

Positioning Report: Site layout ,servitudes & requirements		
Project Number:523	Location: Usakos, Namibia	Date: 02/07/2020
Project Name: Usakos Solar		
Client: Erongo RED		
Owner: Usakos Solar Pty Ltd		
Contractor: Summit Renewables		
Landowner: Usakos Local Municipality		

Adjacent structure	Specifications	Actual distance	Approved	
			CENEC	Summit Renewables

A. Roads				
<i>Tertiary Road</i>	No restriction. Recommended: 60 m from centre of road	N/A		

B. Railways				
	Recommended: 150 m from closest rail	N/A		

C. Aero landing strip				
	Recommended distance from: 1 km	N/A		
	On approach or departure line of sight?	N/A		

E. Other underground cables or pipe leads				
	No excavation or building closer than 1.0 m from cables and other pipe leads.	N/A		

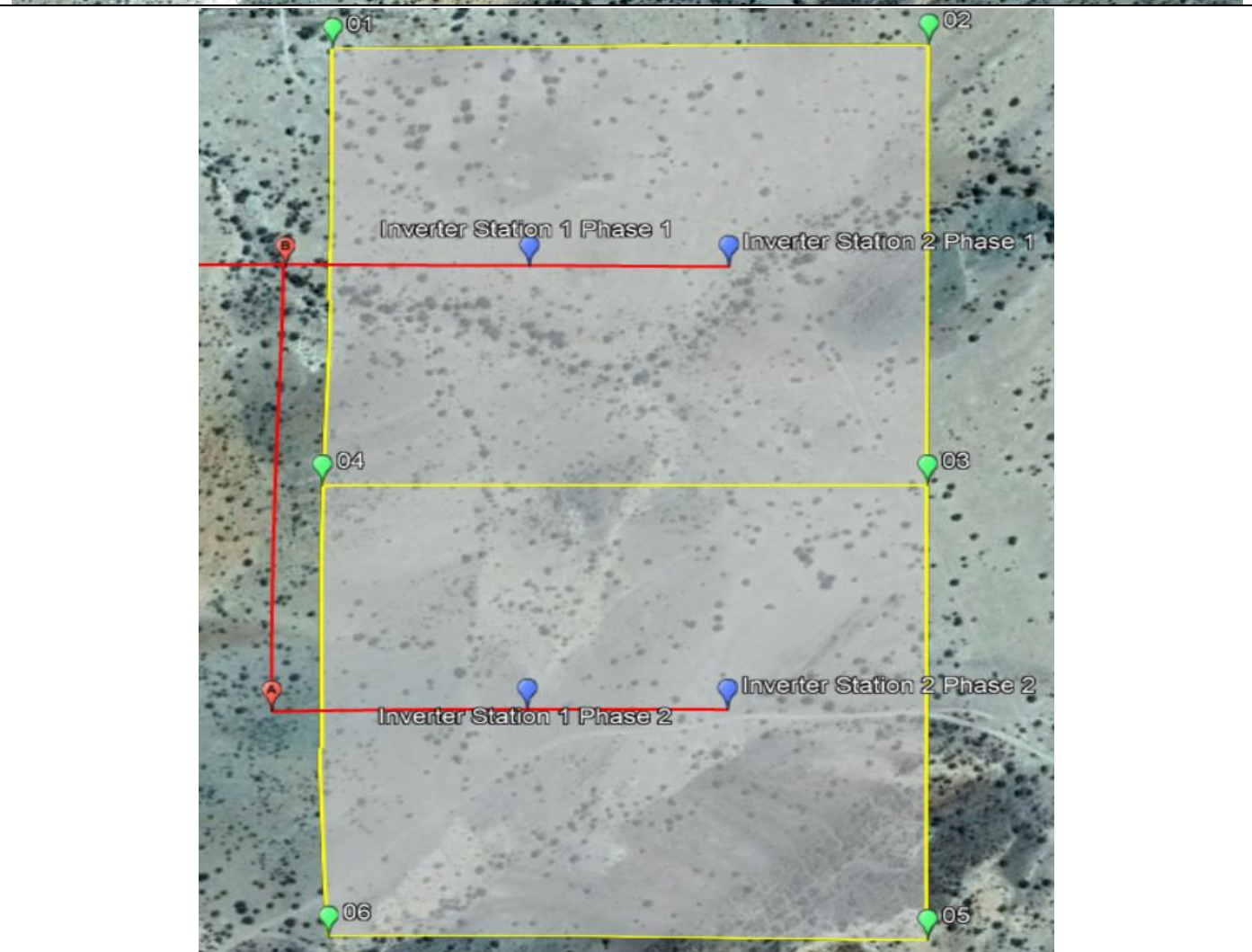
F. Environmental Impact Assessment		
Capacity	More than 10MWp	10.86MWp DC / 9.9MW AC
Area covered	More than 1Ha	23ha
Line length	From plant to delivery point	642 m

<b>SIGNED OFF</b>			
<b>Date:</b>			
	EPC Contractor	CENEC Director Technical	Landowner

Plant Location



Plant with feed-in line to substation.



**Feed in line elevation profile from inverter Feed-in line point B to Usakos substation.**



**Plant Coordinates**

Phase 1			
	Latitude	Longitude	Elevation
Solar plant point 01	22° 0'18.58"S	15°35'39.79"E	875 m
Solar plant point 02	22° 0'18.58"S	15°35'52.31"E	883 m
Solar plant point 03	22° 0'28.64"S	15°35'52.31"E	889 m
Solar plant point 04	22° 0'28.64"S	15°35'39.79"E	887 m
Inverter station 1 phase 1	22° 0'23.63"S	15°35'43.98"E	881 m
Inverter station 2 phase 1	22° 0'23.63"S	15°35'48.15"E	883 m

Phase 2			
	Latitude	Longitude	Elevation
Solar plant point 04	22° 0'28.64"S	15°35'52.31"E	887 m
Solar plant point 03	22° 0'28.64"S	15°35'39.79"E	889 m
Solar plant point 05	22° 0'38.97"S	15°35'52.31"E	888 m
Solar plant point 06	22° 0'38.97"S	15°35'39.79"E	880 m
Inverter station 1 phase 2	22° 0'33.75"S	15°35'43.98"E	885 m
Inverter station 2 phase 2	22° 0'33.75"S	15°35'48.15"E	885 m

Feed-in line			
	Latitude	Longitude	Elevation
Inverter station 1 phase 1	22° 0'23.63"S	15°35'43.98"E	881 m
Inverter station 2 phase 1	22° 0'23.63"S	15°35'48.15"E	883 m
Inverter station 1 phase 2	22° 0'33.75"S	15°35'43.98"E	885 m
Inverter station 2 phase 2	22° 0'33.75"S	15°35'48.15"E	885 m
Feed-in line point A	22° 0'33.75"S	15°35'38.84"E	893 m
Feed-in line point B	22° 0'23.63"S	15°35'38.84"E	877 m
Feed-in line point C (Usakos Substation)	22° 0'23.72"S	15°35'16.46"E	865 m

**EPC Specifications Agreement****1. Access**

The EPC contractor will, indicate and construct an access road to the solar plant site. This access road will be marked from a surveyor and built accordingly.

The access gates and road will be 6 m wide and will otherwise allow for the easy driving of heavy vehicles toward and from the site.

**2. Debris from site preparation**

The EPC contractor will level the agreed plant site and otherwise prepare it for the infrastructural construction and the installation of the electrical and electronic works. A certain volume of debris will result from this preparation and will deposited on the south boundary of the plant site.

The debris resulting of constructing the access road will be left next to the road and not removed.

**3. Other matters**