



MINISTRY OF ELECTRICITY

1. **Project Name** : Khartoum North Power Station Extension

Location: : Khartoum, the capital

Proj Description : 2X90 MW steam turbines being units 5 & 6 as an extension to the existing Khartoum North power station including extension of the existing services interconnection to the existing 110KV system.

Estimated Cost: 150 millions EURO

Implementation Period: Three Years

2. **Project Name** : Port Sudan Project

Location: : Port Sudan City – Red Sea State.

Proj Description : To Construct a 90 MW thermal Power Station.
To Construct Transmission ring around the City.
Reinforcement of the city distribution system.

Estimated Cost: 80 millions EURO for generation.
50 millions EURO for transmission line
30 millions EURO for distribution.



Implementation Period: In phases total three years

3. Project Name : New generation at kassala City (2X10 MW)

Location: : Kassala City – Red Sea State.

Proj Description : Installation of two diesel units 10 MW each firing HFO fuel including accessories, civil works and connection with the national grid.

Estimated Cost: 18 millions EURO.

Implementation Period: two years

4. Project Name : Wind Energy project at Nyala City.

Location: : Nyala City – South darfour State.

Proj Description : Implementation of two wind parks in two phases, phase (1) 1.5 MW (6x250KWH) and phase (2) 2 MW (8x250 KWH) and the interconnection to the existing 11kv grid.

Estimated Cost: Phase (1) 2.0 millions EURO.

Phase (2) 2.7 millions EURO

Implementation Period: two years



5. Project Name : Conversion of Garri 2 into combined Cycle.

Location: : at Garri – 70 Km from Khartoum center.

Proj Description : conversion of 3x40 MW simple cycle Gas turbine units into combined cycle

Estimated Cost: 250 millions EURO.

Implementation Period: two years

6. Project Name : Third Circuit (Roseries- Khartoum)

Location: : Roseries – Rank – Rabak – Mashkour – Getaina- Khartoum

Proj Description : the project is a 220 KV transmission line, double circuit towers. The project is divided into two lots, lot (1) consists of a transmission line of approximately total length 618 km and lot (2) six substations.

Estimated Cost: the estimated cost for lot (1) 100 millions EURO. and for lot (2) 50 million EURO.

Implementation Period: Expected three years.

7. Project Name : Rabak- ElObied, 220 kv Transmission line.

Location: : Rabak – ElObied.



Proj Description : the project consists a 220 kv transmission line, from Rabak to ElObied including substations 220/33/11 kv in ElObied City.

Estimated Cost: 70 millions EURO.

Implementation Period: three years

8. Project Name : New generation at Elbageir.

Location: : Gezira state at Bageir area, 42km from Khartoum center

Proj Description : installation of an IPP 300 MW thermal power plant power plant including the interconnection to the National grid on BOOT system basis through a mutually agreed PPA for a concession period of up to 25 years.

Implementation Period: two years

9. Project Name : New generation at kosti.

Location: : kosti City- white Nile State.

Proj Description : a plan of 300 MW steam generation in two phases (150WM + 150WM) using heavy fuel from ElOdied Refinery. Interconnected to the future 220 kv third circuit Roseries – Khartoum transmission line

Estimated Cost: 250 millions EURO.

Implementation Period: three years