

Geographical Coordinates		Areas	
Country:	South Africa		
Address:	Dealesville		
Latitude:	-28.679211°		
Longitude:	25.658942°		
Altitude:	1264-1282m		
		Total	3,382,424 m²
			11,525 m



1 Typical Substructure		Orientation	
not to scale		Module dimensions [mm]	Portrait
tracker racks		Plane tilt β [°]	+ - 0.0
		Azimuth [°]	0
		Clearance c [m]	3.0
		Height h [m]	7.10
		Pitch p [m]	4.81
		Axis width a [m]	2.29
		Width w [m]	1.5
		Post height h _p [m]	
		No. of panels:	328,266
		DC Capacity:	180.5 MWp



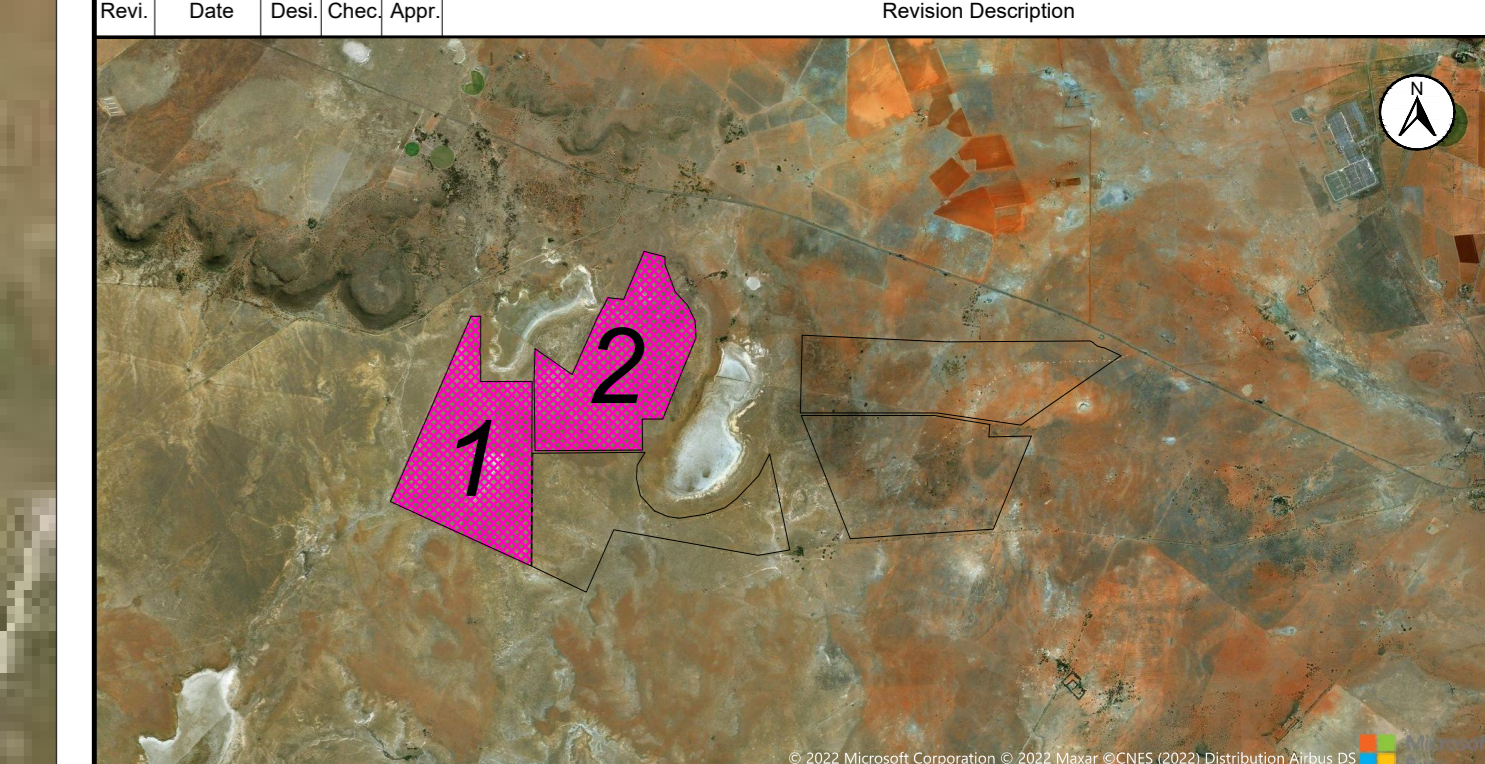
- NOTE:**
- Wetland Area with buffer zone of 32 metre has been excluded from PV array layout as per WULA requirements.
 - Any temporary/permanent sewage facility will be located outside 500m buffer zone of wetland to comply with Section 21 (g) of water use
 - Servitude width of 47m has been considered for 275kV power transmission line as per ESKOM guidelines.
 - Actual position of internal roads and transformers can go slight adjustment during execution stage.

Legend	
	Application Boundary
	Fence
	PV Area - min. 3m distance to fence
	Facility Maintenance / Access Road
	Internal Maintenance Road
	PV Racks
	Overhead Power Line
	Inverter / Transformer station
	Non-Perennial Watercourses
	Underground 33kV cables
	500m Buffer from Wetland Delineation

Before undertaking any civil works, the location of overhead-lines, buried cables, gas and water pipes are to be checked on site and also the corresponding owners of the utilities are to be contacted

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Rev.	Date	Des.	Chec	Appr.	Revision Description
C	07 Aug 23	MCA	SJA	HSD	Wetland area with buffer zone excluded, PV boundary changed for northern plot
B	20 Jun 23	MCA	SJA	HSD	Pitch changed to 7.10m, Servitude distance for 275 kV line changed as per ESKOM, flood zone area excluded
A	20 Jun 23	MCA	SJA	HSD	Pitch changed to 6.85m and smaller racks used
B	7 Jun 23	MCA	SJA	HSD	Original Drawing



Client: **ibvogt**

Please note that all drawing contents have to be checked on the contractor's own responsibility prior to construction start. Discrepancies have to be communicated to the contractual partner or to the responsible technical planners. Drawing numbers and index have to be observed. With release of new drawing, previous drawings lose their validity and will not be withdrawn.

Project Management / Engineering Design:		Version:		European Proj.	
ib vogt GmbH	Heinrichstr. 2-8	Name	Date		
Tel: +49 30 307440-0	www.ib-vogt.com	Designed	MCA	07 Aug 2023	
		Checked	SJA	07 Aug 2023	
		Approved	HSD	07 Aug 2023	
Engineering Design:		Project: Nkonyama Solar Farm			
ib vogt GmbH	Heinrichstr. 2-8	Planning Phase: Approval Design			
Tel: +49 30 307440-0	www.ib-vogt.com	Size:	A0, 1189x841	Drawing Scale:	1:4000
		Page:	001 / 001	Status:	07 Aug 2023
Supplier:		Module Array Layout			

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