TGM ENVIRONMENTAL SERVICES

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UMQULU WOLWAZI OLUYISISekelo
ISITESHI ESINCANE SASE-DUVHA ESIHLONGOZWAYO, I-SWITCHING STATION, IKHEBULA ELINGAPHANSI KOMHLABA KANYE NOKUXHUNYWA KWE-132 KV LILO KWE-SOLAR PV FACILITY
UMASIPALA WENDAWO WASE-EMALAHLENI, UMASIPALA WESIFUNDA SASENKANGALA, ISIFUNDAZWE SASEMPUMALANGA

Umfakisicelo: Eskom Holdings SOC Ltd

Uchwepheshe Wokuhlolwa Kwemvelo (EAP): TGM Environmental Services CC

Inqubo Yezemvelo: Ukubhaliswa ngokwe-Standard for the Development of Power Lines and Substations within Identified Geographical Areas esebenzayo kanye nokugunyazwa kokusetshenziswa kwamanzi ngokwe-National Water Act, 1998 (Act No. 36 of 1998)

Usuku: 11 Septhemba 2026

1. Inhloso yalo Mqulu Wolwazi Oluyisisekelo

I-Eskom Holdings SOC Ltd ihlongoza ukuthuthukisa ingqalasizinda yokuxhuma kugridi kagesi edingekayo ukuze kuxhunywe i-Duvha Solar Photovoltaic (PV) Facility egunyaziwe kunethiwekhi kagesi ekhona yakwa-Eskom e-Duvha Power Station eduze nase-Emalahleni, eSifundazweni saseMpumalanga.

I-TGM Environmental Services CC iqokwe njengo-Environmental Assessment Practitioner (EAP) ozimele ukuze iqhube inqubo yezemvelo ehlobene nengqalasizinda yokuxhuma kugridi ehlongozwayo.

Inhloso yalo Background Information Document (BID) uku:

- ukwethula iphrojekthi ehlongozwayo kubantu nezinhlangano ezingaba yi-Interested and Affected Parties (I&APs);
- ukunikeza incazelo emfushane yentuthuko ehlongozwayo kanye nezinqubo ezisebenzayo zokugunyazwa kwezemvelo nokusetshenziswa kwamanzi;

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- ukunikeza ulwazi ngophenyo lwezemvelo olwenziwe;
- ukuhlonza nokubuyekeza uhlu lwababambiqhaza/lwama-I&AP; kanye
- nokunikeza abathintekayo ithuba lokubhalisa njenge-I&AP nokuthola olunye ulwazi mayelana nephrojekthi.

Le BID ayiyona inqubo esemthethweni yezinsuku ezingama-30 yokubuyekezwa komphakathi kwe-Draft Environmental Sensitivity Report (ESR). Ama-I&AP abhalisiwe azokwaziswa ngokwehlukana lapho i-Draft ESR isitholakala ukuze ibuyekezwe umphakathi.

2. Isendlalelo Sephrojekthi

I-Duvha Solar PV Facility isike yathola i-Environmental Authorisation. Iphrojekthi ehlongozwayo okukhulunywa ngayo kule BID iphathelene ngqo nengqalasizinda yokuxhuma kugridi edingekayo ukuze kuxhunywe i-Solar PV Facility egunyaziwe kunethiwekhi kagesi ekhona yakwa-Eskom.

Ingqalasizinda yokuxhuma kugridi ehlongozwayo itholakala ngaphakathi nangasemngceleni we-Duvha Power Station complex ekhona, kuMasipala Wendawo wase-Emalahleni, kuMasipala Wesifunda saseNkangala, eSifundazweni saseMpumalanga.

Iphrojekthi ingaphakathi kwe-International Strategic Transmission Corridor eshicilelwe kuGazethi.

3. Intuthuko Ehlongozwayo

Iphrojekthi ehlongozwayo ihlanganisa ukuthuthukiswa kwengqalasizinda yokuxhuma kugridi engu-132 kV edingekayo ukuze ugesi okhiqizwa yi-Duvha Solar PV Facility egunyaziwe udluliselwe kunethiwekhi ekhona yakwa-Eskom.

Ingqalasizinda ehlongozwayo ihlanganisa:

- i-substation entsha engu-132 kV ngaphakathi/eduze kwe-Duvha Power Station complex ebanzi;
- i-switching station entsha entshonalanga ye-Duvha Power Station;
- cishe amamitha angama-850 ekhebula elingu-132 kV elingaphansi komhlaba elixhumanisa i-substation ne-switching station ehlongozwayo;
- uxhumo olufushane olungaphezulu komhlaba lwe-132 kV Loop-In Loop-Out (LILO) phakathi kwe-switching station kanye nolayini okhona we-Duvha Colliery–Duvha Power Station 132 kV; kanye

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- nengqalasizinda nemisebenzi yokwakha ehambisana nalokhu, okubandakanya izisekelo, imisele yamakhebula, izinto zikagesi, izidingo zokufinyelela, izindawo zesikhashana zokwakha kanye nokuvuselelwa kwezindawo eziphazamisekile ngesikhathi sokwakha.

Idizayini yobunjiniyela enemininingwane kanye nokuhlelwa kokugcina kwemishini akukaphothulwa. Ngakho-ke ukuhlolwa kwezemvelo kwenziwa ngokusekelwe ezindaweni nasezinyathelweni zentuthuko ezichaziwe zengqalasizinda ehlongozwayo. Idizayini enemininingwane kuzodingeka ihlale ngaphakathi kwendawo yentuthuko ehloliwe ngokwezemvelo.

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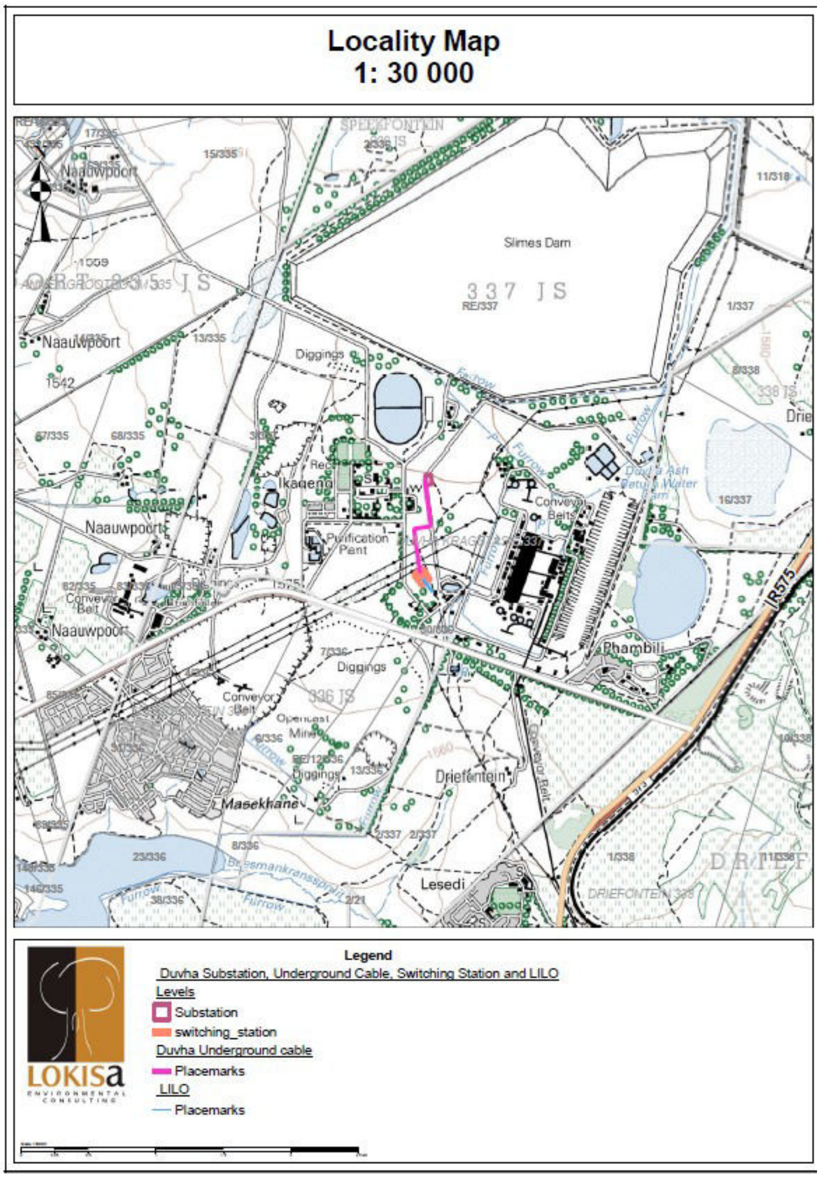

Umfanekiso 1: Imephu Yendawo

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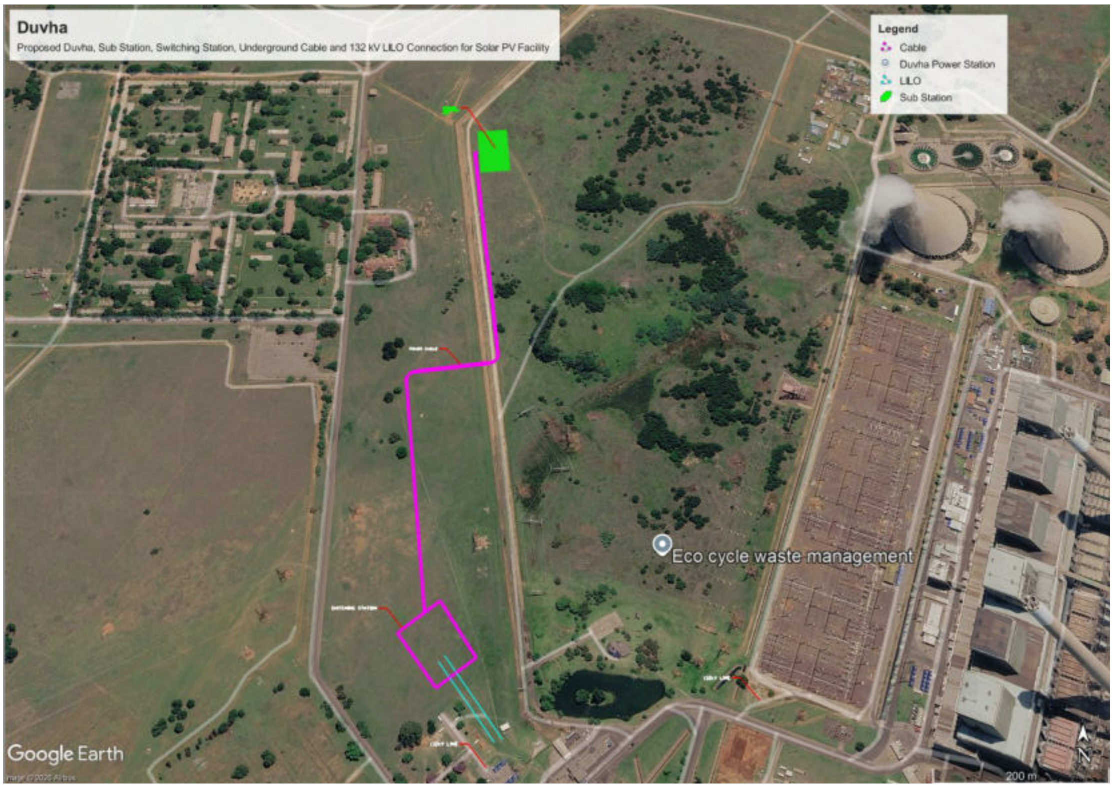

Umfanekiso 2: Uhlelo Lwephrojekthi Ehlongozwayo

4. Izinqubo Zokugunyazwa Kwezemvelo Nokusetshenziswa Kwamanzi

Ingqalasizinda yokuxhuma kugridi ehlongozwayo ihlolwa ngokuhambisana ne-Standard for the Development of Power Lines and Substations within Identified Geographical Areas esebenzayo.

Umhlangano wangaphambi kokufakwa kwesicelo wabanjwa ne-Department of Forestry, Fisheries and the Environment (DFFE) mhla zingama-25 Agasti 2026.

Ngemva kokucutshungulwa kwendawo yephrojekthi, ingqalasizinda ehlongozwayo kanye nokuzwela kwemvelo, iphrojekthi iqhubeka ngenqubo yokubhalisa esebenzayo.

Kulungiswa i-Environmental Sensitivity Report (ESR) ukuze kubhalwe ukuzwela kwemvelo kwendawo yentuthuko ehlongozwayo, imiphumela yophenyo lochwepheshe kanye nendlela izingqinamba zemvelo ezibe nomthelela ngayo ekuhlelweni kwephrojekthi ehlongozwayo.

I-Draft Environmental Sensitivity Report izobe isitholakala kuma-I&AP kanye neziphathimandla ezifanele isikhathi esingaphansi kwezinsuku ezingama-30 sokuphawula komphakathi.

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Intuthuko ehlongozwayo iphinde ibe ngaphansi kwezinhlinzeko ezisebenzayo ze-National Water Act, 1998 (Act No. 36 of 1998). Ukusetshenziswa kwamanzi okuhlobene nengqalasizinda ehlongozwayo kuyacutshungulwa futhi isicelo sokugunyazwa kokusetshenziswa kwamanzi esidingekayo sizothunyelwa ku-Department of Water and Sanitation (DWS).

Inqubo yokubamba iqhaza komphakathi yenziwa ukuze kunikezwe ama-I&AP ithuba lokuphawula ngentuthuko ehlongozwayo kanye nezindaba ezihlobene nemvelo nokusetshenziswa kwamanzi.

5. Uphenyo Lwezemvelo

Kwenziwe uphenyo oluningi lochwepheshe bezemvelo kanye nokuqinisekiswa kokuzwela kwemvelo mayelana nentuthuko ehlongozwayo.

Lokhu kubandakanya ukucutshungulwa kwalokhu:

- izinhlobonhlobo zezinto eziphilayo zasemhlabeni;
- izinhlobonhlobo zezinto eziphilayo zasemanzini kanye namaxhaphozi;
- izinyoni;
- izinsiza zamagugu;
- izinsiza ze-palaeontology;
- imithelela ebonakalayo;
- izindaba zenhlalo-mnotho;
- izinsiza zezolimo; kanye
- nezindaba zokuguquguquka kwesimo sezulu.

Imiphumela yochwepheshe isetshenziswa ukuthuthukisa uhlelo oluhlongozwayo nokuhlonza izidingo zokuphathwa kwemvelo kanye nezinyathelo zokunciphisa imithelela.

6. Izindaba Ezisemqoka Zezemvelo

Uphenyo lwezemvelo olwenziwe kuze kube manje luhlonze izici eziningana zemvelo okufanele zicatshangelwe ngesikhathi sokuhlela nokudizayina ingqalasizinda ehlongozwayo.

- Amaxhaphozi nezinsiza zasemanzini
  - Kukhona amaxhaphozi nezici zokugeleza kwamanzi ngaphakathi kwendawo ebanzi yephrojekthi.

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- Uhlelo lwephrojekthi selulungisiwe ukuze kugwenywe ixhaphozi elihlukanisiwe kanye ne-buffer ehambisana nalo engamamitha angama-32, lapho kusebenza khona.
- Ingqalasizinda ehlongozwayo iphinde ibe ngaphansi kwezidingo ezisebenzayo zokulawulwa kokusetshenziswa kwamanzi ngokwe-National Water Act, 1998, futhi isicelo sokugunyazwa kokusetshenziswa kwamanzi esidingekayo sizothunyelwa ku-Department of Water and Sanitation (DWS).

- Izinhlobonhlobo zezinto eziphilayo zasemhlabeni
  - Izindawo ezinokuzwela okuphezulu kwezinhlobonhlobo zezinto eziphilayo zasemhlabeni zihlonziwe ngaphakathi kwendawo ebanzi yephrojekthi, okubandakanya indawo ebucayi yotshani.
  - Uhlelo oluhlongozwayo selulungisiwe ukuze kugwenywe indawo ebucayi yasemhlabeni ngangokunokwenzeka.
- Izinyoni
  - Imithelela engaba khona ezinyonini iyacutshungulwa njengengxenye yokuhlolwa kwezemvelo.
  - Ukusetshenziswa kwekhebula elingu-132 kV elingaphansi komhlaba engxenyeni enkulu yoxhumo kunciphisa kakhulu ububanzi bengqalasizinda entsha engaphezulu komhlaba. Ingxenye entsha engaphezulu komhlaba ikhawulelwe kuxhumo olufushane lwe-LILO oludingekayo ukuze kuxhunywe kulayini okhona we-132 kV.

- Amagugu kanye ne-palaeontology
  - Kwenziwe uphenyo lwamagugu kanye ne-palaeontology.
  - Imiphumela kanye nezinyathelo ezinconyiwe zokunciphisa imithelela zizofakwa ku-Environmental Sensitivity Report kanye ne-Environmental Management Programme, lapho kusebenza khona.

- Izinsiza zezolimo
  - Ingxenye yengqalasizinda ehlongozwayo itholakala ngaphakathi kwe-Duvha Power Station complex ekhona futhi eduze kwemigwaqo nengqalasizinda yesiteshi sikagesi ekhona.
  - Indawo ethintekayo ngaphakathi kwesiteshi sikagesi okwamanje ayisetshenziselwa imisebenzi yezolimo futhi inemikhawulo ngenxa yokusetshenziswa kwayo kwamanje kwezimboni, ubukhulu obulinganiselwe kanye nokuma kwayo.

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- Indawo yezimboni ekhona
  - Ingxenye enkulu yentuthuko ehlongozwayo itholakala ngaphakathi noma eduze kakhulu kwe-Duvha Power Station complex ekhona.
  - Ukusetshenziswa kwezindawo zezimboni ezikhona, izindawo eseziphazamisekile kanye namaphaseji engqalasizinda kubekwe phambili, lapho kungenzeka khona, ukuze kuncishiswe ukuphazamiseka okwengeziwe kwemvelo ezungezile.

7. Ukucutshungulwa Kwezinye Izindlela

Kucatshangelwe ezinye izindawo nemizila ngesikhathi senqubo yokuhlolwa kwezemvelo.

Uhlelo lwephrojekthi luye lwalungiswa kancane kancane ngenxa yalezi zinto:

- izidingo zobunjiniyela;
- izingqinamba zamaxhaphozi nezamanzi;
- ukuzwela kwezinhlobonhlobo zezinto eziphilayo zasemhlabeni;
- izincomo zochwepheshe;
- ingqalasizinda yakwa-Eskom ekhona;
- imigwaqo ekhona nezindawo eseziphazamisekile; kanye
- nesidingo sokunciphisa indawo yonke ethintwa yintuthuko ngokwezemvelo.

Uhlelo lokugcina olukhethwayo luzonqunywa ngokucabangela ukuhlolwa kwezemvelo, izidingo zobunjiniyela kanye nemibono etholwe ngenqubo yokubamba iqhaza komphakathi.

8. Inqubo Yokubamba Iqhaza Komphakathi

I-TGM Environmental Services CC njengamanje ihlonza abantu nezinhlangano ezingaba nentshisekelo noma zithinteke ukuze zifakwe ohlwini lwababambiqhaza bephrojekthi.

Inqubo yokubamba iqhaza komphakathi izophinde yazise ama-I&AP ngenqubo yokugunyazwa kokusetshenziswa kwamanzi eyenziwa ngokwe-National Water Act futhi inikeze ithuba lokuthi kuphakanyiswe izindaba nokukhathazeka okuhlobene nokusetshenziswa kwamanzi ukuze kucatshangelwe.

Le BID isatshalaliswa kubabambiqhaza abahlonziwe kanye nabantu abangase bathinteke noma babe nentshisekelo ukuze kumenyezelwe iphrojekthi futhi kunikezwe ithuba lokubhalisa njenge-I&AP.

Abantu ababhalisa njengama-I&AP bazothola izaziso ezengeziwe mayelana nezinqubo zokugunyazwa kwezemvelo nokusetshenziswa kwamanzi, okuhlanganisa nesaziso lapho i-

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Draft Environmental Sensitivity Report isitholakala ngesikhathi esisemthethweni sezinsuku ezingama-30 sokubuyekezwa nokuphawula komphakathi.

Ukubamba iqhaza komphakathi okuhlobene ne-Draft Environmental Sensitivity Report kuzobandakanya, lapho kusebenza khona:

- ukwazisa ama-I&AP abhalisiwe kanye neziphathimandla ezifanele;
- isikhangiso ephephandabeni;
- izaziso endaweni;
- ukwazisa abanikazi bomhlaba/abahlali bezindawo eziseduze kanye nababambiqhaza abafanele; kanye
- ukutholakala kwe-Draft Environmental Sensitivity Report kanye nemibhalo yochwepheshe esekelayo ukuze ibuyekezwe.

9. Indlela Yokubhalisa Njenge-Interested and Affected Party

Uma ufisa ukubhalisa njenge-Interested and Affected Party kule phrojekthi ehlongozwayo, sicela unikeze i-TGM Environmental Services CC lolu lwazi olulandelayo:

Igama nesibongo:

Inhlangano, uma ikhona:

Ikheli leposi/lendawo:

Inombolo yocingo:

Ikheli le-imeyili:

Intshisekelo yakho kuphrojekthi:

Imininingwane yanoma yimuphi umuntu ocabanga ukuthi naye angaba nentshisekelo noma athinteke yiphrojekthi:

Uyemukeleka futhi ukunikeza noma yiziphi izindaba noma ukukhathazeka kokuqala kwezemvelo ocabanga ukuthi kufanele kucatshangelwe ngesikhathi kulungiswa i-Draft Environmental Sensitivity Report.

Sicela uqaphele: inhloso enkulu yale BID ukumemezela iphrojekthi nokusungula/ukubuyekeza uhlu lwama-I&AP. Kuzonikezwa elinye ithuba elihlukile lokuphawula ngokusemthethweni nge-Draft Environmental Sensitivity Report ngesikhathi esibekiwe sokubuyekezwa komphakathi.

10. Kwenzekani Ngokulandelayo?

Ngemva kokusatshalaliswa kwale BID:

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1. **Uhlu lwama-I&AP**

   Ababambiqhaza abangaba khona bazohlonzwa futhi abantu abacela ukubhaliswa bazofakwa ohlwini lwama-I&AP ephrojekthi.

2. **Environmental Sensitivity Report**

   Imiphumela yochwepheshe kanye nolwazi lokuzwela kwemvelo kuzofakwa ku-Draft Environmental Sensitivity Report.

3. **Ukubuyekezwa okusemthethweni komphakathi**

   Ama-I&AP abhalisiwe kanye neziphathimandla eziphawulayo bazokwaziswa lapho i-Draft Environmental Sensitivity Report isitholakala ngesikhathi esingaphansi kwezinsuku ezingama-30 sokuphawula komphakathi.

4. **Ukucutshungulwa kwemibono**

   Imibono etholiwe izorekhodwa ku-Comments and Responses Report futhi icatshangelwe lapho kuphothulwa uhlelo lwephrojekthi nemibhalo yezemvelo.

5. **Ukubhaliswa ne-DFFE**

   Ngemva kokuphothulwa kwenqubo yezemvelo, i-Final Environmental Sensitivity Report kanye nemibhalo yokubhalisa kuzothunyelwa ku-DFFE ngomzila wokubhalisa osebenzayo woMnyango.

6. Ukugunyazwa Kokusetshenziswa Kwamanzi

   Isicelo esidingekayo sokugunyazwa kokusetshenziswa kwamanzi kanye nemibhalo esekelayo kuzothunyelwa ku-Department of Water and Sanitation ngokuhambisana nezidingo ze-National Water Act, 1998.

11. Imininingwane Yokuxhumana

Konke ukubhaliswa, imibono kanye nemibuzo mayelana nezinqubo zokugunyazwa kwezemvelo nokusetshenziswa kwamanzi kufanele kuthunyelwe ku:

TGM Environmental Services CC

Qondisa ku: Elaine Minnaar

Email: elaine@tgmenviron.co.za

Tel: 0824939616

Inkomba yephrojekthi: Isiteshi Esincane Sase-Duvha Esihlongozwayo, i-Switching Station, Ikhebula Elingaphansi Komhlaba kanye Nokuxhunywa kwe-132 kV LILO kwe-Solar PV Facility