

# APPENDIX C

## Public Participation Documentation

## Stakeholder Database



## STAKEHOLDER DATABASE

### ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP, NORTHERN CAPE

Title	Name	Surname	Company/ Private Individual
Mr	Frank	Groenewald	Farmer
Mr	Marthinus	Du Preez	Farmer
Mrs	Susan	Van der Merwe	Farmer
Mr	Martin	Compion	Tripple T Consulting Of South Africa Pty Ltd
Mr	Theunis	Strauss	Farmer
Mr	Mahlatse	Shubane	Department of Environmental Affairs
Mr	Seoka	Lekota	Department of Environmental Affairs:
Ms	Thabile	Sangweni	Department of Environmental Affairs
Mr	Steven	Smith	South African National Parks
Ms	Ansie	Nel	Arrie se Put Guest House
Ms	Rene	de Kock	South African National Roads Agency
Mr	Nandu	Bhula	ACWA Power
Ms	Simphiwe	Masilela	ATNS
Ms	Justine	Wyngaardt	Eskom Holdings SOC Limited - Land Development
Mr	Francois	Slabber	Crescendo Trust
Mr	John	Geeringh	Eskom Transmission
Mr	Jacques	Slabber	Crescendo Trust
Ms	Annetjie	Plessis	SKA South Africa Northern Cape
Dr	Adrian	Tiplady	SKA South Africa Northern Cape
Mr	Pieter	Snyman	SKA South Africa Northern Cape
Mr	Willie	Bruwer	Oranje Vaal Water Use Association
Ms	Lizelle	Beukes	Oranje Vaal Water Use Association



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Mr	Pieter	de Witt	Farmer
Ms	Helena	Buys	Alstop Supermarket
Mr	Hanno	Blom	Boegoebergdam Resort
Mr	J	Joseph	!Kheis Local Municipality
Mr	Andries	Diergaardt	!Kheis Local Municipality
Cllr	Paul	Vries	!Kheis Local Municipality
Ms	Teresa	Scheepers	!Kheis Local Municipality
Mr	Johannes	Kotze	Kleinbegin Plase Trust
Ms	Gloria	Klaas	Private
Mr	Stephanus	van Eck	!Kheis Local Municipality
Mr	Ockert	Bouwer	!Kheis Riverside Lodge
Ms	Maryke	van der Merwe	Opwag Groblershoop Pty Ltd
Mr	Andre	Smith	Sotrou Vervaardigers CC
Mr	Cornelius	Van Niekerk	Farmer
Mr	Pieter	van Zyl	Farmer
Mr	Wilco	Fourie	Farmer
Mr.	Johannes	Fourie	Shalom Boerdery Pty Ltd
Mr	Andre	Kruger	Boegoeberg Water Association
Mr	Angelo	Daniels	!Kheis Local Municipality
Mr	Edward	de Klerk	!Kheis Local Municipality
Mr	Jean	Lombard	Boegoeberg Water Use Association
Mr	Chris	Honiball	Honiball Familie Trust
Mr	Kobus	Buys	LAW Abattoir
Ms	Lizzy	Job	!Kheis Local Municipality



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Ms	Joline	Towell	Department of Water and Sanitation
Mr	Jakobus	Blom	!Kheis Local Municipality
Mr	W	van Eck	Private
Mr.	Wilco	Fourie	Sanddraai Arbeidsgenot Pty Ltd
Mr	Dirk	Nortje	DJN Boerdery Pty Ltd
Mr	Hannes	de Witt	Agrimark Groblershoop
Mr	Pieter	Struwig	Eskom
Mr	Jannie	Kuhn	Private
Mr	Willem	Strauss	Game Farm
Mr	H	Koopman	Groblershoop Community Health Centre
Mr	Jannie	van Zyl	Jakkalsdans Farm
Mrs	Poppie	Howell	Private
Mr	Fanie	Marais	Boegoeberg Water Use Association
Ms	Adila	Marengo	Eskom - Renewable Energy Independent Power
Ms	Sarina	Jansen	!Kheis Local Municipality
Mr	Peter	Kotze	Farmer
Mr	Johannes	Kotze	Kleinbegin Plase Trust
Mr	D	Dolopi	!Kheis Local Municipality
Mr	Johannes	van Jaarsveldt	Farmer
Ms	Matilda	Mathupi	Groblershoop Library
Mr	Sean	Cloete	Department of Water and Sanitation
Mr	Hendrik	Maritz	Glen Lyon Farms
CIlr	Elizabeth	Cloete	//Khara Hais Local Municipality
Mr	Herman	Craywagen	Orange River Wine Cellars



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Mr	Ronnie	Snyman	Eskom Holdings Ltd
Mr	Raymond	Brown	Farmer
Mr	Stephan	van Zyl	Farmer
Ms	Aletta	Strauss	!Kheis Local Municipality
Mr	Peter	Kotze	Boegoeberg Water Users Association
Mr	Louis	Kotze	Gariep Farmers Union
Mr	Koos	Pretorius	South African Civil Aviation Authority
Mrs	Lizell	Stroh	South African Civil Aviation Authority
Mr	Simphiwe	Makhatini	Department of Public Enterprises
Mr	Jan	Reitz	Farmer
Mr	Pieter	du Plessis	Farmer
Mr	Dirk	Malan	Kalahari Water
Mr	Peter	Marais	Air Traffic and Navigation Services (ATNS)
Mr	Hennie	Marais	Air Traffic and Navigation Services (ATNS)
Ms	Mora	Maraaia-Martin	Northern Cape Provincial Government
Mr	Sunday	Mabaso	Department of Mineral Resources
Ms	Nicolle	Abrahams	South African National Roads Agency
Mr	J	Jonkens	Department of Transport, Safety and Liaison
Mr	Norman	Shushu	Department of Agriculture, Land Reform and Rural Development
Mr	Robert	Hasty	Wildlife and Environment Society of South Africa
Mr	Andrew	Timothy	South African Heritage Resource Agency
Mr	L	Snyders	Department of Water and Sanitation
Ms	Erna	Groeners	Department Environment and Nature Conservation



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Mr	Henning	Myburgh	Agri Northern Cape
Mr	Johannes	Nowalaza	Department of Education
Ms	Dineo	Moleko	Department of Environmental Affairs (DEA)
Mr	Maloeiemang	Manong	South African Heritage Resource Agency
Mr	A	Abrahams	DWS
Ms	Ruth	Palm	Department of Roads and Public Works
Mr	Tiny	Chotelo	Northern Cape Provincial Government
Ms	Omkarabetfe	Mothefi	Northern Cape Department of Arts and Culture
Mr	Melvyn	Smith	Department of Sport, Arts and Culture
Ms	Suzanne	Erasmus	Wildlife and Environment Society of South Africa
Mr	Norman	Papenfus	Transnet Ltd - Landowner
Mr	Nico	Fourie	Department Roads and Public Works
Mr	Hendrik	Louw	Northern Cape Department of Development and Tourism
Mr	O	Gaorelwe	Department Environment and Nature Conservation
Mr	Mehmood	Ahmed	Industrial Development Corporation (IDC) - Northern Cape
Mr	Johan	van Rensburg	Agri SA
Mr	Itumeleng	Bulani	Northern Cape Department Roads and Public Works
Mr	Sampie	de Beer	Sampie de Beer Familie Trust
Mr	J	Esterhuysen	JH Esterhuysen Familie Trust
Ms	Vered	Karty	BrightSource Energy
Mr	Mike	Nlengana	African Farmers Association of South Africa (AFASA)



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Mrs	Mariette	Weiderman	Golder Associates Africa
Mrs	Marie	Schlechter	Golder Associates Africa
Dr	D	de Waal	Golder Associates Africa
Ms	Samantha	Ralston-Paton	Birdlife South Africa
Mr	Jason	Schaffer	Nano Energy
Ms	Ndumie	Madlongilwana	Department of Education
Mr	M	Madlongolwana	Department of Education
Ms	Cynthia	Ferrys	Department of Education
Mr	Gilbert	Nortier	Transnet Freight Rail
Ms	Marina	Lourens	Transnet Freight Rail
Mr	David	Khakhane	Witsand Nature Reserve
Dr	Andile	Gxasheka	National Energy Regulator of South Africa (NERSA)
Ms	Lerato	April	Department of Energy
Dr	K	Sikhitha	Economic Development Department
Ms	Tshidi	Nchabeleng	Department of Communications
Mr	Dieter	Holm	Solar Energy Society of SA
Ms	Thoko	Buthelezi	Department of Agriculture, Forestry and Fisheries
Ms	Mmatlala	Rabothata	Department of Environmental Affairs
Ms	Millicent	Solomons	Department of Environmental Affairs (DEA)
Ms	Bridget	Mohlala	Economic Development Department
Ms	Vania	Mahotas	Department of Energy
Mr	Coenrad	Agenbach	Department of Environmental Affairs (DEA)
Ms	Norma	Sali	Department of Trade and Industry
Miss	Mashudu	Marubini	Department of Agriculture, Forestry and Fisheries





## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Mr	Muhammed	Essop	Department of Environmental Affairs
Mr	Julian	Williams	Department of Social Development
Mr	Lazarus	Mahlangu	National Department of Energy
Ms	Senisha	Murugan	Department of Environmental Affairs
Mr	Maduna	Ngobeni	National Department of Energy
Ms	Vania	Mohotas	National Department of Energy
Mrs	Alet	Pienaar	Department of Social Development
Mr	Herman	Alberts	Department of Environmental Affairs
Mr	Shaun	Johnson	Sustainable Futures ZA
Mr	Andy	Louw	Standard Bank
Mr	Lusani	Rathanya	ACWA Power Africa Holdings
Mr	Michael	Cheesian	AngloAmerican
Mr	Gary	Gerber	Farmer
Mr	Zola	Ndimande	Solarzone (Pty) Ltd
Mr	Barend	Louw	Farmer
Mr	Hennie	Auret	//Khara Hais Local Municipality
Mr	Ferdie	van Wyk	//Khara Hais Local Municipality
Mr	Christo	Smit	Department of Agriculture, Land Reform and Rural Development
Mr	Gawie	Brand	Orange River Farmers Association
Ms	Dimakatso	Koloi	//Khara Hais Local Municipality
Mr	Gundlani	Bovu	//Khara Hais Local Municipality
Mr	Piet	van Schalkwyk	Farmer
Mr	Deon	van Zyl	Lutz & Van Zyl Land Surveyors
Mr	Andre	Smith	Willie Smith & Seuns Boerdery CC



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Ms	Melissa	September	Trausere
Mr	Japie	Engelbrecht	Orange River Farmers Union: Agri SA
Ms	Cherie	Roberts	Leads 2 Business
Mr	Kobus	van Zyl	ZF Mgcawu District Municipality
Ms	Melanie	Theron	Orange River Farmers Association
Ms	Catrin	de Beer	Green Kalahari Tourism Office
Mr	Johan	Maritz	Schonegevel Holdings Pty Ltd
Mr	Ivan	Juries	//Khara Hais Local Municipality
Mr	Luke	Solomon	Department of Social Services and Population Development
Ms	Martha	Molokwane	Department of Environment and Nature Conservation
Mr	Daloxolo	Ngxinga	//Khara Hais Local Municipality
Mr	Conrad	Geldenhuys	//Khara Hais Local Municipality
Mr	Klassie	Makatong	//Khara Hais Local Municipality
Mr	Andre	Phete	Department of Cooperative Governance Human Settlement and Traditional Affairs
Mr	A	Goussard	JCG Water Treatment
Mrs	Kgaphola	Mashudu	Department of Water and Sanitation: Area Office
Ms	I	Mogodi	Department of Co-operative Governance, Human Settlement and Traditional Affairs
Mr	Johan	Maritz	Oryx Management Services Pty Ltd
Mr	Vernon	Mfusi	//Khara Hais Local Municipality
Mr	Johan	Mouton	Agrimark
Ms	Denise	Rapatsa	ZF Mgcawu District Municipality
Ms	Vanessa	van Wyk	//Khara Hais Local Municipality



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Mr	Ampie	Vlok	Private
Mr	Frikkie	Rupping	ZF Mgcawu Local Municipality
Mr	Hannes	Combrinck	ZF Mgcawu District Municipality
Ms	Anga	Yaphi	Northern Cape Department of Environment and Nature Conservation
Mr	Jan	van Zyl	Lutz & Van Zyl Land Surveyors
Mr	G	Cloete	ZF Mgcawu District Municipality
Mr	Hoffie	Joubert	Oranje Cooperative Limited
Mr	Jeremy	Plessis	//Khara Hais Local Municipality
Ms	Christa	Mouton	South African National Roads Agency Limited
Mr	Ordain	Riba	Department of Environment and Nature Conservation
Mr	Frikkie	Rupping	ZF Mgcawu District Municipality
Mr	Lucias	Moolman	General Manager: Northern Cape Parks
Mr	Elias	Ntoba	ZF Mgcawu District Municipality
Ms	Nongo	Dibede	Airports Company of South Africa - Upington Airport
Mr	Gift	van Staden	ZF Mgcawu District Municipality
Mr	Alfred	Tieties	ZF Mgcawu District Municipality
Mr	Emmanuel	Thebe	Department of Water and Sanitation: Area Office
Mr	P	Kotze	ZF Mgcawu Local Municipality
Mr	Zelna	Mjila	ZF Mgcawu District Municipality
Mr	Willem	Fourie	Orange River Farmers Association
Mr	Albert	van Niekerk	Klipkoppies Farm
Mr	Abraham	Morkel	Louwvale-Weg Opkomende Boere Vereniging
Mr	MC	Cebekhulu	Department of Water and Sanitation



## STAKEHOLDER DATABASE

Title	Name	Surname	Company/ Private Individual
Mr	Steven	Shibambu	Department of Water and Sanitation
Mr	J	Stander	Airports Company of South Africa
Mr	Naas	Breytenbach	Sentech Limited
Mr	Charl	April	//Khara Hais Local Municipality
Mr	Mervin	October	Department of Social Services and Population Development
Mr	Thomas	Basson	//Khara Hais Local Municipality

## Registered I & APs



## REGISTERED I & APS

### ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP, NORTHERN CAPE

Title	Name	Organisation	Adjacent Landowner	City
Mr	Johannes Kotze	Kleinbegin Plase Trust	Yes	Groblershoop
Ms	Maryke van der Merwe	Opwag Groblershoop Pty Ltd	Yes	Groblershoop
Mr	Wilco Fourie	Farmer	Yes	GROBLERSHOOP
Mr.	Johannes Fourie	Shalom Boerdery Pty Ltd	Yes	Groblershoop
Mr	Chris Honiball	Honiball Familie Trust	Yes	GROBLERSHOOP
Mr	Johan Maritz	Oryx Management Services Pty Ltd	Yes	UPINGTON
Mr.	Wilco Fourie	Sanddraai Arbeidsgenot Pty Ltd	Yes	Groblershoop
Mr	Norman Papenfus	Transnet Ltd - Landowner	Yes	
Mr	Peter Kotze	Farmer	Yes	GROBLERSHOOP
Mr	Johannes Kotze	Kleinbegin Plase Trust	Yes	GROBLERSHOOP
Mr	Nandu Bhula	ACWA Power SolAfrica Bokpoort (Pty) Ltd	Yes	Benmore
Mr	Ronnie Snyman	Eskom Holdings Ltd	Yes	GROBLERSHOOP
Ms	Helena Buys	Alstop Supermarket	No	GROBLERSHOOP
Mr	Barend Louw	Farmer	No	UPINGTON
Ms	Mora Maraaia-Martin	Northern Cape Provincial Government	No	KIMBERLEY
Mr	Hennie Auret	Khara Hais Local Municipality	No	UPINGTON
Mr	Hanno Blom	Boegoebergdam Resort	No	GROBLERSHOOP
Mr	J P I Joseph	!Kheis Local Municipality	No	GROBLERSHOOP
Ms	Ndumie Madlongilwana	Department of Education	No	Paballelo



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Ferdie van Wyk	Khara Hais Local Municipality	No	UPINGTON
Dr	Andile Gxasheka	National Energy Regulator of South Africa (NERSA)	No	PRETORIA
Mr	Andries Diergaardt	!Kheis Local Municipality	No	GROBLERSHOOP
Clr	Paul Vries	!Kheis Local Municipality	No	GROBLERSHOOP
Mr	Christo Smit	Department of Agriculture, Land Reform and Rural Development	No	UPINGTON
Mr	Steven Smith	South African National Parks (SANPARKS)	No	AUGRABIES
Ms	Lerato April	Department of Energy	No	PRETORIA
Ms	Teresa Scheepers	!Kheis Local Municipality	No	GROBLERSHOOP
Mr	Koos Pretorius	South African Civil Aviation Authority (SACAA)	No	HALFWAY HOUSE
Mr	Gawie Brand	Orange River Farmers Association	No	UPINGTON
Ms	Gloria Klaas	Private	No	GROBLERSHOOP
Mr	Pieter de Witt	Farmer	No	N Cape
Mrs	Mariette Weiderman	Golder Associates Africa	No	Midrand
Dr	K Sikhitha	Economic Development Department	No	PRETORIA
Mr	Dieter Holm	Solar Energy Society of SA (SESSA)	No	HARTBEESPOORT
Mr	Pieter du Plessis	Farmer	No	KANONEILAND
Mr	Stephanus van Eck	!Kheis Local Municipality	No	GROBLERSHOOP
Mr	Sampie de Beer	Sampie de Beer Familie Trust	No	LAMBRECHTSDRIF
Ms	Dimakatso Koloi	Khara Hais Local Municipality	No	UPINGTON
Mrs	Lizell Stroh	South African Civil Aviation Authority (SACAA)	No	



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Gundlani Bovu	Khara Hais Local Municipality	No	UPINGTON
Mr	Ockert Bouwer	!Kheis Riverside Lodge	No	GROBLERSHOOP
Mr	Piet van Schalkwyk	Farmer	No	UPINGTON
Mr	Andre Smith	Sotrou Vervaardigers CC	No	
Mr	Cornelius Van Niekerk	Farmer	No	Grobblershoop
Mr	Pieter van Zyl	Farmer	No	GROBLERSHOOP
Mr	Deon van Zyl	Lutz & Van Zyl Land Surveyors	No	UPINGTON
Ms	Annetjie du Plessis	SKA South Africa - Carnarvon Office Northern Cape	No	Carnarvon
Mr	Andre Smith	Willie Smith & Seuns Boerdery CC	No	
Mr	M Madlongolwana	Department of Education	No	Paballelo
Ms	Melissa September	Trausere	No	UPINGTON
Mr	David Khakhane	Witsand Nature Reserve	No	POSTMASBURG
Mr	J Jonkens	Department of Transport, Safety and Liaison	No	KIMBERLEY
Mr	Japie Engelbrecht	Orange River Farmers Union: Agri SA	No	UPINGTON
Ms	Mmatlala Rabothata	Department of Environmental Affairs	No	PRETORIA
Mr	Louis Kotze	Gariap Farmers Union	No	GROOTDRINK
Mr	Michael Cheesian	AngloAmerican	No	
Ms	Justine Wyngaardt	Eskom Holdings SOC Limited - Land Development	No	
Dr	Adrian Tiplady	SKA South Africa	No	
Ms	Cherie Roberts	Leads 2 Business	No	





## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Norman Shushu	Department of Agriculture, Land Reform and Rural Development	No	KIMBERLEY
Mr	Kobus van Zyl	ZF Mgcawu District Municipality	No	UPINGTON
Ms	Melanie Theron	Orange River Farmers Association	No	UPINGTON
Ms	Catrin de Beer	Green Kalahari Tourism Office	No	UPINGTON
Ms	Millicent Solomons	Department of Environmental Affairs (DEA)	No	PRETORIA
Mr	Andy Louw	Standard Bank	No	ROSEBANK
Mr	Johan Maritz	Schonegevel Holdings Pty Ltd	No	Groblershoop
Mr	Robert Hasty	Wildlife and Environment Society of South Africa	No	BEACONSFIELD
Mr	Ivan Juries	Khara Hais Local Municipality	No	KALKSLOOT
Mr	Andre Kruger	Boegoeberg Water Association	No	Groblershoop
Ms	Bridget Mohlala	Economic Development Department	No	
Mr	Angelo Daniels	!Kheis Local Municipality	No	GROBLERSHOOP
Ms	Vered Karty	BrightSource Energy	No	LONDON W2 61G
Mr	Andrew Timothy	South African Heritage Resource Agency (SAHRA)	No	KIMBERLEY
Mr	Luke Solomon	Department of Social Services and Population Development	No	UPINGTON
Mr	Edward de Klerk	!Kheis Local Municipality	No	GROBLERSHOOP
Mr	Daloxolo Ngxinga	Khara Hais Local Municipality	No	UPINGTON
Mr	Jean Lombard	Boegoeberg Water Use Association	No	GROBLERSHOOP
Mr	Conrad Geldenhuys	Khara Hais Local Municipality	No	UPINGTON
Mr	Willie Bruwer	Oranje Vaal Water Use Association	No	DOUGLAS
Ms	Ansie Nel	Arrie se Put Guest House	No	AUGRABIES



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Frank Groenewald	Farmer	No	
Mr	L J Snyders	Department of Water and Sanitation (DWS)	No	KIMBERLEY
Mr	Kobus Buys	LAW Abattoir	No	GROBLERSHOOP
Ms	Vania Mahotas	Department of Energy	No	PRETORIA
Mr	Klassie Makatong	Khara Hais Local Municipality	No	UPINGTON
Mr	Andre Phete	Department of Cooperative Governance Human Settlement and Traditional Affairs	No	UPINGTON
Mr	A Goussard	JCG Water Treatment	No	UPINGTON
Mr	Peter Marais	Air Traffic and Navigation Services (ATNS)	No	KEMPTON PARK
Ms	Lizzy Job	!Kheis Local Municipality	No	GROBLERSHOOP
Mrs	Kgaphola Mashudu	Department of Water and Sanitation (DWS): Area Office	No	UPINGTON
Ms	I Mogodi	Department of Co-operative Governance, Human Settlement and Traditional Affairs	No	
Mr	Marthinus Du Preez	Farmer	No	
Ms	Erna Groeners	Department Environment and Nature Conservation	No	KIMBERLEY
Ms	Joline Towell	Department of Water and Sanitation (DWS)	No	GROBLERSHOOP
Mr	Vernon Mfusi	Khara Hais Local Municipality	No	UPINGTON
Mr	Jakobus Blom	!Kheis Local Municipality	No	GROBLERSHOOP
Mr	Johan Mouton	Agrimark	No	UPINGTON
Ms	Denise Rapatsa	ZF Mgcawu District Municipality	No	UPINGTON
Ms	Vanessa van Wyk	Khara Hais Local Municipality	No	UPINGTON



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Ms	Samantha Ralston-Paton	Birdlife South Africa	No	NEWLANDS
Mr	Ampie Vlok	Private	No	UPINGTON
Mr	Simphiwe Makhatini	Department of Public Enterprises	No	Hatfield
Mr	W van Eck	Private	No	GROBLERSHOOP
Mr	Hannes Combrinck	ZF Mcgawu District Municipality	No	UPINGTON
Mr	Henning Myburgh	Agri Northern Cape	No	KIMBERLEY
Mr	Johannes Nowalaza	Department of Education	No	KIMBERLEY
Ms	Dineo Moleko	Department of Environmental Affairs (DEA)	No	KIMBERLEY
Mr	Coenrad Agenbach	Department of Environmental Affairs (DEA)	No	PRETORIA
Mr	Dirk Malan	Kalahari Water	No	KEIMMOES
Mr	Dirk Nortje	DJN Boerdery Pty Ltd	No	GROBLERSHOOP
Ms	Anga Yaphi	Department of Environment and Nature Conservation	No	Upington
Mr	Maloeiemang Manong	South African Heritage Resource Agency (SAHRA)	No	KIMBERLEY
Mrs	Susan Van der Merwe	Farmer	No	
Mr	Jan J van Zyl	Lutz & Van Zyl Land Surveyors	No	UPINGTON
Mr	A Abrahams	National Department of Water Affairs (DWA)	No	KIMBERLEY
Mr	G Cloete	ZF Mgcawu District Municipality	No	UPINGTON
Mr	Hannes de Witt	Agrimark Groblershoop	No	
Ms	Ruth Palm	Department of Roads and Public Works	No	KIMBERLEY



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Francois Slabber	Crescendo Trust	No	
Mr	Pieter Struwig	Eskom	No	GROBLERSHOOP
Mr	Hoffie Joubert	Oranje Cooperative Limited	No	UPINGTON
Mr	Jannie Kuhn	Private	No	GROBLERSHOOP
Mr	Mike Nlengana	African Farmers Association of South Africa (AFASA)	No	
Mr	Lusani Rathanya	ACWA Power Africa Holdings	No	SANDTON
Mr	Tiny Chotelo	Northern Cape Provincial Government	No	KIMBERLEY
Mr	Jeremy du Plessis	Khara Hais Local Municipality	No	UPINGTON
Mr	Gilbert Nortier	Transnet Freight Rail	No	
Ms	Simphiwe Masilela	ATNS	No	Bruma
Ms	Christa Mouton	South African National Roads Agency Limited	No	UPINGTON
Mr	Martin Compion	Tripple T Consulting Of South Africa Pty Ltd	No	
Mr	Willem Petrus Strauss	Game Farm	No	Groblershoop
Mr	H Koopman	Groblershoop Community Health Centre	No	GROBLERSHOOP
Mr	Jannie van Zyl	Jakkalsdans Farm	No	GROBLERSHOOP
Ms	Norma Sali	Department of Trade and Industry (DTI)	No	PRETORIA
Mr	Frikkie Ruppung	ZF McGawu District Municipality	No	UPINGTON
Mrs	Poppie Howell	Private	No	GROBLERSHOOP
Mr	Lucias Moolman	General Manager: Northern Cape Parks	No	UPINGTON
Ms	Omkarabetfe Mothelefi	Northern Cape Department of Arts and Culture	No	KIMBERLEY



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Muhammed Essop	Department of Environmental Affairs	No	PRETORIA
Mr	Elias Ntoba	ZF Mgcawu District Municipality	No	UPINGTON
Mr	Melvyn Smith	Department of Sport, Arts and Culture	No	KIMBERLEY
Ms	Nongo Dibede	Airports Company of South Africa - Upington Airport	No	UPINGTON
Ms	Suzanne Erasmus	Wildlife and Environment Society of South Africa	No	KIMBERLEY
Ms	Cynthia Ferrys	Department of Education	No	Paballelo
Mr	Fanie Marais	Boegoeberg Water Use Association	No	GROBLERSHOOP
Mr	Gift van Staden	ZF Mgcawu District Municipality	No	UPINGTON
Mr	Alfred Tieties	ZF Mgcawu District Municipality	No	UPINGTON
Mr	Hennie Marais	Air Traffic and Navigation Services (ATNS)	No	KEMPTON PARK
Mr	J Esterhuysen	JH Esterhuysen Familie Trust	No	LAMBRECHTSDRIF
Mr	Emmanuel Thebe	Department of Water and Sanitation Area Office	No	UPINGTON
Ms	Adila Marengo	Eskom - Renewable Energy Independent Power	No	
Mr	Gary Gerber	Farmer	No	
Mr	P M Kotze	ZF Mgcawu Local Municipality	No	UPINGTON
Ms	Sarina Jansen	!Kheis Local Municipality	No	GROBLERSHOOP
Mr	Julian WilliaMs	Department of Social Development	No	
Mr	Lazarus Mahlangu	National Department of Energy	No	PRETORIA
Mr	Zelna Mjila	ZF Mgcawu District Municipality	No	UPINGTON
Mr	Nico Fourie	Department Roads and Public Works	No	KIMBERLEY



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Jacques Slabber	Crescendo Trust	No	
Mr	Hendrik Louw	Northern Cape Department of Development and Tourism	No	KIMBERLEY
Mr	Willem Fourie	Orange River Farmers Association	No	UPINGTON
Ms	Senisha Murugan	Department of Environmental Affairs	No	PRETORIA
Mr	Johannes Nicolaas van Jaarsveldt	Farmer	No	
Mr	O T Gaorelwe	Department Environment and Nature Conservation	No	KIMBERLEY
Mr	Albert Nicolaas van Niekerk	Klipkoppies Farm	No	UPINGTON
Ms	Lizelle Beukes	Oranje Vaal Water Use Association	No	DOUGLAS
Ms	Marina Lourens	Transnet Freight Rail	No	
Mr	Maduna Ngobeni	National Department of Energy	No	PRETORIA
Ms	Matilda Mathupi	!Kheis Local Municipality	No	GROBLERSHOOP
Mr	Abraham Morkel	Louwvale-Weg Opkomende Boere Vereniging	No	UPINGTON
Mr	Sean Cloete	Department of Water and Sanitation (DWS)	No	
Mr	Jan Daniel Reitz	Farmer	No	JOHANNESBURG
Mr	Shaun Johnson	Sustainable Futures ZA	No	Rondebosch
Ms	Vania Mohotas	National Department of Energy	No	PRETORIA
Mr	Hendrik Maritz	Glen Lyon Farms	No	Grobblershoop
Mr	Steven Shibambu	Department of Water and Sanitation	No	UPINGTON
Mr	J P Stander	Airports Company of South Africa	No	UPINGTON
Mr	Mehmood Ahmed	Industrial Development Corporation (IDC) - Northern Cape	No	KIMBERLEY



## REGISTERED I & APS

Title	Name	Organisation	Adjacent Landowner	City
Mr	Jason Schaffer	Nano Energy	No	
Mr	Johan van Rensburg	Agri SA	No	KIMBERLEY
Cllr	Elizabeth Cloete	Khara Hais Local Municipality	No	GROBLERSHOOP
Mr	Theunis Strauss	Farmer	No	
Mr	Naas Breytenbach	Sentech Limited	No	UPINGTON
Mrs	Marie Schlechter	Golder Associates	No	Midrand
Ms	Rene de Kock	South African National Roads Agency (SANRAL)	No	BELLVILLE
Mr	Herman Craywagen	Orange River Wine Cellars	No	UPINGTON
Mr	Itumeleng Bulani	Northern Cape Department Roads & Public Works	No	KIMBERLEY
Mr	Charl April	Khara Hais Local Municipality	No	UPINGTON
Mr	Raymond Brown	Farmer	No	GROBLERSHOOP
Mr	Stephan van Zyl	Farmer	No	GROBLERSHOOP
Mr	Peter Kotze	Boegoeberg Water Users Association	No	GROBLERSHOOP
Mrs	Alet Pienaar	Department of Social Development	No	
Dr	D de Waal	Golder	No	Midrand
Mr	Zola Ndimande	Solarzone (Pty) Ltd	No	STRAND
Mr	Mervin October	Department of Social Services and Population Development	No	UPINGTON
Mr	Herman Alberts	Department of Environmental Affairs	No	PRETORIA
Mr	Thomas Basson	Khara Hais Local Municipality	No	UPINGTON
Mr	Pieter Snyman	SKA South Africa Northern Cape		Carnarvon

## Newspaper Advertisements (January 2015)



# DHS personeel verdubbel

**GEMSBOK-UPINGTON:** Die uitvoerende hoof van die hospitaal, **MeDina Beukes**, is baie opgewonde oor die 2015 verwikkelinge by **Dr Harry Surtie Hospitaal**.

Hoewel daar steeds 'n tekort aan sekere spesialiste is, wat beteken dat van hul pasiënte nog na die Kimberley Hospitaal verwys word, groei die personeel van die hospitaal teen 'n positiewe tempo.



*Die Dr Harry Surtie Hospitaal spog vanjaar met 'n baie uitgebreide mediese personeel. Onder die gemeenskapsdiens werkers is daar agt dokters. Hulle is Esther Gunter, Mogamad Badeè Esau, Tabassum Osman, Mikhail Botha, Mark Moodley, Paing Myint, Amanda Naidoo, Kirsten Paecy en Andrea Budge (afwesig).*

Me Beukes sê die ideaal is dat daar in elke eenheid ten minste twee spesialiste moet wees, maar in dié stadium kan hulle egter net in Verloskunde/Ginekologie en Pediatrie aan dié vereiste van 'n streekhospitaal voldoen.

Die hospitaal spog tans met agt spesialiste. Familie-medisyne, Chirurgie en Narkose het elkeen een spesialis.

Me Beukes is vasbeslote dat hierdie struikelblok ook eersdaags oorkom sal kan word.

Die hospitaal spog ook met heelwat gemeenskapsdiens werkers (14). Gemeenskapsdiensterapeute vir 2015 is twee arbeidsterapeute, twee fisioterapeute, 'n spraak en taal terapeut, twee oudioloë, twee radio-grafiste en agt gemeenskapsdiens dokters.

Dit wil sê daar is nou heelwat voltydse dokters, 'n voltydse staat pataloog, 'n sessie pataloog, 'n sessie dokter en verskeie locums, waarvan een orthopedies is.

“Ons totale personeel het tot op hede reeds verdubbel. Ons bedtotaal tans is 216 (Gordonia was 180) maar die hospitaal maak voorsiening vir 327 beddens. Na die middel van die jaar sal ons 21 gemeenskapsdiens dokters hê wat beteken ons kan die gebruik van Locum dokters drasties verminder”, sê Me Beukes.



*Dr Magdaleen Blaauw, 'n gebore Upingtonner het in Bloemfontein studeer en het haar gemeenskapsdiensjaar by die destydse Gordonia Hospitaal se ongevalle afdeling gedoen. Daarna het sy haar as pediater gaan kwalifiseer en sluit nou by die pediatrie afdeling van die Dr Harry Surtie Hospitaal aan.*



*Op die foto verskyn kst Robert Beil, Kst Daniella Modisaotsile, kst Llwelyn Swartz en adjutant offisier Christoffel Visagie met die dwelms waarop daar beslag gelê is. Die stasiebevelvoerder van Upington SAPD, Kolonel Sampie Koopman, loof die lede vir die puik arrestasies.*

**GEMSBOK-UPINGTON:** Lede van die Misdaadvoorkomings Eenheid van Upington SAPD, het die afgelope week beslag gelê op groot hoeveelheid dwelms.

'n Klagte van handel in dwelms word teen vier verdagtes ondersoek nadat daar ongeveer 58.9 kg dagga in 'n woning in Raaswater gevind is. Die beraamde straatwaarde van die dagga is R294 700.

Die dagga was in plastieksakke verpak.

Die verdagtes 27; 29; 33 en 82 jr, het in die Upington Landdroshof verskyn op aanklag van handel in dagga.

'n Verdagte (20jr) is gearrester nadat hy in Kortstraat, Upington, in besit betrap is met 26 Mandrax tablette. Die Mandrax tablette met 'n beraamde straatwaarde van ongeveer R 2 625 is in die verdagte se besit gevind nadat hy deursoek is.

# Dwelms van ± R350 000 op Upington gekry

## Prof Adams the Great kan help!

Ek is Sophia. Ek het vir 40 jaar in armoede gelewe. Ek het baie tradisionele kruiedokters besoek, sonder dat hulle my kon help. Ek het ook baie geld gespandeer, sonder enige sukses en later hoop verloor! totdat ek Prof Adams ontmoet het. Hy het my lewe verander. Ek het vir my 'n nuwe huis gekoop, is gelukkig getroud met 4 kinders. Indien enige persoon 'n probleem het, skakel hom gerus by **073 719 3837** of besoek hom in Upington - hy kan help! Baie dankie aan "Prof Adams The Great"

## OMGEWINGSINVLOEDBEPALING EN OMGEWINGSBESTUURPLAN VIR DIE VOORGESTELDE BOKPOORT II SONKRAG ONTWIKKELING OP DIE OORBLYWENDE GEDEELTE VAN DIE PLAAS BOKPOORT 390 NABY GROBLERSHOOP, !KHEIS PLAASLIKE MUNISIPALITEIT, NOORD KAAP

### KONSEP BESTEKOPNAMEVERSLAG IS BESIKBAAR VIR KOMMENTAAR

**Uitnodiging om as 'n belanghebbende te registreer en 'n inligtingsvergadering by te woon**

**DOS Verwysing nommers:**

Pv1 14/12/16/3/3/2/802  
PV2 14/12/16/3/3/2/803  
PV3 14/12/16/3/3/2/804  
PV4 14/12/16/3/3/2/805

CSP Trough 1 / Tower 1 14/12/16/3/3/2/800  
CSP Trough 2 / Tower 2 14/12/16/3/3/2/801

ACWA Power Africa Holdings (Edms) Bpk beplan om 'n sonkragaanleg (Bokpoort II) op die noord-oostelike gedeelte van die oorblywende deel van die plaas Bokpoort 390, 20km noord-wes van Groblershoop, in die !Kheis plaaslike munisipale gebied, ZF Mgcawu Munisipale Distrik, Noord-Kaap Provinsie, te ontwikkel. Die ontwikkeling sal aansluit by die 75 MW CSP parabooliese trogotontwikkeling op die suid-westelike gedeelte van die plaas Bokpoort 390.

ACWA oorweeg tans twee verskillende tegnologiese prosesse vir die opwekking van sonkrag op die terrein. Slegs een proses, of 'n samestelling van die twee, sal uiteindelik opgerig word.

Die totale kragopwekkingspotensiaal van die Bokpoort II sonkragaanleg sal 500 MW wees. Soos bepaal deur die Nasionale Omgewingsbestuurswet (Wet 107 of 1998) (NEMA), is Golder Associates Africa (Edms) Beperk (Golder) deur ACWA as die Omgewingsbepalingspraktisyn aangestel om die magtigingsproses vir die voorgestelde ontwikkeling te hanteer.

**UITNODIGING OM KOMMENTAAR TE LEWER**

Belanghebbendes word uitgenooi om te registreer en aan die OIB proses deel te neem deur:

- kommentaar te lewer op die konsep Bestekopnameverslag
- kwessies te identifiseer en voorstelle vir verbeterde voordele te lewer.

Die Konsep Bestekopnameverslag sal beskikbaar wees vir openbare besigtiging en kommentaar vanaf **Woensdag, 28 Januarie 2015 tot Vrydag, 27 Februarie 2015**. Die verslag sal beskikbaar wees by die volgende openbare plekke asook op die webtuiste: [www.golder.com/public](http://www.golder.com/public)

Naam van openbare plek	Kontak-persoon	Adres	Kontak-nummer
!Kheis Plaaslike Munisipaliteit Kliniek	Aletta Strauss	212 Maritz Straat, Groblershoop	054 833 0231
!Kheis Openbare Biblioteek	Matilda Mathupi	97 Orange Straat, Groblershoop	054 833 9500
Golder Associates Africa	Sasha Slogrove-Saayman	Building 1, Golder House, Maxwell Office Park, Midrand	011 254 4966

**UITNODIGING NA 'N OPENBARE INLIGTINGSVERGADERING**

Belanghebbendes word uitgenooi om 'n inligtingvergadering by te woon, op:

**Datum: Woensdag, 18 Februarie 2015**  
**Tyd: 12:00 vm tot 6:00 nm**  
**Plek: Orange Rivier Wynkelders, Groblershoop**

Om te registreer as 'n belanghebbende en meer inligting te bekom, kontak asseblief:

**Sasha Slogrove-Saayman / Tony Seef**  
**Kantoor vir Openbare Deelname:**  
**Golder Associates Africa (Edms) Bpk.**  
**Posbus 6001, Halfway House, 1685**  
**Tel: (011) 254 4966 / (011) 313 1158; Fax: 086 582 1561**  
**Email: [ssaayman@golder.co.za](mailto:ssaayman@golder.co.za) / [tseef@golder.co.za](mailto:tseef@golder.co.za)**

## ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE

### DRAFT SCOPING REPORT AVAILABLE FOR COMMENT

**INVITATION TO REGISTER AS AN I&AP AND TO ATTEND AN OPEN HOUSE**

**DEA Reference numbers:**

PV 1 14/12/16/3/3/2/802  
PV2 14/12/16/3/3/2/803  
PV3 14/12/16/3/3/2/804  
PV4 14/12/16/3/3/2/805

CSP Trough 1 / Tower 1 14/12/16/3/3/2/800  
CSP Trough 2 / Tower 2 14/12/16/3/3/2/801

ACWA Power Africa Holdings (Pty) Ltd (ACWA) proposes to establish a solar facility (Bokpoort II) on the north-eastern portion of the remaining extent (RE) of the farm Bokpoort 390, located 20 km northwest of the Groblershoop town within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province.

The following projects are being proposed:

- 4 x 75 MW Photovoltaic (PV) facilities
- 2 x 100 MW CSP Parabolic Tower/ Trough facilities

The combined power generation capacity of the entire Bokpoort II solar development will be 500 MW (PV: 300MW and CSP Trough or Tower: 200 MW).

In 2011, The Department of Environmental Affairs (DEA) issued an authorisation for 75 MW CSP parabolic trough development on the southern western portion of the Remaining Extent (RE) of the Farm Bokpoort 390 and construction commenced in July 2013. The proposed Bokpoort II is located in an area that was assessed during the EIA process for the Bokpoort I. The Bokpoort I EIA's sensitivity zoning map, indicates that the project footprint for the Bokpoort II solar development is in an environmentally preferred and acceptable developable area.

Golder Associates Africa (Pty) Ltd (Golder) has been appointed by ACWA as the Environmental Assessment Practitioner (EAP) to undertake the Environmental Impact Assessment process for the proposed development, as determined by the National Environmental Management Act (Act 107 of 1998) (NEMA)

**PUBLIC COMMENT INVITED**

Stakeholders are invited to register as Interested and Affected Parties (I&APs) and to participate in the EIA process by:

- Giving comments regarding the Draft Scoping Report;
- Identifying issues of concern and suggestions for enhanced benefits.

The Draft Scoping Report will be available for public review and comment from **Wednesday, 28 January 2015 to Friday, 27 February 2015**. The report will be available at the public places listed below and also on the following website: [www.golder.com/public](http://www.golder.com/public).

Name of Public Place	Contact Person	Address	Contact Number
!Kheis Local Municipal Clinic	Aletta Strauss	212 Maritz Street, Groblershoop	054 833 0231
!Kheis Public Library	Matilda Mathupi	97 Orange Street, Groblershoop	054 833 9500
Golder Associates Africa	Sasha Slogrove-Saayman	Building 1, Golder House, Maxwell Office Park, Midrand	011 254 4966

**INVITATION TO OPEN HOUSE**

Stakeholders are also invited attend an Open House that will be held on:

**Date: Wednesday, 18 February 2015**  
**Time: 12:00 pm until 6:00 pm**  
**Venue: Orange River Wine Cellars, Groblershoop**

To register as an I&AP and/or obtain more information please contact:

**Sasha Slogrove-Saayman / Tony Seef**  
**Public Participation Office:**  
**Golder Associates Africa (Pty) Ltd.**  
**PO Box 6001, Halfway House, 1685**  
**Tel: (011) 254 4966 / (011) 313 1158; Fax: 086 582 1561**  
**E-mail: [ssaayman@golder.co.za](mailto:ssaayman@golder.co.za) / [tseef@golder.co.za](mailto:tseef@golder.co.za)**

## Newspaper Advertisements (May 2016)

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED  
BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE  
FARM BOKPOORT 390 NEAR GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY,  
NORTHERN CAPE**

**DRAFT EIA REPORTS AVAILABLE FOR PUBLIC COMMENT**

**Invitation to register as an Interested and Affected Part (I&AP) and to attend a public meeting**

**DEA Reference numbers:**

150 MW Concentrated Solar Power tower	14/12/16/3/3/2/879
75 MW Photovoltaic Solar Development (PV1)	14/12/16/3/3/2/881
75 MW Photovoltaic Solar Development (PV2)	14/12/16/3/3/2/880

ACWA Power Africa Holdings (Pty) Ltd (ACWA Power) proposes to establish a solar facility (Bokpoort II) on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km northwest of Groblershoop town within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province. The total Bokpoort II project area designated for the proposed development is approximately 1 500 ha.

The project development includes three applications, as follows:

- 1 x 150 MW Concentrated Solar Power (CSP) tower, and
- 2 x 75 MW Photovoltaic (PV) solar installations (as separate applications).

The Bokpoort II project will include different types of solar power technologies and associated infrastructure clearly described in the Draft Environmental Impact Assessment (EIA) Reports that are available for public review and comment as follows:

- Draft Scoping Report: Proposed 150 MW CSP Tower Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape;
- Draft EIA Report: Proposed 75 MW Photovoltaic (PV1) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape; and
- Draft EIA Report: Proposed 75 MW Photovoltaic (PV2) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape.

**PUBLIC COMMENT INVITED**

Stakeholders are invited to register as I&APs and to participate in the EIA process by commenting on the findings of the environmental specialist studies and proposed mitigation measures presented in the Draft EIA Reports; as well as the environmental management plans.

The Draft EIA Reports will be available for comment for a period of 30 days from **Friday 27 May 2016 to Monday 27 June 2016**. The report will be available at the public places listed below and also on the following website: [www.golder.com/public](http://www.golder.com/public).

Public Place	Locality	Contact Person	Telephone
!Kheis Local Municipal Clinic	Groblershoop	Aletta Strauss	054 833 0231
!Kheis Public Library	Groblershoop	Matilda Mathupi	054 833 9500
Orange River Cellars*	Between Groblershoop and Upington	Petra Smit	054 833 0108
Golder Associates Africa	Midrand	Marié Schlechter	011 254 4800

\* Copies of the report will be available on CD for collection.

**INVITATION TO A PUBLIC MEETING**

Stakeholders are cordially invited to attend a public meeting that will be held on:

**Date: Tuesday, 14 June 2016**

**Time: 10:00am until 12:00 pm**

**Venue: Orange River Wine Cellars, Groblershoop**

I&APs can register and/or comment online via the Golder website: [www.golder.com/public](http://www.golder.com/public). For more information please contact:

**Marié Schlechter / Antoinette Pietersen**

**Public Participation Office:**

**Golder Associates Africa (Pty) Ltd.**

**PO Box 6001, Halfway House, 1685**

**Tel: (011) 254 4800 / Fax: 086 582 1561**

**E-mail: [PPoffice@golder.co.za](mailto:PPoffice@golder.co.za)**

**Date of advert : May 2016**

**OMGEWINGSIMPAKBEPALING VAN DIE VOORGESTELDE BOKPOORT II SONKRAG  
ONTWIKKELING OP DIE RESTANT VAN DIE PLAAS BOKPOORT 390 NABY  
GROBLERSHOOP, !KHEIS PLAASLIKE MUNISIPALITEIT, NOORD KAAP  
KONSEP OMGEWINGSIMPAKBEPALINGSVERSLAE IS BESIKBAAR VIR  
OPENBARE KOMMENTAAR**

**Uitnodiging om as 'n geïnteresseerde en belanghebbende te registreer en 'n openbare vergadering by te woon**

**DOS Verwysingnommers:**

150 MW Gekonsentreerde Sonkragtoring	14/12/16/3/3/2/879
75 MW Fotovoltaïese Sonkraginstallasie (FV1)	14/12/16/3/3/2/881
75 MW Fotovoltaïese Sonkraginstallasie (FV2)	14/12/16/3/3/2/880

ACWA Power Africa Holdings (Edms) Bpk beplan om 'n sonkragaanleg (Bokpoort II) op die noord-oostelike gedeelte van die restant van die plaas Bokpoort 390, 20km noord-wes van Groblershoop, in die !Kheis plaaslike munisipale gebied, ZF Mgcau Munisipale Distrik, Noord-Kaap Provinsie, te ontwikkel. Die totale Bokpoort II projekarea wat vir die voorgestelde ontwikkeling beoog word, beslaan ongeveer 1 500 hektaar.

Die ontwikkeling behels drie aansoeke, soos volg:

- 1 x 150 MW Gekonsentreerde Sonkragtoring, en
- 2 x 75 MW Fotovoltaïese (FV) Sonkraginstallasies (as aparte aansoeke).

Die Bokpoort II projek sal verskillende soorte sonkrag tegnologieë en geassosieerde infrastruktuur aanwend wat duidelik beskryf word in die Konsep Omgewingsimpakbeoordelingsverslae (OIB) wat beskikbaar is vir openbare hersiening en kommentaar:

- Konsep OIB Verslag: Voorgestelde 150 MW Gekonsentreerde Sonkragtoringontwikkeling op die restant van die plaas Bokpoort 390, Noord Kaap;
- Konsep OIB Verslag: Voorgestelde 75 MW Fotovoltaïese (FV1) Sonkraginstallasie op die restant van die plaas Bokpoort 390, Noord Kaap; en
- Konsep OIB Verslag: Voorgestelde 75 MW Fotovoltaïese (FV2) Sonkraginstallasie op die restant van die plaas Bokpoort 390, Noord Kaap.

**OPENBARE UITNODIGING OM KOMMENTAAR TE LEWER**

Belanghebbendes word uitgenooi om as geïnteresseerde en belanghebbendes te registreer en om aan die OIB proses deel te neem deur kommentaar te lewer op die bevindinge van die omgewingsspesialisstudies, die voorgestelde versagtingsmaatreëls en die omgewingsbestuursplanne wat deur die Konsep OIB verslae uiteengesit word.

Die Konsep OIB verslae sal beskikbaar wees vir 'n kommentaarperiode van 30 dae, vanaf **Vrydag 27 Mei 2016 tot en met Maandag 27 Junie 2016**. Die verslae sal beskikbaar wees by die openbare plekke soos hieronder gelys asook op die volgende webwerf: [www.golder.com/public](http://www.golder.com/public).

Openbare Plek	Ligging	Kontakpersoon	Telefoon
!Kheis Plaaslike Munisipale Kliniek	Groblershoop	Aletta Strauss	054 833 0231
!Kheis Openbare Biblioteek	Groblershoop	Matilda Mathupi	054 833 9500
Oranjerivier Kelders*	Tussen Groblershoop en Uptington	Petra Smit	054 833 0108
Golder Associates Africa	Midrand	Marié Schlechter	011 254 4800

\* Kopieë van die verslae sal op CDs beskikbaar wees wat deur die publiek afgehaal kan word.

**UITNODIGING NA 'N OPENBARE VERGADERING**

Belanghebbendes word vriendelik uitgenooi om 'n openbare vergadering by te woon, op:

**Datum: Dinsdag, 14 June 2016**

**Tyd: 10:00 vm tot 12:00 nm**

**Plek: Oranjerivier Wynkelders, Groblershoop**

Geïnteresseerde en belanghebbende partye kan registreer en/of kommentaar lewer dmv die Golder webwerf: [www.golder.com/public](http://www.golder.com/public). Vir meer inligting, kontak asseblief:

**Marié Schlechter / Antoinette Pietersen**

**Openbare Deelname Kantoor:**

**Golder Associates Africa (Pty) Ltd.**

**Bus 6001, Halfweg Huis, 1685**

**Tel: (011) 254 4800 / Faks: 086 582 1561**

**E-pos: [PPoffice@golder.co.za](mailto:PPoffice@golder.co.za)**

**Datum van advertensie : Mei 2016**

## **Background Information Letter (28 January 2015)**

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED BOKPOORT II SOLAR  
POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR  
GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE**

***DEA Reference numbers:***

PV1	14/12/16/3/3/2/802	PV4	14/12/16/3/3/2/805
PV2	14/12/16/3/3/2/803	CSP Trough 1 / Tower 1	14/12/16/3/3/2/800
PV3	14/12/16/3/3/2/804	CSP Trough 2 / Tower 2	14/12/16/3/3/2/801

- **Availability of Draft Scoping Reports (DSR) for comment**
- **Invitation to an Open House**

Dear Stakeholder,

## **1.0 INTRODUCTION AND BACKGROUND**

ACWA Power Africa Holdings (Pty) Ltd (ACWA) proposes to establish a solar development (Bokpoort II) on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, 20 km northwest of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province.

In 2011, the Department of Environmental Affairs (DEA) issued an authorisation for the development of a 75 MW CSP parabolic trough development on the south western portion of the RE of the Farm Bokpoort 390 and construction commenced in July 2013. The proposed Bokpoort II development is located in an area that was assessed during the Environment Impact Assessment (EIA) process for the Bokpoort I development. The Bokpoort I EIA's sensitivity zoning map indicates that the project footprint for the Bokpoort II solar development is in an environmentally preferred and acceptable development area.

ACWA has indicated that the development will be funded both locally and internationally and hence the EIA would need to comply with the International Finance Corporation (IFC) Performance Standards (2012) as well as the Equator Principles. The solar development will feed power into the national Eskom grid.

The applicant is an Independent Power Producer (IPP) who intends to bid in the Department of Energy's (DoE) Renewable Energy Independent Power Producer Procurement Programme (REIPPP), and hence has divided the environmental authorisations for the proposed development into six (6) separate applications (see reference numbers above) according to the Department of Energy's (DoE's) MW unit requirements.

Golder Associates Africa (Pty) Ltd (Golder) has been appointed by ACWA as the independent Environmental Assessment Practitioner (EAP) to conduct the Environmental Impact Assessment process for the proposed development.

## **2.0 LOCATION OF THE PROPOSED PROJECTS**

The proposed project area is located on the north-eastern portion of the RE of the Farm Bokpoort 390, 20 km northwest of the town of Groblershoop within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province (**see attached map**). It is assumed that a 20km water pipeline will follow the existing water pipeline servitude being used for the Bokpoort I development, which extends across the farms Sand Draai portions 0 and 5.

## **3.0 PROJECT DESCRIPTION**

ACWA is proposing to bid for two different solar technologies on the site, with the second technology comprising two alternatives. Only one approved solar technology type, or a combination of the two, will be built. The applicant is proposing to bid for four 75 Mega Watt (MW) Photovoltaic (PV) solar power plant technology applications, and either two 100 MW Concentrated Solar Power (CSP) parabolic troughs or two 100 MW CSP towers. This is further outlined below:





- Four (4): 75 MW solar energy facility PV facilities, and
- Two (2): 100 MW CSP Developments either CSP Parabolic Trough or CSP Tower.

The combined power generation capacity of the entire Bokpoort II solar development will be 500 MW (PV: 300 MW and CSP Trough or Tower: 200 MW).

***More detail on the proposed technologies and associated infrastructure can be found in the Draft Scoping Report (DSR).***



*Figure 1: Example of a Photo Voltaic Solar Power Facility.*



*Figure 2: Example of a Concentrated Solar Power Parabolic Trough Facility*



Figure 3: Example of a Concentrated Solar Power (CSP) Tower

#### 4.0 ENVIRONMENTAL AUTHORISATION PROCESS

ACWA will be undertaking several listed activities applicable to the proposed project that requires environmental authorisation via the EIA process in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998) (NEMA), as amended and the NEMA EIA Regulations GN R 982, 983, 984 and 985. The competent authority that will make the decision on whether or not to approve the undertaking of the NEMA listed activities is the National Department of Environmental Affairs (DEA).

It must also be noted that the EIA is being conducted in line with international standards, such as the Equator Principles (EP) and the requirements of the International Finance Corporation (IFC).

The following listed activities have been applied for under NEMA (*more detail on these can be found in the DSR*):

**Table 1: NEMA 2014 Listed Activities triggered**

Government Notice Regulation (GN R):	Listed Activity number
983 (Basic Assessment)	9, 11, 12, 13, 14, 19, 25, 28 and 56.
984 (EIA)	1, 5, 7, 11 and 15.
985 (EIA in specific geographical areas)	4, 12, 14 and 18.

The Environmental Impact Assessment process will follow *one* combined public participation process for the proposed Bokpoort II solar power developments. Stakeholders will receive ample opportunity to obtain information about the project, to raise issues and concerns, and to offer suggestions for enhanced project benefits. The technical specialists will evaluate relevant issues and suggestions contributed by stakeholders, during the EIA processes.

#### ***Draft Scoping Report (DSR) available for public review***

In accordance with the NEMA Regulations, as amended, the purpose of a DSR is to provide stakeholders with information about the proposed project and the opportunity to contribute issues of concern. The issues raised by stakeholders and those issues identified by the environmental technical specialists will be used to confirm and define the Terms of Reference for the specialist studies that will be conducted during the Impact Assessment Phase of the EIA.



The Draft Scoping Report will be available for public review and comment for a period of thirty (30) days from **Wednesday, 28 January 2015 to Friday, 27 February 2015**.

The reports will be available on the following website: [www.golder.com/public](http://www.golder.com/public). In addition, copies of the draft report will be available at the Open House (see below) and at the following public places:

Public place	Locality	Contact person	Telephone
!Kheis Local Municipal Clinic	Groblershoop	Aletta Strauss	054 833 0231
!Kheis Public Library	Groblershoop	Matilda Mathupi	054 833 9500
Golder Associates Africa	Midrand	Sasha Slogrove-Saayman	011 254 4966

Stakeholders may comment on the Draft Scoping Report in any of the following ways:

- By completing the reply sheet enclosed with this letter;
- By writing a letter or providing additional written submissions;
- By email, fax or telephone to the Public Participation Office; and
- By attending the Open House on **Wednesday, 18 February 2015** (see below).

### ***Invitation to an Open House***

Golder has pleasure in inviting interested and affected parties to attend an Open House as follows:

**Date:** Wednesday, 18 February 2015

**Time:** Any time between the hours of 12:00 to 18:00

**Venue:** Orange River Wine Cellars, Groblershoop

The objectives of the Open House will be to share the contents of the projects' Draft Scoping Report, for interested and affected parties (I&APs) to contribute questions and concerns, and to meet the developer and EIA Project Team members. I&APs who wish to attend the Open House are requested to complete the enclosed Registration and Comment Sheet and return it to the Public Participation Office.

## **4.1 Environmental specialist studies for the EIA and EMP**

A detailed site selection and sensitivity analysis was conducted for the Bokpoort I EIA and it was indicated that the project area for the Bokpoort II development is in a preferred and acceptable developable area. A comprehensive Environmental Management Programme (EMP) will be developed and implemented to mitigate and minimise any potential impacts during the construction and operational phases. The EIA process will investigate the impacts summarised in **Table 2**.

**Table 2: Potential Environmental Impact to be investigated in the EIA phase**

Environmental Element	Potential Environmental Impact
Air Quality	Air quality will be impacted minimally by vehicle emissions and dust on the main access road and at the project site during construction. The impact will be reduced during the operational phase. There will be combustion gases emitted by the auxiliary power generation system during operation.
Noise	Construction phase activities are likely to temporarily increase noise levels due to vehicle movements, equipment and employees. During the operational phase of the Bokpoort II solar development, the predicted noise sources will be the cooling fans at the power block, the pumps, the power generating unit, and the movement of the Heliostats of the CSP Tower that will track the sun. The cooling fans are anticipated to be the loudest noise source with noise levels ranging between 52.5 dBA at 1 000m from the plant to 32.6 dBA at 5 000m from the site.
Topography and land use	The total project footprint of the solar development will be finalised during the EIA process. The land use will change from Agriculture to Special Purpose (Solar Farm).

Environmental Element	Potential Environmental Impact
Soil and land capability	The site will be cleared of all vegetation during the construction phase and top soil will be subjected to wind erosion, possibly resulting in displacement. Equipment such as tanks, steam generator and pumps may leak and pollute the soil resource, however appropriate mitigation measures will be implemented. The transformers and vehicles may also pollute the soil through oil leakage. Panel breakages could result in foreign materials being deposited on the soil.
Surface water	The impact of the water abstraction point at the Orange River will be investigated in the EIA report. The amount of water required for the solar development is still to be determined. The impact caused by the use of surface water for the operation of the facility, is anticipated to be low. The abstraction pump will use a liquid fuel for power and could have a chance spill during operation. There may be a slight increase in siltation near the water abstraction pump. There is a chance of hydrocarbon pollution caused by vehicles during construction and by machinery leakages.
Groundwater	There are no expected groundwater impacts.
Terrestrial ecology	Plant species in the project area are sensitive due to the low rainfall and poor soils. There will be a negative impact on the vegetation due to clearance of land. The vegetation habitat will be negatively impacted causing impacts on the faunal elements of the receiving environment. Avi-fauna may be negatively impacted as a result of collisions with pylons and the reflectivity of the CSP Tower. A 3 m high fence will be constructed around the solar facility, which could obstruct the movement of some fauna species.
Aquatic ecology	The potential aquatic ecological impacts are anticipated to be low. The water pipeline will use an existing, already disturbed servitude line. The water abstraction pump will have a small localised impact on aquatic fauna due to noise and abstraction of water.
Cultural and heritage resources	A Phase 1 Heritage Assessment will be done during the EIA to further investigate Middle Stone Age flakes discovered previously on the farm Bokpoort 390. These sites may be disturbed during the construction of the proposed infrastructure. In addition, unmarked graves and/or archaeological artefacts could be unearthed during construction.
Socio-economic environment	The news of employment opportunities may result in an influx of workers to the area, thereby impacting existing community networks and perceptions of safety and crime levels. The number of jobs to be created by the development is to be determined and can be viewed as a positive impact. The electricity fed into the Eskom grid through the operation of the solar development, will have a positive impact on meeting the nation's energy demands.
Visual	A visual impact assessment is proposed, as the installation of the solar development will change the aesthetics of the project area. Construction activities, dust mobilisation and construction vehicles traversing the proposed site, as well as the presence of new infrastructure will transform the landscape. Given the relative flatness of the project site, the solar facility will be visually prominent from a considerable distance.
Tourism	The influx of workers for the construction period and personnel during the operational phase may have a low adverse impact on tourism. The solar development in itself may attract tourists once operational.

Other potential impacts could include the glint and glare from the heliostats and electromagnetic interference emanating from the CSP tower power plant that could interfere with overflying aircraft. An application will be made to the South African Civil Aviation Authority, who will assess the severity of this impact.

## 5.0 WAY FORWARD

To register as an I&AP on the proposed Bokpoort II solar development, please complete the attached Comment and Registration sheet and return it to the Public Participation Office by **Friday, 27 February 2015**, or contact Sasha Slogrove Saayman at: (011) 254 4966, fax (086) 582 1516 or email: [ssaayman@golder.co.za](mailto:ssaayman@golder.co.za) or contact Tony Seef at: (011) 313 1158, fax (086) 582 1516 or email: [tseef@golder.co.za](mailto:tseef@golder.co.za).

After the public review period on the Draft Scoping Report has closed, the report will be updated and submitted to the relevant competent authority, the Department of Environmental Affairs (DEA) for approval to proceed with the Impact Assessment Phase of each of the EIA processes.

We look forward to your further participation in the EIA process. Should you have any questions, need more information or wish to comment, please contact Sasha Slogrove Saayman or Tony Seef at the Public Participation Office at: (011) 254 4966/ (011) 313 1158, fax (086) 582 1516 or email: [ssaayman@golder.co.za](mailto:ssaayman@golder.co.za) or [tseef@golder.co.za](mailto:tseef@golder.co.za).

Yours sincerely

### GOLDER ASSOCIATES AFRICA (PTY) LTD.



Sasha Slogrove-Saayman  
Public Participation Practitioner



Margaret Mondlane  
EIA Project Manager

SSS/EDP/sss

Attachments:      Locality map, Comment and Registration sheet

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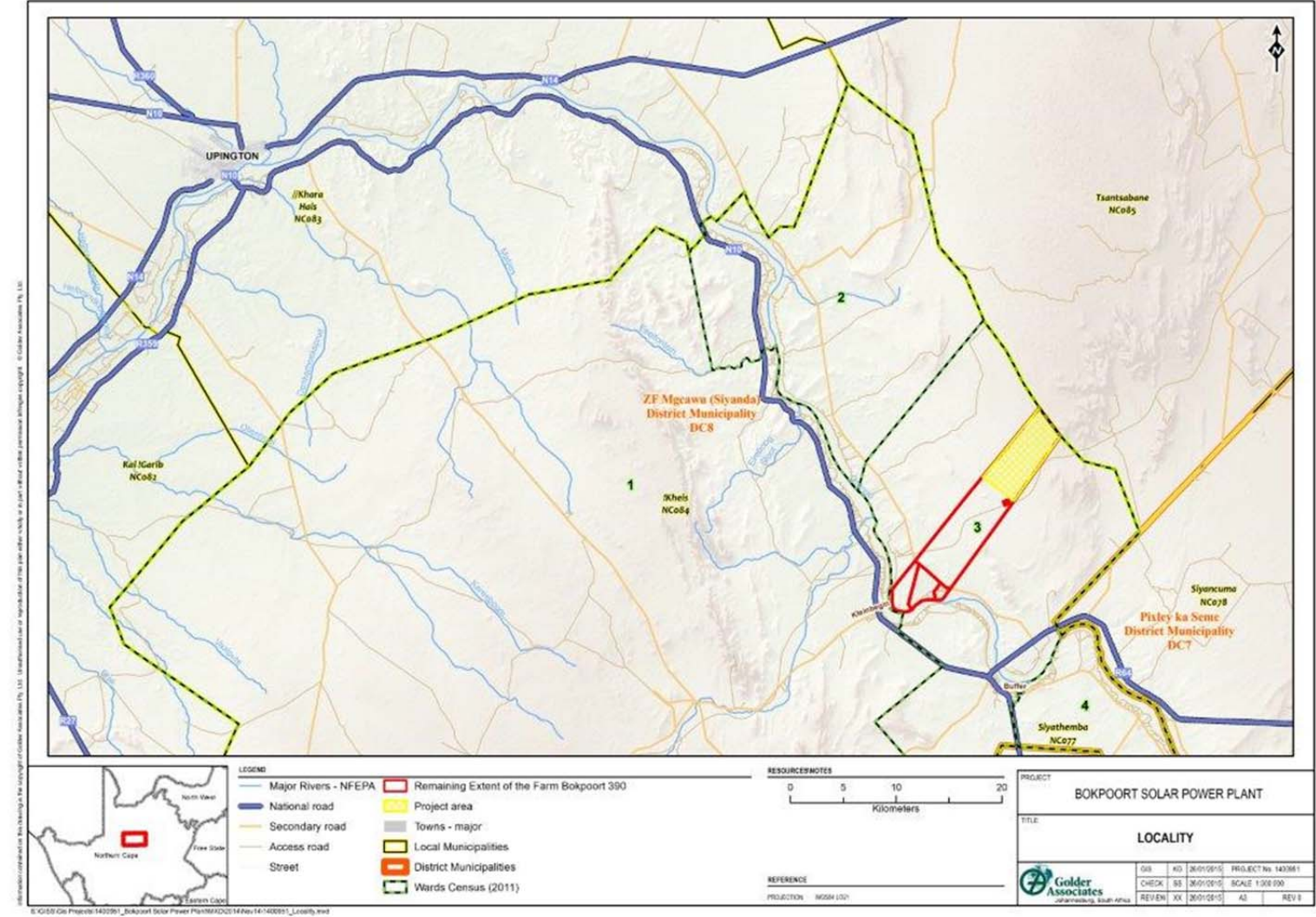


Figure 4 Locality Map for the proposed Bokpoort II solar power development

# Environmental Impact Assessment Process for the proposed Bokpoort II Solar Power Development on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop, !Kheis Local Municipality, Northern Cape



## Registration and Comment Sheet

January 2015 – February 2015

Your comments are an important contribution into this permitting process. We would like to interact directly with you and encourage you to register as a stakeholder so that we can keep you updated as this project moves forward and respond to any questions or concerns that you may wish to raise.

PERSONAL DETAILS									
Name	Surname			Title	Organisation / Department (If applicable)				
CONTACT INFORMATION									
Cell Number	Land Line Contact Number			Fax Number	Preferred Language				
	Office								
	Home								
Email address	Postal Address				Postal code				
LANDOWNERS									
If your property falls within the boundary of the proposed development area, please supply your registered farm name and erf/portion number									
WOULD YOU LIKE TO REGISTER AS AN INTERESTED AND AFFECTED PARTY?									
Please register me as an interested and affected party (I&AP) for this project so that I may receive further information and notifications as the project develops					YES	NO			
Preferred Method of Communication (Mark with an X)			Mail	E-mail	Fax				
Alternate Method of Communication (Mark with an X)			Mail	E-mail	Fax				
<b>OPEN HOUSE - 12:00 – 18:00</b>					YES	NO			
I would like to attend the Open House on Wednesday, 18 February 2015 at the Orange River Wine Cellars, Groblershoop (please circle the appropriate block)									
In terms of GNR 982 (EIA Regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:				Date					
				Signature					

**I have the following comments to make regarding this project and/or the public consultation process:**

This image shows a blank sheet of white paper designed for handwriting practice. It features ten sets of horizontal guidelines. Each set consists of three lines: two dashed outer lines and one solid black midline. The lines are evenly spaced across the entire page, providing a template for letter formation and alignment. There is no text or other markings on the paper.

NAME	CONTACT DETAILS

# THANK YOU



**OMGEWINGSINVLOEDSBEPALING VIR DIE VOORGESTELDE BOKPOORT II SONKRAG  
ONTWIKKELING OP DIE RESTANT VAN DIE PLAAS BOKPOORT 390 NABY GROBLERSHOOP,  
!KHEIS PLAASLIKE MUNISIPALITEIT, NOORDKAAP PROVINSIE**

*Departement van Omgewingsake verwysingsnommers:*

PV1	14/12/16/3/3/2/802	PV4	14/12/16/3/3/2/805
PV2	14/12/16/3/3/2/803	GS Trog 1 / Toring 1	14/12/16/3/3/2/800
PV3	14/12/16/3/3/2/804	GS Trog 2 / Toring 2	14/12/16/3/3/2/801

- **Beskikbaarheid van die Konsep Bestekopnameverslag vir kommentaar**
- **Uitnodiging na 'n Ope Huis**

Beste belanghebbende,

## 1.0 AGTERGROND

ACWA Power Africa Holdings (Edms) Bpk beplan om 'n sonkragaanleg (Bokpoort II) op die noord-oostelike gedeelte van die restant van die plaas Bokpoort 390, 20km noord-wes van Groblershoop, in die !Kheis plaaslike munisipale gebied, ZF Mgcawu Munisipale Distrik, Noord-Kaap Provinsie, te ontwikkel. Die ontwikkeling sal aansluit by die 75 MW GS paraboliese trogontwikkeling op die suid-westelike gedeelte van die plaas Bokpoort 390.

Die Departement van Omgewingsake het in 2011 magtiging verleen vir die ontwikkeling van 'n 75 MW GS paraboliese trogontwikkeling op die suid-westelike gedeelte van die restant van die plaas Bokpoort 390 en konstruksie het in Julie 2013 'n aanvang geneem. Bokpoort II se voorgestelde sonkragontwikkeling is geleë op die terrein wat reeds gedurende 2013 'n Omgewingsinvloedbepalingsproses (OIB) ondergaan het. Volgens die sensitiviteits soneringskaart in die OIB verslag van Bokpoort I, is die ligging vir die Bokpoort II sonkragontwikkeling aanvaarbaar en ideaal vir die tipe ontwikkeling.

ACWA het aangedui dat die ontwikkeling beide plaaslike en internasionale befondsing sal benodig en om die rede moet die OIB voldoen aan die vereistes van die *International Finance Corporation (IFC) Performance Standards (2012)* en ook aan die vereistes van die *Equator Principles*. Die sonkragontwikkeling sal krag lewer aan die nasionale Eskom netwerk.

Die applikant is 'n Onafhanklike Kragvoorsiener (OK) wat beoog om te tender vir die Departement van Energiesake se Hernubare Energie Onafhanklike Kragvoorsienersprogram en het derhalwe, volgens die bepaling van die Departement van Energiesake se MW eenheidsvereistes, die omgewingsmagtigings verdeel in ses (6) alleenstaande aansoeke (verw. aansoeknommers hierbo).

Golder Associates Africa (Edms) Beperk (Golder) is deur ACWA as die Omgewingsbepalingspraktisyn aangestel om die magtigingsproses vir die voorgestelde ontwikkeling te hanteer.

## 2.0 LIGGING VAN DIE VOORGESTELDE PROJEKTE

Die voorgestelde projekarea is geleë in die noord-oostelike gedeelte van die restant van die plaas Bokpoort 390, 20km noord-wes van Groblershoop in die !Kheis plaaslike munisipaliteit wat deel vorm van die ZF Mgcawu distriksmunisipaliteit, Noordkaap Provinsie (sien aangehegte kaart). Die aanname bestaan tans dat die 20 km waterpyplyn dieselfde bestaande waterpyplynserwituut, wat vir die Bokpoort I ontwikkeling gebruik word, en wat strek oor die plase Sanddraai gedeeltes 0 en 5, sal volg.



### 3.0 BESKRYWING VAN DIE PROJEK

ACWA sal twee verskillende sonkrag tegnologiese prosesse op die terrein oorweeg. Die tweede tegnologiese proses bestaan uit twee alternatiewe. Slegs een goedgekeurde sonkrag proses, of 'n samestelling van die twee, sal uiteindelik opgerig word.

Die aansoeker gaan tender vir vier 75 Mega Watt (MW) fotovoltaiëse (FV) sonkragaanleg fasiliteite en twee 100 MW Gekonsentreerde Sonkrag (GS) paraboliese fasiliteite of twee 100 MW Gekonsentreerde Sonkrag torings.

Dit is hieronder uiteengesit:

- Vier (4): 75 Mega Watt (MW) fotovoltaiëse (FV) sonkragaanleg fasiliteite, en
- Twee (2): 100 MW Gekonsentreerde Sonkrag (GS) paraboliese fasiliteite of twee 100 MW Gekonsentreerde Sonkrag torings.

Die totale kragopwekkingspotensiaal van die Bokpoort II sonkragaanleg sal 500 MW wees. (FV: 300 MW en GS paraboliese fasiliteite of GS Toring: 200 MW).

***Meer inligting aangaande die voorgestelde tegnologieë en gepaardgaande infrastruktuur kan in die Konsep Bestekopnameverslag gevind word.***



*Figuur 1: Voorbeeld van 'n fotovoltaiëse (FV) sonkragaanleg .*



*Figuur 2: Voorbeeld van 'n Gekonsentreerde Sonkrag Paraboliese Trog fasiliteit.*





*Figuur 3: Voorbeeld van 'n Gekonsentreerde Sonkrag (GS) Toring met omliggende sonkragpanele*

#### 4.0 DIE OMGEWINGSINVLOEDSBEPALINGSPROSES

ACWA beplan om etlike gelyste aktiwiteite, wat omgewingsmagtiging vereis, van toepassing op die beoogde projek, te onderneem deur middel van die OIB proses soos bepaal deur die Nasionale Omgewingsbestuurswet (NEMA) 1998, (Wet 107 van 1998), soos aangepas, asook die Nasionale Omgewingsbestuurswetregulasies GN R 982, 983, 984 en 985. Die besluitnemingsowerheid wat 'n besluit moet neem insake die NEMA gelyste aktiwiteite is die Nasionale Department van Omgewingsake (DOS).

Soos voorheen aangedui word die OIB ook gedoen om te voldoen aan die vereistes van die *International Finance Corporation (IFC) Performance Standards (2012)* en ook aan die vereistes van die *Equator Principles*.

Daar word aansoek gedoen vir die onderstaande gelyste aktiwiteite soos bepaal deur die NEMA ('n volledige beskrywing van elke aktiwiteit is beskikbaar in die **Konsep Bestekopnameverslag**):

**Tabel 1: NEMA 2014 Gelyste Aktiwiteite**

Regeringskennigswing (GN R):	Nommer van die gelyste aktiwiteit
983 (Grondvlakondersoek)	9, 11, 12, 13, 14, 19, 25, 28 and 56.
984 (OIB)	1, 5, 7, 11 and 15.
985 (OIB in bepaalde geografiese area)	4, 12, 14 and 18.

Die Omgewingsinvloedsbepalingsproses vir die beoogde Bokpoort II sonkragontwikkeling sal 'n enkele openbare deelname proses volg. Belanghebbendes sal genoegsaam geleentheid gegee word om inligting oor die beoogde projek in te win en om kwessies en kwellinge te opper. Die tegniese spesialiste sal kwessis wat van toepassing is, evalueer gedurende die OIB proses.

#### ***Konsep Bestekopnameverslag nou beskikbaar vir openbare kommentaar***

Soos vereis deur die NEMA Regulasies, soos aangepas, is die doel van 'n Bestekopnameverslag om belanghebbendes te voorsien van genoegsame inligting oor die beoogde projek en 'n geleentheid te bied om kwessies of kwellings by te dra tot die proses. Die kwessies wat uit die proses voortvloei sal deur die omgewingskundiges gebruik word om die bestek van die studies te bepaal wat dan gedurende die Omgewingsinvloedsbepalingsfase gedoen sal word.

## UITNODIGING OM KOMMENTAAR TE LEWER

Belanghebbendes word uitgenooi om te registreer en aan die OIB proses deel te neem deur:

- kommentaar te lewer op die Konsep Bestekopnameverslag
- kwessies te identifiseer en voorstelle vir verbeterde voordele te lewer.

Die Konsep Bestekopnameverslag sal beskikbaar wees vir openbare besigtiging en kommentaar vanaf **Woensdag, 28 Januarie 2015 tot Vrydag, 27 Februarie 2015**. Die verslag sal beskikbaar wees by die volgende openbare plekke asook op die webtuiste: [www.golder.com/public](http://www.golder.com/public)

Naam van openbare plek	Kontakpersoon	Adres	Kontaknommer
IKheis Plaaslike Munisipaliteit Kliniek	Aletta Strauss	212 Maritz Straat, Groblershoop	054 833 0231
IKheis Openbare Biblioteek	Matilda Mathupi	97 Orange Street, Groblerhoop	054 833 9500
Golder Associates Africa	Sasha Slogrove-Saayman	Building 1, Golder House, Maxwell Office Park, Midrand	01 254 4966

Belanghebbendes kan op die volgende maniere kommentaar lewer:

- Deur die aangehegte Registrasie en Kommentaarblad te voltooi;
- Deur 'n brief of addisionele geskrewe kommentare in te dien:
- Per epos, faks of telefonies aan die Openbare Deelnamekantoor; en
- Deur die Ope Huis op Woensdag, 18 Februarie 2015 by te woon (sien onder).

## UITNODIGING NA 'N OPE HUIS

Belanghebbendes word uitgenooi om 'n Ope Huis by te woon, wat sal plaasvind op:

**Datum: Woensdag, 18 Februarie 2015**

**Tyd: Enige tyd tussen 12:00 en 18:00.**

**Plek: Oranje Rivier Wynkelder, Groblershoop**

Die doelstellings van die Ope Huis is om die inhoud van die Bestekopnameverslag aan belanghebbendes voor te lê sodat hulle kwessies en kwellinge kan opper en ook om 'n geleentheid te bied om die ontwikkelaar en die OIB span te ontmoet. Belanghebbendes wat die Ope Huis wil bywoon word versoek om die aangehegte Registrasie en Kommentaarblad in te vul en aan die Openbare Deelnamekantoor terug te stuur.

### 4.1 Beoogde spesialisstudies vir die Omgewingsinvloedsbepaling

'n Omvattende liggingsvoorkeur en sensitiviteitsondersoek is vir die Bokpoort I OIB gedoen en die bevinding was dat die projekgebied vir die Bokpoort II ontwikkeling by voorkeur ideaal is vir die tipe ontwikkeling. 'n Omvattende Omgewingsbestuurprogram (OBP) sal ontwikkel en in werking gestel word ten einde die potensiele invloed gedurende die konstruksie en operasionele fases te beperk. Die invloede wat gedurende die Omgewingsinvloedsbepalingproses bestudeer gaan word is hieronder opgesom. (Tabel 2).

**Tabel 2: Potensiele Omgewingsinvloede wat gedurende die OIB fase bestudeer gaan word**

Omgewingselement	Potensiële omgewingsinvloed
Lugkwaliteit	Die lugkwaliteit sal tot 'n mindere mate beïnvloed word deur motoruitlaatgasse, die stof op die toegangspad en by die projekgebied gedurende konstruksie. Dié invloed sal gedurende die operationele fase verminder. Verbrandingsgasse sal gedurende die operationele fase deur die aanvullende elektrisiteitsopwekkingssisteem vrygelaat word.
Geraas	Die geraasvlakke sal tydelik opgestoot word as gevolg van aktiwiteite gedurende die konstruksiefase, hoofsaaklik as gevolg van die toename in voertuigverkeer, die geraas van toerusting en werknemers. Gedurende die operasionele fase word

Omgewingselement	Potensiële omgewingsinvloed
	voorsien dat geraas by die verkoelers van die kragentrale, die pompe, die kragopwekkingseenheid en die beweging van die Heliostaat van die Gekonsentreerde Sonkrag toring, sal plaasvind. Daar word voorsien dat die verkoelers die meeste sal raas met geraasvlakke tussen 52.5 dBA op 1 000m vanaf die ontwikkeling tot 32.6 dBA op 5 000m.
Topografie en sonering van grond	Die oppervlakte van die sonkragontwikkelingsprojek sal gedurende die OIB proses gefinaliseer word. Die sonering van die gebied sal van Landbou na Spesiale Gebruik (Sonplaas) verander word.
Grondbesoedeling	Al die plantegroei sal gedurende konstruksie vanaf die perseel verwyder word en gevolglik sal die bo-grond aan wind-erosie blootgestel word, wat sal veroorsaak dat grond verplaas word. Toerusting soos tenks, stoom opwekkers en pompe kan dalk lek en die grond besoedel, alhoewel toepaslike vermydingsmaatreëls ingestel sal word. Die transformators en voertuie mag dalk ook die grond besoedel agv olie lekkasies. Sou van die sonpanele breek, mag vreemde chemiese stowwe ook in die grond beland.
Oppervlakwater	Die invloed van die waterpunt by die Oranje Rivier sal ook ondersoek word in die OIB verslag. Die hoeveelheid water wat vir die ontwikkeling nodig is, moet nog bepaal word. Die invloed van die operasionele projek op oppervlakwater is na verwagting laag. Die waterpomp sal 'n vloeibare brandstof gebruik en daar mag dalk 'n lekkasie plaasvind tydens gebruik. Daar mag ook 'n geringe toename in siltasie wees naby die waterpomp in die rivier. Moontlik kan oliebesoedeling ook deur voertuie en masjinerie veroorsaak word tydens konstruksie.
Grondwater	Geen invloede op grondwater word voorsien nie.
Landgebonde ekologie	Plantspesies in die area is reeds van sensitiewe aard as gevolg van die lae reënval en arm grond. Die skoonmaak van die area sal 'n negatiewe invloed hê op die plantegroei in die area. Die gebrek aan plantegroei sal op sy beurt 'n invloed hê op die dierelewe in die area. Voëls kan ook negatief geraak word deur die moontlikheid dat hulle in torings en pale kan vasvlieg as gevolg van die weerkaatsing van die GS toring. Terselfdertyd sal die 3m hoë heining rondom die perseel die beweging van sommige dierspesies verhinder.
Watergebonde ekologie	Die moontlike invloed op waterspesies word as laag beskou. Die waterpyplyn sal geleë wees in 'n bestaande waterpyplynserwituut. Die waterpomp sal 'n klein plaaslike invloed hê op vislewe as gevolg van geraas en die inneem van water.
Kulturele en erfenisstudies	'n Fase 1 kultuurhistoriese en erfenis-bepaling sal gedurende die OIB gedoen word om die Middelsteentydperk klipies wat voorheen op die plaas Bokpoort 390 gevind is, te evalueer. Hierdie areas van kultuurhistoriese belang mag dalk gedurende konstruksie versteur word. Grafte en argeologiese artefakte kan ook moontlik gedurende konstruksie uitgrawe word.
Maatskaplik-ekonomiese invloede	Die tyding dat werksgeleenthede beskikbaar is, mag tot gevolg hê dat talle werkers na die area stroom, wat 'n invloed sal hê op die bestaande gemeenskapsnetwerke en die beskouings oor veiligheid en misdaadvlakke. Daarenteen sal die elektrisiteit wat aan die Eskomnetwerk beskikbaar gestel word deur die sonkragprojek, weer 'n positiewe invloed hê op die land se kragbehoefte.
Visuele invloede	'n Visuele invloedsbepaling word voorgestel, aangesien die oprigting van die sonkrag projek die estetika van die area sal beïnvloed. Konstruksie-aktiviteite, stof en die verkeer van konstruksievoertuie, sowel as die teenwoordigheid van nuwe infrastruktuur sal die landskap laat anders lyk. Gegewe die relatiewe plat aarde in die projekgebied, sal die sonkragfasiliteit van ver af gesien kan word.

Omgewingselement	Potensiële omgewingsinvloed
Toerisme	Die instroming van werkers tydens die konstruksiefase en die permanente personeel wat die projek sal bedryf, mag 'n lae negatiewe invloed hê op toerisme in die area. Daarenteen kan die sonkragontwikkeling op sigself toeriste lok wanneer dit eers in werking is.

Ander potensiële invloede wat steurings vir laagvliegende vliegtuie kan veroorsaak, is die weerkaatsing van die heliostate asook elektromagnetiese steurings wat deur die GS toring veroorsaak word. Aansoek sal gedoen word by die Suid Afrikaanse Burgerlugvaartowerheid, wat so 'n invloed sal ondersoek.

## 5.0 VOLGENDE STAPPE

Om as 'n Belanghebbende te registreer, voltooi asseblief die aangehegte Registrasie en Kommentaarblad en stuur dit aan die Openbare Deelname kantoor teen Vrydag, 27 Februarie 2015, of kontak Sasha Slogrove-Saayman by: (011) 254 4966, faks (086) 582 1516 of e-pos: ssaayman@golder.co.za of Tony Seef by: (011) 313 1158, faks (086) 582 1516 of e-pos: tseef@golder.co.za.

Na afloop van die openbare besigtigingstydperk vir die Konsep Bestekopnameverslag, sal die verslag nagesien en opgedateer word en aan die betrokke owerheid, die Departement van Omgewingsake voorgelê word vir goedkeuring om met die Omgewingsinvloedsbepalingsfase voort te gaan.

Ons sien uit na u betrokkenheid by die OIB proses. Indien u enige vrae het, meer inligting verlang of graag kommentaar wil lewer, kontak asseblief vir Sasha Slogrove Saayman of Tony Seef by die Openbare Deelname Kantoor by: (011) 254 4966/ (011) 313 1158, faks (086) 582 1516 of e-pos: ssaayman@golder.co.za of tseef@golder.co.za.

Vriendelike groete,

**GOLDER ASSOCIATES AFRICA (PTY) LTD.**



Sasha Slogrove-Saayman  
Openbare Deelname Praktisyn



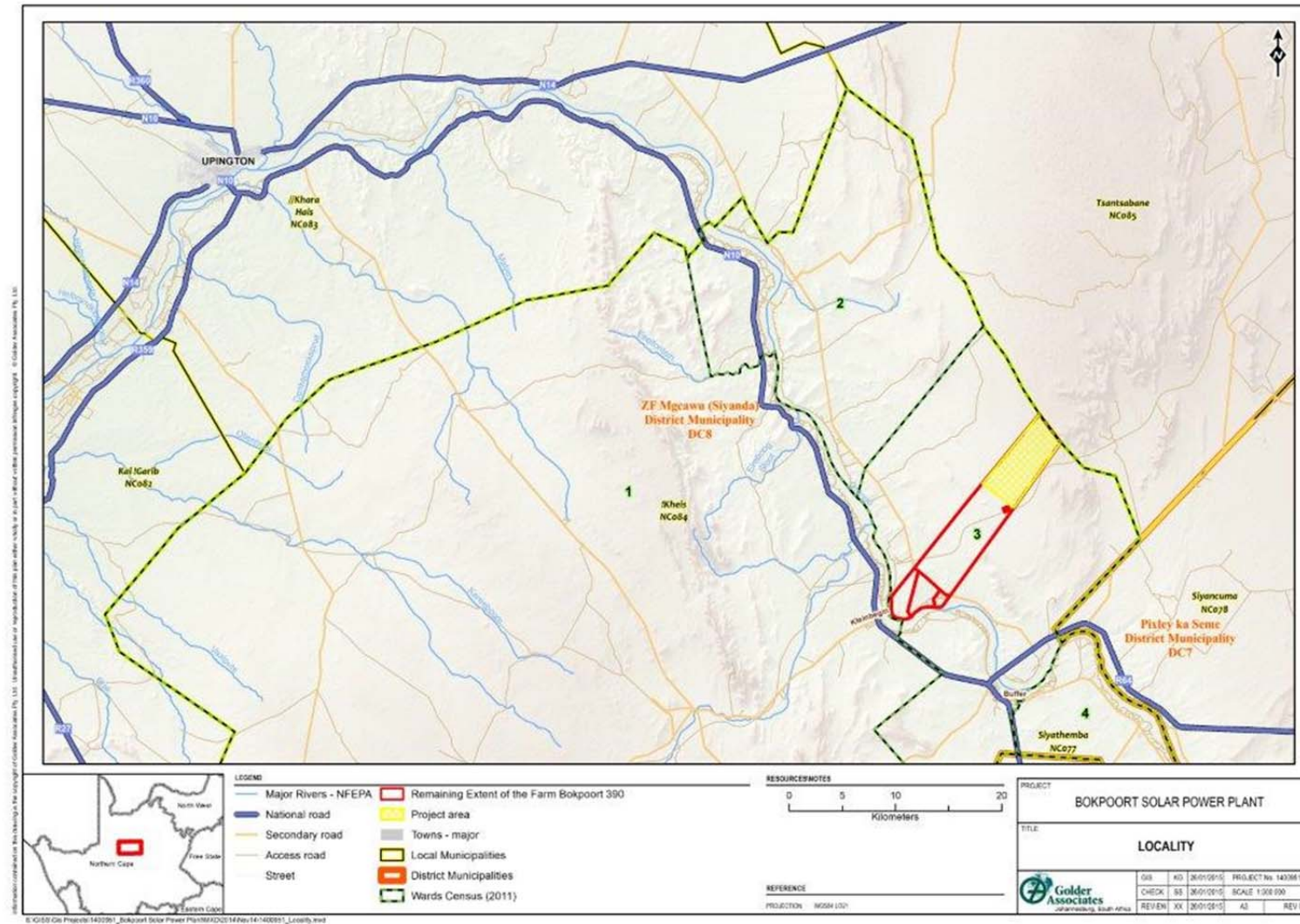
Margaret Mondlane  
OIB Projekbestuurder

SSS/EDP/sss

Aanhangsels: Liggingskaart, Registrasie en Kommentaarblad

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Figuur 4 Liggingkaart vir die voorgestelde Bokpoort II sonkragaanleg

**OMGEWINGSINVLOEDSBEPALING VIR DIE VOORGESTELDE BOKPOORT II  
SONKRAG ONTWIKKELING OP DIE RESTANT VAN DIE PLAAS BOKPOORT 390  
NABY GROBLERSHOOP, !KHEIS PLAASLIKE MUNISIPALITEIT, NOORDKAAP  
PROVINSIE**

**Registrasie en Kommentaarblad**

Januarie 2015 – Februarie 2015

U kommentaar is 'n belangrike bydrae tot die magtigingsproses. Ons wil graag met u kontak maak en u aanmoedig om as 'n Belanghebbende te registreer sodat ons u op die hoogte kan hou van die projekvordering en kan antwoord op enige vrae of kwessies wat u graag wou opper.

PERSOONLIKE BESONDERHEDE					
Naam	Van	Titel	Organisasie / Departement (Indien van toepassing)		
KONTAKBESONDERHEDE					
Selnommer	Landlyn en kontaknommer		Faksnommer	Taalvoorkeur	
	Kantoor				
	Huis				
E-posadres	Posadres			Poskode	
GRONDEIENAARS					
Indien u eiendom binne die grense van die van die voorgestelde ontwikkeling val, dui asseblief u plaas se geregistreerde naam asook die erf/gedeelte nommer.					
WIL U GRAAG AS 'N BELANGHEBBENDE REGISTREER?					
Ek wil graag as 'n belanghebbende party vir hierdie projek registreer sodat ek verdere inligting oor die projek kan ontvang.				JA	NEE
Kommunikasievoorkeur (Dui met X aan)	Pos	E-pos	Faks		
Alternatiewe manier van kommunikasie (Dui met X aan)	Pos	E-pos	Faks		
<b>OPE HUIS VERGADERING - 12:00 – 18:00</b>					
Ek wil graag die Ope Huis vergadering op Woensdag, 18 Februarie 2015 by die Orange River Wine Cellars, Groblershoop, bywoon. (Omkring asseblief die aangewese blokkie)				JA	NEE
In terme van GNR 982 (OIB Regulasies) maak ek enige betrokkenheid wat ek by enige direkte besigheid het; hetsy finansiële, persoonlik of enige ander belange wat ek sou hê by die goedkeuring of weiering van die aansoek, hieronder aan u bekend.		Datum			
		Handtekening			


**Ek wil graag kommentaar lewer op die projek / openbare deelname proses:**

[illegible]

NAAM	KONTAKBESONDERHEDE

Golder Associates Africa  
**OPENBARE DEELNAME KANTOOR**  
 Sasha Slogrove-Saayman / Tony Seef  
 Posbus 6001, Halfway House, 1685  
 Tel: +27(011) 254 4966 / 4959, Faks: +27(0)86 582 1561  
 E-pos: [ssaayman@golder.co.za](mailto:ssaayman@golder.co.za) / [tseef@golder.co.za](mailto:tseef@golder.co.za)  
 Webtuiste : <http://www.golder.com>

**BAIE DANKIE**

## **Project Progress and Feedback Letter (June 2015)**



5 June 2015

Project No. 1400951

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED BOKPOORT II SOLAR  
POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR  
GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE**

**PROGRESS FEEDBACK LETTER**

Dear Stakeholder,

We would like to thank the many stakeholders who have contributed to the proposed Bokpoort II Solar Power Development to date. It has been some months since our last communication and we would like to take this opportunity to inform you of further developments on this proposed project.

As part of the regulatory process, a discussion was held with the competent authority, the Department of Environmental Affairs (DEA), and they have provided valuable guidance on the way forward.

**Submission of three applications**

Stakeholders may recall that the applicant applied for three different technologies, by means of six different applications, on the proposed site, namely Photovoltaic (PV) solar power plant technology, Concentrated Solar Power (CSP) parabolic troughs and CSP towers. The applicant, ACWA Power Africa Holdings (Pty) Ltd (hereinafter referred to as ACWA Power), has since performed an in depth analysis of the proposed project and has now optimised the project development to include only three applications. Two of these applications would each be for the construction of a 100 MW CSP tower and a third application would be for a 75 MW PV solar power plant. As per the requirements of the DEA, none of the proposed technologies or associated infrastructure will be overlapping.

Figure 2 provides an illustration of the proposed combined solar development and associated infrastructure layout. Figure 3, Figure 4 and Figure 5 illustrate the individual site layout plans; one for each of the three individual applications. This revised project configuration will be described in three separate scoping reports, one per technology application. These scoping reports will be made available in draft form for your comment in the weeks ahead.

**Implications of amended applications to I&APs**

It is important to note that while the project configuration that was communicated to I&APs, both in writing and at the Public Meeting held on **Wednesday, 18 February 2015** has now been refined into three non-overlapping site plans, the technical content of the applications and the description of the technologies and the environment as described in the combined Scoping Report, have not changed.

**All stakeholder comments received to date on the combined application will be included in the amended applications, but stakeholders will also be provided with another opportunity to comment on the three revised draft Scoping Reports.**

**Timeframe – specialist studies**

The Department has specifically requested that bird and bat monitoring be conducted for the applications that include the CSP towers. The EIA timeline is being revised to align with this extended bird and bat monitoring program.



**Way forward**

Once the three Draft Scoping Reports are available, stakeholders will be informed of this, and will be invited to submit further comments on these applications. Please note that all stakeholders who have already registered as I&APs will be carried forward into the new EIA processes (one for each project) and all of your issues raised to date will be retained in the new EIA processes.

We look forward to your further participation in the EIA process and would like to provide you with a 21 day comment period to raise any comments on the revised site plans which follow this letter. Should you have any questions, need more information or wish to comment, please contact Erika du Plessis at the Public Participation Office at: (011) 254 4800, fax (086) 582 1516 or email: [eduplessis@golder.co.za](mailto:eduplessis@golder.co.za) by 29 June 2015. Please feel free to use the attached comment sheet to submit any additional comments or to update any contact details.

Yours sincerely

**GOLDER ASSOCIATES AFRICA (PTY) LTD.**

Erika du Plessis  
Senior Public Participation lead



Marie Schlechter  
EIA Project Manager

Attachments:        Maps

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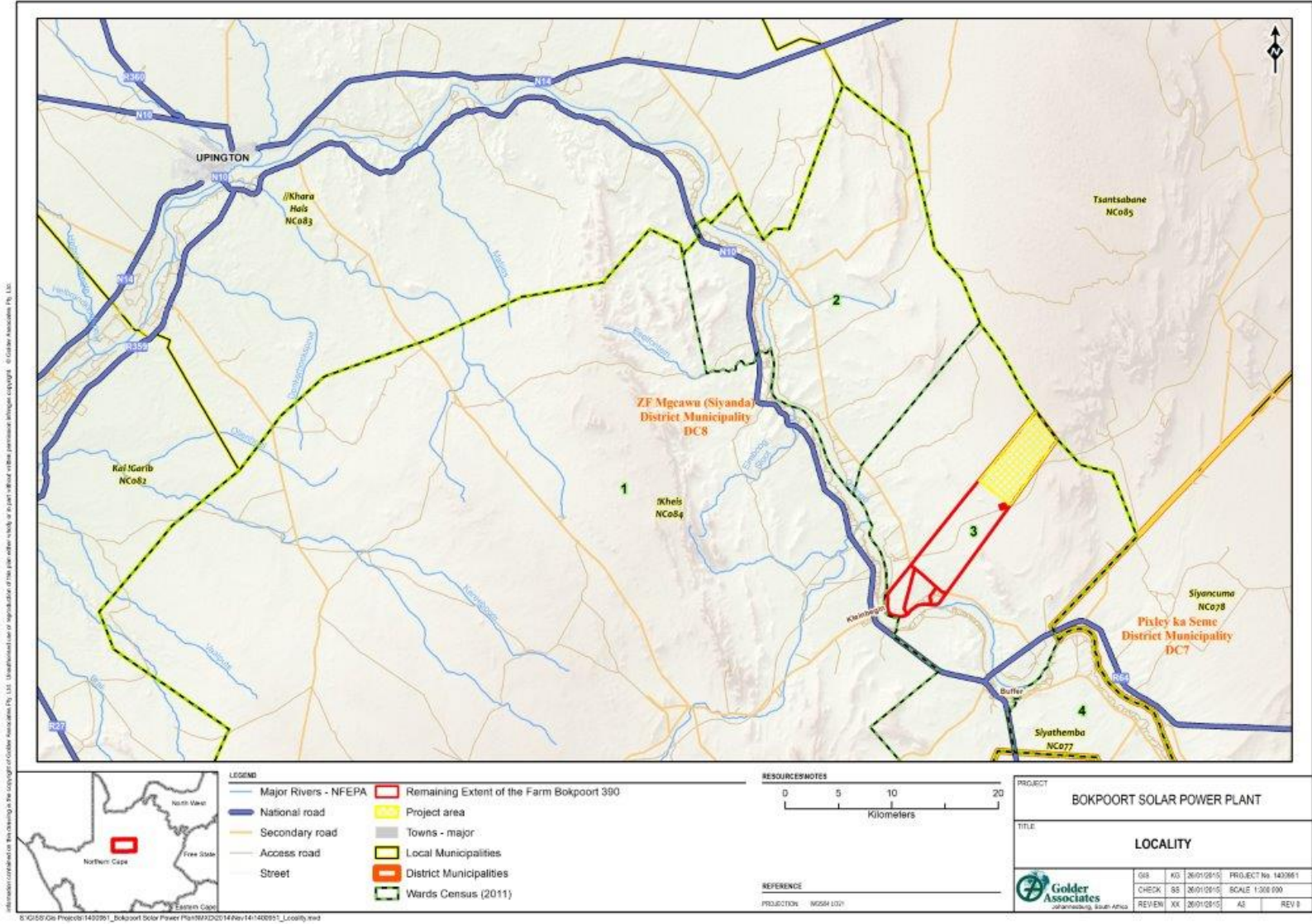
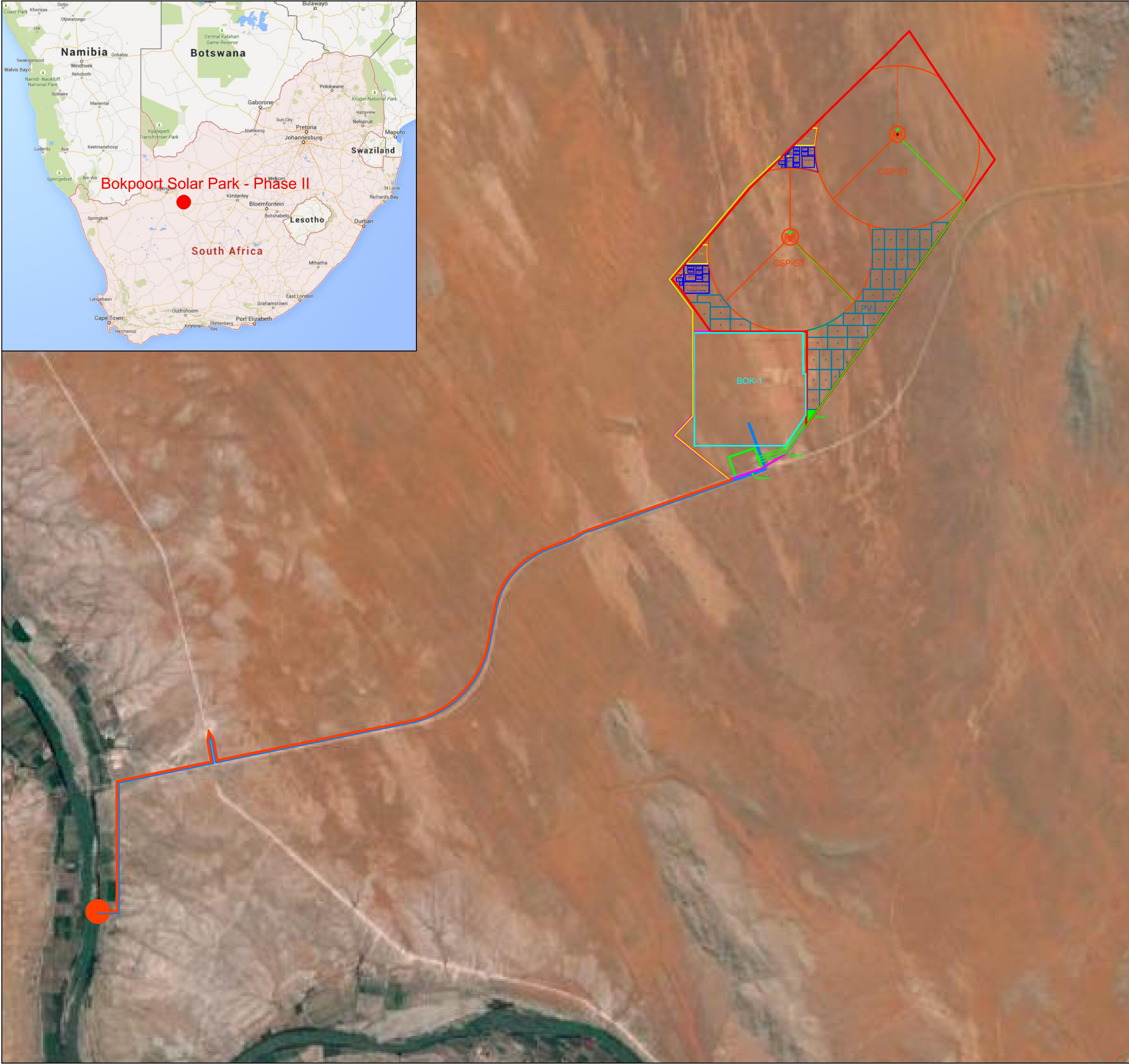


Figure 1: Locality Map for the proposed Bokpoort II Solar Development





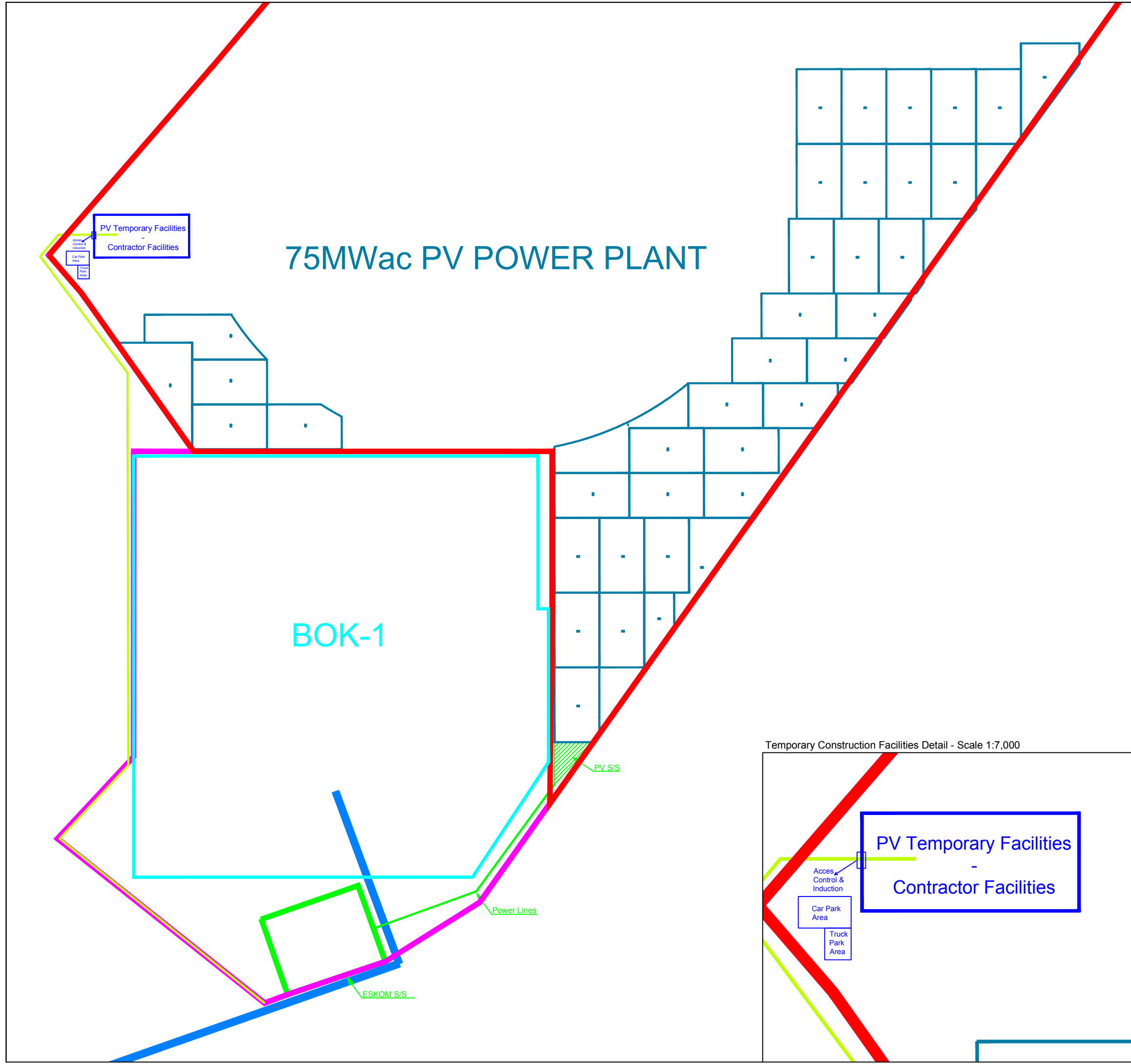


LEGEND:

- Water Pipeline Bokpoort Phase 2
- Water Pipeline Bokpoort Phase 1
- Portion-A Land Boundary
- Bokpoort Solar Complex - Phase 2 Boundary
- Access Road
- PV Power Plant - 75MWac
- CSP-Solar Tower Power Plant - 100MWac
- Temporary Construction Facility
- Evaporation Ponds
- Electrical Interconnection Infrastructure
- Water Supply Location: 28°48'18.72"S 21°53'4.28"E

Figure 2: Proposed Project Layout for the Bokpoort II Solar Development

1	Technologies identification	31/05/2015	CGO			
0	Initial Draft	17/05/2015	CGO			
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED	COMMENTS
REVISIONS						
CONSORTIUM						
DISCLAIMER			CUSTOMER			
THE INFORMATION CONTAINED IN THIS DOCUMENT IS CONFIDENTIAL AND RESTRICTED, AND IS TO BE USED ONLY FOR THE PURPOSES ESTABLISHED IN THE AGREEMENT. NO MATERIAL, DOCUMENT, INFORMATION, REPRESENTATION, OR ANY OTHER PARTY INFORMATION OR DOCUMENT, OF THE WHOLE OR ANY PART OF THE DOCUMENT IS REPRODUCED WITHOUT THE PRIOR, WRITTEN CONSENT OF ACWA POWER. FAILURE TO RESPOND TO ANY REQUEST FOR SUCH CONSENT SHALL BE IN VIOLATION OF THE CONFIDENTIALITY PROVISION.						
CAD FILE No API-BOK2-Layout_OptB-2ST+PV_v03-GeneralArrangement		PROJECT BokPort 2 Solar Complex				
SCALE 1 : 60,000		DRAWING TITLE General Arrangement				
REFERENCE						
ORIGINAL SIZE A3		CONFIRMATION ELEMENT =	DRAWING No. API-TECH-BOK2-OptionB-v03			SHEET 1 of 3




**LEGEND:**

- Water Pipeline Bokpoort Phase 1
- Portion-A Land Boundary
- Bokpoort Solar Complex - Phase 2 Boundary
- Access Road
- PV
- Temporary Construction Facility
- Electrical Interconnection Infrastructure
- Water Supply Location: 28°48'18.72"S 21°53'4.28"E

**Figure 3: Proposed Layout of the 75 MW Photovoltaic Solar Application**

REV.	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED	COMMENTS
1	Technologies Identification	31/05/2015	CGO			
0	Initial Draft	19/05/2015	CGO			

CONSORTIUM



CUSTOMER

DISCLAIMER

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CAD FILE No

API-BOK2-Layout\_OptB-25T+PV\_v03-PV

PROJECT

BokPoort 2 Solar Complex

SCALE

1 : 16,000

DRAWING TITLE

PV  
General Arrangement

REFERENCE

-

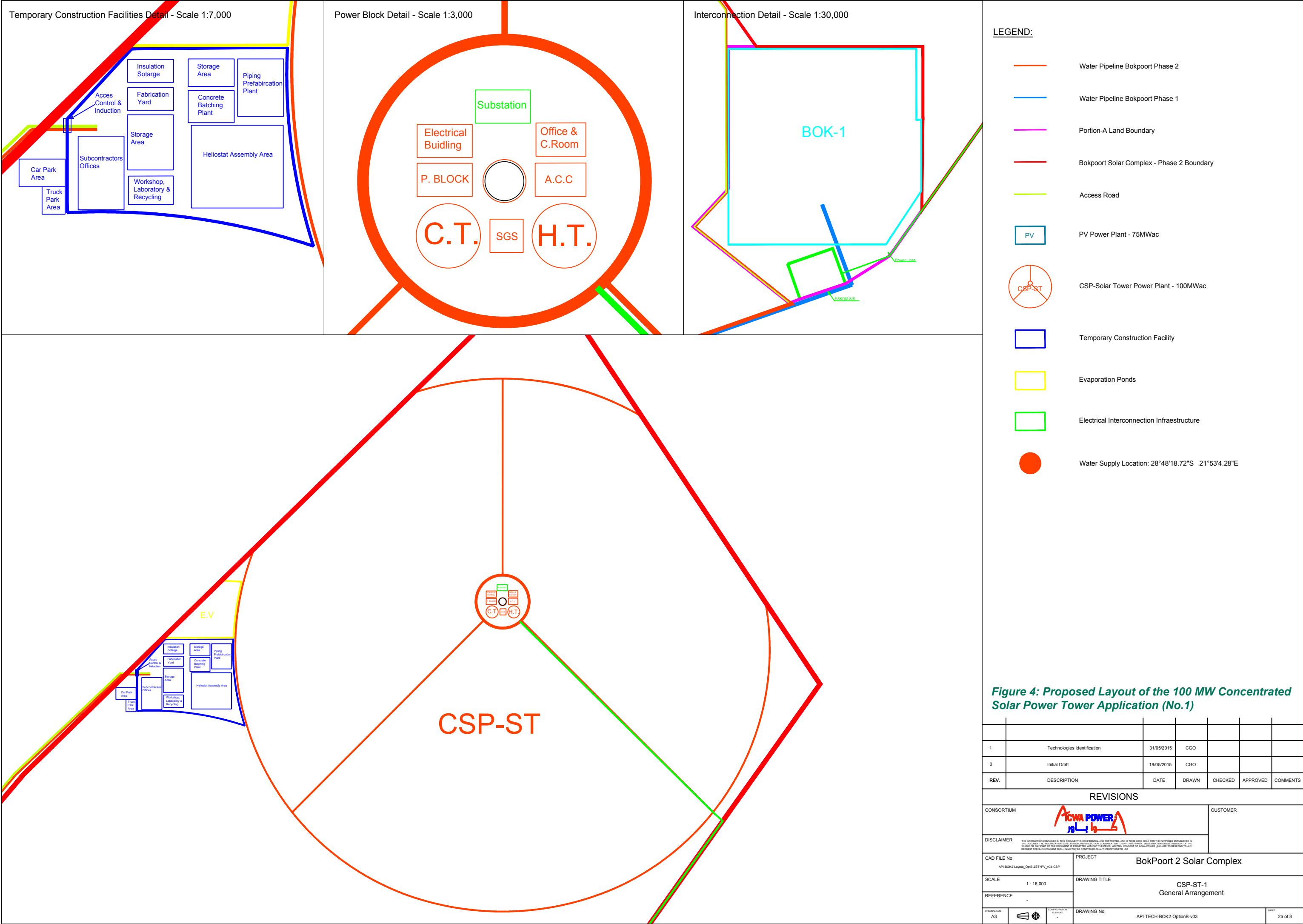
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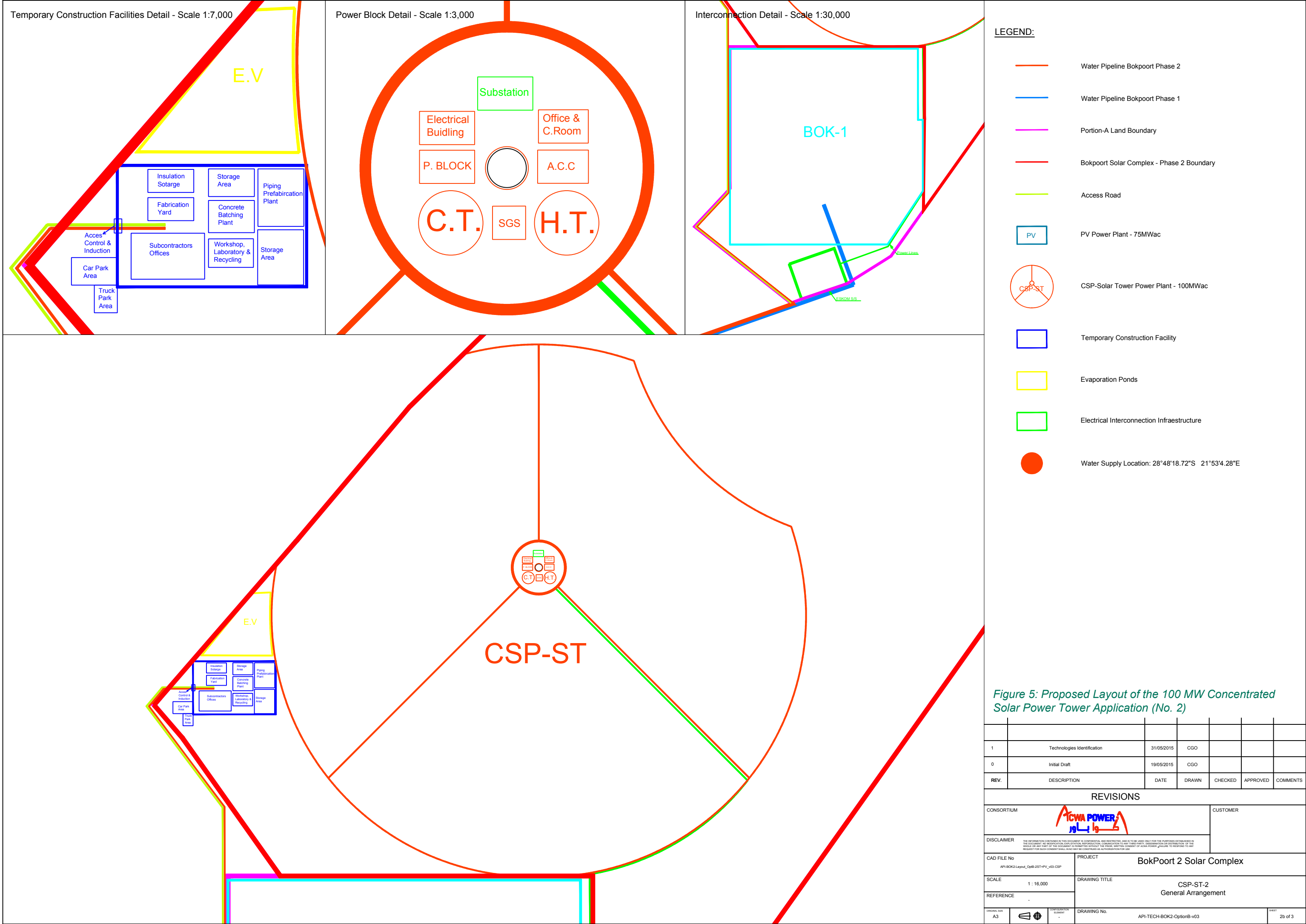
API-TECH-BOK2-OptionB-v03

SHEET

3 of 3







**Environmental Impact Assessment Process for the proposed Bokpoort II Solar Power Development on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop, !Kheis Local Municipality, Northern Cape**



**Registration and Comment Sheet for new I&APs**

June 2015

**IF YOU HAVE ALREADY SUBMITTED A REGISTRATION SHEET AND COMMENTS YOU DO NOT NEED TO DO SO AGAIN. YOU ARE REGISTERED AND YOUR COMMENTS WILL BE CARRIED OVER TO THE NEW PROCESS.**

PERSONAL DETAILS									
Name	Surname		Title	Organisation / Department (If applicable)					
CONTACT INFORMATION									
Cell Number	Land Line Contact Number		Fax Number	Preferred Language					
	Office								
	Home								
Email address	Postal Address						Postal code		
WOULD YOU LIKE TO REGISTER AS AN INTERESTED AND AFFECTED PARTY?									
Please register me as an interested and affected party (I&AP) for this project so that I may receive further information and notifications as the project develops							YES	NO	
Preferred Method of Communication (Mark with an X)			Mail		E-mail		Fax		
Alternate Method of Communication (Mark with an X)			Mail		E-mail		Fax		
In terms of GNR 982 (EIA Regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:					Date				
					Signature				



**I have the following comments to make regarding this project and/or the public consultation process:**

This image shows a blank sheet of white paper designed for handwriting practice. It features ten sets of horizontal guidelines. Each set consists of three lines: two dashed outer lines and one solid black midline. The lines are evenly spaced across the entire page, providing a structured environment for practicing letter formation and alignment. There is no text or other markings on the paper.

NAME	CONTACT DETAILS

# THANK YOU

## **Letter informing the Stakeholders of Additional Comment Period (6 January 2016)**

*Laat ons asseblief weet as u die kommunikasie eerder in  
Afrikaans verkies.*

**5 January 2016**

**Project No. 1400951-Let-02**

Dear Mr Kruger

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED  
BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT  
OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP, !KHEIS LOCAL  
MUNICIPALITY, NORTHERN CAPE**

***PROGRESS FEEDBACK LETTER NO. 2***

***DRAFT SCOPING REPORT AVAILABLE FOR REVIEW***

We would like to thank the many stakeholders who have contributed to the environmental authorisation process for the proposed Bokpoort II Solar Power Development to date. It has been some months since our last communication and we would like to take this opportunity to inform you of further developments on this proposed project.

**PROJECT UPDATE AND PROGRESS FEEDBACK**

In our last communication, dated 5 June 2015, it was indicated that as part of the regulatory process, a discussion was held with the competent authority, the Department of Environmental Affairs (DEA), and they have provided valuable guidance on the way forward. The applicant, ACWA Power Africa Holdings (Pty) Ltd (hereinafter referred to as ACWA Power), has since performed an in depth analysis of the proposed project and has now optimised the project development to include only three applications. After the first round of project refinement, it was proposed to construct 2 x 100 MW Concentrated Solar Power (CSP) towers and 1 x 75 MW Photovoltaic (PV) solar installations as detailed in the above mentioned communication.

After due consideration and further project refinement, ACWA Power is still proposing to submit three (3) applications but the technology alternatives will include 2 x 75 MW PV solar installations (as separate applications) and a 1 x 150 MW CSP Tower installation. As per the requirements of the DEA, none of the proposed technologies or associated infrastructure will be overlapping. The change in the project scope was as a result of the increased capacity allowed for CSP plants, from 100 MW to 150 MW, by the Department of Energy in the Renewable Energy Independent Power Producer Procurement (REIPPP) Program.

Figure 1 provides a locality map for the proposed Bokpoort II Solar Development. Figure 2 provides an illustration of the proposed project layout for the solar development and associated infrastructure layout. Figure 3, Figure 4 and Figure 5 illustrates the individual site layout plans; one for each of the three individual applications.

**Implications of amended applications to Interested and Affected Parties (I&APs)**

It is important to note that while the project configuration that was communicated to I&APs, both in writing and at the Public Meeting held on **Wednesday, 18 February 2015** has now been refined into three non-overlapping site plans, the technical

content of the applications and the description of the technologies and the environment as described in the combined Scoping Report, have not changed significantly.

## DRAFT SCOPING REPORTS AVAILABLE FOR REVIEW

This revised project configuration has been described in three separate scoping reports, one per technology application. The three Draft Scoping Reports will be available for public review and comment for a period of thirty (30) days from Wednesday, **6 January 2016 to Friday, 5 February 2016**.

The three Draft Scoping Reports are:

- Draft Scoping Report: Proposed 75 MW Photovoltaic (PV1) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape, January 2016, Golder Associates, Report No. 1400951-13667-3;
- Draft Scoping Report: Proposed 75 MW Photovoltaic (PV2) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape, January 2016, Golder Associates, Report No. 1400951-13668-4; and
- Draft Scoping Report: Proposed 150 MW CSP Tower Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape, January 2016, Golder Associates, Report No. 1400951-13669-5.

The reports will be available on the following web site: [www.golder.com/public](http://www.golder.com/public). In addition, copies of the draft reports will be available at the following public places:

Public Place	Locality	Contact Person	Contact Number
!Kheis Local Municipal Clinic	Groblershoop	Aletta Straus	054 833 0231
!Kheis Public Library	Groblershoop	Matilda Mathupi	054 833 9500
Golder Associates Africa	Midrand	Marie Schlechter	011 254 4824

Stakeholders may comment on the Draft Scoping Report in any of the following ways:

- By completing and submitting the attached Registration and Comments Sheet;
- By writing a letter or providing additional written submission; and
- By email, fax or telephone to the Public Participation Office

by **5 February 2016** for the attention of **Antoinette Pietersen** of the Public Participation Office at:

**Tel: (011) 254 4800**

**Fax (086) 582 1516**

**or**

**Email: [apietersen@golder.co.za](mailto:apietersen@golder.co.za)**

All stakeholder comments received to date on the combined application and the progress feedback letter (5 June 2015) will be included in the amended applications together with the comments received on the Draft Scoping Reports currently available for review.

## WAY FORWARD

At the end of the public review period on the Draft scoping Reports, the report will be updated and submitted to the relevant competent authority, the DEA for approval to proceed with the Impact Assessment Phase of the EIA process.

We look forward to your further participation in the EIA process. Should you have any questions, need more information or wish to comment, please contact Antoinette Pietersen at the contact details indicated above. Please feel free to use the attached **Registration and Comments Sheet** to submit any additional comments or to update any contact details.

Yours sincerely

GOLDER ASSOCIATES AFRICA (PTY) LTD.

A handwritten signature in black ink that reads "Toni Pietersen". The signature is written in a cursive, flowing style.

Antoinette (Toni) Pietersen

*EIA Public Participation Office*



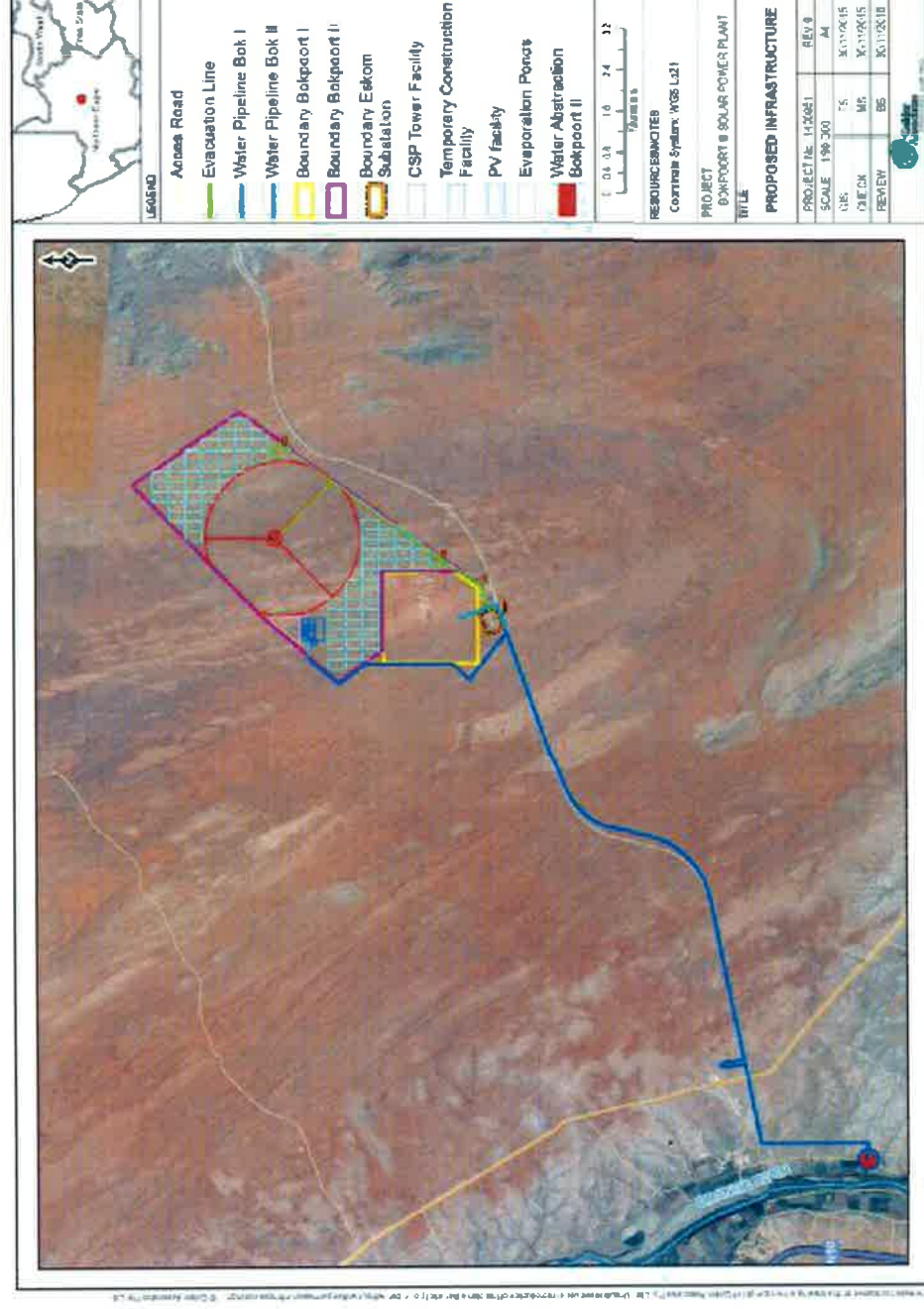


Figure 2: Proposed Project Layout for the Bokpoort II Solar Development



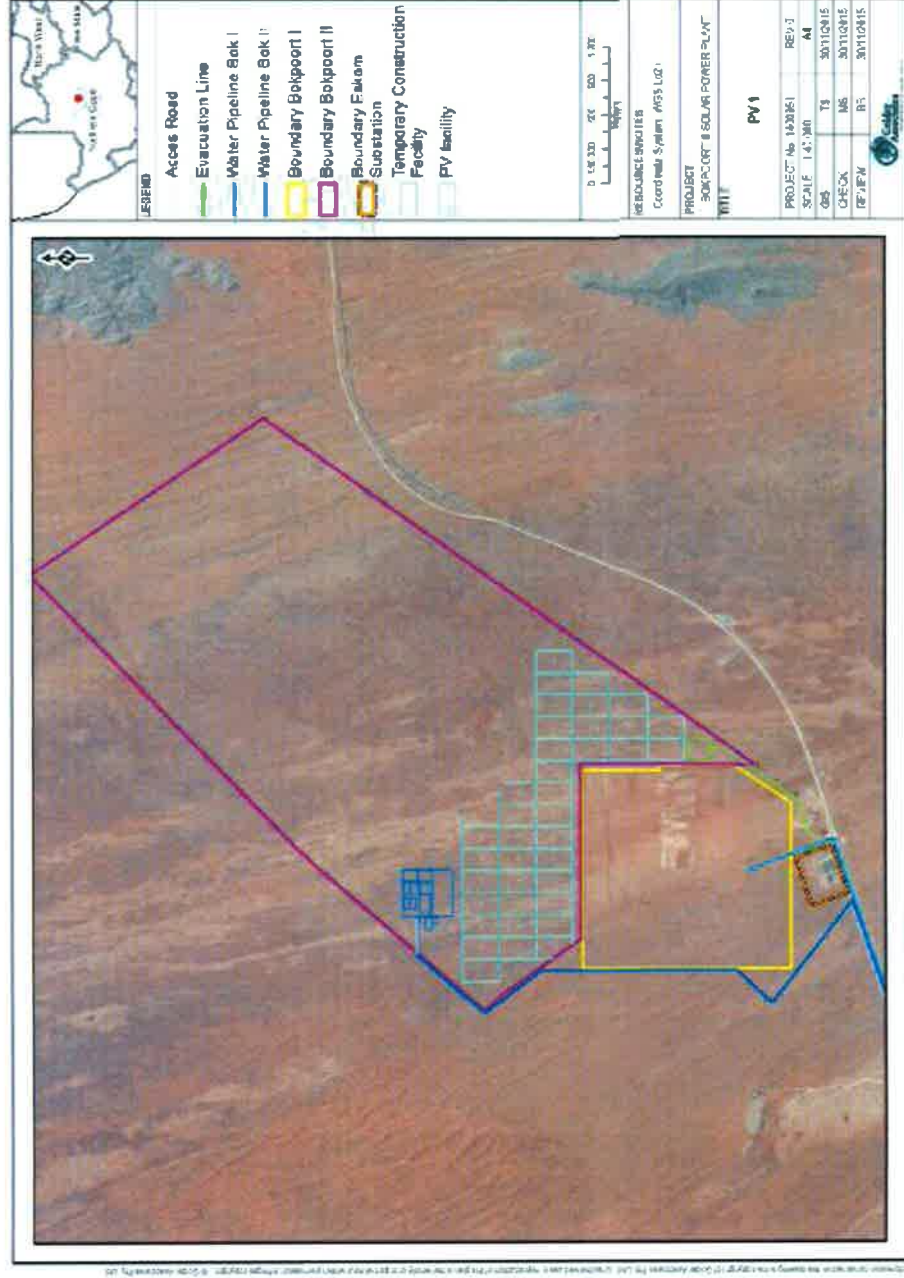


Figure 3: Proposed Layout of the 75 MW Photovoltaic Solar Application (PV1).

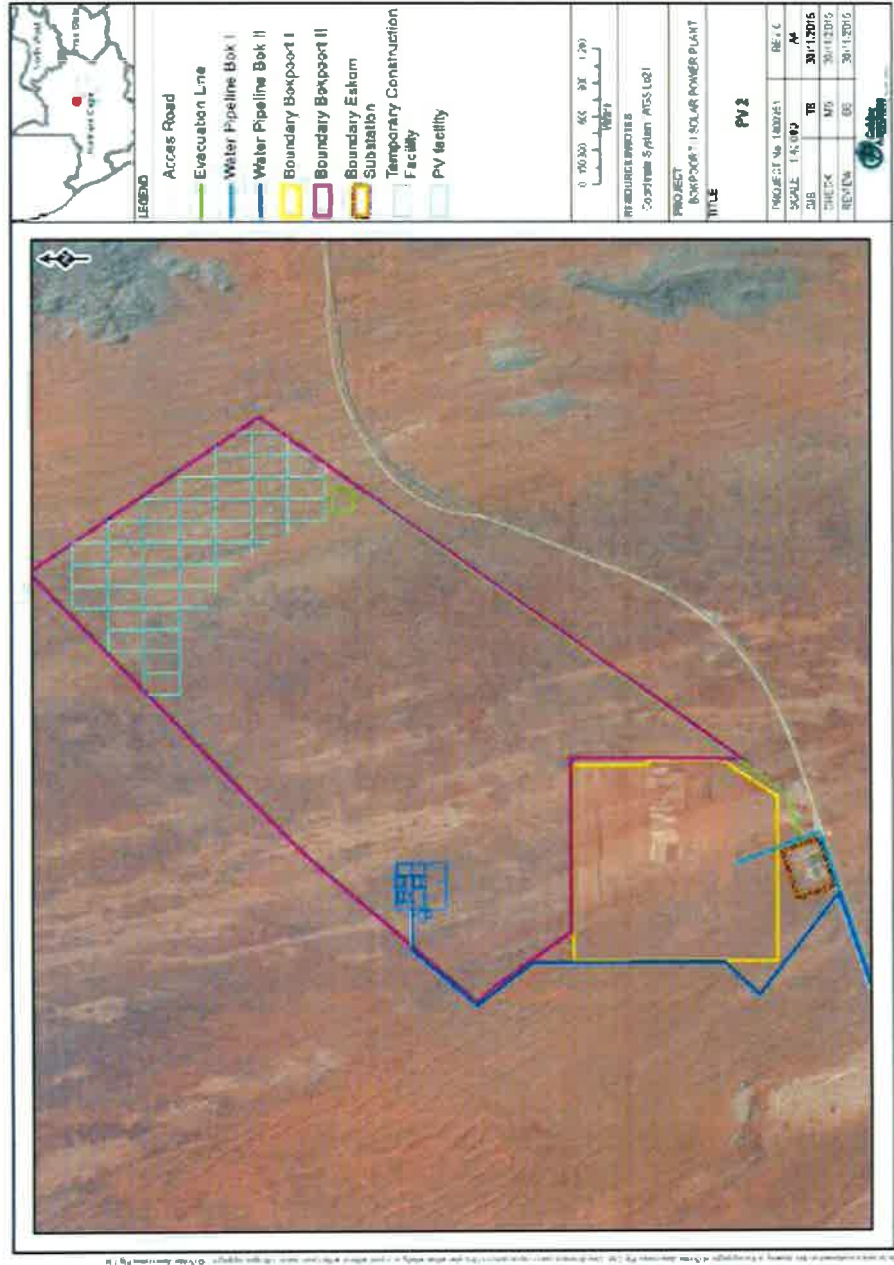


Figure 4: Proposed Layout of the 75 MW Photovoltaic Solar Application (PV2).

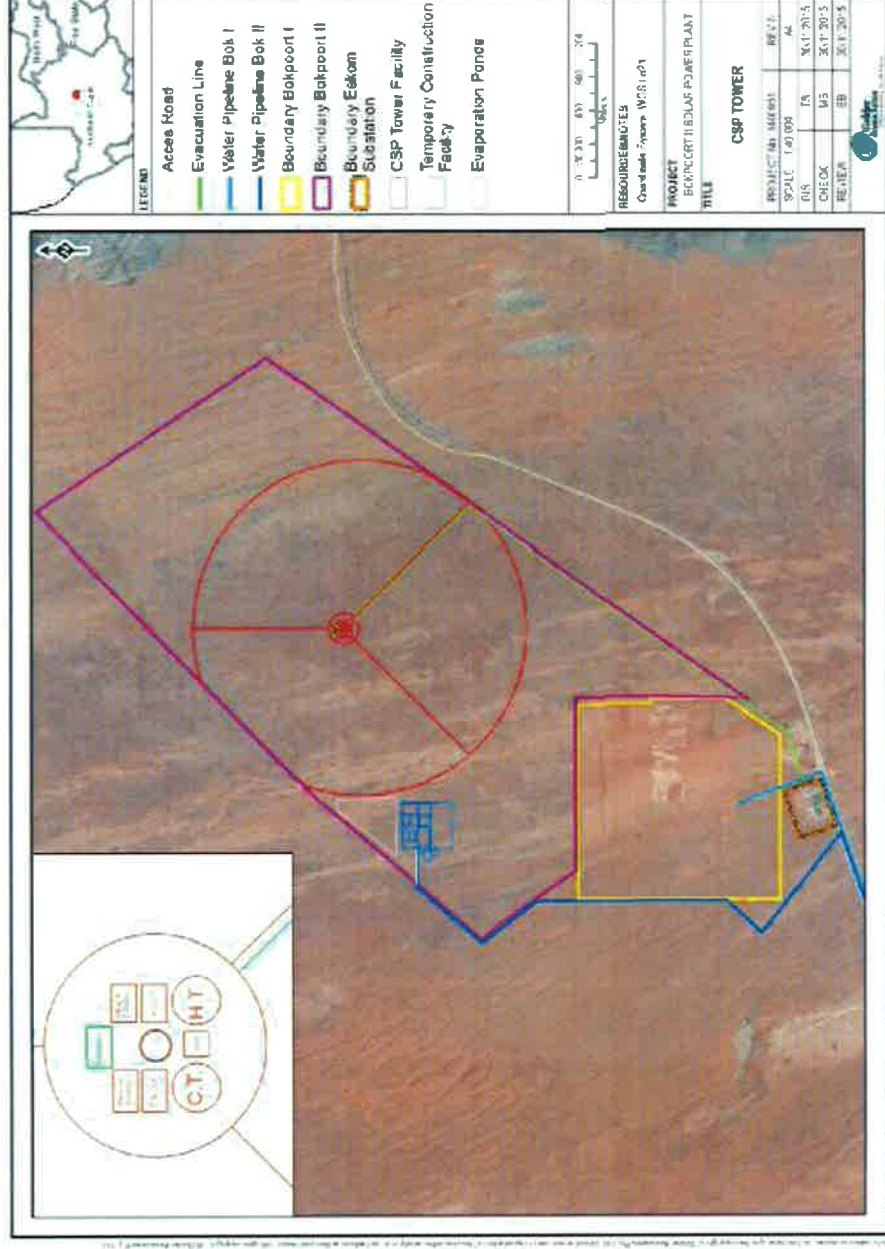


Figure 5: Proposed Layout of the 150 MW Concentrated Solar Power Tower Application.

**Environmental Impact Assessment Process for the proposed Bokpoort II Solar Power Development on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop, !Kheis Local Municipality, Northern Cape**



**Registration and Comment Sheet**

January 2016

**IF YOU HAVE ALREADY SUBMITTED A REGISTRATION SHEET AND COMMENTS YOU DO NOT NEED TO DO SO AGAIN. YOU ARE REGISTERED AND YOUR COMMENTS WILL BE CARRIED OVER TO THE NEW PROCESS.**

PERSONAL DETAILS					
Name	Surname		Title	Organisation / Department (If applicable)	
CONTACT INFORMATION					
Cell Number	Land Line Contact Number		Fax Number	Preferred Language	
	Office				
	Home				
Email address	Postal Address			Postal code	
WOULD YOU LIKE TO REGISTER AS AN INTERESTED AND AFFECTED PARTY?					
Please register me as an interested and affected party (I&AP) for this project so that I may receive further information and notifications as the project develops				YES	NO
Preferred Method of Communication (Mark with an X)		Mail	E-mail	Fax	
Alternate Method of Communication (Mark with an X)		Mail	E-mail	Fax	
In terms of GNR 982 (EIA Regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:			Date		
			Signature		



**I have the following comments to make regarding this project and/or the public consultation process:**

[illegible]

NAME	CONTACT DETAILS

Golder Associates Africa  
**PUBLIC PARTICIPATION OFFICE**  
 Antoinette Pietersen  
 P.O. Box 6001, Halfway House, 1685  
 Tel: +27(011) 254 4800, Fax: +27(0)86 582 1561  
 E-mail: [apietersen@golder.co.za](mailto:apietersen@golder.co.za)  
 Website : <http://www.golder.com>

**THANK YOU**

## **Letter to Stakeholders Announcing Availability of Draft EIA Reports (27 May 2016)**

27 May 2016

Project No. 1400951\_Let\_005

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE****DEA Reference numbers:**

150 MW Concentrated Solar Power tower	14/12/16/3/3/2/879
75 MW Photovoltaic Solar Development (PV1)	14/12/16/3/3/2/881
75 MW Photovoltaic Solar Development (PV2)	14/12/16/3/3/2/880

- **Draft Environmental Impact Assessment (EIA) Reports available for comment**
- **Invitation to a public meeting, Tuesday 14 June 2016**

Dear {Title}{Surname}

We would like to thank all the interested and affected parties (I&APs) who have commented on the updated Draft Scoping Report. The EIA team is pleased to inform you that the environmental specialist studies have been completed. The findings of the environmental studies, the proposed mitigation measures and environmental management plans have been prepared and are presented in the Draft Environmental Impact Assessment (EIA) Reports that are available for public review.

**Draft EIA Reports available for public review**

The Draft EIA Reports will be available for a public review period of 30 days, as required by the 2014 EIA Regulations in terms of the National Environmental Management Act (NEMA) (Act 107 of 1989), as amended, from **Friday 27 May 2016 to Monday 27 June 2016**. A registration and comment sheet and a map of the project area are enclosed for use and reference.

ACWA Power Africa Holdings (Pty) Ltd (ACWA Power) will be undertaking several listed activities applicable to the proposed project that requires environmental authorisation via the EIA process in terms of the NEMA, as amended and the 2014 NEMA EIA Regulations GN R.982, 983, 984 and 985. The competent authority that will make the decision on whether or not to authorise the undertaking of the NEMA listed activities is the National Department of Environmental Affairs (DEA).

The project development includes three separate applications, as follows:

- 1 x 150 MW Concentrated Solar Power (CSP) tower, and
- 2 x 75 MW Photovoltaic (PV) solar installations.

The Bokpoort II project will include different types of solar power technologies and associated infrastructure clearly described in the Draft EIA Reports that are available for public review and comment as follows:

- Draft EIA Report: Proposed 150 MW CSP Tower Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape;
- Draft EIA Report: Proposed 75 MW Photovoltaic (PV1) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape; and

**Golder Associates Africa (Pty) Ltd.**

Barinors Vineyard North, The Vineyards Office Estate, 99 Jip de Jager Road, Bellville, 7530

P.O. Box 6331, Welgemoed, 7538

Tel: [+27] (21) 912 1060 Fax: [+27] 086 582 1561 www.golder.com

**Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America**Reg. No. 2002/007104/07 Directors: RGM Heath, MQ Mokulubete, SC Naidoo, GYW Ngoma  
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- Draft EIA Report: Proposed 75 MW Photovoltaic (PV2) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape.

It should be noted also that the EIA was conducted in line with international standards, in particular the Equator Principles (EP) and the requirements set out in the International Finance Corporation's (IFCs) Performance Standards.

The purpose of the public review period, which is in line with the 2014 EIA Regulations in terms of Section 24 O of the NEMA, is for stakeholders to verify that the comments raised during the Scoping Phase have been considered in the environmental specialist studies, to comment on the findings of the specialist studies, the recommended mitigation and monitoring measures and the environmental management plans.

### Your comment is important, please

The abovementioned documents will be available on Golder's website: <http://www.golder.com/public> and at the following public places:

Public Place	Locality	Contact Person	Telephone
!Kheis Local Municipal Clinic	Groblershoop	Aletta Strauss	054 833 0231
!Kheis Municipal Public Library	Groblershoop	Matilda Mathupi	054 833 9500
Orange River Cellars*	Between Groblershoop and Upington	Petra Smit	054 833 0108
Golder Associates Africa	Midrand	Marié Schlechter	011 254 4800

\* Copies of the report will be available on CD for collection.

Stakeholders may comment on each of the Draft EIA Reports in any of the following ways:

- By completing the registration and comment sheet enclosed with this letter;
- By completing the registration and comment sheet *online* via the Golder website: [www.golder.com/public](http://www.golder.com/public);
- By writing a letter or providing additional written submissions;
- By email, fax or telephone to the Public Participation Office; and/or
- Attending the public meeting on Tuesday 14 June 2016 (see below).

### Invitation to a public meeting

I&APs are cordially invited to attend a public meeting that will be held on:

**Date: Tuesday, 14 June 2016**

**Time: 10:00am until 12:00 pm**

**Venue: Orange River Wine Cellars, Groblershoop**

The objectives of the public meeting will be to share the contents of each of the Draft EIA Reports, for I&APs to contribute comments and raise questions and/or concerns and to verify that the issues raised during the scoping phase have been considered in the environmental specialist studies. I&APs who wish to attend the public meeting are requested to complete the registration and comment sheet (by hand or online) and return it to the Public Participation Office.

We look forward to receiving your comments and meeting with you at the public meeting! Should you have any questions, need more information or wish to comment, please contact me at (011) 254 4805, fax 086 582 1561 or email: [PPoffice@golder.co.za](mailto:PPoffice@golder.co.za).

Sincerely,

**GOLDER ASSOCIATES AFRICA (PTY) LTD.**



Antoinette Pietersen  
Public Participation Lead

ap/ms



Marié Schlechter  
Project Manager

Attachments: Registration and Comment Sheet

g:\projects\1400951 - acwaeia-bokpoortncapel\3.2 in -out info\1400951\_Let\_005\_annletter\_v5\_12052016\_signedoff\_20may16.docx

**Environmental Impact Assessment for the proposed Bokpoort II Solar Power Development on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop, !Kheis Local Municipality, Northern Cape**



**Registration and Comment Sheet**

**Friday 27 May 2016 to Monday 27 June 2016**

Your comments are an important contribution into this permitting process. We would like to interact directly with you and encourage you to register as a stakeholder so that we can keep you updated as this project moves forward and respond to any questions or concerns that you may wish to raise.

PERSONAL DETAILS					
Name	Surname	Title	Organisation / Department (If applicable)		
CONTACT INFORMATION					
Cell Number	Land Line Contact Number		Fax Number	Preferred Language	
		Office			
		Home			
Email	Postal Address			Postal code	
LANDOWNERS					
If your property falls within the boundary of the proposed development area, please tell us your farm name and erf/portion number					
WOULD YOU LIKE TO REGISTER AS AN INTERESTED AND AFFECTED PARTY?					
Please register me as an interested and affected party (I&AP) for this project so that I may receive further information and notifications as the project develops			YES	NO	
Preferred Method of Communication (Mark with an X)	Post	Email	Fax		
Alternate Method of Communication (Mark with an X)	Post	Email	Fax		
In terms of GNR 543 (EIA Regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:	Date				
	Signature				

For internal use to confirm capture of stakeholder details into the stakeholder database	
Stakeholder database reference number	
	Signature of data capturer

### COMMENT(S)

***You are welcome to use different pages should you so wish.***

**I have the following comments to make regarding this project and/or the public consultation process:**

[illegible]

Please ask the following of my colleagues / friends to register as Interested and Affected Persons for this EIA process:

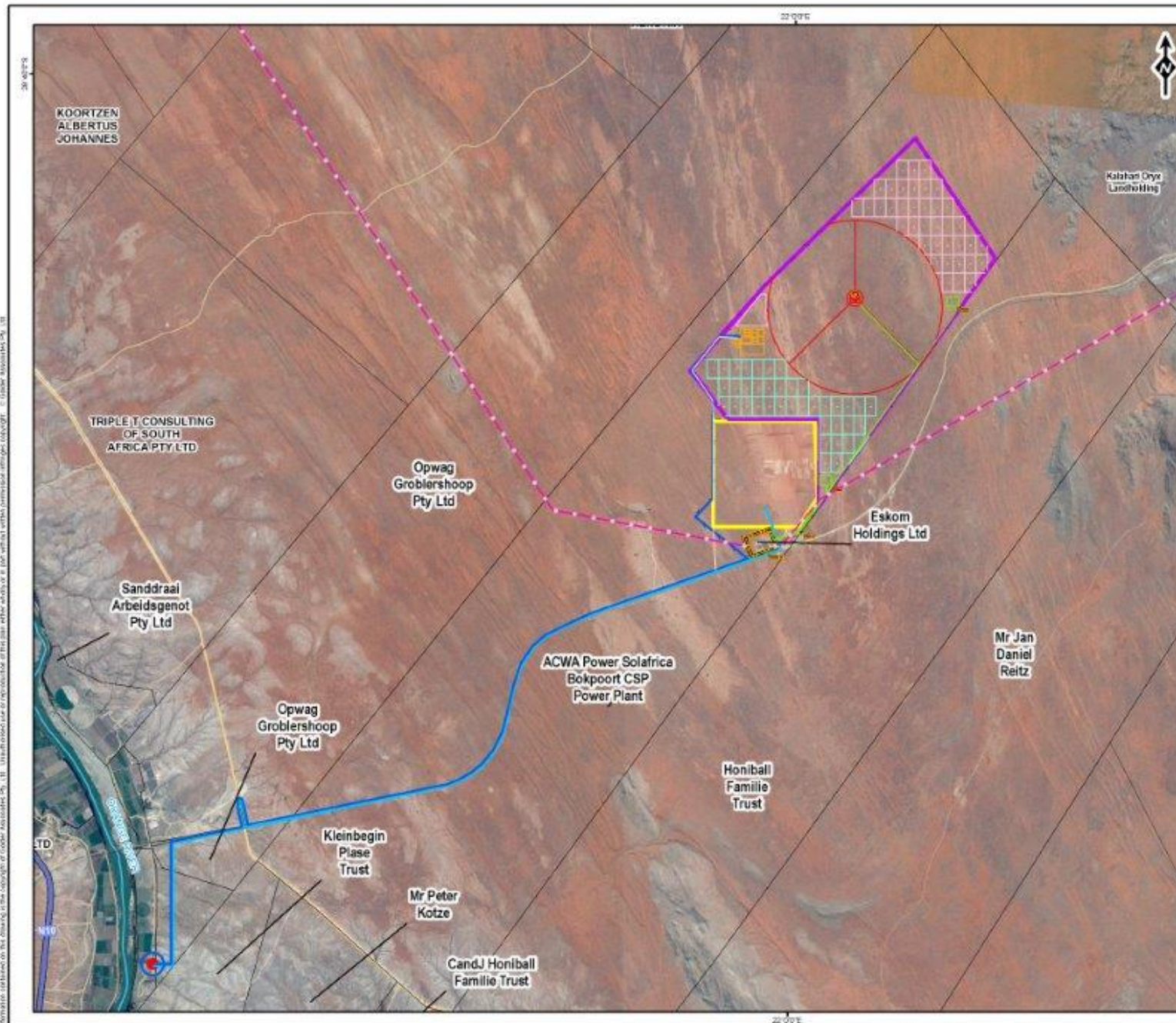
[illegible]

**PLEASE RETURN THE REGISTRATION AND COMMENT SHEET TO:**

**Golden Associates Africa**  
**PUBLIC PARTICIPATION OFFICE**

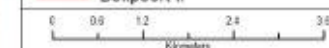
**Marié Schlechter / Antoinette Pietersen**  
**Public Participation Office:**  
**Golder Associates Africa (Pty) Ltd.**  
**PO Box 6001, Halfway House, 1685**  
**Tel: (011) 254 4800 / Fax: 086 582 1561**  
**E-mail: [PPoffice@golder.co.za](mailto:PPoffice@golder.co.za)**  
**Website : [www.golder.com/public](http://www.golder.com/public)**

# THANK YOU



#### LEGEND

- Existing Eskom Powerlines HV
- Access Road
- Evacuation Line
- Water Pipeline Bok I
- Water Pipeline Bok II
- Bokpoort Boundary Phase I
- Bokpoort Boundary Phase II
- Boundary Eskom Substation
- CSP Tower Facility
- Temporary Construction facility
- PV1 Facility
- PV2 Facility
- Evaporation Ponds
- Water abstraction Bokpoort II



#### REFERENCE

Coordinate System: WGS 84

#### PROJECT

BOKPOORT II SOLAR POWER PLANT

#### TITLE

#### PROPOSED INFRASTRUCTURE

PROJECT No. 140361	REV 1
SCALE 1:50 000	A3
GS	CS 2018/05/12
CHECK	MS 2018/06/12
REVIEW	BB 2018/05/12





**OMGEWINGSIMPAKBEPALING VAN DIE VOORGESTELDE BOKPOORT II SONKRAG ONTWIKKELING OP DIE RESTANT VAN DIE PLAAS BOKPOORT 390 NABY GROBLERSHOOP, !KHEIS PLAASLIKE MUNISIPALITEIT, NOORD KAAP***DOS Verwysingnommers:*

150 MW Gekonsentreerde Sonkragtoring	14/12/16/3/3/2/879
75 MW Fotovoltaïese Sonkraginstallasie (FV1)	14/12/16/3/3/2/881
75 MW Fotovoltaïese Sonkraginstallasie (FV2)	14/12/16/3/3/2/880

- **Konsep Omgewingsimpakbepalingsverslae beskikbaar vir kommentaar**
- **Uitnodiging na 'n openbare vergadering, Dinsdag 14 Junie 2016**

Beste {Titel}{Van}

Ons hartlike dank aan al die belanghebbende en geaffekteerde partye (B&GPs) wat kommentaar gelewer het op die opgedateerde Konsep Omgewingsimpakbepalingsverslae (OIB). Die OIB-span deel u graag mee dat die omgewingsspesialisstudies voltooi is. Die bevindinge van die omgewingstudies, die voorgestelde versagtingsmaatreëls en omgewingsbestuursplanne is opgestel en uiteengesit in die Konsep Omgewingsimpakbepalingsverslae (OIB) wat beskikbaar is vir openbare insae.

**Konsep Omgewingsimpakbepalingsverslae beskikbaar vir openbare kommentaar**

Die Konsep OIB-verslae sal beskikbaar wees vir openbare insae vir 'n tydperk van 30 dae soos vereis deur die 2014 OIB-regulasies in terme van die Wet op Nasionale Omgewingsbestuur (WNOB) (Wet 107 van 1989), soos gewysig, vanaf **Vrydag 27 Mei 2016 tot Maandag 27 Junie 2016**. 'n Registrasie-en-kommentaarblad asook 'n kaart van die projekarea is ingesluit vir gebruik en verwysing.

ACWA Power Africa Holdings (Edms) Bpk (ACWA Power) beplan die onderneming van verskeie gelyste aktiwiteite wat van toepassing is op die voorgestelde projek en wat omgewingsmagtiging vereis in terme van die WNOB, soos gewysig, asook die 2014 WNOB OIB-regulasies SK R 982, 983, 984 en 985. Die bevoegde owerheid wat die besluit sal neem oor die vraag of die onderneming van die WNOB gelyste aktiwiteite onderneem mag word al dan nie, is die Nasionale Departement van Omgewingsake (DOS).

Die ontwikkeling behels drie aansoeke, soos volg:

- 1 x 150 MW Gekonsentreerde Sonkragtoring; en
- 2 x 75 MW Fotovoltaïese (FV) Sonkraginstallasies (as aparte aansoeke).

Die Bokpoort II projek sal verskillende soorte sonkrag tegnologieë en geassosieerde infrastruktuur aanwend wat duidelik beskryf word in die Konsep OIB-verslae wat beskikbaar is vir openbare hersiening en kommentaar:

- Konsep OIB Verslag: Voorgestelde 150 MW Gekonsentreerde Sonkragtoringontwikkeling op die restant van die plaas Bokpoort 390, Noord Kaap;
- Konsep OIB Verslag: Voorgestelde 75 MW Fotovoltaïese (FV1) Sonkraginstallasie op die restant van die plaas Bokpoort 390, Noord Kaap; en

- Konsep OIB Verslag: Voorgestelde 75 MW Fotovoltaïese (FV2) Sonkraginstallasie op die restant van die plaas Bokpoort 390, Noord Kaap.

Let asseblief daarop dat die OIB ook gedoen word volgens internasionale standaarde, veral soos uiteengesit in die Ewenaarbeginsels (Equator Principles) en die prestasiestandaarde van die Internasionale Finansiële Korporasie (IFK) (International Finance Corporation).

Die doel van die openbare oorsigtydperk, wat dienoreenkomstig die 2014 OIB-regulasies in terme van Artikel 24 O van die WNOB is, is om die geleentheid te bied aan belanghebbendes om te bevestig dat die kommentaar wat tydens die omvangbepalingsfase geopper is, oorweeg is in die omgewingspesialisstudies; vir belanghebbendes om kommentaar te lewer oor die bevindinge van die spesialisstudies, die aanbevole versagtingsmaatreëls, moniteringsmaatreëls en die omgewingsbestuursplanne.

## U kommentaar is belangrik, asseblief

Bogenoemde dokumente sal beskikbaar wees op die Golder webwerf: <http://www.golder.com/public> en by die volgende openbare plekke:

Openbare Plek	Ligging	Kontakpersoon	Telefoon
!Kheis Plaaslike Munisipale Kliniek	Groblershoop	Aletta Strauss	054 833 0231
!Kheis Munisipale Openbare Biblioteek	Groblershoop	Matilda Mathupi	054 833 9500
Oranjerivier Kelders*	Tussen Groblershoop en Uppington	Petra Smit	054 833 0108
Golder Associates Africa	Midrand	Marié Schlechter	011 254 4800

\* Kopieë van die verslae sal op CDs beskikbaar wees wat deur die publiek afgehaal kan word.

Belanghebbendes kan kommentaar lewer op elk van die Konsep OIB-verslae op enige van die volgende maniere:

- Deur die ingeslote registrasie-en-kommentaarblad te voltooi
- Deur die registrasie-en-kommentaarblad deur middel van die Golder webwerf: [www.golder.com/public](http://www.golder.com/public) te voltooi
- Deur 'n brief te skryf of deur middel van die verskaffing van bykomende skriftelike voorleggings
- Deur 'n e-pos, faks of per telefoon in verbinding te tree met die Kantoor vir Openbare Deelname; en/of
- Deur bywoning van die openbare vergadering op Dinsdag 14 Junie 2016 (sien hieronder).

## Uitnodiging na 'n openbare vergadering

Belanghebbendes word vriendelik uitgenooi na 'n openbare vergadering op:

- **Datum:** Dinsdag, 14 June 2016
- **Tyd:** 10:00 vm tot 12:00 nm
- **Plek:** Oranjerivier Wynkelders, Groblershoop

Die doelwitte van die openbare vergadering is om die inhoud van elk van die Konsep OIB-verslae aan B&GPs mee te deel; vir B&GPs om kommentaar te lewer en verdere vrae te vra en om seker te maak dat die kwessies wat tydens die omvangbepalingsfase geopper is, wel in die omgewingspesialisstudies oorweeg is. B&GP's wat die openbare vergadering wil bywoon, word versoek om die registrasie-en-kommentaarblad te voltooi en terug te stuur aan die Kantoor vir Openbare Deelname.



Ons sien uit daarna om u kommentaar te ontvang en te ontmoet by die openbare vergadering! Indien u enige vrae het, meer inligting wil bekom of kommentaar wil lewer, is u welkom om my te kontak by (011) 254 4805, faks 086 582 1561 of per E-pos: PPoffice@golder.co.za.

Die uwe,

**GOLDER ASSOCIATES AFRICA (PTY) LTD.**



Antoinette Pietersen  
Openbare Deelname Proses Leidster

ap/ms



Marié Schlechter  
Projekbestuurder

Aanhangsel: Registrasie-en-Kommentaarblad

**Environmental Impact Assessment for the proposed Bokpoort II Solar Power Development on the Remaining Extent of the Farm Bokpoort 390 near Groblershoop, !Kheis Local Municipality, Northern Cape**



**Registration and Comment Sheet**

**Friday 27 May 2016 to Monday 27 June 2016**

Your comments are an important contribution into this permitting process. We would like to interact directly with you and encourage you to register as a stakeholder so that we can keep you updated as this project moves forward and respond to any questions or concerns that you may wish to raise.

PERSONAL DETAILS					
Name	Surname	Title	Organisation / Department (If applicable)		
CONTACT INFORMATION					
Cell Number	Land Line Contact Number		Fax Number	Preferred Language	
		Office			
		Home			
Email	Postal Address			Postal code	
LANDOWNERS					
If your property falls within the boundary of the proposed development area, please tell us your farm name and erf/portion number					
WOULD YOU LIKE TO REGISTER AS AN INTERESTED AND AFFECTED PARTY?					
Please register me as an interested and affected party (I&AP) for this project so that I may receive further information and notifications as the project develops			YES	NO	
Preferred Method of Communication (Mark with an X)	Post	Email	Fax		
Alternate Method of Communication (Mark with an X)	Post	Email	Fax		
In terms of GNR 543 (EIA Regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:	Date				
	Signature				

For internal use to confirm capture of stakeholder details into the stakeholder database	
Stakeholder database reference number	
	Signature of data capturer

**COMMENT(S)**

***You are welcome to use different pages should you so wish.***

**I have the following comments to make regarding this project and/or the public consultation process:**

[illegible]

Please ask the following of my colleagues / friends to register as Interested and Affected Persons for this EIA process:

NAME	CONTACT DETAILS

**PLEASE RETURN THE REGISTRATION AND COMMENT SHEET TO:**

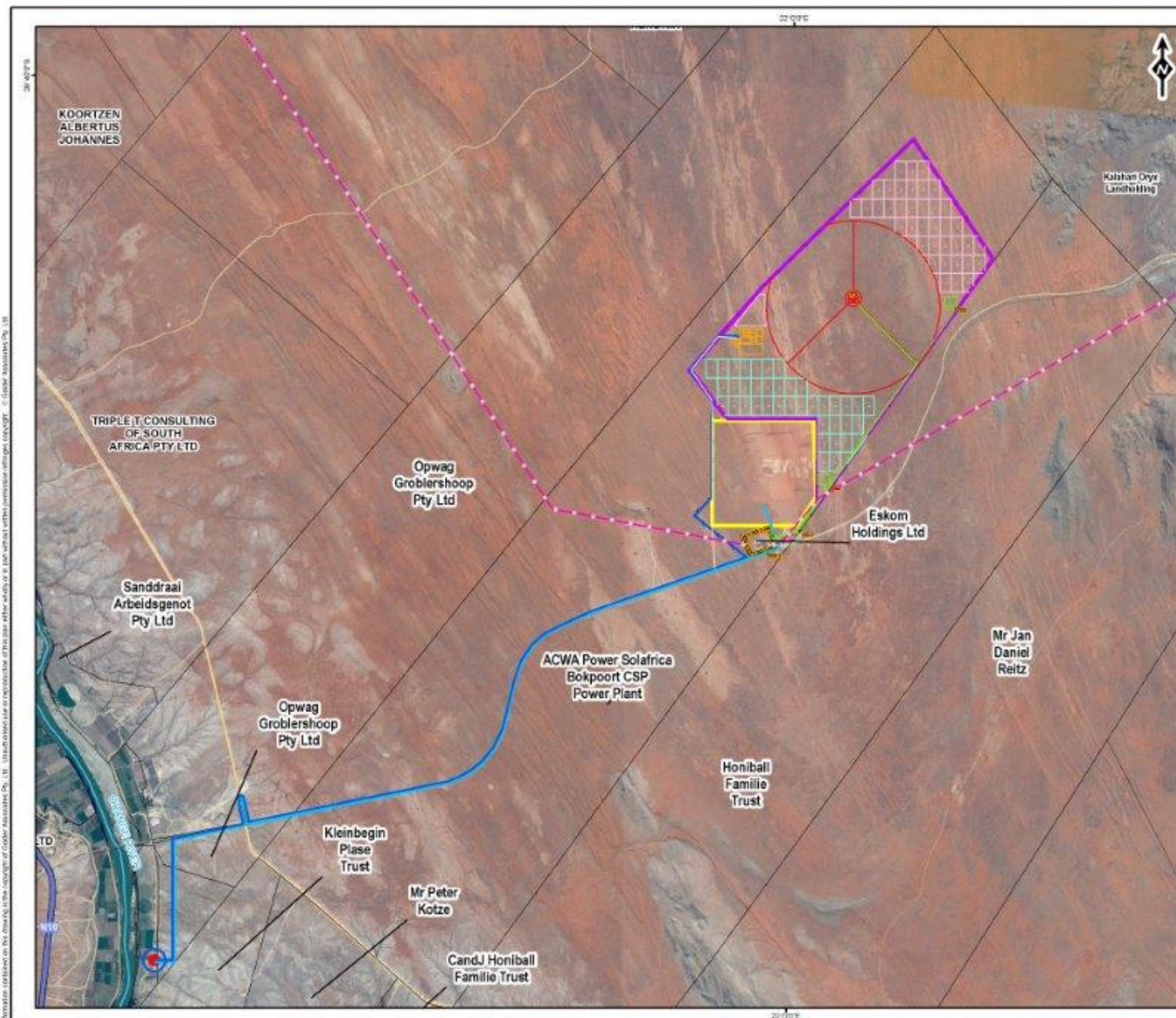
**Golden Associates Africa**  
**PUBLIC PARTICIPATION OFFICE**

**Marié Schlechter / Antoinette Pietersen**  
**Public Participation Office:**  
**Golder Associates Africa (Pty) Ltd.**  
**PO Box 6001, Halfway House, 1685**  
**Tel: (011) 254 4800 / Fax: 086 582 1561**  
**E-mail: [PPoffice@golder.co.za](mailto:PPoffice@golder.co.za)**  
**Website : [www.golder.com/public](http://www.golder.com/public)**

# THANK YOU

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**LEGEND**

- Existing Eskom Powerlines HV
- Access Road
- Evacuation Line
- Water Pipeline Bok I
- Water Pipeline Bok II
- Bokpoort Boundary Phase I
- Bokpoort Boundary Phase II
- Boundary Eskom Substation
- CSP Tower Facility
- Temporary Construction facility
- PV1 Facility
- PV2 Facility
- Evaporation Ponds
- Water abstraction Bokpoort II

0 0.8 1.2 2.4 3.6  
Kilometers

**REFERENCE**  
Coordinate System: WGS 84

**PROJECT**  
BOKPOORT II SOLAR POWER PLANT

**TITLE**

**PROPOSED INFRASTRUCTURE**

PROJECT No. 1400961	REV 1
SCALE 1:50 000	A3
GS	CS 2018/05/12
CHECK	MS 2018/05/12
REVIEW	BB 2018/05/12



## Site Notices (January 2015)

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED BOKPOORT II  
SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR  
GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE**

**DRAFT SCOPING REPORT AVAILABLE FOR COMMENT  
INVITATION TO REGISTER AS AN I&AP AND TO ATTEND AN OPEN HOUSE**

**DEA Reference numbers:**

PV1	14/12/16/3/3/2/802
PV2	14/12/16/3/3/2/803
PV3	14/12/16/3/3/2/804
PV4	14/12/16/3/3/2/805
CSP Trough 1 / Tower 1	14/12/16/3/3/2/800
CSP Trough 2 / Tower 2	14/12/16/3/3/2/801

ACWA Power Africa Holdings (Pty) Ltd (ACWA) proposes to establish a solar facility (Bokpoort II) on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km northwest of Groblershoop town within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province.

The following projects are being proposed:

- 4x 75 MW Photovoltaic (PV) facilities
- 2x 100 MW CSP Parabolic Tower/ Trough facilities

The combined power generation capacity of the entire Bokpoort II solar development will be 500 MW (PV: 300 MW and CSP Trough or Tower: 200 MW).

In 2011, the Department of Environmental Affairs (DEA) issued an authorisation for a 75 MW CSP parabolic trough development on the south western portion of the Remaining Extent (RE) of the Farm Bokpoort 390 and construction commenced in July 2013. The proposed Bokpoort II is located in an area that was assessed during the EIA process for the Bokpoort I. The Bokpoort I EIA's sensitivity zoning map, indicates that the project footprint for the Bokpoort II solar development is in an environmentally preferred and acceptable developable area.

Golder Associates Africa (Pty) Ltd (Golder) has been appointed by ACWA as the Environmental Assessment Practitioner (EAP) to undertake the Environmental Impact Assessment process for the proposed development, as determined by the National Environmental Management Act (Act 107 of 1998) NEMA).

**PUBLIC COMMENT INVITED**

Stakeholders are invited to register as Interested and Affected Parties (I&APs) and to participate in the EIA process by:

- Giving comments regarding the Draft Scoping Report;
- Identifying issues of concern and suggestions for enhanced benefits.

The Draft Scoping Report will be available for public review and comment from **Wednesday, 28 January 2015 to Friday, 27 February 2015**. The report will be available at the public places listed below and also on the following website: [www.golder.com/public](http://www.golder.com/public).

Name of Public Place	Contact Person	Address	Contact Number
!Kheis Local Municipal Clinic	Aletta Strauss	212 Maritz Street, Groblershoop	054 833 0231
!Kheis Public Library	Matilda Mathupi	97 Orange Street, Groblershoop	054 833 9500
Golder Associates Africa	Sasha Slogrove-Saayman	Building 1, Golder House, Maxwell Office Park, Midrand	011 254 4966

**INVITATION TO OPEN HOUSE**

Stakeholders are also invited to attend an Open House that will be held on:

**Date: Wednesday, 18 February 2015**

**Time: 12:00pm until 6:00 pm**

**Venue: Orange River Wine Cellars, Groblershoop**

To register as an I&AP and/or obtain more information please contact:

**Sasha Slogrove-Saayman / Tony Seef**  
**Public Participation Office:**  
**Golder Associates Africa (Pty) Ltd.**  
**PO Box 6001, Halfway House, 1685**  
**Tel: (011) 254 4966 / (011) 313 1158; Fax: 086 582 1561**  
**E-mail: [ssaayman@golder.co.za](mailto:ssaayman@golder.co.za) / [tseef@golder.co.za](mailto:tseef@golder.co.za)**



**OMGEWINGSINVLOEDBEPALING EN OMGEWINGSBESTUURPLAN VIR DIE VOORGESTELDE  
BOKPOORT II SONKRAG ONTWIKKELING OP DIE OORBLYWENDE GEDEELTE VAN DIE  
PLAAS BOKPOORT 390 NABY GROBLERSHOOP, !KHEIS PLAASLIKE MUNISIPALITEIT,  
NOORD KAAP**

**KONSEP BESTEKOPNAMEVERSLAG IS BESIKBAAR VIR KOMMENTAAR**

**Uitnodiging om as 'n belanghebbende te registreer en 'n inligtingsvergadering by te woon**  
**DOS Verwysing nommers:**

PV1	14/12/16/3/3/2/802
PV2	14/12/16/3/3/2/803
PV3	14/12/16/3/3/2/804
PV4	14/12/16/3/3/2/805
CSP Trough 1 / Tower 1	14/12/16/3/3/2/800
CSP Trough 2 / Tower 2	14/12/16/3/3/2/801

ACWA Power Africa Holdings (Edms) Bpk beplan om 'n sonkragaanleg (Bokpoort II) op die noord-oostelike gedeelte van die oorblywende deel van die plaas Bokpoort 390, 20km noord-wes van Groblershoop, in die !Kheis plaaslike munisipale gebied, ZF Mgcau Munisipale Distrik, Noord-Kaap Provinsie, te ontwikkel. Die ontwikkeling sal aansluit by die 75 MW CSP paraboliese trogontwikkeling op die suid-westelike gedeelte van die plaas Bokpoort 390.

ACWA oorweeg tans twee verskillende tegnologiese prosesse vir die opwekking van sonkrag op die terrein. Slegs een proses, of 'n samestelling van die twee, sal uiteindelik opgerig word.

Die totale kragopwekkingspotensiaal van die Bokpoort II sonkragaanleg sal 500 MW wees. Soos bepaal deur die Nasionale Omgewingsbestuurswet (Wet 107 of 1998) (NEMA), is Golder Associates Africa (Edms) Beperk (Golder) deur ACWA as die Omgewingsbepalingspraktisyn aangestel om die magtigingsproses vir die voorgestelde ontwikkeling te hanteer.

**UITNODIGING OM KOMMENTAAR TE LEWER**

Belanghebbendes word uitgenooi om te registreer en aan die OIB proses deel te neem deur:

- kommentaar te lewer op die Konsep Bestekopnameverslag
- kwessies te identifiseer en voorstelle vir verbeterde voordele te lewer.

Die Konsep Bestekopnameverslag sal beskikbaar wees vir openbare besigtiging en kommentaar vanaf **Woensdag, 28 Januarie 2015 tot Vrydag, 27 Februarie 2015**. Die verslag sal beskikbaar wees by die volgende openbare plekke asook op die webtuiste: [www.golder.com/public](http://www.golder.com/public)

Naam van openbare plek	Kontakpersoon	Adres	Kontaknommer
!Kheis Plaaslike Munisipaliteit Kliniek	Aletta Strauss	212 Maritz Straat, Groblershoop	054 833 0231
!Kheis Openbare Biblioteek	Matilda Mathupi	97 Orange Straat, Groblershoop	054 833 9500
Golder Associates Africa	Sasha Slogrove-Saayman	Building 1, Golder House, Maxwell Office Park, Midrand	01 254 4966

**UITNODIGING NA 'N OPENBARE INLIGTINGSVERGADERING**

Belanghebbendes word uitgenooi om 'n inligtingsvergadering by te woon, op:

**Datum: Woensdag, 18 Februarie 2015**

**Tyd: 12:00 vm tot 6:00 nm**

**Plek: Oranje Rivier Wynkelders, Groblershoop**

Om te registreer as 'n belanghebbende en meer inligting te bekom, kontak asseblief:

**Sasha Slogrove-Saayman / Tony Seef**

**Kantoor vir Openbare Deelname**

**Golder Associates Africa (Edms) Bpk**

**Posbus 6001, Halfway House, 1685**

**Tel: (011) 254 4966/ (011) 313 1158; Fax: 086 582 1561**

**Email: [ssaayman@golder.co.za](mailto:ssaayman@golder.co.za) / [tseef@golder.co.za](mailto:tseef@golder.co.za)**



# PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT NEAR GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE

Site Notices at the Eskom sub station near Groblershoop.

Coordinates

28°44'22.47"S

21°59'50.80"E





# PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT NEAR GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE

Site Notices across of service road for the railway line.

Coordinates

28°42'23.94"S

22°01'43.11"E







## Site Notices (May 2016)



ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP, !KHEIS LOCAL MUNICIPALITY, NORTHERN CAPE

DRAFT EIA REPORTS AVAILABLE FOR PUBLIC COMMENT

Invitation to register as an Interested and Affected Part (I&AP) and to attend a public meeting

DEA Reference numbers:

150 MW Concentrated Solar Power tower	14/12/16/3/3/2/879
75 MW Photovoltaic Solar Development (PV1)	14/12/16/3/3/2/881
75 MW Photovoltaic Solar Development (PV2)	14/12/16/3/3/2/880

ACWA Power Africa Holdings (Pty) Ltd (ACWA Power) proposes to establish a solar facility (Bokpoort II) on the north-eastern portion of the Remaining Extent (RE) of the Farm Bokpoort 390, located 20 km northwest of Groblershoop town within the !Kheis Local Municipality in the ZF Mgcawu District Municipality, Northern Cape Province. The total Bokpoort II project area designated for the proposed development is approximately 1 500 ha.

The project development includes three applications, as follows:

- 1 x 150 MW Concentrated Solar Power (CSP) tower, and
- 2 x 75 MW Photovoltaic (PV) solar installations (as separate applications).

The Bokpoort II project will include different types of solar power technologies and associated infrastructure clearly described in the Draft Environmental Impact Assessment (EIA) Reports that are available for public review and comment as follows:

- Draft Scoping Report: Proposed 150 MW CSP Tower Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape;
- Draft EIA Report: Proposed 75 MW Photovoltaic (PV1) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape; and
- Draft EIA Report: Proposed 75 MW Photovoltaic (PV2) Solar Development on the Remaining Extent of Farm Bokpoort 390, Northern Cape.

PUBLIC COMMENT INVITED

Stakeholders are invited to register as I&APs and to participate in the EIA process by commenting on the findings of the environmental specialist studies and proposed mitigation measures presented in the Draft EIA Reports; as well as the environmental management plans.

The Draft EIA Reports will be available for comment for a period of 30 days from **Friday 27 May 2016 to Monday 27 June 2016**. The report will be available at the public places listed below and also on the following website: [www.golder.com/public](http://www.golder.com/public).

Public Place	Locality	Contact Person	Telephone
!Kheis Local Municipal Clinic	Groblershoop	Aletta Strauss	054 833 0231
!Kheis Public Library	Groblershoop	Matilda Mathupi	054 833 9500
Orange River Cellars*	Between Groblershoop and Upington	Petra Smit	054 833 0108
Golder Associates Africa	Midrand	Marié Schlechter	011 254 4800

\* Copies of the report will be available on CD for collection.

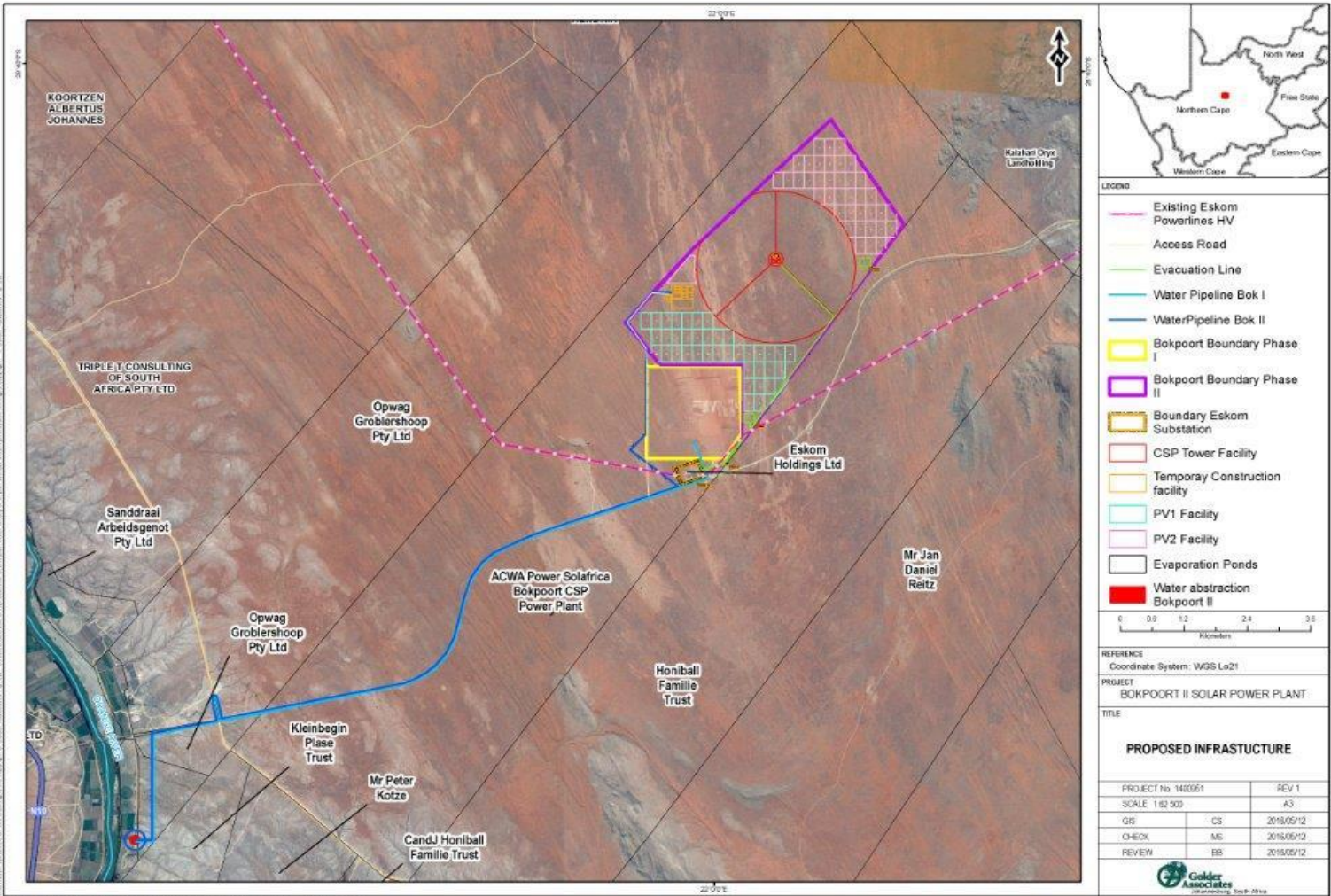
INVITATION TO A PUBLIC MEETING

Stakeholders are cordially invited to attend a public meeting that will be held on:

**Date:** Tuesday, 14 June 2016  
**Time:** 10:00am until 12:00 pm  
**Venue:** Orange River Wine Cellars, Groblershoop

I&APs can register and/or comment online via the Golder website: [www.golder.com/public](http://www.golder.com/public). For more information please contact:

Marié Schlechter / Antoinette Pietersen  
Public Participation Office:  
Golder Associates Africa (Pty) Ltd.  
PO Box 6001, Halfway House, 1685  
Tel: (011) 254 4800 / Fax: 086 582 1561  
E-mail:  
[PPoffice@golder.co.za](mailto:PPoffice@golder.co.za)



Site Notice: Mav 2016



**OMGEWINGSIMPAKBEPALING VAN DIE VOORGESTELDE BOKPOORT II SONKRAG ONTWIKKELING OP DIE RESTANT VAN DIE PLAAS BOKPOORT 390 NABY GROBLERSHOOP, !KHEIS PLAASLIKE MUNISIPALITEIT, NOORD KAAP**  
**KONSEP OMGEWINGSIMPAKBEPALINGSVERSLAE IS BESIKBAAR VIR OPENBARE KOMMENTAAR**

**Uitnodiging om as 'n geïnteresseerde en belanghebbende te registreer en 'n openbare vergadering by te woon**

**DOS Verwysingsnommers:**

150 MW Gekonsentreerde Sonkragtoring	14/12/16/3/3/2/879
75 MW Fotovoltaïese Sonkraginstallasie (FV1)	14/12/16/3/3/2/881
75 MW Fotovoltaïese Sonkraginstallasie (FV2)	14/12/16/3/3/2/880

ACWA Power Africa Holdings (Edms) Bpk beplan om 'n sonkragaanleg (Bokpoort II) op die noord-oostelike gedeelte van die restant van die plaas Bokpoort 390, 20km noord-wes van Groblershoop, in die !Kheis plaaslike munisipale gebied, ZF Mgcawu Munisipale Distrik, Noord-Kaap Provinsie, te ontwikkel. Die totale Bokpoort II projekarea wat vir die voorgestelde ontwikkeling beoog word, beslaan ongeveer 1 500 hektaar.

Die ontwikkeling behels drie aansoeke, soos volg:

- 1 x 150 MW Gekonsentreerde Sonkragtoring, en
- 2 x 75 MW Fotovoltaïese (FV) Sonkraginstallasies (as aparte aansoeke).

Die Bokpoort II projek sal verskillende soorte sonkrag tegnologieë en geassosieerde infrastruktuur aanwend wat duidelik beskryf word in die Konsep Omgewingsimpakbepalingsverslae (OIB) wat beskikbaar is vir openbare hersiening en kommentaar:

- Konsep OIB Verslag: Voorgestelde 150 MW Gekonsentreerde Sonkragtoringontwikkeling op die restant van die plaas Bokpoort 390, Noord Kaap;
- Konsep OIB Verslag: Voorgestelde 75 MW Fotovoltaïese (FV1) Sonkraginstallasie op die restant van die plaas Bokpoort 390, Noord Kaap; en
- Konsep OIB Verslag: Voorgestelde 75 MW Fotovoltaïese (FV2) Sonkraginstallasie op die restant van die plaas Bokpoort 390, Noord Kaap.

**OPENBARE UITNODIGING OM KOMMENTAAR TE LEWER**

Belanghebbendes word uitgenooi om as geïnteresseerde en belanghebbendes te registreer en om aan die OIB proses deel te neem deur kommentaar te lewer op die bevindinge van die omgewingsspesialisstudies, die voorgestelde versagtingsmaatreëls en die omgewingsbestuursplanne wat deur die Konsep OIB verslae uiteengesit word.

Die Konsep OIB verslae sal beskikbaar wees vir 'n kommentaarperiode van 30 dae, vanaf **Vrydag 27 Mei 2016 tot en met Maandag 27 Junie 2016**. Die verslae sal beskikbaar wees by die openbare plekke soos hieronder gelys asook op die volgende webwerf: [www.golder.com/public](http://www.golder.com/public).

Openbare Plek	Ligging	Kontakpersoon	Telefoon
!Kheis Plaaslike Munisipale Kliniek	Groblershoop	Aletta Strauss	054 833 0231
!Kheis Openbare Biblioteek	Groblershoop	Matilda Mathupi	054 833 9500
Oranjerivier Kelders*	Tussen Groblershoop en Upington	Petra Smit	054 833 0108
Golder Associates Africa	Midrand	Marié Schlechter	011 254 4800

\* Kopieë van die verslae sal op CDs beskikbaar wees wat deur die publiek afgehaal kan word.

**UITNODIGING NA 'N OPENBARE VERGADERING**

Belanghebbendes word vriendelik uitgenooi om 'n openbare vergadering by te woon, op:

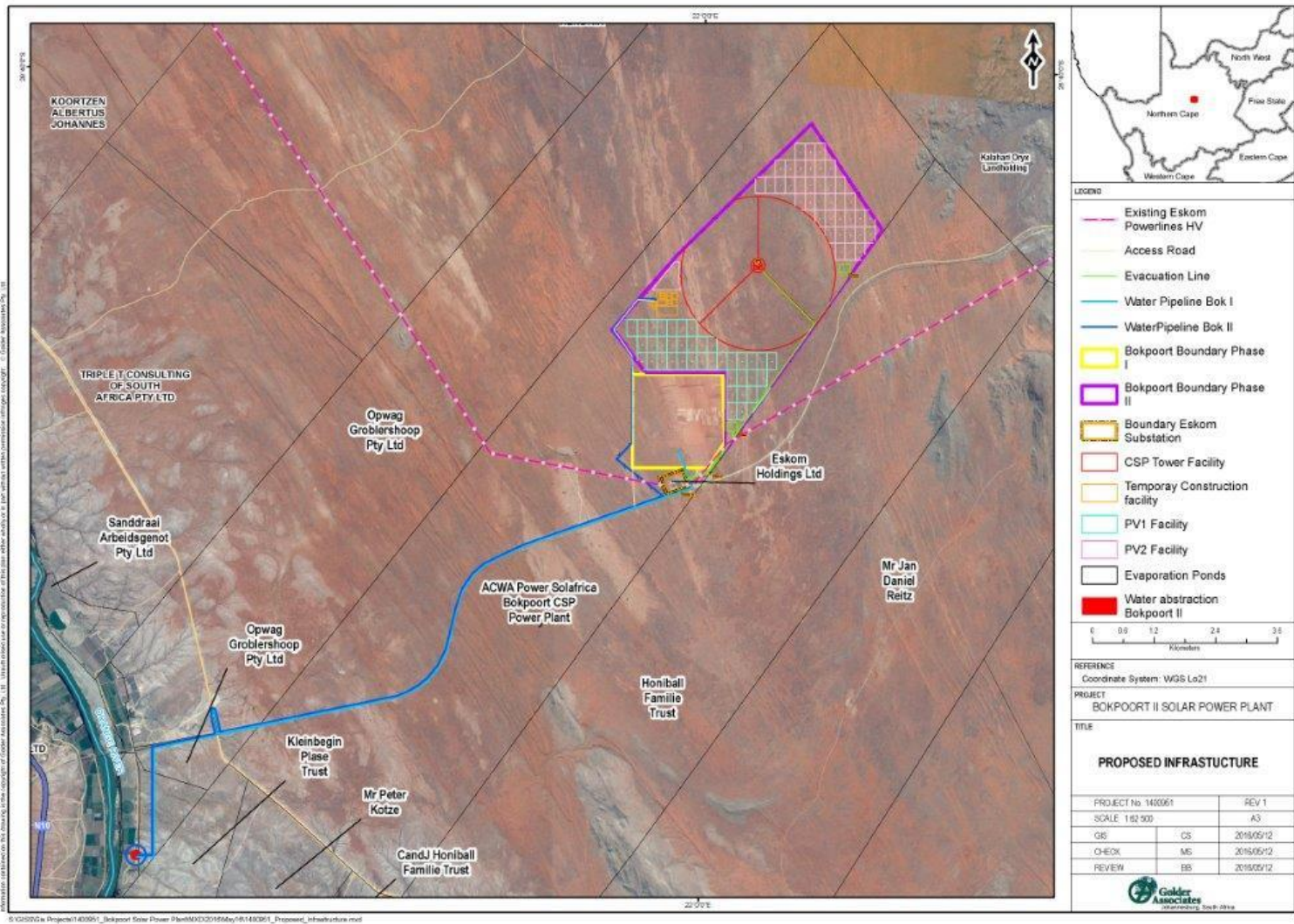
**Datum: Dinsdag, 14 June 2016**

**Tyd: 10:00 vm tot 12:00 nm**

**Plek: Oranjerivier Wynkelders, Groblershoop**

Geïnteresseerde en belanghebbende partye kan registreer en/of kommentaar lewer dmv die Golder webwerf: [www.golder.com/public](http://www.golder.com/public). Vir meer inligting, kontak asseblief:

**Marié Schlechter / Antoinette Pietersen**  
**Openbare Deelname Kantoor:**  
**Golder Associates Africa (Pty) Ltd.**  
**Bus 6001, Halfweg Huis, 1685**  
**Tel: (011) 254 4800 / Faks: 086 582 1561**  
**E-pos: [PPoffice@golder.co.za](mailto:PPoffice@golder.co.za)**



**Datum: Mei 2016**

## Open House Attendance Register (18 February 2015)





## List of Attendees – Open House

### ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS FOR THE PROPOSED BOKPOORT II SOLAR POWER DEVELOPMENT ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP, NORTHERN CAPE

Name	Company	City
Bouwer, Ockert	!Kheis Riverside Lodge	GROBLERSHOOP
Cheesian, Michael	Private	
Fourie, Wilco	Sand Draai Farm	GROBLERSHOOP
Howell, Poppie	Private	GROBLERSHOOP
Klaas, Gloria	Private	GROBLERSHOOP
Kotze, Johannes	Private	GROBLERSHOOP
Kotze, Louis	Gariep Farmers Union	GROOTDRINK
Kotze, Peter	Boegoeberg Water Users Association	GROBLERSHOOP
Kruger, Andre	Boegoeberg Water Association	GROBLERSHOOP
Kuhn, Jannie	Private	GROBLERSHOOP
Lombard, Jean	Boegoeberg Water Use Association	GROBLERSHOOP
Maritz, Johan	Oryx Management Services Pty Ltd	UPINGTON
Nortje, Dirk	Private	GROBLERSHOOP
Rathanya, Lusani	ACWA Power Africa Holdings	SANDTON
Rupping, Frikkie	ZF MCGAWU District Municipality	UPINGTON
Slogrove-Saayman, Sasha	Golder Associates Africa	PRETORIA
van Eck, Stephanus	!Kheis Local Municipality	GROBLERSHOOP
van Zyl, Stephan	Boegoeberg Water Use Association	GROBLERSHOOP
Weiderman, Mariette	Golder Associates Africa	HALFWAY HOUSE
Williams, Julian	Department of Social Development	GROBLERSHOOP

## Comments Received from the Department of Environmental Affairs



## **environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001· Environment House · 473 Steve Biko Road · Arcadia · PRETORIA  
Tel (+ 27 12) 399 9372

**DEA Reference:** 14/12/16/3/3/2/880

**Enquiries:** Mr Mahlatse Shubane

**Telephone:** (012) 399 9417 **E-mail:** Mshubane@environment.gov.za

Ms Marie Schlechter  
Golder Associates Africa (Pty) Limited  
PO Box 6001  
**HALFWAY HOUSE**  
1685

Telephone Number: (011) 254 4800  
Email: mschlechter@golder.co.za

### **PER EMAIL / MAIL**

Dear Ms Schlechter

#### **ACCEPTANCE OF THE SCOPING REPORT FOR THE PROPOSED BOKPOORT II 75 MEGAWATT (MW) PHOTOVOLTAIC DEVELOPMENT (PV2) ON THE REMAINING EXTENT OF THE FARM BOKPOORT 390 NEAR GROBLERSHOOP WITHIN !KHEIS LOCAL MUNICIPALITY IN THE NORTHERN CAPE PROVINCE**

The Scoping Report (SR) and Plan of Study for Environmental Impact Assessment (PoSEIA) dated February 2016 and received by this Department on 18 February 2016 refer.

This Department has evaluated the submitted SR and the PoSEIA dated February 2016 and is satisfied that the documents comply with the minimum requirements of the Environmental Impact Assessment (EIA) Regulations, 2014. The SR is hereby accepted by the Department in terms of Regulation 22 (a) of the EIA Regulations, 2014.

All comments and recommendations made by all stakeholders and Interested and Affected Parties (I&APs) in the draft SR and submitted as part of the SR must be taken into consideration when preparing an Environmental Impact Assessment report (EIAR) in respect of the proposed development. Please ensure that all mitigation measures and recommendations in the specialist studies are addressed and included in the final EIAR and Environmental Management Programme (EMPr).

Please ensure that comments from all relevant stakeholders are submitted to the Department with the final EIAR. This includes but is not limited to the Northern Cape Department of Environment and Nature Conservation, the provincial Department of Agriculture, the South African Civil Aviation Authority (SACAA), the Department of Transport, the Local Municipality, the District Municipality, the Department of Water and Sanitation (DWS), the Department of Communications, Eskom Holdings SOC Limited, the South African National Roads Agency Limited (SANRAL), the South African Heritage Resources Agency (SAHRA), the Endangered Wildlife Trust (EWT), BirdLife SA, the Department of Mineral Resources, the Department of Rural Development and Land Reform and the Department of Environmental Affairs: Directorate Biodiversity and Conservation and the Square Kilometre Array (SKA).

Please be advised that the contact person for renewable projects at the SKA office is Dr Adrian Tiplady and he can be contacted on Tel: (011) 442 2434 or E-mail: atiplady@ska.ac.za.

Please ensure that the EIAr and EMPr comply with Appendix 3 and Appendix 4 of the EIA Regulations, 2014, before submission to the Department. You are also required to address all issues raised by organs of state and I&APs prior to the submission of the EIAr to the Department.

Proof of correspondence with the various stakeholders must be included in the EIAr. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments.

In addition, the following information is required for the EIAr:

- i. This Department advises that the applied listed activities and their relevant issues be addressed and assessed in the EIAr.
- ii. GN R.983 Item 19: With regards to infilling and excavation of watercourses for the construction of the photovoltaic (PV) Energy facility, this Department requires the applicant to provide an indication of the preferred and alternate locations from which the material used for infilling will be sourced and where excavated material will be stored and/or disposed of. In addition, the impacts associated with this activity must be adequately assessed in the EIAr.
- iii. The draft EIAr must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for.
- iv. The assessment of environmental impacts must be specific to the proposed PV facility, rather than a Concentrated Solar Power (CSP), which has been applied for and considered under a separate application.
- v. The listed activities represented in the draft EIAr and the application form must be the same and correct.
- vi. Just to reiterate, please ensure that all relevant listing notice activities applied for, are specific and that it can be linked to the development activity or infrastructure as described in the project description.
- vii. The relevant provincial authority must be engaged with regards to development in geographic areas triggering activities in GNR 985. In addition, a graphical representation of the proposed development within the respective geographical areas must be provided.
- viii. In addition, while the application form lists the following listed activities as being triggered by the proposed development GN. No. R985, Activity 18, it is not clear how the proposed development triggers the abovementioned listed activities. For instance, the geographical area based on environmental attributes is not mentioned. As such, the geographical area based on environmental attributes must be provided in order to determine the applicability of the aforementioned listed activity.
- ix. It is noted the storage of dangerous goods will not exceed a combined capacity of 500 cubic metres. You are requested to provide the exact capacity of dangerous goods storage.
- x. Should there be a need to amend the application form, please note that the Department's application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.
- xi. You are further reminded to provide a description of any identified alternatives for the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity. Alternatively, submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist.
- xii. The proposed development will include a new power line. However, the length of the power line and alternatives considered/assessed are not reported in the final Scoping Report and alternatives of the proposed. Therefore, submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist for the proposed power line. Just to reiterate, you are requested to provide the Department with a detailed motivation as to why only one site alternative was considered.
- xiii. It is imperative that the relevant authorities are continuously involved throughout the EIAr process.
- xiv. The EIAr must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for.

- xv. All specialist studies submitted with the Scoping Report must form part of the EIAr and must be current, consider cumulative impacts, be relevant to the development and comply with Appendix 6 of the EIA Regulation 2014.
- xvi. This Department requires comments from the Department of Agriculture to be included in the EIAr.
- xvii. An Avifaunal Assessment must be conducted as part of the EIAr. The terms of reference for the study must include, *inter alia* the following:
  - Determine the impacts that the proposed activity (including the powerline) may have on avifauna;
  - Must cover at a minimum the summer and winter seasons;
  - The assessment must include mitigation measures to discourage the avifauna from entering the solar field as well and limit nesting and breeding grounds within the solar field.
  - The avifaunal specialist study must be expanded to include vantage point surveys as well as flight paths to consider how birds will move through the property. The study must also propose adequate mitigation measures to reduce the facilities impacts on avifauna frequenting the area.
  - Assess the cumulative impact on avifauna within the site and within the local area.
- xviii. The terms of reference for the Soils, Land use and Land capability Assessment must also include, *inter alia* the following:
  - Assessment of the loss of agricultural land;
  - The current state of agricultural activities on land;
  - The impact of the loss of agricultural land within the property as well as the cumulative impact of the loss of agricultural land on the site and within the area
- xix. It is noted that certain specialist studies from the previously authorised Bokpoort I Concentrated Solar Power (CSP) Facility will be used for this application. These specialist studies must be updated and supported by professional opinion.
- xx. It is further noted that the specialist studies included in the final Scoping Report only refer to the CSP facility rather than photovoltaic (PV) facility. This Department is of the view that all these specialist studies are not relevant to the proposed PV facility, but relevant to the CSP technology. You are requested to assess the impacts identified during scoping phase in the EIA phase.
- xxi. Should in-house specialists be used for any specialist study, the specialist study must be peer reviewed by external specialists.
- xxii. The specialist studies conducted must be specific to a PV facility and must assess cumulative impacts of other Renewable Energy projects in the area.
- xxiii. A new advert must be placed, which represents the correct application reference number.
- xxiv. A new site notice board must be placed indicating the correct reference number.
- xxv. All correspondences and documents submitted to I&AP's must indicate the correct reference number.
- xxvi. It is drawn to your attention, that the EAP failed to adequately and fully address all the concerns raised by this Department in the Draft SR within the Final SR.
- xxvii. The EIAr must provide the technical details for the proposed facility in a table format as well as their description and/or dimensions. A sample of the minimum information required is listed under point 2 of the EIA information required for solar energy facility below.
- xxviii. The EIAr must provide the four corner's coordinates for the proposed development site (note that if the site have numerous bend points, each and every bend point coordinates must be provided) as well as the start, middle and end point of all linear activities.
- xxix. The EIAr must provide the following:
  - Clear indication of the envisioned area for the proposed solar facility; i.e. placing of PV arrays and all associated infrastructure should be mapped at an appropriate scale.
  - Clear description of all associated infrastructure. This description must include, but not limited to the following:
    - Power lines;
    - Internal roads infrastructure; and;
    - All supporting onsite infrastructure such as laydown area, guard house and control room etc.
- xxx. The EIAr must provide an indication of the location of the solar facility in respect to the location of other energy facilities and its associated infrastructure.

- xxxi. The EIAr must provide detailed need and desirability as to why there is a need for the development and why the specific location is desirable.
- xxxii. The EIAr must provide an indication of the internal access roads and the impacts associated with them must be adequately assessed in the EIAr and EMPr.
- xxxiii. The inclusion of all received comments and response thereto in the comments and response report.
- xxxiv. Information on services required on the site, e.g. sewage, refuse removal, water and electricity. Who will supply these services and has an agreement and confirmation of capacity been obtained? Proof of these agreements must be provided.
- xxxv. The EIAr must provide a layout which depicts the entire facility, i.e. the solar and grid connection infrastructure.
- xxxvi. The assessment of impacts and the Environmental Impact Assessment process; and, the requirements of the Public Participation Process (PPP) must be in accordance with Regulation 39 to 44 of the GN R982 of EIA Regulations 2014.
- xxxvii. A copy of the final site layout map. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:
  - Positions of PV arrays and its associated infrastructure;
  - Permanent laydown area footprint;
  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible);
  - Wetlands, drainage lines, rivers, stream and water crossing of roads and cables indicating the type of bridging structures that will be used;
  - The location of sensitive environmental features on site e.g. CBAs, heritage sites, wetlands, drainage lines etc. that will be affected by the facility and its associated infrastructure;
  - Substation(s) and/or transformer(s) sites including their entire footprint;
  - Connection routes (including pylon positions) to the distribution/transmission network;
  - All existing infrastructure on the site, especially roads;
  - Buffer areas;
  - Buildings, including accommodation; and,
  - All "no-go" areas.
- xxxviii. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- xxxix. A map combining the final layout map superimposed (overlain) on the environmental sensitivity map.
- xl. A shapefile of the preferred development layout/footprint must be submitted to this Department. The shapefile must be created using the Hartebeesthoek 94 Datum and the data should be in Decimal Degree Format using the WGS 84 Spheroid. The shapefile must include at a minimum the following extensions i.e. .shp; .shx; .dbf; .prj; and, .xml (Metadata file). If specific symbology was assigned to the file, then the .avl and/or the .lyr file must also be included. Data must be mapped at a scale of 1:10 000 (please specify if an alternative scale was used). The metadata must include a description of the base data used for digitizing.

The shapefile must be submitted in a zip file using the EIA application reference number as the title. The shape file must be submitted to:

**Postal Address:**

Department of Environmental Affairs  
Private Bag X447  
Pretoria  
0001

**Physical address:**



Department of Environmental Affairs  
Environment House  
473 Steve Biko,  
Arcadia,  
Pretoria

For Attention: Muhammad Essop  
Integrated Environmental Authorisations  
Strategic Infrastructure Developments  
Telephone Number: (012) 399 9406  
Email Address: MEssop@environment.gov.za

The EMPr to be submitted with the EIAr must include the following:

- i. All recommendations and mitigation measures recorded in the EIAr and the specialist studies conducted.
- ii. The final site layout map.
- iii. Measures as dictated by the final site layout map and micro-siting.
- iv. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- v. A map combining the final layout map superimposed (overlain) on the environmental sensitivity map.
- vi. An alien invasive management plan to be implemented during construction and operation of the facility. The plan must include mitigation measures to reduce the invasion of alien species and ensure that the continuous monitoring and removal of alien species is undertaken.
- vii. A plant rescue and protection plan which allows for the maximum transplant of conservation important species from areas to be transformed. This plan must be compiled by a vegetation specialist familiar with the site and be implemented prior to commencement of the construction phase.
- viii. A re-vegetation and habitat rehabilitation plan to be implemented during the construction and operation of the facility. Restoration must be undertaken as soon as possible after completion of construction activities to reduce the amount of habitat converted at any one time and to speed up the recovery to natural habitats.
- ix. An open space management plan to be implemented during the construction and operation of the facility.
- x. A traffic management plan for the site access roads to ensure that no hazards would result from the increased truck traffic and that traffic flow would not be adversely impacted. This plan must include measures to minimize impacts on local commuters e.g. limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time and avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
- xi. A transportation plan for the transport of components and other large pieces of equipment.
- xii. A storm water management plan to be implemented during the construction and operation of the facility. The plan must ensure compliance with applicable regulations and prevent off-site migration of contaminated storm water or increased soil erosion. The plan must include the construction of appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
- xiii. A fire management plan to be implemented during the construction and operation of the facility.
- xiv. An erosion management plan for monitoring and rehabilitating erosion events associated with the facility. Appropriate erosion mitigation must form part of this plan to prevent and reduce the risk of any potential erosion.
- xv. An effective monitoring system to detect any leakage or spillage of all hazardous substances during their transportation, handling, use and storage. This must include precautionary measures to limit the possibility of oil and other toxic liquids from entering the soil or storm water systems.
- xvi. Measures to protect hydrological features such as streams, rivers, pans, wetlands, dams and their catchments, and other environmental sensitive areas from construction impacts including the direct or indirect spillage of pollutants.

The EAP must provide detailed motivation if any of the above requirements is not required by the proposed development and not included in the EMPr.

The EIAr must include a **cumulative impact assessment** of the facility since there are other similar facilities in the region. The specialist studies e.g. biodiversity, visual, noise etc. must also assess the facility in terms of potential cumulative impacts.

You are hereby reminded that should the EIAr fail to comply with the requirements of this acceptance letter, and Appendix 3 and 4 of the EIA Regulations, 2014, the project will be **refused** in accordance with Regulation 24(1)(b) of the EIA Regulations, 2014.

The applicant is hereby reminded to comply with the requirements of Regulation 45 with regard to the time period allowed for complying with the requirements of the Regulations, and Regulations 43 and 44 with regard to the allowance of a comment period for interested and affected parties on all reports submitted to the competent authority for decision-making.

In addition to the above, the Department may undertake a site inspection prior to or upon receipt of the final EIAr.

Furthermore, it must be reiterated that, should an application for Environmental Authorisation be subject to the provisions of Chapter II, Section 38 of the National Heritage Resources Act, Act 25 of 1999, then this Department will not be able to make nor issue a decision in terms of your application for Environmental Authorisation pending a letter from the pertinent heritage authority categorically stating that the application fulfils the requirements of the relevant heritage resources authority as described in Chapter II, Section 38(8) of the National Heritage Resources Act, Act 25 of 1999. Comments from SAHRA and/or the provincial department of heritage must be provided in the EIAr.

You are requested to submit two (2) electronic copies (CD/DVD and two (2) hard copies of the Environmental Impact Report (EIAr) to the Department. Please also find attached information that must be used in the preparation of the Environmental Impact Report. This will enable the Department to speedily review the EIAr and make a decision on the application.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours faithfully



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Letter Signed by: Mr Muhammad Essop**

**Designation: Deputy Director (Acting): Strategic Infrastructure Developments**

**Date:** 23/03/2016

cc:	Prabashen Govender	ACWA Power Africa Holdings (Pty) Ltd	Email: pgovender@acwapower.com
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## **A. EIA INFORMATION REQUIRED FOR SOLAR ENERGY FACILITIES**

### **1. General site information**

The following general site information is required:

- Descriptions of all affected farm portions
- 21 digit Surveyor General codes of all affected farm portions
- Copies of deeds of all affected farm portions
- Photos of areas that give a visual perspective of all parts of the site
- Photographs from sensitive visual receptors (tourism routes, tourism facilities, etc.)
- Solar plant design specifications including:
  - Type of technology
  - Structure height
  - Surface area to be covered (including associated infrastructure such as roads)
  - Structure orientation
  - Laydown area dimensions (construction period and thereafter)
  - Generation capacity
- Generation capacity of the facility as a whole at delivery points

This information must be indicated on the first page of the EIAr. It is also advised that it be double checked as there are too many mistakes in the applications that have been received that take too much time from authorities to correct.

### **2. Sample of technical details for the proposed facility**

<b>Component</b>	<b>Description / dimensions</b>
Height of PV panels	
Area of PV Array	
Number of inverters required	
Area occupied by inverter / transformer stations / substations	
Capacity of on-site substation	
Area occupied by both permanent and construction laydown areas	
Area occupied by buildings	
Length of internal roads	
Width of internal roads	
Proximity to grid connection	
Height of fencing	
Type of fencing	

### **3. Site maps and GIS information**

Site maps and GIS information should include at least the following:

- All maps/information layers must also be provided in ESRI Shapefile format
- All affected farm portions must be indicated
- The exact site of the application must be indicated (the areas that will be occupied by the application)
- A status quo map/layer must be provided that includes the following:
  - Current use of land on the site including:
    - Buildings and other structures

- Agricultural fields
- Grazing areas
- Natural vegetation areas (natural veld not cultivated for the preceding 10 years) with an indication of the vegetation quality as well as fine scale mapping in respect of Critical Biodiversity Areas and Ecological Support Areas
  - Critically endangered and endangered vegetation areas that occur on the site
  - Bare areas which may be susceptible to soil erosion
  - Cultural historical sites and elements
- Rivers, streams and water courses
- Ridgelines and 20m continuous contours with height references in the GIS database
- Fountains, boreholes, dams (in-stream as well as off-stream) and reservoirs
- High potential agricultural areas as defined by the Department of Agriculture, Forestry and Fisheries
- Buffer zones (also where it is dictated by elements outside the site):
  - 500m from any irrigated agricultural land
  - 1km from residential areas
- Indicate isolated residential, tourism facilities on or within 1km of the site
- A slope analysis map/layer that include the following slope ranges:
  - Less than 8% slope (preferred areas for PV and infrastructure)
  - between 8% and 12% slope (potentially sensitive to PV and infrastructure)
  - between 12% and 14% slope (highly sensitive to PV and infrastructure)
  - steeper than 18 % slope (unsuitable for PV and infrastructure)
- A site development proposal map(s)/layer(s) that indicate:
  - Foundation footprint
  - Permanent laydown area footprint
  - Construction period laydown footprint
  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible)
  - River, stream and water crossing of roads and cables indicating the type of bridging structures that will be used
  - Substation(s) and/or transformer(s) sites including their entire footprint.
  - Cable routes and trench dimensions (where they are not along internal roads)
  - Connection routes to the distribution/transmission network (the connection must form part of the EIA even if the construction and maintenance thereof will be done by another entity such as ESKOM)
  - Cut and fill areas at PV sites along roads and at substation/transformer sites indicating the expected volume of each cut and fill
  - Borrow pits
  - Spoil heaps (temporary for topsoil and subsoil and permanently for excess material)
  - Buildings including accommodation

With the above information authorities will be able to assess the strategic and site impacts of the application.

#### 4. Regional map and GIS information

The regional map and GIS information should include at least the following:

- All maps/information layers must also be provided in ESRI Shapefile format
- The map/layer must cover an area of 20km around the site
- Indicate the following:
  - roads including their types (tarred or gravel) and category (national, provincial, local or private)

- Railway lines and stations
- Industrial areas
- Harbours and airports
- Electricity transmission and distribution lines and substations
- Pipelines
- Waters sources to be utilised during the construction and operational phases
- A visibility assessment of the areas from where the facility will be visible
- Critical Biodiversity Areas and Ecological Support Areas
- Critically Endangered and Endangered vegetation areas
- Agricultural fields
- Irrigated areas
- An indication of new road or changes and upgrades that must be done to existing roads in order to get equipment onto the site including cut and fill areas and crossings of rivers and streams

## 5. Important stakeholders

Amongst other important stakeholders, comments from the National Department of Agriculture, Forestry and Fisheries must be obtained and submitted to the Department. Any application, documentation, notification etc. should be forwarded to the following officials:

Ms Mashudu Marubini  
 Delegate of the Minister (Act 70 of 1970)  
 E-mail: MashuduMa@daff.gov.za  
 Tel 012- 319 7619

Ms Thoko Buthelezi  
 AgriLand Liaison office  
 E-mail: ThokoB@daff.gov.za  
 Tel 012- 319 7634

All hardcopy applications / documentation should be forwarded to the following address:

Physical address:  
 Delpen Building  
 Cnr Annie Botha and Union Street  
 Office 270  
 Attention: Delegate of the Minister Act 70 of 1970

Postal Address:  
 Department of Agriculture, Forestry and Fisheries  
 Private Bag X120  
 Pretoria  
 0001  
 Attention: Delegate of the Minister Act 70 of 1970

In addition, comments must be requested from Eskom regarding grid connectivity and capacity. Request for comment must be submitted to:

Mr John Geeringh  
 Eskom Transmission  
 Megawatt Park D1Y38  
 PO Box 1091

**JOHANNESBURG**  
**2000**

Tel: 011 516 7233  
Fax: 086 661 4064  
John.geeringh@eskom.co.za

**B. AGRICULTURE STUDY REQUIREMENTS**

- Detailed soil assessment of the site in question, incorporating a radius of 50 m surrounding the site, on a scale of 1:10 000 or finer. The soil assessment should include the following:
  - Identification of the soil forms present on site
  - The size of the area where a particular soil form is found
  - GPS readings of soil survey points
  - The depth of the soil at each survey point
  - Soil colour
  - Limiting factors
  - Clay content
  - Slope of the site
  - A detailed map indicating the locality of the soil forms within the specified area,
  - Size of the site
- Exact locality of the site
- Current activities on the site, developments, buildings
- Surrounding developments / land uses and activities in a radius of 500 m of the site
- Access routes and the condition thereof
- Current status of the land (including erosion, vegetation and a degradation assessment)
- Possible land use options for the site
- Water availability, source and quality (if available)
- Detailed descriptions of why agriculture should or should not be the land use of choice
- Impact of the change of land use on the surrounding area
- A shape file containing the soil forms and relevant attribute data as depicted on the map.

**C. ASTRONOMY GEOGRAPHIC ADVANTAGE ACT, 2007 (ACT NO. 21 OF 2007)**

The purpose of the Act is to preserve the geographic advantage areas that attract investment in astronomy. The entire Northern Cape Province excluding the Sol Plaatje Municipality had been declared an astronomy advantage area. The Northern Cape optical and radio telescope sites were declared core astronomy advantage areas. The Act allowed for the declaration of the Southern Africa Large Telescope (SALT), MeerKAT and Square Kilometre Array (SKA) as astronomy and related scientific endeavours that had to be protected.

You are requested to indicate the applicability of the Astronomy Geographic Advantage Act, Act No. 21 of 2007 on the application in the EIAr. You must obtain comments from the Southern African Large Telescope (SALT) if the proposed development is situated within a declared astronomy advantage area.



## **Comments Received from Commenting Authorities (To be included in the Final EIA)**

## Comments Received from Stakeholders (To be included in the Final EIA)

## Comments and Response Report



May 2016

**ACWA POWER AFRICA HOLDINGS (PTY)  
LTD**

**Comment and Response  
Report for the Environmental  
Impact Assessment (EIA) for  
the proposed Bokpoort II 75  
Megawatt (MW) Photovoltaic  
Development (PV2) on the  
Remaining Extent of the Farm  
Bokpoort 390 near  
Groblershoop, Northern Cape**

**REPORT**



**Report Number:** 1400951





## Purpose of this document

This document records the issues of concern, suggestions for enhanced benefits and other comments contributed by stakeholders in response to the invitation to comment within the scoping phase of the Environmental Impact Assessment (EIA) for the proposed Bokpoort II Solar Power Development, located in the !Kheis Local Municipal Area in the Northern Cape Province.

These contributions were made in writing and also include issues raised during the Open House that took place on Wednesday, 18 February 2015 at the Orange River Wine Cellars, Groblershoop as well as comments received during subsequent comment periods. The comments have been categorised as follows:

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	COMMENT	COMMENTATOR	REFERENCE	RESPONSE
<b>1.0</b>	<b>TRAFFIC AND TRANSPORTATION INFRASTRUCTURE - SEE SECTIONS 8.1.13, 9.4.12, 10.1.9, 11.6 AND 11.11 OF THE EIA REPORT</b>			
1.1	Members of the Groblershoop community are concerned about the negligence of the construction workers and the numerous vehicles that use the road (Loop 16) to the Bokpoort site. The road to the site is a gravel road that is not in a very good condition. This road was not constructed to carry the amount of traffic it is currently carrying.	Mr Andre Kruger	Written comment received via email on 09 February 2015	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.2	The condition of the road (Loop 16) to Upington from site is in a state of neglect. The road to Groblershoop from site is in a better condition at the moment, but the surrounding landowners suspect it will degrade at a later stage.	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Email dated 10 February 2015	Thank you for your comment. A traffic impact study will be undertaken during the impact assessment phase of the EIA
1.3	The access road that is currently being used for Bokpoort I (Loop 16) is a challenge for road users. The applicant should ensure that the road is built up and resurfaced with gravel, as this road has lost its gravel layer and is down to the limestone base in some places. At present it does seem that steps are being taken to rectify the problem and stakeholders appreciate that.	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.4	Contractors from international countries used on the construction of Bokpoort I not only have difficulty with English but also with normal driving skills and road user etiquette. They have a no care attitude. A possible solution is that bad driving by contractors or staff, should be penalised harshly when reported to the applicant.	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House	Thank you for your comment. It has been brought to the attention of the applicant.
1.5	The access road (Loop 16) that is currently being used by contractors for the Bokpoort I project is not the road that has been authorised for use during	Mr Peter Kotze, Chairman of the Boegoeberg Water	Open House, 18 February	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when





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	construction, in accordance with the EIA/EMP for Bokpoort I. Clarity needs to be provided on how this occurrence will be prevented for Bokpoort II.	Users Association	2015	the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.6	The access road (Loop 16) that is being used by contractors for Bokpoort I is not being maintained as per the stipulations of the EMP for Bokpoort I. It needs to be clearly stated that stipulations in the EMP for Bokpoort II, will be adhered to. This is especially applicable to the maintenance of the road (i. e. Dust suppression four times a week, grading of 5 cm twice per week etc.) These requirements must be clearly stipulated in the EMP and adhered to. The mitigation measures need to be very specific, not like in the current EMP for Bokpoort I where the commitments are too broad and not specified in detail.	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Open House, 18 February 2015	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.7	Contractor agreements for all contractors of Bokpoort II must contain a clause that ensures that contractors are also bound by the stipulations of the EMP, failing which their contracts should be terminated. A Traffic Impact Assessment should be conducted during the Impact Assessment phase of the Bokpoort II EIA process.	Mr Mark Janick, on site manager for Bokpoort I	Open House, 18 February 2015	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.8	A Traffic Impact Assessment for Bokpoort II will provide clarification of the traffic volume and transgressions of road safety rules that have occurred in the last few months at Bokpoort I. However, construction is almost complete at Bokpoort I and thus the traffic has decreased and a Traffic Study might not present a true reflection of construction traffic.	Mr Dirk Nortje	Open House, 18 February 2015	Thank you for your comment. A traffic impact study will be undertaken during the impact assessment phase of the EIA .
1.9	Are any accident statistics available for the Loop 16 road?	Mr Andre Kruger	Open House, 18 February	Mr Mark Janick (site manager of Bokpoort 1) stated that 19 accidents have occurred on the Loop 16 road during the



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			2015	construction phase of Bokpoort I. One of these accidents caused a fatality and three more were found to be related to alcohol use.
1.10	The local and farming community will insist that the Loop 16 road (75 km) be tarred by ACWA Power or any of their holding companies.	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Open House, 18 February 2015	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.11	The farmers along the Loop 16 road should be supplied with vehicles (which the farmers will maintain and fuel themselves), as the road is damaging their vehicles. All employees must be transported to and from the construction site with buses to limit traffic on the Loop 16 road.	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Open House, 18 February 2015	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.12	Landowners in the area would like to insist that the Loop 16 road is tarred. The farmers that are using the Loop 16 gravel road, which is currently not being maintained by the Bokpoort I operations, need to replace the tyres of their vehicles and farm implements on a much more regular basis than normal.	Mr Wilco Fourie	Open House, 18 February 2015	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.13	There have been rumours that the Loop 16 road will be tarred. Should this in fact be the case, a large portion of stakeholder concerns will have been addressed.	Mr Peter van Wyk	Open House, 18 February 2015	The project company is not aware of any tarring of the road, which remains the responsibility of the Provincial Authority. The proponent will engage with the Provincial Authority in this regard.
1.14	Traffic on the Opwag Road has more than tripled since the commencement of construction of Bokpoort I, as most of the labourers have to travel this road to get to work and back. There are a number of villages along this road that lie closer to Groblershoop than to the construction site.	Mr Fanus Van Eck, !Kheis Local Municipality	Open House, 18 February 2015	Thank you for your comment on this Provincial road. These comments will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered. The proponent has been made aware of these comments.
1.15	SANRAL requires the following information: i) Locality map, indicating the proposed Solar Farm in relation to the numbered roads in the	Mrs Rene de Kock, Statutory Control: South African National	Fax received 23 February 2015	A locality map and access information will be provided to SANRAL. The Wayleave and Transportation Plans will be available prior to construction. The EPC Contractor will undertake this application



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	<p>close vicinity;</p> <p>ii) Access information:</p> <ul style="list-style-type: none"> <li>- Km distance to the access (please refer to the wayleave application form).</li> <li>- Status of access: Gravel or Surfaced, with or without turning lanes.</li> </ul> <p>iii) Wayleaves</p> <p>If services need to be constructed parallel within 60 m measured from the road reserve fence or if a crossing of the national road is required, the services owner must apply for a wayleave.</p> <p>iv) Transport Plan</p> <p>SANRAL must be consulted before the transport of abnormal loads on national roads.</p>	Roads Agency Limited (SANRAL)		<p>process.</p> <p>A hard copy and CD of the EIA and abovementioned applications will be provided to SANRAL.</p>
1.16	<p>The roads are going to get worse with the construction of Bokpoort II. The number of trucks anticipated during the construction phase is very high and this will definitely have an impact on the roads. How will the roads be maintained and how will the dust be controlled? There should be a daily plan for the maintenance of the roads and the dust that will ensure that the current problems that are occurring during the construction of Bokpoort I will not continue or be repeated with Bokpoort II. These roads have not been designed or built to handle this type and volume of traffic. What will be done to ensure the safety of the normal everyday users of the roads?</p>	Mr Johan Maritz, Kalahari Oryx Game Farm	Email received on the 27 February 2015	<p>Thank you for your comment which will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered.</p> <p>The proponent has been made aware of these comments.</p> <p>Whilst stipulations in the EMP could be very detailed, the enforcement of these stipulations by contractors and staff should be investigated and procedures put in place, by the applicant, to ensure this.</p> <p>Speed cameras have now been installed on the Transnet road to identify speeding vehicles. In addition to this, company and construction personnel are receiving education on good driving practices. A mobile camera is being utilised to monitor speeding and bad driving on Loop 16.</p>
1.17	<p>The farmers are greatly concerned about the current condition and use of the Loop 16 road. The condition of the road has seriously deteriorated since the start of the Bokpoort I project. A number of accidents, of which more than 1 resulted in a fatality, has occurred on the road and farm workers have</p>	Mr Wilco Fourie	Written comment received 8 June 2015	<p>Thank you for your comment which will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered.</p> <p>The proponent has been made aware of these comments.</p>



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	been pushed off the road by the contractors travelling to the Bokpoort I site.			
1.18	What effect will glare, from the solar panels and tower, have on motorists travelling on the service road and train drivers passing on the railway track?	Mr Gilbert Nortier Transnet (Rail Network)	Written comment received on 24 June 2015	Thank you for this query. It will be communicated to the visual assessment team for their consideration during their specialist study
1.19	Will access to the proposed solar plant be via the Transnet Service Road? Is there an agreement or permission for this?	Mr Gilbert Nortier Transnet (Rail Network)	Written comment received on 24 June 2015	Access to the proposed Bokpoort II site will be via the existing Transnet Road. Transnet will be consulted in this regard.
1.20	The current road infrastructure can not handle the additional traffic associated with the proposed solar development.	Mr. Johannes Kotze	Telephonic conversation on 5 January 2016	Thank you for your comment which will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered.
1.21	The operator of the Bokpoort I project constructed a new road over the Christmas period. Gravel was trucked to the site and the existing access road was severely damaged during this process.	Mr. Johannes Kotze	Telephonic conversation on 5 January 2016	Thank you for your comment. The operator has been made aware of this comment.

### 2.0 WATER - SEE SECTIONS 8.1.8, 9.4.7, 10.1.5, 11.6 AND 11.12 OF THE EIA REPORT

2.1	The abstraction of a large volume of water out of the Orange River is of great concern, as approximately 400 000 people are reliant on the river for household water as a fundamental right according to the law. There is already not enough water in South Africa to meet these requirements. Water is a scarce resource in South Africa and should be handled and used with caution.	Mr Andre Kruger	Written comment received on 09 February 2015 by email	The impact of abstraction of water from the river will be considered during the EIA phase
2.2	What is the exact amount of water that will be abstracted from the river for the Bokpoort II operations?	Mr Andre Kruger	Open House, 18 February 2015	The estimated water consumption for the entire project/ solar complex will be 300 000 m <sup>3</sup> /yr broken down as follows: <ul style="list-style-type: none"> <li>PV 2 x 25 000m<sup>3</sup>/year = 50 000m<sup>3</sup>/year</li> </ul>



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				<ul style="list-style-type: none"> <li>CSP 250 000m<sup>3</sup>/year</li> </ul>
2.3	The Boegoeberg Dam, completed in 1933, indicates a measured volume of 80% full at present, however due to siltation, the actual volume of water is only 20 %. The University of Stellenbosch (US) has conducted a study and concluded that it would not be economically viable to dredge the dam. Where are ACWA Power Africa Holdings planning to get their water from for Bokpoort II? Mr Kruger will make the US study available to the surface water specialist on the project.	Mr Andre Kruger	Open House, 18 February 2015	The proposed project requires a detailed Water Use Licence Application in which the applicant has to specify where and what volumes of water will be required for the project. At present it is planned to abstract water via a pipeline out of the Orange River, but full details will be provided in the Water Use Licence Application which will be discussed with stakeholders at a later stage.
2.4	Which of the three types of solar power technology presented will use the most water?	Mr Dirk Nortje	Open House, 18 February 2015.	The estimated water consumption for the entire project/ solar complex will be 300 000 m <sup>3</sup> /yr broken down as follows:
2.5	Depending on the type of solar power technology what will the impact on the water be?	Mr Johan Maritz, Kalahari Oryx Game Farm	Email received on the 27 February 2015	<ul style="list-style-type: none"> <li>PV 2 x 25 000m<sup>3</sup>/year = 50 000m<sup>3</sup>/year</li> <li>CSP 250 000m<sup>3</sup>/year</li> </ul> This will depend on the technology being used.

### 3.0 AIR QUALITY – DUST - SEE SECTIONS 8.1.3, 9.4.2 10.1.2 AND 11.6 OF THE EIA REPORT

3.1	Due to the dust that is spread by the wind, the gravel road has a negative impact on the neighbouring properties' earning/income potential.	Mr Andre Kruger	Written comment received on 09 February 2015	Thank you for this comment. The impact of dust will be considered during the EIA
3.2	Dust generated on the gravel roads due to the high traffic volumes are affecting households as well as farming activities as the grapes are covered in a layer of dust, thus diminishing their sale value.	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House	
3.3	The grapes and raisins are graded at a lower	Mr Andre Kruger	Telephonic	



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	standard and are therefore being sold at a lower price due to the impact of dust. The lower price paid for sub-standard products has a major impact on the income potential of the surrounding farmers. Sheep and goats on the neighbouring farms are also affected by dust. Once slaughtered it becomes evident that their digestive tracts are filled with sand. These animals consume plants that are covered in dust. It has also been found that small farm animals perish easily due to blockages of their intestinal tracts as a result of sand and dust.		conversation on Friday, 20 February 2015	
3.4	The cotton, raisins, grapes and corn are being graded at a lower standard in the market place. This is due to dust contamination caused by the construction of Bokpoort I and affects the income of the farmers in the area.	Mr Fanus Van Eck, !Kheis Local Municipality	Open House, 18 February 2015	
3.5	How will dust be managed during the construction phase to minimise the impact on the High Voltage Insulators (railway line)?	Mr Gilbert Nortier Transnet (Rail Network)	Written comment received on 24 June 2015	Dust at the construction site will need to be actively managed by the proponent and their appointed contractors. Mitigation measures will be proposed in the environmental management plan. The detail of these and a monitoring network will be recommended through the air quality specialist study.
3.6	Dust generation during the construction phase has a negative impact on the quality of the export grapes and raisons produced in the area.	Mr. Johannes Kotze	Telephonic conversation on 5 January 2016	Thank you for this comment which will receive consideration during the EIA.
3.7	There is a 30% decrease in the production of raisins and table grapes due to the impact of dust on the individual grapes. Dust adheres to the wax layer on the grape and hence influences the development and processing of the grapes.	Mr. Andre Kruger	Telephonic conversation on 8 January 2016.	
4.0 SOCIAL - SEE SECTIONS 8.1.14, 9.4.13 AND 10.1.11 AND 11.6 OF THE EIA REPORT				
4.1	Whilst the socio economic impact could be seen as	Mr Andre Kruger	Written	





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	positive in terms of employment of a labour force during construction, it seems that foreigners are being brought in to do the work. Apart from the lack of employment for local communities, the influx of foreign construction workers is creating other social problems.		comment received on 09 February 2015	Thank you for your comment. The socio-economic impacts (positive and negative) will be addressed in detail in the EIA / EMP
4.2	Foreign workers commence with liaisons with local women and the number of illegitimate children has risen in the area. This is a typical occurrence in situations where migrant workers are utilised. In addition to this, Sexually Transmitted Diseases are increasing at an alarming rate. The applicant should consider including orientation regarding unprotected sex and its consequences in their site induction programme. The effect of being born out of such a situation has grave effects on children and may only become evident in a decade's time.	Mrs Poppie Howell  Mr Wilco Fourie	Written comments received on 18 February 2015 at the Open House  Open House, 18 February 2015.	
4.3	ACWA Power Africa Holdings and its contractors need to employ more local people. Why are foreigners employed to do work that local people can also do, like a chef or driver?	Mr Jannie Kuhn, Front Nasionaal Political Party	Open House, 18 February 2015	
4.4	The local community is not seeing any benefit from the Bokpoort I project. Please provide a list of projects that ACWA Power is supporting or funding.	Mr Dirk Nortje	Open House, 18 February 2015	<p>Approximately 400 jobs have been awarded to community members as part of the Bokpoort I project.</p> <p><b>The following projects will be implemented in 2015 by the Bokpoort I proponent:</b></p> <ul style="list-style-type: none"> <li>• Water Geyser for Topline Primary School (Topline) (150l geyser, including installation and delivery);</li> <li>• Transport plus an additional teacher for Uitsig Primary (Opwag) (100 bicycles, payment for a teacher for 1 year (R60k), 8 ceiling fans for 3 classrooms);</li> <li>• Support to 7 creches in all townships ( supply educational material and other resources to the Nursery schools. Provide training to the facilitators)</li> <li>• Palms Technical Training Centre ( short term course)</li> </ul>



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				<ul style="list-style-type: none"> <li>• Apprenticeship (enrolling 5 more apprentices)</li> <li>• Chicken broiler (Wegdraai) (space, livestock, and other necessary equipment)</li> <li>• Recreational centre (Grootdrink (construction of events room with a kitchenette, a 8mx16m swimming pool, ablution facilities, swings, slides, braai area and parking areas. Limited paving but grass and gravel will be dominant)</li> <li>• Bakery (Boegeberg) (women vendor, space, equipment, architectural plan, fencing, building material, labour, electricity and plumbing)</li> </ul> <p>The following projects were implemented in 2015:</p> <ul style="list-style-type: none"> <li>• Computers for Groblershoop High School (30 computers with internet connectivity)</li> <li>• Duineveld Solar Lighting (electrification of 305 houses in Duineveld)</li> <li>• Palms Technical Training Centre (Training of a total of 137 candidates on various technical skills)</li> <li>• Steinmuller Apprenticeship Program (5 candidates undergoing a 2 year training program to become coded welders)</li> <li>• Bursary scheme (full bursaries offered to 3 students in the field of Engineering and Finance)</li> <li>• Topline Water Reticulation (provision of clean drinking water to 77 homes in Topline)</li> </ul>
4.5	The growth of the town will be positively impacted as a result of the proposed development.	Mr Wilco Fourie	Open House, 18 February 2015	Comment noted, thank you
4.6	There are a number of social issues, including the increase in the number of illegitimate children in the area and the perceived increase in HIV/AIDS contamination, which we believe, is due to the large number of foreign contractors employed on the Bokpoort I site.	Mr Andre Kruger	Open House, 18 February 2015	Thank you for your comment which will be taken into consideration by Golder when the impact of the proposed Bokpoort II project is considered.
4.7	ACWA Power Africa Holdings need to employ more	Mr Andre Kruger	Telephonic	



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	local people and not just the 37.8% that Mr Mark Janick mentioned. Why are foreigners employed to do work that local people can also do, like a chef or driver? The local people should form at least 80% of the labour force.		conversation on the 20 February 2015	
4.8	How many people will be employed at the Bokpoort II operation and at what level?	Mr Michael Cheesian	Open House, 18 February 2015	<p>Approximately 485 job opportunities, for local residents, will be created during the construction of the proposed 300 MW PV and CSP solar development. The following employment opportunities will be created for local residents during the construction phase:</p> <ul style="list-style-type: none"> <li>• PV1: 40 employment opportunities at peak on site;</li> <li>• PV2: 40 employment opportunities at peak onsite; and</li> <li>• CSP Tower: 360 employment opportunities at peak on site.</li> </ul> <p>Approximately 45 foreign workers will be used during the construction phase as per the following breakdown:</p> <ul style="list-style-type: none"> <li>• PV1: 10 foreign workers;</li> <li>• PV2: 10 foreign workers; and</li> <li>• CSP Tower: 25 foreign workers.</li> </ul> <p>Approximately 41 job opportunities, for local residents, will be created during the operation of the proposed 300 MW PV and CSP solar development as per the following breakdown:</p> <p>PV1: 10 employment opportunities;  PV2: 10 employment opportunities; and  CSP Tower: 21 employment opportunities.</p> <p>The level of job opportunities will only be determined at a later stage.</p>
4.9	Alcohol abuse is a big problem in this area.	Mr Michael Cheesian	Open House, 18 February 2015	All labourers and staff members currently employed under the Bokpoort I project undertake the breathalyser test prior to entering the site. The same procedure will be followed on the Bokpoort II



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				operation.
4.10	<p>There will be a large number of labourers, especially during the construction phase, at Bokpoort II. For a 75 MW solar power development between 500 – 1000 labourers are required. What will the socio-economic impacts be? Where will the labourers stay? Groblershoop is too far from the site. Will there be a construction camp? How will the labourers be transported to and from the construction site?</p> <p>Grapes are being stolen by labourers working at Bokpoort I, how safe will our land and families be with this many labourers during the construction of Bokpoort II?</p>	Mr Johan Maritz, Kalahari Oryx Game Farm	Email received on the 27 February 2015	<p>On an average, the construction of a 75 MW PV plant requires approximately 50 new employees whereas a 150 MW CSP plant will require approximately 385 employees during the construction phase. Therefore, the combined Bokpoort II Solar development projects may require up to 485 people during the construction phase.</p> <p>There will be no construction labour camp. Labourers will be transported by buses from their places of residence. Camps will only house project management staff.</p> <p>In order to combat stock theft, the project area will be fenced and no labourers will be allowed to leave the premises without authorisation.</p>

### 5.0 INFRASTRUCTURE

5.1	Any transmitters that are to be established, or have been established, at the site for the purposes of voice and data communication will be required to comply with the relevant Astronomy Geographic Advantage Act (Act No. 21 of 2007) (AGA) regulations that regulate any operation in close proximity to the SKA sites.	Dr Adrian Tiplady, South African SKA Site Bid Manager	Written comments received via email on Thursday, 29 January 2015	In the event that the project company decides to install any transmitters, SKA will be informed prior to the development of such a device in order to advise on threats that may be posed.
5.2	Please note that this assessment is based on the assumption that the proposed power generation facility uses either a photo-voltaic, or concentrated solar power parabolic troughs. Should the developer wish to use concentrated solar towers, the risk assessment will have to be reviewed.	Dr Adrian Tiplady, South African SKA Site Bid Manager	Written comments received via email on Thursday, 29 January 2015	A risk assessment will be undertaken as the development may entail the construction of a CSP Tower.
5.3	Should any electrical devices, and in particular devices used for wireless communications, be installed at any location above 5m on the proposed CSP tower, the risk of interference with the	Dr Adrian Tiplady, South African SKA Site Bid	Written comments received via email on	The proponent will engage with the SKA team to better understand and discuss technical aspects associated with the respective projects. This meeting will be held before completion of the EIA



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	<p>extremely sensitive apparatus of the SKA will increase.</p> <p>Clarity needs to be provided on the types of devices used and their transmission characteristics i.e. power, frequency etc. as well as the height of the relevant device. Currently the uncertainty regarding the above presents a very high risk of detrimental impact to the SKA operation, should CSP towers be the preferred option.</p> <p>Such risk may be reduced through studies that are more detailed and mitigation measures; however, there is no guarantee that it can be completely eliminated.</p>	Manager	Monday, 2 March 2015	phase.
5.4	What criteria were used to determine the proposed site location of the Bokpoort II site?	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House	<p><i>Provincial level:</i> Based on a study by A.J. Meyer and Prof. J.L. van Niekerk (2011) the Northern Cape has the highest Direct Normal Insolation (sunlight that directly strikes a surface) levels in South Africa. This makes it the most favourable province for solar developments.</p> <p><i>Farm level:</i> Bokpoort farm was initially evaluated as an alternative site in a pre-environmental Scoping study and pre-feasibility study done by Eskom Holdings Ltd in 2006 for a pilot Concentrated Solar Power (CSP) plant. The study assessed two sites (Farm Olyvenhouts Drift and Farm Bokpoort 390) in terms of land availability, land use capability, fuel availability and accessibility to the Eskom grid.</p> <p><i>Site level:</i> The location of the Bokpoort II solar power development falls within the project area previously assessed in the Bokpoort I EIA. Individual specialist maps were developed for each of the following disciplines: avifauna, biodiversity, surface water, groundwater, social, soils, heritage, and tourism.</p> <p>The specialists maps were demarcated into the following categories: “ideal” (least sensitive areas), “acceptable” (areas with medium or average sensitivity) and “unacceptable / not ideal” (i.e. sensitive areas). Subsequently, sensitivity indexing was done by overlaying each of the specialist sensitivity maps. The sensitivity</p>



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				index map showed areas which were least sensitive (or developable areas) and areas that should be avoided. The Bokpoort I EIA's sensitivity zoning map indicated that the project footprint for the Bokpoort II solar development is in a preferred and acceptable developable area. These maps can be found in section 7.2 of the Final Scoping Report (Figures 12 and 13). See also section 6.2 (Figures 6-1 and 6-2), section 10.3 (Figure 10-2) and section 11.6 of the EIA Report..
5.5	A CSP Tower in this area is not an option. It will have a negative impact on the bird life, it will restrict air traffic and it is unsightly. It seems that this type of technology is discontinued in other countries. The Solar Two CSP Tower in the USA has caused an estimated death of more than 2 000 birds that were killed as a result of the glare obstructing their vision.	Mr Jannie Kuhn, Front Nasionaal Political Party	Open House, 18 February 2015	An assessment of the potential impact on avifauna was undertaken during the EIA phase in order to identify the potential impacts that could result from the proposed project. See sections 8.1.6.3, 9.4.5, 9.4.6, 10.1.4 and 11.6 of the EIA Report. An application will be lodged with the South African Civil Aviation Authority to identify whether the proposed project may be viewed as an obstacle capable of posing any threat to civil aviation.
5.6	Why is most of the technology being used for this project being imported and not locally produced?	Mr Jannie Kuhn, Front Nasionaal Political Party	Open House, 18 February 2015	The technology required for an operation of this scale is not readily available locally and at this stage unfortunately still has to be sourced from reliable overseas manufacturers.
5.7	Is it true that the concentrated solar can cause radar disruption in aircraft flying nearby or overhead? And if so, will this affect cellular signals as well?	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House meeting	An application will be lodged with the South African Civil Aviation to identify whether the proposed project may be viewed as an obstacle capable of posing any threat to civil aviation.
5.8	Clarification should be provided on the location of the power lines that will be required for the proposed Bokpoort II operation.	Mr Andre Kruger	Open House, 18 February 2015	Power lines for the Bokpoort II operation will connect to the Garona Substation located on the Remaining Extent of the Farm Bokpoort 390. The proposed location of these power lines are illustrated in Figure 2-4 in the EIA Report.
5.9	Current local infrastructure, such as the roads, that have been built up by the community must be maintained. The local community will not allow the	Mr Peter Kotze, Chairman of the Boegoeberg	Open House, 18 February 2015	Thank you for your comment. These comments were taken into consideration by the traffic impact study – see sections sections 8.1.13, 9.4.12, 10.1.9, 11.6 and





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	proposed project to continue if there are no guarantees put in place that this will not happen.	Water Users Association		11.11 of the EIA Report . The proponent has also been made aware of these comments.
5.10	How did ACWA Power Africa Holdings decide on the site for Bokpoort II?	Mr Michael Cheesian	Open House, 18 February 2015	The general area in the Northern Cape has been identified as a solar power corridor for South Africa and the proximity of the Garona Substation played a role in the decision, in addition to this, the land earmarked for the site was available for acquisition by the applicant. Also refer to section 6 of the EIA Report and the detailed explanation in paragraph 5.4 above.

### 6.0 FAUNA AND FLORA - SEE SECTIONS 8.1.6, 9.4.5, 9.4.6, 10.1.4, 11.6 AND 11.7 OF THE EIA REPORT

6.1	Clarification should be provided on the expertise of the specialists who carry out the relocation of plant species and also details of where these plant species will be relocated to. In addition to this please provide statistics of the success rate of relocation of such species.	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House meeting	The need for relocation of plant species will be determined by an ecologist and the report will be part of the EIA. Firstly, the client / landowners need to notify the authorities and apply for relocation permits. Some species such as large protected trees require a destruction permit (as it is very difficult to relocate large trees). For Red Data listed species a permit is not guaranteed to be issued. If permits are obtained, there are generally two options for rescue. The first is to dig up the plants and relocate them to an adjacent area of similar natural habitat. The second is to dig them up, place them in plastic potting bags and keep them at a project nursery for later relocation or use for site rehabilitation. The success rate of the relocation varies depending on the plant species and area.
6.2	There are a number of red data bird species in the area.	Mr Andre Kruger	Telephonic conversation on the 20 February 2015	An assessment of avifauna was undertaken during the EIA phase in order to identify potential impacts that could occur as a result of the proposed project.
6.3	A marked decrease has been observed in the percentage of lamb twins being born. Mr. Kruger believes that this is due to the higher temperature levels at specific places, downwind of the existing	Mr Andre Kruger	Telephonic conversation on 8 January 2016.	Thank you for this comment.



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	Bokpoort I solar plant. Increased temperatures apparently causes a decrease in the oestrus time of sheep.			
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### 7.0 NOISE- SEE SECTIONS 8.1.10, 9.4.9, 10.1.7 AND 11.6 OF THE EIA REPORT

7.1	With regard to noise pollution due to the coolers, will the noise be periodic or continuous during the operational phase?	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House	During the operational phase of the Bokpoort II solar development, the predicted noise sources will be the cooling fans at the power block, the pumps, the power generating unit, and the movement of the Heliostats of the CSP Tower, the Parabolic Trough and the solar panels of the PV that will track the sun. The potential noise impacts are discussed in more detail in the EIA Report.
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### 8.0 OTHER

8.1	The concentration of intense heat as required by this process could also have a negative impact on neighbouring properties.	Mr Andre Kruger	Written comment received on 09 February 2015	A study by V. Fthenakis and Y. Yu assessed the potential for a heat island effect in large solar farms. It was found that the annual average air temperatures at 2.5 m above the ground at the centre of a simulated solar farm was 1.9°C higher than the ambient and that it declined to the ambient temperature at heights of 5 to 18 m. The field data also showed a clear decline of air temperatures as a function of distance from the perimeter of the solar farm, with the temperatures approaching ambient temperature (within 0.3°C), at about 300 m away. Analysis of 18 months of detailed data showed that on most days, the solar array was completely cooled at night, and, thus, it is unlikely that a heat island effect could occur.
8.2	Landowners are not prepared to listen to promises and good intentions anymore, if their livelihood is impacted, as is currently the case with the Bokpoort I construction. Landowners will take decisive action if they perceive that anomalies and untruths are being told about the Bokpoort II process.	Mr Andre Kruger	Written comment received on 09 February 2015	ACWA would like to have a constructive relationship with their neighbours and will strive to find mitigation measures for any impact caused by the proposed project in discussion with neighbouring landowners.
8.3	The nearest SKA station has been identified as Rem-Opt-12, at a distance of approximately 56 km.	Dr Adrian Tiplady, South African	Written comments	Thank you for your comment. Golder have requested comments on potential impacts of a CSP Tower installation on the SKA



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	<p>Based on distances to the nearest SKA station, and the information currently available on the detailed design of the PV installation, this facility poses a low risk of detrimental impact on the SKA.</p> <p>As a result of the low risk associated with the Bokpoort II PV facility near Groblershoop, no mitigation measures would be required at this stage. However, the South African SKA Project Office would like to be kept informed of progress with this project, and reserves the right to request further risk assessments at a later stage.</p> <p>This technical advice is provided by the South African SKA Project Office on the basis of the protection requirements of the SKA in South Africa, and does not constitute legal approval of the renewable energy projects in terms of the Astronomy Geographic Advantage Act, the Management Authority, and its regulations or declarations.</p>	SKA Site Bid Manager	received via email on Thursday, 29 January 2015	
8.4	<p>Were there any problems that were discovered during Bokpoort I, in particular how the previous EIA/EMP (for Bokpoort I) has been implemented in practical terms. Did the EMP meet its set goals and objectives?</p>	Mrs Poppie Howell	Written comments received on 18 February 2015 at Open House Meeting.	<p>It has been noted during the Open House that the Environmental Management Programme (EMPr) for Bokpoort I did not have regulated times regarding road maintenance.</p> <p>This will be considered by Golder during the EIA and EMP for the current project</p>
8.5	<p>Can the temperature increase due to the solar power development have a negative effect on the current micro climate in the area? Clarification should also be provided of the cumulative impact of such a solar power plant covering a large area of land and also taking into account that there are proposed solar power projects planned on land adjacent to the proposed Bokpoort II site.</p>	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House meeting	<p>A study by V. Fthenakis and Y. Yu assessed the potential for a heat island effect in large solar farms. It was found that the annual average air temperatures at 2.5 m above the ground at the centre of a simulated solar farm was 1.9°C higher than the ambient and that it declined to the ambient temperature at heights of 5 to 18 m. The field data also showed a clear decline of air temperatures as a function of distance from the perimeter of the solar farm, with the temperatures approaching ambient temperature (within 0.3°C), at about 300 m away. Analysis of 18 months of detailed data showed that on most days, the solar array was completely cooled at night,</p>



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				and, thus, it is unlikely that a heat island effect could occur.
8.6	Will the amount of concentrated heat emanating from such a project have an effect on global warming?	Mr Andre Kruger	Telephonic conversation on the 20 February 2015	The project will not contribute towards global warming. It will not produce any heat. It will merely convert incident solar energy to heat and from there to electric power. Unlike a power station operating on fossil fuels, the solar power station will not emit any greenhouse gases.
8.7	Whilst we believe in sustainable energy production and support such initiatives it should be clarified whether Eskom will be able to pay for such renewable energy initiatives, given that they seem to be in financial difficulty already. Should it transpire that Eskom cannot afford the purchase of this energy, is the project sustainable at all? Should Eskom fail to utilise the energy made available, this could cause a negative attitude towards any such renewable energy initiatives.	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House	The sourcing of alternative power other than fossil fuels is of the utmost importance and has been made a priority by the South African Government. In terms of the Renewable Independent Power Producers Procurement Programme (REIPPPP), the Bidders (ACWA Power Africa Holdings) will be required to meet the requirements set out in this programme, including the process of buying the electricity and adhering to the socio-economic development objectives of the Department of Energy. The Department of Energy will therefore be very involved in the REIPPPP process and will strive to ensure that all alternatives to provide energy to the South African population are sustainable and that no such investment fail.
8.8	If one or more of the solar panels break, what chemicals could be spilled, and what will the impact be?	Mrs Poppie Howell	Written comments received on 18 February 2015 at the Open House	Solar panels are made of solid materials. They do not contain any liquids that could spill if they were to break. Some of the more advanced types are made of metallic or organic compounds, some of which are toxic and require proper disposal when the panels reach the end of their life.
8.9	What specialist studies will be conducted during the EIA? What impact will the project have on animals, birds and plants?	Mr Johan Maritz, Kalahari Oryx Game Farm	Open House, 18 February 2015 and again in an email received on the 27 February 2015	<p>The following specialist studies will be undertaken for the Bokpoort II EIA:</p> <ul style="list-style-type: none"> <li>• Climate;</li> <li>• Air quality;</li> <li>• Noise;</li> <li>• Topography;</li> <li>• Geology;</li> <li>• Soil, land use and land capability;</li> <li>• Surface water;</li> <li>• Groundwater</li> </ul>



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				<ul style="list-style-type: none"> <li>• Terrestrial ecology;</li> <li>• Aquatic ecology;</li> <li>• Cultural and heritage resources;</li> <li>• Traffic;</li> <li>• Socio-economics;</li> <li>• Visual impacts; and</li> <li>• Impacts on Tourism.</li> </ul> <p>The potential impacts identified in each of these studies will be included in the EIA Report.</p>
8.10	Does the EIA include recommendations on rehabilitation of the area and how will this be enforced?	Mr Johan Maritz, Kalahari Oryx Game Farm	Open House, 18 February 2015	Rehabilitation requirements are included in the EIA / EMP see sections 9, 10 and 11 of the EIA Report.
8.11	How will it be ensured that ACWA Power Africa Holdings adheres to every requirement in the approved EMP for the proposed Bokpoort II site?	Mr Johan Maritz, Kalahari Oryx Game Farm	Open House, 18 February 2015	The Environmental Authorisation (EA) together with other permits for the proposed projects requires that the project company adheres to all documents related to the project. The EA, in most cases, requires periodic audits of which the results must be submitted to the Competent Authority. It is therefore legally binding and any non-compliance to these is a contravention of the South African law and the project company will be held liable for any contravention.
8.12	The Environmental Control Officer (ECO) for Bokpoort I that is currently on site, is an employee of ACWA Power SolAfrica. This should be an independent person to ensure that the EMP requirements are adhered to.	Mr Andre Kruger	Open House, 18 February 2015	As per the Environmental Authorisation (EA) for Bokpoort I, issued by the DEA, the developer appointed an independent ECO (Royal Haskoning DHV) responsible for monitoring and reporting compliance against any document issued for the project and the ECO reports directly to the DEA.
8.13	Contact details of the ECO stationed at Bokpoort I should be made available to the community. Copies of the monthly EMP audit reports that are submitted to the department should also be made available to the Interested and Affected Parties(I&APs).	Mr Johannes Kotze	Open House, 18 February 2015	All audit reports are available for review on site by appointment and are circulated monthly to DEA as per EA conditions. The ECO on site is Eben van Schalkwyk from Royal Haskoning DHV( 082 881 8500).
8.14	The ECO on Bokpoort I is not providing landowners with accurate information on current activities on site. It is evident that the contractors are not adhering to the approved EMP requirements.	Mr Louis Kotze	Open House, 18 February 2015	



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8.15	Landowners find themselves very incensed by the conduct of foreign contractors which could lead to conflict. This should be managed by the applicant.	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Open House, 18 February 2015	Thank you for your comment. The proponent has been made aware of these comments.
8.16	It is requested that copies of the ECO audit reports for Bokpoort II be made available to the farmers / landowners.	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Open House, 18 February 2015	All reports are available for review on site by appointment and circulated monthly to DEA as per EA conditions. The ECO on site is Eben van Schalkwyk from Royal Haskoning DHV (082 881 8500).
8.17	The cumulative impacts for all the projects in the area should be considered.	Mr Andre Kruger	Open House, 18 February 2015	The assessment of cumulative impacts have been included in the EIA / EMP – see section 9.6 of the EIA Report.
8.18	The ownership and duties and responsibilities of the various companies (i.e. Sol Africa, ACWA Power Sol Africa, ACWA Power Africa Holdings) should be clarified.	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association Mr Andre Kruger	Open House, 18 February 2015	SolAfrica was a co-developer of the Bokpoort I project. ACWA Power SolAfrica Bokpoort Power Plant Pty Ltd is the project company of the Bokpoort I project. ACWA Power Africa Holdings is a subsidiary of ACWA Power International and is the developer of Bokpoort II.
8.19	Are there any South African shareholders in ACWA Power International?	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Open House, 18 February 2015	There are currently no South African shareholders in ACWA Power International.
8.20	We would like to request that top management of ACWA Power International and its subsidiaries (ACWA Power SolAfrica and ACWA Power Africa Holdings) meet with the local farmers of the area. This meeting must be electronically recorded and the minutes be circulated. Based on these minutes we would insist on a legally binding document that will ensure that the applicant adheres to commitments made to landowners.	Mr Andre Kruger	Telephonic conversation on 20 February 2015	Thank you for your comment. The proponent has been made aware of the request.
8.21	What is the lead time for construction?	Mr Michael	Open House,	It is estimated that construction will start in mid 2017 pending





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		Cheesian	18 February 2015	Environmental Authorisation and the outcome of the REIPPP.
8.22	How many solar power developments does ACWA Power Africa Holdings have in the area?	Mr Michael Cheesian	Open House, 18 February 2015	<p>The Bokpoort I project is ACWA Power SolAfrica's 50 MW solar power development on the Farm Bokpoort 360.</p> <p>However, ACWA Power Africa Holdings is a subsidiary of ACWA Power Internationall and is the developer of Bokpoort II.</p> <p>ACWA Power Africa Holdings does not have a project in the area. The Bokpoort I project is a project owned by a different consortium who came together to form a company called ACWA Power SolAfrica. Like any other consortium, there are different shareholders and ACWA Power is one of the shareholders of the Bokpoort I project.</p>
8.23	What is the tourism potential of the solar power developments?	Mr Michael Cheesian	Open House, 18 February 2015	The solar developments may attract tourists once operational. The tourism potential will be investigated during the EIA phase.
8.24	Of the three proposed solar power technologies for Bokpoort II, which one is the most efficient?	Mr Michael Cheesian	Open House, 18 February 2015	All three technologies are efficient depending on the quantity of electricity to be generated. The CSP facilities have storage capacity which enables them to store heat that can be used to generate power during the night.
8.25	The type of solar power technology that will be constructed will have an impact on the sense of place. The surrounding environment is still in a very natural state and there are no big industrial type buildings anywhere near the site. Please provide a clear explanation as to how ACWA Power Africa Holdings will construct the solar power development with the least impact on the sense of place.	Mr Johan Maritz, Kalahari Oryx Game Farm	Email received on the 27 February 2015	<p>Thank you for your comment.</p> <p>The sense of place is acknowledged and was taken into account during the EIA phase –see sections 8.1.7, 8.1.11, 9.4.14 and 10.3 of the EIA Report.</p>
8.26	What is the visual impact? I expect that it will be high as there are no other buildings in the surrounding area.	Mr Johan Maritz, Kalahari Oryx Game Farm	Email received on the 27 February 2015	<p>The exact height of the proposed CSP tower is currently unknown but it could be between 200 to 250 m high.</p> <p>A visual impact assessment was undertaken during of the impact</p>



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8.27	<p>Please provide us with the details regarding the vertical dimensions of the proposed facilities. Also provide us with the details regarding the visual impact of the proposed facilities as it will impact the surrounding area. Specific reference must be to the topography of the area and the possible visual impact on our property.</p>	Mr Johan Maritz, Kalahari Oryx Game Farm	Email received 25 June 2015	<p>assessment phase of the project. The results of the visual impact assessment have been included in the draft EIA report. see section 9.4.10 of the report.</p> <p>Special consideration was given to the close proximity of Kalahari Oryx to the Bokpoort II project site – see section 9.4.14 of the EIA Report.</p>
8.28	<p>The following documents were provided by Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association at the Open House on the 18 February 2015:</p> <ul style="list-style-type: none"> <li>a) Minutes of Meeting for the EIA for Bokpoort I (SSI) dated 12 October 2010;</li> <li>b) Pages 26,159 and 137 from the Draft EMP for Bokpoort I by SSI dated November 2010;</li> <li>c) Pages 34 and 195 from the Final EIA for Bokpoort I by SSI dated February 2011;</li> <li>d) Pages from what appears to be the Background Information Document (BID ) for Bokpoort I;</li> <li>e) Land use application process. Minutes of public meeting, dated 18 April 2011;</li> <li>f) Email correspondence from Nasi Rwigema of ACWA Power SolAfrica to P Kotze dated 10 and 11 October 2013;</li> <li>g) Email correspondence from Johannes and Mariethie Fourie to Mark Janick (CC P Kotze in) dated 9 and 14 January 2015;</li> <li>h) Letter dated 22 May 2014: BKP-CSP-FR-0001 Gariep Road Maintenance Feedback(compiled by ACWA Power SolAfrica);</li> <li>i) Letter titled: Community engagement meetings – meetings with farmers dated 4 November 2014 (compiled by ACWA Power SolAfrica); and</li> </ul>	Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association	Open House, 18 February 2015	<p>Documents received and will be taken into consideration during the EIA phase of the project.</p>



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	j) Email correspondence between Bokpoort EPC Consortium and Mr Louis Kotze and Mr Peter Kotze, Chairman of the Boegoeberg Water Users Association, dated 21 November 2014 and 10 February 2015.			
8.29	Glen Lyons Farms are opposing the construction of the CSP Tower infrastructure due to the negative impact that this infrastructure will have on the tourism experience offered.	Mr. Hendrik Maritz	Telephonic conversation on 5 January 2016	Thank you for this comment which will receive consideration during the EIA. See section 9.4.14 of the EIA Report

### 9.0 CONTENT OF THE DRAFT SCOPING REPORT

9.1	Please ensure that all relevant listed activities are applied for, are specific and that it can be linked to the development activity or infrastructure as described in the project description.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. Please refer to Section 3.2 of the Final Scoping Report.
9.2	If the activities applied for in the application form differ from those mentioned in the final SR, an amended application form must be submitted.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. It is noted and an amended application has been submitted.
9.3	Please ensure that all issues raised and comments received during the circulation of the SR from registered I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final SR. Proof of correspondence with the various stakeholders must be included in the final SR.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. This Comments and Response Report contains all issues raised and comments received from registered I&APs and organs of state.  Please refer to Appendix C of the Final Scoping Report for the proof of correspondence and methods of communication with the various stakeholders.
9.4	Please ensure that comments that comments from agricultural unions and adjacent farm owners are	Mr. Sabelo Malaza	Letter dated 2 February	Thank you for this comment. This Comments and Response Report contains all issues raised and comments received from



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	submitted to the Department with the final SR.	Chief Director: Integrated Environmental Authorisations, DEA	2016	registered I&APs and organs of state, including the adjacent landowners and the relevant agricultural unions.
9.5	The specialists studies conducted must be specific to each of the sites applied for. The specialist must provide recommendations and mitigation measures specific to each site and the EAP must provide mitigation measures; an assessment and recommendations for each site as well as the cumulative impacts for each of the facilities.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. It is noted and has been addressed in the EIA Report – see sections 9 and 10 of the report.
9.6	Scoping specialist studies, if applicable, must be submitted to the Department with the final SR.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Refer to Appendix D of the Final Scoping Report for the applicable scoping specialist studies.
9.7	This Department requires a cumulative impact assessment to be undertaken in the final SR to determine potential fatal flaws.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Potential cumulative impacts have been identified in the Final Scoping Report. Their assessment was undertaken during the impact assessment phase. See section 9.6 of the EIA Report.
9.8	This Department requests the EAP to include the specialist consultants who will conduct the specialists assessments.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. Please refer to Section 10.0 Table 14 of the Final Scoping Report for a summary of the specialist consultants responsible for conducting the specialist assessments.
9.9	This Department requests tha EAP to familiarise	Mr. Sabelo	Letter dated	Thank you for this comment. Please refer to Section 5 of the Final



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	themselves with the requirements of Appendix 2 of GNR 982 of the EIA Regulations, 2014 and ensure tha the final SR submitted to this Department for consideration meets the requirements in terms of identifying, assessing and providing mitigation measures of the impacts on the alternative and preferred sites.	Malaza Chief Director: Integrated Environmental Authorisations, DEA	2 February 2016	Scoping Report.
9.10	Please ensure that the maps submitted with the final SR are legible.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. It is duly noted.
9.11	It is noted that the reference numbers used in the newspaper advertisement called "Die Gembok" and dated 30 January 2015 are incorrect. Please be advised to correct these reference numbers accordingly in the next newspaper advertisement. In this instance, 14/12/16/3/3/2/880 will be the correct reference number to utilise.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. The reference numbers contained in the adverts relates to the first applications submitted by ACWA Power. The application lapsed and was subsequently closed. New applications have been submitted to the Department for the same project and this resulted in the issuing of new reference numbers.
9.12	Please provide a description of any identified alternatives for proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the acitivity as per Appendix 2 of GN R. 982 of 2014.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. Please refer to Section 7.0 of the Final Scoping Report and section 6 of the EIA Report.
9.13	A significant amount of materials and equipment will be delivered to the site duirng the construction phase of the development. The EIAr must include a traffic assessment study. The study must determine the specific traffic needs during the different phases of implementation.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations,	Letter dated 2 February 2016	Thank you for this comment. A traffic impact assessment was undertaken – see sections 8.1.13, 9.4.12, 10.1.9 and 11.6 of the EIA Report.



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		DEA		
9.14	You are further reminded that the final SR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of Scoping reports in accordance with Appendix 2 and Regulation 21(1) of the EIA Regulations, 2014.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. Please refer to Section 1.3 and Table 2 of the Final Scoping Report.
9.15	Further note that in terms Regulations 45 of the EIA Regulations 2014, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations, unless an extension has been granted in terms of Regulation 3(7).	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 2 February 2016	Thank you for this comment. It is duly noted.
<b>10. CONTENT OF THE DRAFT EIA REPORT</b>				
10.1	This Department advises that the applied listed activity and their relevant issues be addressed and assessed in the EIAR.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Table 3-2 and Section 9.0 of the EIA Report
10.2	NR R983 Item 19: With regards to infilling and excavation of watercourses for the construction of the photovoltaic (PV) Energy facility, this Department requires the applicant to provide an indication of the preferred and alternate locations from which the material used for infilling will be sourced and where excavated material will be stored and / or disposed of. In addition, the impacts associated with this activity must be adequately assessed in the EIAR.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	There are no watercourses on the proposed plant site, but occasional dredging of silt from the river bed at the point where a floating pump station will abstract process water from the Orange River will be necessary. The dredged material will not be removed from the river, but merely moved downstream within the river. See Table 3-2 and section 9.4.5.1 of the EIA Report
10.3	The draft EIAR must provide an assessment of the impacts and mitigation measures for each of the	Mr. Sabelo	Letter dated 23 March	Refer to Table 3-2 and Section 9.0 and Section 11.0 of the EIA





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	listed activities applied for.	Malaza Chief Director: Integrated Environmental Authorisations, DEA	2016	Report
10.4	The assessment of environmental impacts must be specific to the proposed PV facility, rather than a Concentrated Solar Power (CSP), which has been applied for and considered under a separated application.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	The EIA Report is specific to the proposed 75 MW PV Solar Facility
10.5	The listed activities represented in the draft EIA and the application form must be the same and correct.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	A revised application will be submitted to the Department.
10.6	Just to reiterate, please ensure that all the relevant listed activities applied for, are specific and that it can be linked to the development activity or infrastructure as described in the project description.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Table 3-2 of the EIA Report
10.7	The relevant provincial authority must be engaged with specific regards to development in geographic areas triggering activities in GN R 985. In addition, a geographical representation of the proposed development within the respective geographical areas must be provided.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Activity 14 of GN R.985 is triggered by the installation of a floating pump station in the Orange River. See Table 3-2 and Figure 10-2 in the EIA Report



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10.8	In addition, while the application form lists the following listed activities as being triggered by the proposed development GN. No 985, Activity 18, it is not clear how the proposed development triggers the abovementioned listed activities. For instance, the geographical area based on environmental attributes is not mentioned. As such, the geographical area based on attributes must be provided in order to determine the applicability of the aforementioned listed activity.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	This listed activity is not applicable to the project and has been removed from Table 3-2 in the EIA Report
10.9	It is noted the storage of dangerous goods will not exceed a combined capacity of 500 cubic metres. You are requested to provide the exact capacity of dangerous goods storage.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Table 3-2 of the EIA report
10.10	Should there be a need to amend the application form, please note that the Department's application form template has been amended and can be downloaded from the following link: <a href="https://www.environment.gov.za/documents/forms">https://www.environment.gov.za/documents/forms</a> .	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Noted
10.11	You are further reminded to provide a description of any identified alternatives for the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity. Alternatively submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Section 6.0 of the EIA Report
10.12	The proposed development will include a new power	Mr. Sabelo	Letter dated	Refer to Table 3-1 for the technical details of the proposed



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	line. However the length of the powerline and alternatives considered / assessed are not reported in the final Scoping Report and alternatives of the proposed. Therefore, submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist for the proposed power line. Just to reiterate, you are requested to provide the Department with a detailed motivation as to why only one site alternative was considered.	Malaza Chief Director: Integrated Environmental Authorisations, DEA	23 March 2016	infrastructure and Section 6.0 of the EIA Report
10.13	It is imperative that the relevant authorities are continuously involved throughout the EIAR process.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Noted
10.14	The EIAR must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Table 3-2 and Section 9.0 and Section 11.0 of the EIA Report
10.15	All specialist studies submitted with the Scoping Report must form part of the EIAR and must be current, consider cumulative impacts, be relevant to the development and comply with Appendix 6 of the EIA Regulation 2014.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Appendix E to Appendix O of the EIA Report
10.16	The Department requires comments from the Department of Agriculture to be included in the EIAR.	Mr. Sabelo Malaza Chief Director: Integrated	Letter dated 23 March 2016	Comments have been requested from the Department of Agriculture



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		Environmental Authorisations, DEA		
10.17	<p>An Avifaunal Assessment must be conducted as part of the EIAR. The terms of reference for the study must include, inter alia the following:</p> <ul style="list-style-type: none"> <li>Ø Determine the impacts that the proposed activity (including the powerline) may have on avifauna;</li> <li>Ø Must cover at a minimum the summer and winter seasons;</li> <li>Ø The assessment must include mitigation measures to discourage the avifauna from entering the solar field as well and limit nesting and breeding grounds within the solar field.</li> <li>Ø The avifaunal specialist study must be expanded to include vantage points surveys as well as flight paths to consider how birds will move through the property. The study must also propose adequate mitigation measures to reduce the facilities impacts on on avifauna frequenting the area.</li> </ul> <p>Assess the cumulative impact on avifauna within the site and within the local area.</p>	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	See sections 8.1.6.3 and Appendix I of the EIA Report
10.18	<p>The terms of referenece for the Soils, Land use and Land capability Assessment must also include, inter alia the following:</p> <ul style="list-style-type: none"> <li>Ø Assessment of the loss of agricultural land;</li> <li>Ø The current state of agricultural activities on land;</li> </ul> <p>The impact of the loss of agricultural land within the property as well as the cumulative impact of the loss</p>	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	See sections 8.1.5, 9.4.4, 9.6, 10.1.3 and 11.6 of the EIA Report



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	of agricultural land on site and within the area;			
10.19	It is noted that certain specialist studies from the previously authorised Bokpoort I Concentrated Solar Power (CSP) Facility will be used for this application. These specialist studies must be updated and supported by professional opinion.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	See sections 8 and 9 of the EIA Report
10.20	It is further noted that the specialist studies included in the Final Scoping Report only refer to the CSP facility rather than photovoltaic (PV) facility. This Department is of view that all these specialist studies are not relevant to the proposed PV facility, but relevant to the CSP technology. You are requested to assess the impacts identified during scoping phase in the EIA Phase.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	See sections 8 and 9 of the EIA Report Refer to Appendix E to Appendix O of the EIA Report
10.21	Should in-house specialists be used for any specialist study, the specialist study must be peer reviewed by external specialists.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	See sections 9.4.2.6, 9.4.5.4, 9.4.9.4, 9.4.7.4, 9.4.8.4, 9.4.10.7, 9.4.13.4 of the EIA Report
10.22	The specialist study conducted must be specific to a PV facility and must assess cumulative impacts of other Renewable Energy projects in the area.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Section 9.5 of the EIA Report. Refer to Appendix E to Appendix O of the EIA Report.
10.23	A new advert must be placed, which represents the correct application reference number.	Mr. Sabelo Malaza Chief Director: Integrated	Letter dated 23 March 2016	New adverts has been placed. Refer to Section 7.0 of the EIA Report



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		Environmental Authorisations, DEA		
10.24	A new site notice board must be placed indicating the correct reference number.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	New site notices has been placed. Refer to Section 7.0 of the EIA Report
10.25	All correspondences and documents submitted to I&AP's must indicate the correct reference number.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	The adverts, site notices and correspondence has the correct reference number.
10.26	It is drawn to your attention, that the EAP failed to adequately and fully address all the concerns raised by this Department in the Draft SR within the Final SR.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Specialist studies used in the report is relevant to the technology applied for.
10.27	The EIAR must provide the technical details for the proposed facility in a table format as well as their discription and/or dimension. A sample of the minimum information required is listed under point 2 of the EIA information required for solar enegyry facility below.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Table 3-1 of the EIA Report
10.28	The EIAR must provide the four corner's coordinates for the proposed development site (note that if the site have numerous bend points, each and every	Mr. Sabelo Malaza Chief Director:	Letter dated 23 March 2016	Refer to Section 2.3 and Figure 2-1 of the EIA Report





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	bend point coordinates must be provided) as well as the start, middle and end point of all linear activities.	Integrated Environmental Authorisations, DEA		
10.29	<p>The EIAr must provide the following; Clear indication of the envisioned area for the proposed solar facility; i.e. placing of PV arrays and all associated infrastructure should be mapped at an appropriate scale. Clear description of all associated infrastructure. This description must include, but not limited to the following;</p> <ul style="list-style-type: none"> <li>Ø Power lines;</li> <li>Ø Internal roads infrastructure; and;</li> </ul> <p>All supporting onsite infrastructure such as laydown area, guard house and control room etc.</p>	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Figure 2-3, Figure 2-4 and Figure 2-5 of the EIA Report
10.30	The EIAr must provide an indication of the location of the solar facility in respect to the location of other energy facilities and its associated infrastructure.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Figure 9-3 of the EIA Report
10.31	The EIAr must provide detailed need and desirability as to why there is a need for the development and why the specific location is desirable.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Section 5.0 of the EIA Report
10.32	The EIAr must provide an indication of the internal access roads and the impacts associated with them must be adequately assessed in the EIAr and EMP.	Mr. Sabelo Malaza Chief Director:	Letter dated 23 March 2016	Refer to Figure 2-3 and Figure 2-4 of the EIA Report



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		Integrated Environmental Authorisations, DEA		
10.33	The inclusion of all received comments and responses thereto in the comments and response reports.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to this Comments and Response Report
10.34	Information on services required on the site, e.g. sewage, refuse removal, water and electricity. Who will supply these services and has an agreement and confirmation of capacity been obtained? Proof of these agreements must be provided.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Sewage will be managed by means of either a septic tank system or a serviced package plant. Refuse will be transported to the municipal landfill at Groblershoop, water will be abstracted from the Orange River and power will be purchased from Eskom via the Garona substation at times when the PV installation is not producing power. ACWA has engaged with the relevant authorities and will enter into contractual arrangements after environmental authorisation has been obtained and a final decision to implement the project has been taken.
10.35	The EIAR must provide a layout which depicts the entire facility, i.e. the solar and grid connection infrastructure.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Figures 2-3, 2-4, 2-5 of the EIA Report
10.36	The assessment of impacts and the Environmental Impact Assessment process; and, the requirements of the Public Participation Process (PPP) must be in accordance with Regulation 39 to 44 of the GN R982 of EIA Regulations 2014.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Section 7.0 in the EIA Report



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10.37	<p>A copy of the final site layout map. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:</p> <ul style="list-style-type: none"> <li>Ø Positions of the PV arrays and its associated infrastructure;</li> <li>Ø Permanent laydown area footprint;</li> <li>Ø Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible);</li> <li>Ø Wetlands, drainage lines, rivers, stream and water crossing of roads and cables indicating the type of bridging structures that will be used;</li> <li>Ø The location of sensitive environmental features on site e.g. CBAs, heritage sites, wetlands, drainage lines etc. that will be affected by the facility and its associated infrastructure;</li> <li>Ø Substation(s) and/or transformer(s) sites including their entire footprint;</li> <li>Ø Connection routes (including pylon conditions) to the distribution/transmission network;</li> <li>Ø All existing infrastructure on the site, especially roads;</li> <li>Ø Buffer areas;</li> <li>Ø Buildings, including accommodation; and,</li> </ul>	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	See Figure 11-1 in the EIA Report
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	All “no-go” areas.			
10.38	An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	See Figure 9-4 of the EIA Report
10.39	A map combining the final layout map superimposed (overlain) on the environmental sensitivity map.	Mr. Sabelo Malaza Chief Director: Integrated Environmental Authorisations, DEA	Letter dated 23 March 2016	Refer to Figure 11-1 of the EIA Report



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Directors: SA Eckstein, RGM Heath, SC Naidoo, GYW Ngoma

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# **APPENDIX A**

## **Document Limitations**





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Africa	+ 27 11 254 4800
Asia	+ 86 21 6258 5522
Australasia	+ 61 3 8862 3500
Europe	+ 44 1628 851851
North America	+ 1 800 275 3281
South America	+ 56 2 2616 2000

[solutions@golder.com](mailto:solutions@golder.com)  
[www.golder.com](http://www.golder.com)

**Golder Associates Africa (Pty) Ltd.**  
**P.O. Box 6001**  
**Halfway House, 1685**  
**Building 1, Maxwell Office Park**  
**Magwa Crescent West**  
**Waterfall City**  
**Midrand, 1685**  
**South Africa**  
**T: [+27] (11) 254 4800**

