Scatec Solar
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BASIC ASSESSMENT REPORT

Basic Assessment for the proposed development of a 115 MW Solar Photovoltaic (PV) Facility and associated electrical infrastructure (i.e. Kenhardt PV 4), north-east of Kenhardt, in the Northern Cape

APPENDIX B:
FACILITY ILLUSTRATIONS

SECTION F: APPENDICES

Basic Assessment for the for the Proposed Development of the Scatec Kenhardt Solar PV4 project and associated electrical infrastructure, Kenhardt, Northern Cape.

Map 1 – Project Facility and Engineering designs (Layout)

Notes

PV Plant: Kenhardt
Location: Northern Cape, South Africa
UTM convergence: -0.1510
Altitude: 932.0 m
Suitable area: 176.1 ha
Perimeter fence: 5.15 km

Rated Power: 80.0 MW
Peak Power: 86.1 MW
Ratio DC/AC: 1.08
Structure: Monoline 2V
PV Module: Canadian Solar Inc. CS3W-415P 1500V HE
Inverter: Gamesa Electric Gamesa E-2.5MVA-S8-I
Power Station: 5000.0 kVA, 0.66/33.0kV
Pitch distance: 14.0 m
Modules per string: 30

Number of PV modules: 207360
Number of string boxes: 576
Number of inverters: 32
Number of power stations: 16

Legend

- Available area
- Substation
- Power station
- Colors indicate solar field connection to each power station
- Mounting structure
- Roads
- Medium voltage trenches
- Low voltage trenches
- Fences
- Medium voltage lines
- String cables
- Cables from string box to inverter
- String boxes

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| REV | DESCRIPTION | BY | DATE |

FOR INFORMATION ONLY

CLIENT:

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PROJECT:
Kenhardt PV 4

DRAWING:
PV Plant Layout

| SCALE: 1 : 10000 | SHEET: 1 / 1 |
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