Ministry of petroleum and minerals

The General Petroleum Corporation

Downstream strategic projects

November 2018

(1) INTERODUCTION

The Ministry of Petroleum and Minerals has set a strategic plan to establish hydrocarbon infra structure facilities which comprises of building a new refinery with capacity ranges between 150-500 KBPD at the red sea coast close to Port Sudan City, Additionally, storage facilities at various locations country wide, will be built in a timely manner as per the strategic plan. (figure-1). Also, figure (2) shows a map where the locations of the depots can be spotted.

(2) General terms and conditions:

the Ministry of Petroleum and Minerals invites investors from all over the world to participate in realizing this strategic plan with the following General terms and conditions

1. Projects are available to Investors based on boot or bolt systems.
2. The projects are meant to maximize the local content in terms of human and material resources exploitation and utilization.
3. Investors are urged to present their esteemed companies capabilities manifesting the financial and technical aspects as well as the track records.
4. The Sudanese petroleum corporation is open to the candidates views via negotiation and communication.

(3) Port Sudan Refinery

- The project location is at the red sea coast 8 KM to the south of Port Sudan city.
- Reserved area is 4 Km square plus 0.3 Km square for the new marine facilities.
- The planned capacity is within the range from 150-500 KBPD.
- Long crude import supply agreement is essential and it will be on the investor.
- Feed stock characterized as to yield as maximum diesel oil as possible.
- Product quality at least shall conform to Euro-iv requirements.
- Refinery operation shall comply with the international environment regulations.
- Investors are allowed to sell products to the international market after satisfying the internal demand.

(4) Depots & Storage Facilities

The Depots & storage facilities projects are divided into depots those to be built from the stage of a virgin land and existing depots to be expanded

(4-1) Port Sudan Depot (Free Zone)

It is located in a land situated south to the marine terminals of crude export. There is an opportunity for investors to build refined hydrocarbon storage facilities at the red sea for the country security of these commodities and also for the purpose of international trade.

With a phasing out capacities ranging between 100,000 meter cubic up to 500,000 meter cubic, the depot is considered to be an excellent potential business case by virtue of the huge market at the red sea and the considerable demand inland, Further, the depot will be run under the Free Zone provisions.

The current status of the project is in the early studies.

(4-2) East Suba Depot

This depot lies about 40 Km to the south-east of Khartoum, just at the route of Khartoum madani - petroleum products pipeline from which a spur line will feed the depot.

The status of the project is at the preliminary studies and planned to have capacity of 100,000 /300,000 meter cube for strategic products storage.

(4-3)West Omdurman Depot

The location of the depot is at 80 Km North to Khartoum at the West bank of the river Nile at a distance of 30 Km from Khartoum refinery in a land of a total area of 1.5 millions meter square which is a property of the Sudanese petroleum corporation.

The project current status is at the conceptual studies.

(4-4) Kassala Depot

The land of the proposed depot is located at the eastern region of the country about 118Km to the north of kassala city the area of which is 1.5 million meter square.

The project current status is at the conceptual studies.

(4-5) Alfashir Depot

The depot is in the study phase and it is located near Al- fashir city and meant to secure the region needs of the petroleum products.

(4-6) Kareema Depot

1.5 million meter square of land is reserved for this project and early studies are under way.

(4-7) Existing Depots

As shown in table (1) the other depots are existing ones; and there is a need to expand these depots as per the corresponding years indicated in the table in figure (1) below.

Full documentation is available such as plot plans and other engineering documents and will be delebrated with the successful candidate (s).

The Ministry of Petroleum and Minerals

Petroleum Products Strategic storage facilities Projects

Quantities in thousand Meters Cube

Product		Gasoil	Mogas	LPG	Jet-A1
Location	Year				
Portsudan *(Existing)*	2021			21	
Portsudan-Free Zone *(New)*	2022	250	200	81	80
West-Omdurman *(New)*	2022	80	60		
Suba-East *(New)*	2023	80	60		
Kassala *(New)*	2024	20	10	6	5
Kareema *(New)*	2019	20	10	6	5
Madani *(Existing)*	2020	40	10	12	5
Al-Fashir *(New)*	2024	20	5	3	5
Haya *(Existing)*	2022	40	30		

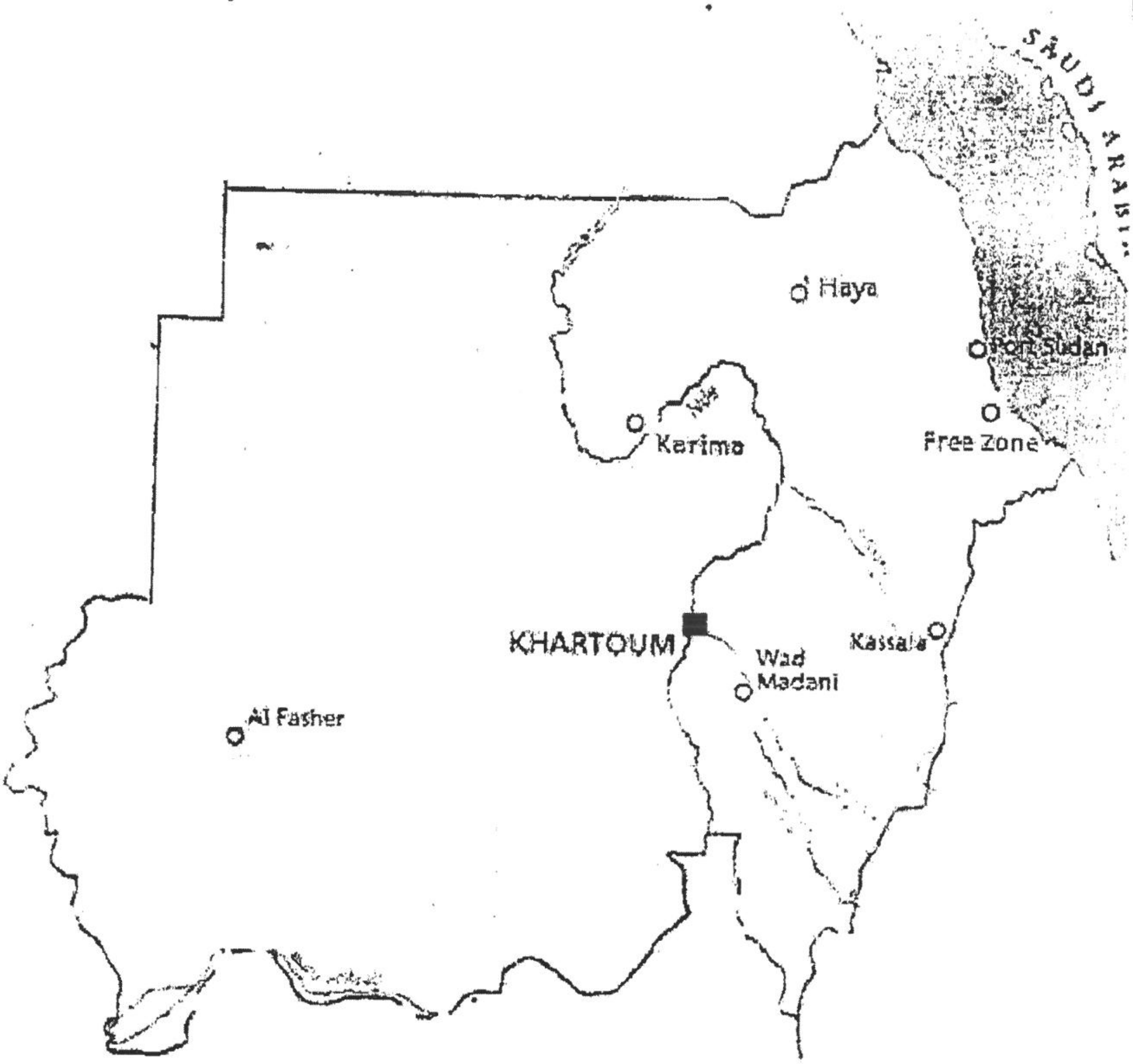
The Figure (1) :the Table showing the projects details and schedule

Ministry Of Petroleum and Minerals

Strategic Plan for Petroleum Products Projects

Nov 2018

Figure (2) Map Of Sudan



Ministry Of Petroleum and Minerals

Strategic Plan for Petroleum Products Projects

Nov 2018

Figure (2) Map Of Sudan

Ministry of Petroleum , Gas and Mineral

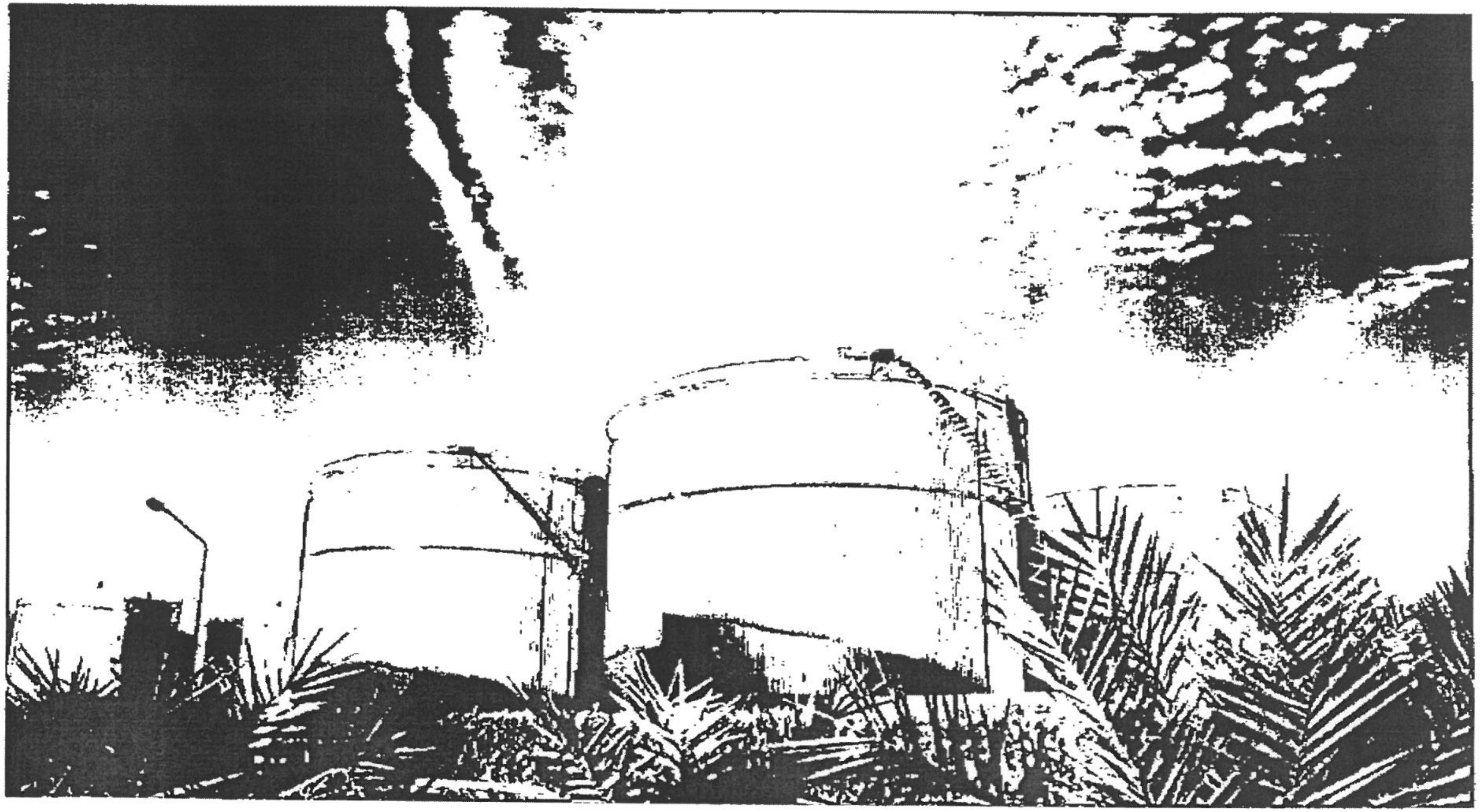
Sudanese Petroleum

Potential Depot for investment

all quantitie in (cubic meter)

	2019	/2019/2018	2018/2019	2018/2019	2020	2021-2018	2020	2020	2019	2019	2019	planned for
Total	Muglad	Madani	Rabak	Haya	Kasala	Port Sudan	Elgaili	Sinnar	Kariema	Elfasher	west Umdorman Depot (cubic meter)	Location
123,220	220	12,000	3,000		6,000	63,000	30,000	1,500	4,500	3,000		LPG
130,000		20,000		30000	5,000		20,000	5,000	5,000	5,000	60,000	Gasoline
365,000	5,000	40,000		20,000	100,000		40,000	30,000	20,000	30,000	80,000	Gasoil
10,000						10,000						Jet A-1
												estimated Cost

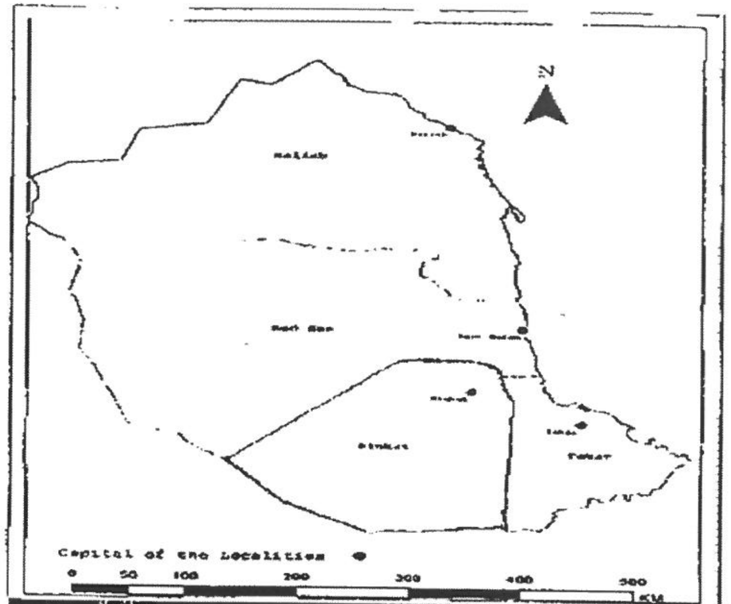
Downstream Investment Opportunities

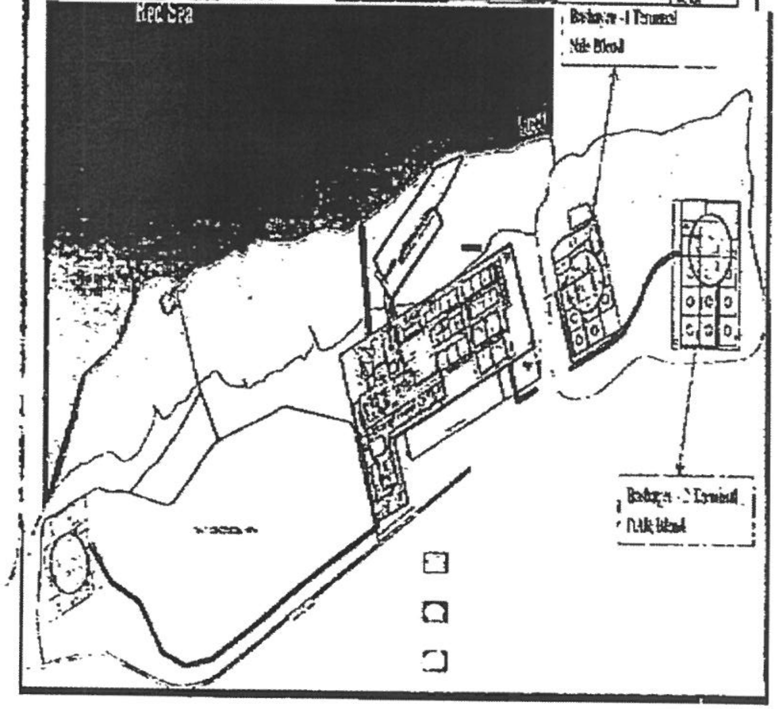


Port Sudan Refinery Project

- Building a new refinery and petrochemical complex located close to the red sea(4 km^2 area is available, plus additional 0.3 km^2 for the new marine facilities
- The available area site situated about 8 Km south of Port Sudan town

Fig. 3.25 The localities and their capital towns in the Red Sea State





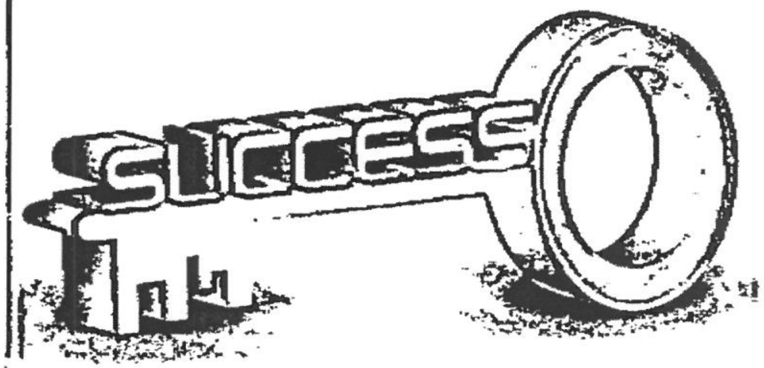
Opportunities

- High growth rate of local demand and Sudan Neighboring countries
- Location of Port Sudan refinery as a costal refinery
- Make maximum benefit and use of regional treaties as the common market for Eastern and Southern Africa (COMESA)

- The project incentive in open minded manner
- Tax and custom duties exemption
- Free zone area will be discussed
- Marine facilities to support the import and export activities of the complex
- The marine facilities will be built directly in front of the area allocated of the construction of Port Sudan refinery

Project Execute

- Execute the project on BOOT basis
- Operate the refinery with imported crude oil
- Product quality at least meeting Euro iv quality requirement
- Refinery operation complying with international environmental regulation



- The new port Sudan refinery capacity is expected to be (150,000-500,000) bbl/day
- From demand point of view to cover the deficit of Sudan products consumption especially LPG, Gasoil, Jet, Fuel Oil and all Sudan needs of bitumen, base oil & petrochemical products