SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE ENVIRONMENTAL SENSITIVITY

EIA Reference number: Not Assigned

Project name: Hercules Solar Cluster - Roode Kraal Solar PV1

Project title: Proposed Roode Solar PV1 development on the Farm Riet Roode Kraal 28, De Aar,

Northern Cape

Date screening report generated: 11/04/2024 06:10:01

Applicant: Roode Kraal Solar PV1

Compiler: Sharples Environmental Services cc

Compiler signature:

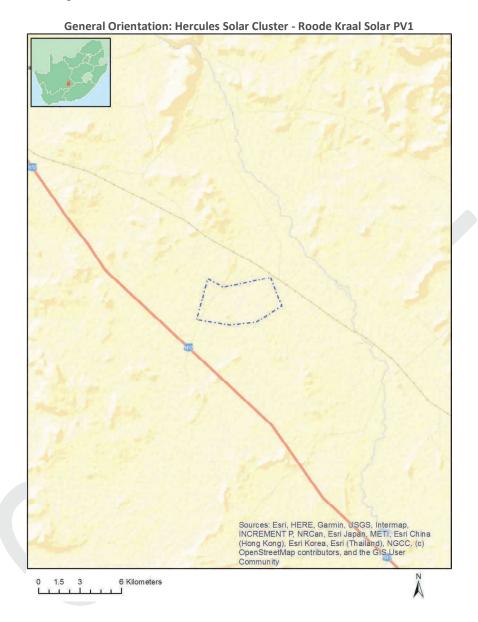
Application Category: Utilities Infrastructure | Electricity | Generation | Renewable | Solar | PV

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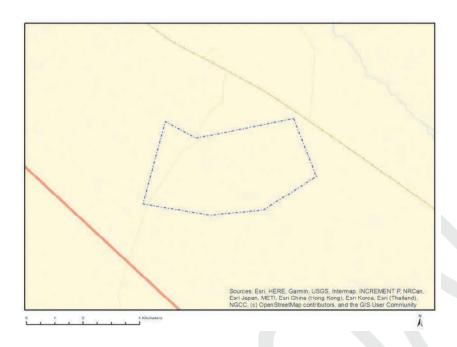
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	ROODE KRAAL	28	0	30°47'33.81S	24°13'32.6E	Farm
2	ROODE KRAAL	28	0	30°46'51.61S	24°10'30.95E	Farm Portion

Development footprint¹ vertices: No development footprint(s) specified.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of	Distance from proposed
			application	area (km)
1	12/12/20/2250/2/AM5	Solar PV	Approved	4
2	14/12/16/3/3/2/382/1/AM4	Solar PV	Approved	11.8
3	12/12/20/2250/4/AM3	Solar PV	Approved	10
4	12/12/20/2250/3/AM3	Solar PV	Approved	7.7
5	14/12/16/3/3/2/382/7	Solar PV	Approved	11.8
6	14/12/16/3/3/2/382/5/A1	Solar PV	Approved	11.8

¹ "development footprint", means the area within the site on which the development will take place and incudes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

7	14/12/16/3/3/2/382/1/A1	Solar PV	Approved	11.8
8	14/12/16/3/3/2/382/3/A2	Solar PV	Approved	11.8
9	12/12/20/2177	Solar PV	Approved	11.7
10	12/12/20/2177 12/12/20/2250/1/AM1	Solar PV	Approved	4
11	12/12/20/2230/1/AW1 12/12/20/2500/AM2	Solar PV	Approved	24.6
12	12/12/20/2300/AM3		· · ·	15.8
13	12/12/20/2465/1/AIVIS 12/12/20/2250/3	Wind Solar PV	Approved Approved	7.7
14			- ' '	23.2
	12/12/20/2025	Solar - CSP	Approved Approved	
15	14/12/16/3/3/1/2569	Solar PV	1-1	12.7
16 17	14/12/16/3/3/2/382/3/AM4	Solar PV	Approved	11.8
	12/12/20/2250/2 12/12/20/2250/5	Solar PV	Approved	12
18		Solar PV	Approved	
19	12/12/20/2463/1/AM5	Wind	Approved	15.8
20	14/12/16/3/3/2/382/4/AM3	Solar PV	Approved	11.8
21	12/12/20/2500/AM5	Solar PV	Approved	24.6
22	14/12/16/3/3/2/382/A1	Solar PV	Approved	11.8
23	14/12/16/3/3/2/2167	Solar PV	Approved	14.9
24	12/12/20/2250	Solar PV	Approved	4
25	12/12/20/2250/4/A1	Solar PV	Approved	10
26	12/12/20/2048/3	Solar PV	Approved	20.3
27	14/12/16/3/3/2/382/AM4	Solar PV	Approved	11.8
28	12/12/20/2313/AM2	Solar PV	Approved	11.3
29	12/12/20/2048/4	Solar PV	Approved	20.3
30	14/12/16/3/3/2/382/5/AM3	Solar PV	Approved	11.8
31	12/12/20/2025/1	Solar - CSP	Approved	23.2
32	14/12/16/3/3/1/2508	Solar PV	Approved	11.4
33	12/12/20/2025/2	Solar PV	Approved	23.2
34	12/12/20/2250/2/AM2	Solar PV	Approved	4
35	12/12/20/2463/1/A2	Wind	Approved	15.8
36	12/12/20/2048/2	Solar PV	Approved	20.3
37	14/12/16/3/3/2/382/3/AM3	Solar PV	Approved	11.8
38	12/12/20/2498/AM3	Solar PV	Approved	18.6
39	12/12/20/2250/2/AM3	Solar PV	Approved	4
40	12/12/20/2025/2/A	Solar PV	Approved	23.2
41	14/12/16/3/3/2/382/4/A1	Solar PV	Approved	11.8
42	12/12/20/2250/2/A1	Solar PV	Approved	4
43	14/12/16/3/3/2/382/3	Solar PV	Approved	11.8
44	12/12/20/2252/2/AM4	Solar - CSP	Approved	4
45	14/12/16/3/3/2/2156	Solar PV	Approved	2.5
46	12/12/20/2463/1/AM4	Wind	Approved	15.8
47	14/12/16/3/3/2/382/2/AM1	Solar PV	Approved	11.8
48	14/12/16/3/3/2/998	Solar PV	Approved	9.8
49	12/12/20/2500	Solar PV	Approved	24.6
50	12/12/20/2048/1	Solar PV	Approved	20.3
51	12/12/20/2250/5/AM2	Solar PV	Approved	12
52	14/12/16/3/3/2/2157	Solar PV	Approved	10
53	14/12/16/3/3/2/382/2/AM2	Solar PV	Approved	11.8
54	12/12/20/2250/1/AM2	Solar PV	Approved	4
55	14/12/16/3/3/2/2155	Solar PV	Approved	7.7
56	12/12/20/2498	Solar PV	Approved	18.6
57	14/12/16/3/3/1/2323	Solar PV	Approved	10
58	12/12/20/2250/1	Solar PV	Approved	4
59	12/12/20/2500/AM3	Solar PV	Approved	24.6
60	14/12/16/3/3/2/382/1	Solar PV	Approved	11.8
	12/12/20/2463/2	Wind	Approved	15.8
61			- ' '	
		Solar PV	Approved	11.0
62	14/12/16/3/3/2/382/6	Solar PV Solar PV	Approved Approved	11.8 15.9
62 63	14/12/16/3/3/2/382/6 12/12/20/2258/4	Solar PV	Approved	15.9
62	14/12/16/3/3/2/382/6			

67 12/12/20/2498/A1 Solar PV Approved 18.6 68 14/12/16/3/3/2/382/1/AM5 Solar PV Approved 11.8 69 12/12/20/2250/2/AM2 Wind Approved 27.9 70 12/12/20/2250/4/AM4 Solar PV Approved 4 71 12/12/20/2250/4/AM2 Solar PV Approved 10 72 14/12/16/3/3/2/382/2 Solar PV Approved 11.8 73 12/12/20/2250/4/AM4 Solar PV Approved 10 74 14/12/16/3/3/1/2557 Wind Approved 1 75 12/12/20/24631/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11 78 12/12/20/1651/A2 Wind Approved 11.8 80 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 10					
69 12/12/20/2463/2/AM2 Wind Approved 27.9 70 12/12/20/2250/2/AM4 Solar PV Approved 4 71 12/12/20/2250/4/AM2 Solar PV Approved 10 72 14/12/16/3/3/2/382/2 Solar PV Approved 11.8 73 12/12/20/2250/4/AM4 Solar PV Approved 10 74 14/12/16/3/3/1/2557 Wind Approved 4 75 12/12/20/2463/1/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/250/4 Solar PV Approved 24.6 83 12/12/20/250/AM6 Solar PV Approved 24.6	67	12/12/20/2498/A1	Solar PV	Approved	18.6
70 12/12/20/2250/2/AM4 Solar PV Approved 4 71 12/12/20/2250/4/AM2 Solar PV Approved 10 72 14/12/16/3/3/2/382/2 Solar PV Approved 11.8 73 12/12/20/2250/4/AM4 Solar PV Approved 10 74 14/12/16/3/3/1/2557 Wind Approved 4 75 12/12/20/2463/1/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11.8 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2550/4 Solar PV Approved 24.6 82 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6<	68	14/12/16/3/3/2/382/1/AM5	Solar PV	Approved	11.8
71 12/12/20/2250/4/AM2 Solar PV Approved 10 72 14/12/16/3/3/2/382/2 Solar PV Approved 11.8 73 12/12/20/2250/4/AM4 Solar PV Approved 10 74 14/12/16/3/3/1/2557 Wind Approved 4 75 12/12/20/2463/1/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 1	69	12/12/20/2463/2/AM2	Wind	Approved	27.9
72 14/12/16/3/3/2/382/2 Solar PV Approved 11.8 73 12/12/20/2250/4/AM4 Solar PV Approved 10 74 14/12/16/3/3/1/2557 Wind Approved 4 75 12/12/20/2463/1/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 12.6 84 12/12/20/2499/AM8 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12	70	12/12/20/2250/2/AM4	Solar PV	Approved	4
73 12/12/20/2250/4/AM4 Solar PV Approved 10 74 14/12/16/3/3/1/2557 Wind Approved 4 75 12/12/20/2463/1/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 12.6 84 12/12/20/2499/AM8 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8	71	12/12/20/2250/4/AM2	Solar PV	Approved	10
74 14/12/16/3/3/1/2557 Wind Approved 4 75 12/12/20/2463/1/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 23	72	14/12/16/3/3/2/382/2	Solar PV	Approved	11.8
75 12/12/20/2463/1/2 Wind Approved 15.8 76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11	73	12/12/20/2250/4/AM4	Solar PV	Approved	10
76 12/12/20/1651 Wind Approved 11 77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2500/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	74	14/12/16/3/3/1/2557	Wind	Approved	4
77 14/12/16/3/3/2/382/AM3 Solar PV Approved 11.8 78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 23 88 14/12/16/3/3/2/382/4/A3 Solar PV Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	75	12/12/20/2463/1/2	Wind	Approved	15.8
78 12/12/20/1651/A2 Wind Approved 11 79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	76	12/12/20/1651	Wind	Approved	11
79 14/12/16/3/3/2/382/4 Solar PV Approved 11.8 80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	77	14/12/16/3/3/2/382/AM3	Solar PV	Approved	11.8
80 14/12/16/3/3/2/382/5 Solar PV Approved 11.8 81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	78	12/12/20/1651/A2	Wind	Approved	11
81 12/12/20/2250/4 Solar PV Approved 10 82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	79	14/12/16/3/3/2/382/4	Solar PV	Approved	11.8
82 12/12/20/1673 Solar PV Approved 24.6 83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	80	14/12/16/3/3/2/382/5	Solar PV	Approved	11.8
83 12/12/20/2500/AM6 Solar PV Approved 24.6 84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	81	12/12/20/2250/4	Solar PV	Approved	10
84 12/12/20/2499/AM8 Solar PV Approved 12.6 85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	82	12/12/20/1673	Solar PV	Approved	24.6
85 14/12/16/3/3/2/382/6/AM3 Solar PV Approved 11.8 86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	83	12/12/20/2500/AM6	Solar PV	Approved	24.6
86 12/12/20/2250/5/A1 Solar PV Approved 12 87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	84	12/12/20/2499/AM8	Solar PV	Approved	12.6
87 14/12/16/3/3/2/382/1/AM3 Solar PV Approved 11.8 88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	85	14/12/16/3/3/2/382/6/AM3	Solar PV	Approved	11.8
88 14/12/16/3/3/1/2329 Wind Approved 23 89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	86	12/12/20/2250/5/A1	Solar PV	Approved	12
89 14/12/16/3/3/2/382/4/A3 Solar PV Approved 11.8	87	14/12/16/3/3/2/382/1/AM3	Solar PV	Approved	11.8
	88	14/12/16/3/3/1/2329	Wind	Approved	23
90 14/12/16/3/3/2/2267 Solar PV Approved 6.8	89	14/12/16/3/3/2/382/4/A3	Solar PV	Approved	11.8
23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	90	14/12/16/3/3/2/2267	Solar PV	Approved	6.8

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

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Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

Utilities Infrastructure | Electricity | Generation | Renewable | Solar | PV.

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined EGI.pdf

Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the

proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme	,	,	X	,
Animal Species Theme		Х		
Aquatic Biodiversity Theme	Х			
Archaeological and Cultural				Х
Heritage Theme				
Avian Theme				Х
Civil Aviation (Solar PV)				Х
Theme				
Defence Theme				Х
Landscape (Solar) Theme		Х		
Paleontology Theme	Х			
Plant Species Theme				Х
RFI Theme		X		
Terrestrial Biodiversity Theme	Х			

Specialist assessments identified

Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

No	Specialist	Assessment Protocol
	assessment	
1	Agricultural Impact	https://screening.environment.gov.za/ScreeningDownloads/Asse
	Assessment	ssmentProtocols/Gazetted WindAndSolar Agriculture Assessme
		nt Protocols.pdf
2	Landscape/Visual Impact	https://screening.environment.gov.za/ScreeningDownloads/Asse
	Assessment	ssmentProtocols/Gazetted General Requirement Assessment P
		<u>rotocols.pdf</u>
3	Archaeological and	https://screening.environment.gov.za/ScreeningDownloads/Asse
	Cultural Heritage Impact	ssmentProtocols/Gazetted General Requirement Assessment P
	Assessment	<u>rotocols.pdf</u>
4	Palaeontology Impact	https://screening.environment.gov.za/ScreeningDownloads/Asse
	Assessment	ssmentProtocols/Gazetted General Requirement Assessment P
		<u>rotocols.pdf</u>
5	Terrestrial Biodiversity	https://screening.environment.gov.za/ScreeningDownloads/Asse
	Impact Assessment	ssmentProtocols/Gazetted Terrestrial Biodiversity Assessment
		<u>Protocols.pdf</u>
6	Aquatic Biodiversity	https://screening.environment.gov.za/ScreeningDownloads/Asse
	Impact Assessment	ssmentProtocols/Gazetted Aquatic Biodiversity Assessment Pr
		<u>otocols.pdf</u>
7	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse
		ssmentProtocols/Gazetted_Civil_Aviation_Installations_Assessme
		nt Protocols.pdf
8	Defense Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse

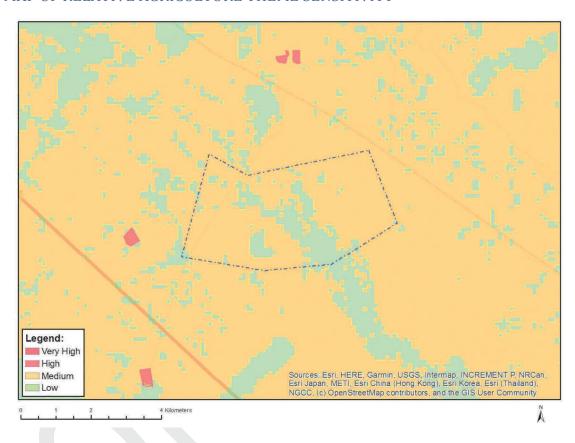
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		ssmentProtocols/Gazetted Defence Installations Assessment Pr otocols.pdf
9	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted General Requirement Assessment P rotocols.pdf
10	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted General Requirement Assessment P rotocols.pdf
11	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/Asse ssmentProtocols/Gazetted General Requirement Assessment P rotocols.pdf
12	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
13	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

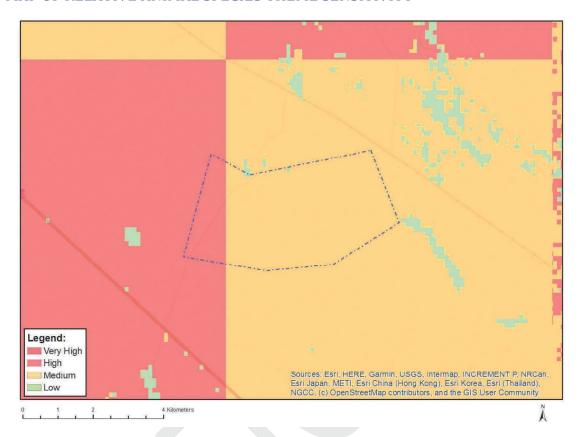
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

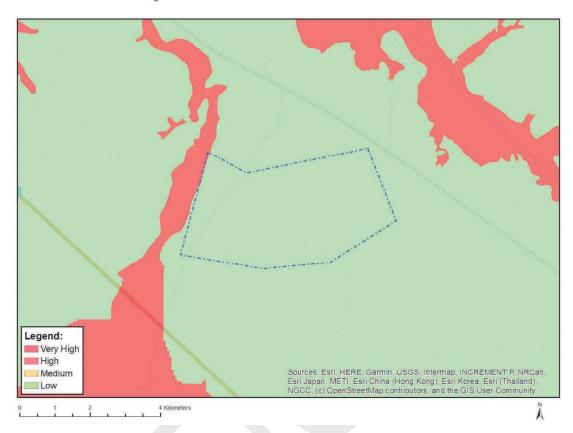


Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity	Feature(s)
High	Aves-Neotis ludwigii
Low	Subject to confirmation
Medium	Aves-Aquila rapax
Medium	Aves-Neotis ludwigii

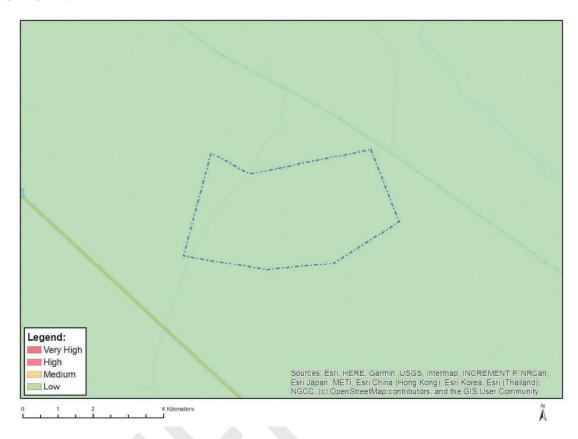
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)	
Low	Low sensitivity	
Very High	Wetlands_(River)	

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AVIAN THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)		
Low	Low Sensitivity		

MAP OF RELATIVE CIVIL AVIATION (SOLAR PV) THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)
Low	No major or other types of civil aviation aerodromes

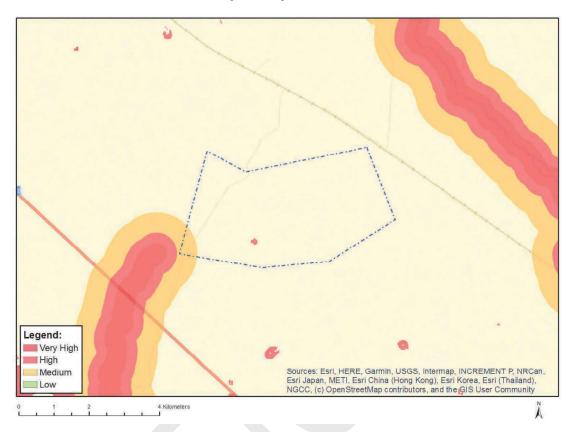
MAP OF RELATIVE DEFENCE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)	
Low	Low sensitivity	

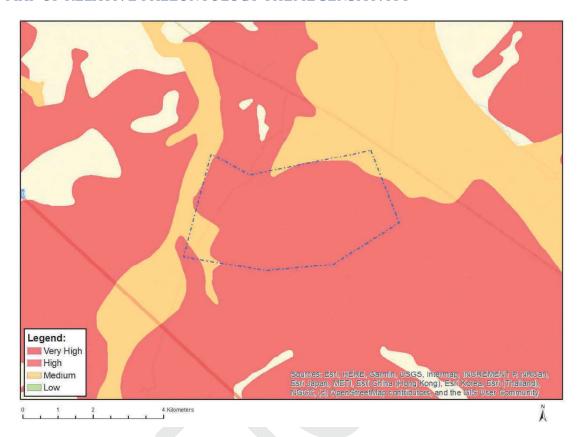
MAP OF RELATIVE LANDSCAPE (SOLAR) THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity	Feature(s)
High	Slope between 1:4 and 1:10
Low	Slope less than 1:10
Medium	Within 1000 m of a wetland

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)	
Medium	Features with a Medium paleontological sensitivity	
Very High	Features with a Very High paleontological sensitivity	

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY

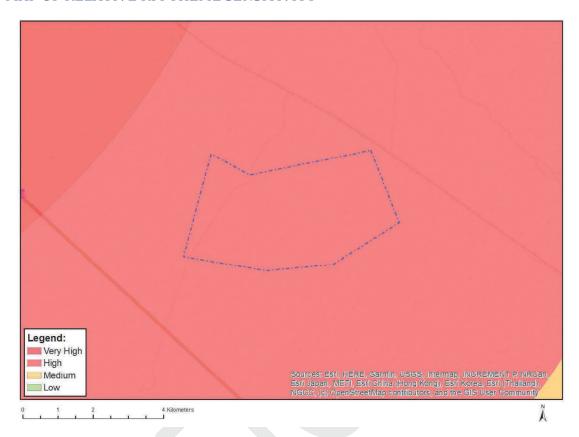


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Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			Χ

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE RFI THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	Х		

Sensitivity	Feature(s)
High	Between 18 and 30 km from a Weather Radar installation and within the radar's line of sight

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	ESA