investment Model**

PPP investment:
build 2000 telecom
towers
\$ 696 M

Telecom operators
buy network
coverage from the
investor

MNOs sell airtime and internet services to consumers

**Public Private Partnership Investment** 

### **Project Profile and Description**



Project Name	Digital Transformation Program (Emmar)	Cost (USD) \$ 695 M	Type*	Serv	⁄ice	Target Start Date	2022	Target End Date	2025		
Project Description											
Impact	<ul> <li>Achieve more coverage of Telecommunications and spread of Digital Financial Services and make financial products and service available on demand.</li> <li>Create jobs for youths in post conflict areas (Youth Engagement with Digital Transformation).</li> <li>Promote and accelerate the current peace efforts.</li> <li>Enable the stabilization efforts of the post conflict areas population.</li> <li>Fast-track the rebuilding and integration process towards resuming normal life and economic activities.</li> <li>Support transitional government strategy for Digital Transformation across the country .</li> </ul>			Unique Eeatures	<ul> <li>Reasonable time for project implementation.</li> <li>Securing Social Stability in the Targeted States.</li> <li>Reducing the unemployment rate and increasing women participation in the labor force.</li> <li>Promotion of SMEs financial inclusion in post conflict areas</li> <li>Enhanced Telecommunication sector performance</li> </ul>						
Financing	Required an amount of \$ 695,969,265 to in order to serve all post- conflict areas digital services in the targeted areas. Problem 12.6% and between 6-8 years with IRR: 12.6% and	ision of	oonsor(s)	Ministry of Telecommunications & Digital Transformation (MTDT)							

Republic of Sudan

Ministry of Investment and International

Cooperation



# Investment Guarantees and Incentives 2021

### In the Name of Allah Most Gracious Most Merciful

### 1- Guarantees

- \* All investments in the Sudan enjoy fair treatment
- \* Invested funds are not subject to arbitrary procedures or discriminatory decisions
- \* Establishing a specialized investment Public Prosecutions
- \* Establishing specialized investment courts to expedite of resolving any disputes between investor and any party if this occurs, and to ensure the rights of investors
- \* The investment law equates between the local and foreign investors in rights and duties

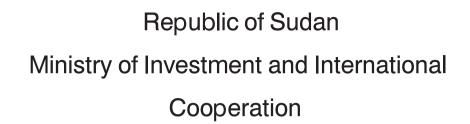
### 2- Advantages

- Firstly- Investment projects are exempt from customs duties on project imports from capital equipment in coordination with the competent authorities.
- \* Secondly- Specialized means of transport are exempt from customs duties as specified by the regulations.
- \* Thirdly- Production inputs for investment projects are subject to the same category of fees received on production inputs in the customs tariff duties as specified by the regulation.
- \* Fourthly- Investment projects are exempt from business profits tax for a period not exceeding five years, as specified by the regulations.
- \* Fifthly- Exemption from value-added tax for the capital equipment of the project according to a list approved by the Ministry.

### 3- Incentives

- \* Allowing to import capital equipment for the project, of machines and equipment.
- \* Allowing to import raw materials which needed by the project and its products.
- \* Allowing of bringing skilled foreign labor within 30% of total employment.
- \* The foreign investor obtains work permits and residence for him and his family throughout the duration of implementation and operation the project.
- \* Non-subjection the wages and allowances to non-Sudanese workers to social insurance.
- \* Not to impose any administrative fee on the investment project, only with reference to the Ministry of Investment and International Cooperation.







## Procedures Manual 2021



In the Name of Allah Most Gracious Most Merciful

This Guide has been compiled with the aim of facilitating the investment task in relation to the measures to be taken to have access to the diverse investment transactions, in the hope that it is comprehensive enough to cater for all the required aspects for internal and external investors, alike.

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### The subject page number

### Introduction

- 1 Investment body
- 2 Business registration procedures
- 3 Registration procedures of the branch of the foreign company
- 4 Registration procedures of the business name
- 5 Immigration procedures
- 6 Foreign labor in Sudan
- 7 Required documents for registration of foreign capital
- 8 Procedures of issuance of the registration of exporters and importers

### Procedures for obtaining license and investment transactions

- 1 -The new license (required documents).
- 2 -Basic information.
- 3 -Modern means of transport (required documents).

- 4. List of needs (required documents)
- 5. Working at hired location (required documents).
- 6. Allocation of a plot of land (required documents)
- 7. Addition of a production line (required documents).
- 8. Gable application (required documents).
- 9. Non Payment on transfer (purchase of capital equipment at bank rate)

### **Project Disposition Procedures**

- 1. Disengagement of partnership (required documents)
- 2. Involvement of a partner(required documents)
- 3. property transfer (required documents)
- 4. Mortgage (required documents)
- 5. Vehicle provision (required documents)
- 6. Re export(required documents)
- 7. Change of activity(required documents)

License fees and investment transactions

Project disposition fees

Fees of registration of the business name

The prices of investment land

### 1-Investment body

Investor can choose any of the following investment

### Formulas:

- Individual property
- Partnership system

- · Corporate system
- · A branch of a foreign company

### 2-Business registration procedures

- Application addressed to the commercial registrar on the
- proposed name
- Contract and regulations of the establishment of company
- The Procedures after the initial approval:
- · Preparation of the company headquarters
- Provision of three copies of establishment regulation
- · sealed from the tax and zakat chamber.
- Form filling(12) of the capital of the company
- Filling the approval form (2ش)
- Judiciary form( publication form)

### 3-procedures of registration of the branch of the foreign

### company

- Application of the registration to the commercial registrar
- Contract of association and regulations of the parent company
- Registration list or documents of establishing the parent company
- Documented authorization from the company to a person resident in Sudan to receive judiciary notification.

- Resolution of the Board of Directors of the parent
- company to start a branch in Sudan
- Opening of the previous documents with the seal of the
- company in order to be documented from the ministry of
- foreign affairs of the investing country or the Sudanese
- · embassy in the country of registration.

### 4-Procedures for obtaining the license and investment

### transactions:

1- The new license:

The required documents:

- · Feasibility study certified from one of experienced
- consultant house (original copy + copy)
- Application of a new license on the signing of the
- owner of the project
- · Certified power of attorney by a lawyer or a court for
- the purpose of investment procedures.
- Attachment of a copy of the memorandum of
- association (in case of the companies)
- Attachment of copy of the incorporation certificates (in
- · case of the companies).
- Partnership contract (in case of partnerships between
- individuals).

### 5-procedures of the registration of the business name

The applicant must comply with the following:

- Submission of application on the proposed names to register the business name in English and Arabic.
- Form filling of registration of the business name and its notarization by Lawyer.
- Bringing the approval of the competent authority.
- Upon the completion of the previous measures, the applicant delivers two incorporation certificates inArabic and English and signed by the business names registrar and bearing the seal of the general commercial registrar.

### 6-List of needs

- The required documents
- · Two copies of license
- Two copies of business name
- List of needs of equipment and machinery (two copies)
- Fresh title deed for the plot of land
- Upon implementing the list with the Customs.
   Attaching the approval of work at a hired location is required (in caseof hired location.
- Approval of the technical authority of the list of needs and the approval are made in compliance with the regulation
- Tourist activities (hotels- resorts- ..... etc) shall

grant a list of needs of the leased location (long- term lease of ten years and more)

### 7-How to get customs privilege for the project list of needs

 Investor approaches the customs administration to apply for customs privilege and be granted privileges and the reduction of customs duties

### 8-Modern means of transport

The required documents:

- A copy of the license
- A copy of the business name
- A new title deed
- Sketch map for a visit
- Telephone number, the name
- Power of attorney or authorization from the Board of Directors certified by a lawyer or a court.
- · Memorandum of association
- Certificate of establishment of the company in cases of the companies.
- A report of the recent field visit

- Application signed by the owner of the project Import certificate
- A valid title deed of means of transport (for transportation projects)
- Budget approved by the tax department (in case of the vehicles of the strategic projects)

### 9-Allocation of land plot

- The required documents:
- Copy of the license
- Copy of the business name
- Documented power of attorney by a lawyer
- Contract of association and Incorporation certificate (in case of the companies)
- The name and the telephone number

### 10-Working on a leased location

The required documents:

- Filling out the forms clearly
- Copy of the business name and the license of the tenant project
- Copy of the business name and the license of the lessor project
- Copy of the valid title deed

**Ministry of Investment and International Cooperation** 

- Copy of the valid title deed
- Copy of the initial lease contract
- Copy of customizable documents and receipt of the land of the project (industrial sector)

### 11-Immigration measures

All immigration transactions such as the entry visa, residence, registration of the foreign investors and renewals stake place at the foreign passport unit in the ministry of investment and International Cooperation

### 12-Foreign labor in Sudan

Dealing with foreign labor according to theencouragement of national investment act of the year 2020 and the labor act of 2007 and all the measures of foreign employment take place at the ministry of labor and the commissions and departments of investment in the states.

