



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(For official use only)
File Reference Number:	
NEAS Reference Number:	DEA/EIA/
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2014 (the Regulations)

#### PROJECT TITLE

Proposed Construction of Make-up and Raw Water Supply Pipeline at the Medupi Coal Fired Power Station

Indicate if the **DRAFT** report accompanies the application

Yes

No

#### Kindly note that:

1. This application form is current as of 1 April 2016. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. The use of the phrase "not applicable" in the form must be done with circumspection.
5. This application must be handed in at the offices of the National Department of Environmental Affairs where the Minister is the competent authority in respect of the application.
6. No faxed or e-mailed applications will be accepted. An electronic copy (in the form of a CD) of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
7. Unless protected by law, all information filled in on this application form may become public information on receipt by the competent authority.
8. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
9. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

# PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

## Departmental Details

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

**Postal address:**

Department of Environmental Affairs  
Attention: Director: Integrated Environmental Authorisations  
Private Bag X447  
Pretoria  
0001

**Physical address:**

Department of Environmental Affairs  
Attention: Director: Integrated Environmental Authorisations  
Environment House  
473 Steve Biko Road  
Arcadia  
Pretoria

Queries must be addressed to the contact below:

E-mail: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

***Please note that this form must be copied to the relevant provincial environmental department/s.***

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

# PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

## 1. PROOF OF PAYMENT

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as <b>Appendix 1</b>	
Exclusion applies	<b>X</b>

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or  
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	<b>X</b>

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	

Department of Environmental Affairs' details for the payment of application fees:

<p><b>Payment Enquiries:</b> Tel: 012 399 9119 Email: <a href="mailto:eiafee@environment.gov.za">eiafee@environment.gov.za</a></p> <p><b>Banking details:</b> ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account</p> <p>Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number: .....<b>N/A</b>.....</p>
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# PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

## 2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

Medupi Power Station is being constructed with installation of Flue Gas Desulphurisation (FGD) system, to manage sulphur dioxide (SO<sub>2</sub>) emissions, to each of the six 800 MegaWatt (MW) coal fired steam electric generating units. The FGD Project will result in the addition of wet limestone open spray tower FGD systems to each of the operating units. To support the FGD operation, substantial raw water is required, and this water will be supplied from the Mokolo Crocodile Water Augmentation Project – Phase 2 (MCWAP-2).

To deliver this additional water supply, Eskom Holdings SOC Limited (Eskom) proposes to construct a raw water supply pipeline of approximately 5 500 metres in length, in total, mostly within its premises at the Medupi Power Station on farms Naauw Ontkomen 509 LQ, Portion 0, Eenzaamheid 687 LQ, Portion 0 and Kuipersbult 511 LQ, Portion 0, in Lephalale, Ward 2, Lephalale Local Municipality, Limpopo.

The proposed pipeline will comprise two (2) segments, with the first (raw water pipeline) collecting water from an offtake point of the MCWAP-2 pipeline on the north of the site. This pipeline will transfer water to Eskom's two holding reservoirs (Mokolo Water Reservoir or Crocodile West Water Reservoir). However, water will be taken primarily from the Crocodile West Water Reservoir. The second segment (FGD makeup water pipeline) collects water from the reservoirs and conveys it to the FGD Makeup Water Supply System. The function of the FGD Makeup Water Supply System will be to pre-treat and distribute makeup water from the holding reservoirs to the FGD Process Water Tanks and the Wastewater Treatment Plant. The existing raw water pump house has provision for a compartment for the FGD raw water pumps.

The proposed pipelines are to be established within the Medupi Power Station site boundary except where it crosses underneath a road and railway. **Figure 1** shows the proposed pipeline alignment (i.e. preferred pipeline route) indicated in red from an offtake point (which was provided by the Department of Water and Sanitation) and in yellow from the pump transfer house from the reservoirs to the FGD plant. The pipeline route alternatives considered are described in the Basic Assessment Report (BAR) issued along with this application and will be made for public review.



# PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

## **LAYOUT AND DESCRIPTION**

The proposed pipeline route will begin at the MCWAP-2 pipeline offtake point, which is to the north of the site. The pipeline will be buried underground from just beyond the offtake point until it reaches the ash conveyor transfer house, where it will move aboveground in order to protect the integrity of this transfer house. After passing through the ash conveyor transfer house, the pipeline will be buried underground again, crossing under the railway line and the Kuipersbult Road until it reaches the raw water dams' boundary fence where it moves aboveground and crosses the new pipeline going to the FGD system and crossing the existing raw water lines to the power station. It then goes below ground to the raw water dam valve station where it connects to the existing terminal point. Eskom's raw water holding dams are made up of two compartments, the Mokolo Water Reservoir and the Crocodile West Water Reservoir. Water for the FGD system will be taken primarily from the Crocodile compartment of the raw water holding reservoir. The corridor with the pipeline route from the MCWAP-2 offtake point to the reservoirs is already impacted as a result of existing operations within the Medupi site, including truck movements for ash disposal as well as a storage yard, however, some vegetation clearance (shrubs, trees and grass) will be required within the pipeline servitude, but will be done to a scale of less than a hectare. There will be no requirement for the construction of access roads as existing access roads within the Medupi site will be used. The pipeline will be buried deeper at railway and road crossings in order to protect the integrity of this infrastructure. There will also be reinforcement structures under the rail and road crossings. No routing alternatives were considered for this pipeline segment as it is the only feasible route from the offtake point. However, the assessment will be undertaken for a corridor as wide as 32m, which is an available corridor that is bordered by existing station activities. Eskom will require a 32m corridor for potential area to lay the pipeline, but will only clear 8m for majority of pipeline and 12m where the pipelines run together (from reservoir pump house until after road and rail crossing).

After raw water is deposited into the reservoirs, the second pipeline segment will be required in order to transfer water to the FGD system. This pipeline starts from the pump house at the reservoirs with a 32m corridor, and will mainly collect water from the Crocodile compartment as mentioned before (although water can also be conveyed from the Mokolo compartment as part of the design contingency for maintenance and emergency purposes). The pipeline exits the pump house and runs underground on the north side of the existing pipeline. The line turns east of the gravel road on the west of the site boundary and passes under the Kuipersbult Road at the same point as the other pipeline. The line passes under the railway line and turns east at the station boundary, and runs outside the station boundary for 250m where it enters the rail yard fence. The line runs east alongside the rail yard fence between the existing power station National Key Point (NKP) fences. The two inner fences will be relocated to the north of the rail yard. At the eastern end of the rail yard, the pipeline will turn north and then east within the NKP fence. At this point, the pipeline will move above ground. The pipeline will then turn to the north on the east side of Road 3 (Ring Road West). Finally, it will turn into the FGD Raw Water Pre-treatment Plant at the Gypsum Sales Loading Facility.

During construction, all the topsoil and subsoil removed and will be stored along the pipeline servitude at a safe distance to prevent unwanted backfilling of the pipeline path before works are conducted. The soil will then be used as backfill after the pipeline is laid in the same order in which it was removed.

The reasons why this pipeline route is preferred over the other six alternatives considered in the BAR is because:

- The line passes under the Kuipersbult Road and the railway line at the same location as the Mokolo Crocodile Water Augmentation Project – Phase 2 (MCWAP-2) pipeline, therefore, requires a single road crossing and culvert under the railway line for both pipelines, which reduces costs;
- The area of vegetation required to be removed over is minimal compared to the other options which require more vegetation clearance;
- Authorised rail siding construction activities will be occurring in the area where the pipeline will be routed, therefore, limiting disturbances to the area during a similar period of time;
- The crossing from the Kuipersbult Road to the site is well away from environmentally sensitive areas (wetlands outside the NKP fence); and

## PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

- The pipeline runs within the rail yard and power station perimeter fences for the majority of the routing in an area that is not constrained with existing servitudes and will not result in any additional environmental impact.

### **OPERATIONAL ACTIVITIES**

The operational phase will commence once the FGD systems are ready to be implemented. Pipeline will be operated to transfer water and any other works are only needed when maintenance activities are done on the site.

### **DECOMMISSIONING ACTIVITIES**

Decommissioning will be considered as part of the decommissioning of the broader facility which will be subject to a separate authorisation and impact assessment process.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?		NO
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If YES, please indicate which SIPs are applicable in **Appendix 2**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **Appendix 2**

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?		NO
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Please indicate which sector the project falls under by crossing out the relevant block in the table below:

**Table 1**

Green economy + “Green” and energy-saving industries		Greenfield transformation to urban or industrial form (including mining)
Infrastructure – electricity (generation, transmission & distribution)		Biodiversity or sensitive area related activities
Oil and gas		Mining value chain
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments
Nuclear		Boat building
Basic services (local government) – electricity and electrification		Manufacturing – automotive products and components, and medium and heavy commercial vehicles
Basic services (local government) – area lighting		Manufacturing – plastics, pharmaceuticals and chemicals
Infrastructure – transport (ports, rail and road)		Manufacturing – clothing textiles, footwear and leather
Basic services (local government access roads)		Forestry, paper, pulp and furniture
Basic services (local government) – public transport		Business process servicing
Infrastructure – water (bulk and reticulation)	X	Advanced materials
Basic services (local government) – sanitation		Aerospace

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Basic services (local government) – waste management		Basic services (local government) – education	
Basic services (local government) water		Basic services (local government) – health	
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) - housing	
Infrastructure – information and communication technology		Basic services (local government) security of tenure	
Tourism + strengthening linkages between cultural industries and tourism		Other	
Basic services (local government) – public open spaces and recreational facilities			

**Table 2**

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.		<b>NO</b>
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:		

## PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

### 3. GENERAL INFORMATION

Applicant name:	Eskom Holdings SOC Limited		
Registration number (if applicant is a company):	2002/015527/06		
Trading name (if any):	Eskom Holdings SOC Limited		
BBBEE status	Level Three Contributor		
Responsible person name (If the applicant is a company):	Deidre Herbst		
Applicant/ Responsible person ID number:	N/A. This application is not a private application, but executed on behalf of Eskom Holdings SOC Ltd.		
Responsible position, e.g. Director, CEO, etc.:	Eskom Environmental Manager		
Physical address:	Eskom Megawatt Park, 1 Maxwell Drive Sunninghill, Johannesburg		
Postal address:	P.O. Box 1091 Sunninghill, Johannesburg		
Postal code:	2157	Cell:	083 660 1147
Telephone:	011 800 3501	Fax:	086 660 6092
E-mail:	<a href="mailto:HerbstDL@eskom.co.za">HerbstDL@eskom.co.za</a>		

Provincial Authority:	Limpopo Department of Economic Development, Environment and Tourism		
Contact person:	Tsakane Tshuketana		
Postal address:	Private Bag X 9484, Polokwane		
Postal code:	0700	Cell:	N/A
Telephone:	015 293 8300	Fax:	015 293 8317
E-mail:	<a href="mailto:TshuketanaTL@ledet.gov.za">TshuketanaTL@ledet.gov.za</a>		

Local municipality:	Lephalale Local Municipality		
Contact person:	Jack Moloko Maeko		
Postal address:	P.O. Box X136, Lephalale		
Postal code:	0555	Cell:	N/A
Telephone:	014 763 2193	Fax:	014 763 5662
E-mail:	<a href="mailto:moloko.maeko@lephalale.gov.za">moloko.maeko@lephalale.gov.za</a>		

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:	Eskom Holdings SOC Limited		
Contact person:	Deidre Herbst		
Postal address:	P.O. Box 1091 Sunninghill, Johannesburg		
Postal code:	2157	Cell:	083 660 1147
Telephone:	011 800 3501	Fax:	086 660 6092
E-mail:	<a href="mailto:HerbstDL@eskom.co.za">HerbstDL@eskom.co.za</a>		

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, **written consent** of landowner/s must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs (DEA) (Ms Matlodi Mogorosi as the Case Officer as per pre-application meeting)
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## PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

Reason(s) in terms of S24C of NEMA 1998 as amended:

Applicant is an organ of state

### 4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:	WSP Environmental (Pty) Ltd			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition	135%
Professional affiliation/registration:	None			
Contact person:	Tutayi Chifadza			
Company:	WSP Environmental (Pty) Ltd			
Physical address:	Building C, Knightsbridge, 33 Sloane Street, Bryanston			
Postal address:	PO Box 98867, Sloane Park			
Postal code:	2191	Cell:	073 770 1635	
Telephone:	011 361 1390	Fax:	011 361 1301	
E-mail:	Tutayi.Chifadza@wsp.com			

The appointed EAP must meet the requirements of Regulation 13 of GN R.982, dated December 2014. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **Appendix 9**.

### 5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Limpopo Province
District Municipality	Waterberg District Municipality
Local Municipality	Lephalale Local Municipality
Ward number(s)	2
Nearest town(s)	Lephalale
Farm name(s) and number(s)	Naauw Ontkomen 509 LQ, Eenzaamheid 687 LQ and Kuipersbult 511LQ
Portion number(s)	Portions 0, 0 and 0

Surveyor General 21 digit code

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **Appendix 5**.)

T	0	L	Q	0	0	0	0	0	0	0	0	5	0	9	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	6	8	7	0	0	0	0	0
T	0	L	Q	0	0	0	0	0	0	0	0	5	1	1	0	0	0	0	0
1	2	3	4	5															

Are there any other applications for Environmental Authorisation on the same property?	YES
If YES, please indicate the following:	
Competent Authority	Department of Environmental Affairs
Reference Number	12/12/20/695
Project Name	Medupi Power Station and associated infrastructure

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Competent Authority	Department of Environmental Affairs
Reference Number	12/12/20/1139
Project Name	Medupi Raw Water Reservoirs and associated pipelines
A pre-application meeting was held with the competent authority (DEA) who confirmed that there is a pending Environmental Authorisation application on the same property.	

### 6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

Detailed description of listed activities associated with the project	
Listed activity as described in GN R 983, 984 and 985	Description of project activity that triggers listed activity
<b>e.g. GN R.983 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse</b>	<b>e.g. A bridge measuring 110 square metres will be constructed within the watercourse</b>
<p><b><u>Listing Notice 1 – GNR 327, Activity 9:</u></b>  <i>The development of infrastructure exceeding 1 000 metres in length for the bulk transportation of water or storm water—</i>  <i>(i) with an internal diameter of 0.36 metres or more; or</i>  <i>(ii) with a peak throughput of 120 litres per second or more;</i>  <i>Excluding where</i>  <i>(a) such infrastructure is for bulk transportation of water or storm water drainage inside a road reserve or railway line reserve; or</i>  <i>(b) where such development will occur within an urban area.</i></p>	Construction of two pipeline segments totalling approximately 5 500 metres for bulk transportation of raw water to the FGD system. Please note that the design stage identified a 0.9 metre internal diameter pipeline that triggers this activity. See <b>Appendix 6</b> for pipeline route details.
<p><b><u>Listing Notice 1 – GNR 327, Activity 12:</u></b>  <i>The development of:</i>  <i>(ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs—</i>  <i>(a) within a watercourse</i></p>	The proposed construction of a raw water pipeline is an underground pipeline is within 500m of wetlands. The proposed pipeline segments will exceed the 100 square metre threshold footprint.
<p><b><u>Listing Notice 1 – GNR 327, Activity 19:</u></b>  <i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</i>  <i>But excluding where such infilling, depositing, dredging, excavation, removal or moving—</i>  <i>(a) will occur behind a development setback;</i>  <i>(b) is for maintenance purposes undertaken in accordance with a maintenance plan;</i>  <i>(c) falls within the ambit of activity 21 in this Notice, in which case that activity applies;</i></p>	The proposed raw water pipeline comprises an underground and on-surface sections of the pipeline. As such, for the underground sections, dredging, excavation and removal of soil of more than 10 cubic metres will be conducted so as to bury the pipeline underground. Infilling of the area will be done using the same material as backfill after the pipeline has been installed in order to cover it up. The proposed area is within 500 metres of a wetland, hence within a watercourse.

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<p>(d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or</p> <p>(e) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies.</p>	
<p><b>Listing Notice 1 – GNR 327, Activity 27:</b>  <i>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for–</i></p> <p>i) the undertaking of a linear activity; or</p> <p>ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Eskom will require a 32m corridor for potential area to lay the pipeline, but will only clear 8m for majority of pipeline and 12m where the pipelines run together (from reservoir pump house until after road and rail crossing). The proposed pipeline servitude will require clearance of at least 1 hectare but less than 20 hectares.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

### 7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R .982, dated December 2014.

The public participation process will include consultation with (1) the competent authority, (2) state department that administers a law relating to the project, (3) all organs of state which have jurisdiction in respect of the activity to which the application relates, (4) all potential, or, where relevant, registered interested and affected parties. In order to satisfy this requirement, the EAP will undertake the following consultations:

- Competent Authority – The application form will be the first of the formal consultations with the DEA. The EAP undertakes to engage in on-going communications with the DEA (preferably directly with the allocated case officer). To-date, a pre-application meeting was held with the Competent Authority on 20 March 2019, and the project was presented, together with the execution plan for the BA process.
- All organs of state which have jurisdiction in respect of the activity to which the application relates:
  - National Level: The DEA Biodiversity Conservation Unit will be consulted for comment based on the specialist findings and consider the project in this regard.
  - National Level: The Department of Water and Sanitation (DWS) will be consulted for comment owing to the proximity of the project to wetlands.
  - National Level: The South African Heritage Resource Agency (SAHRA) will be consulted for comment on the heritage impact assessment exemption letter compiled by the specialist.
  - Provincial Level: The Limpopo Department of Economic Development, Environment and Tourism (LEDET) will be a commenting authority on the project and will get a copy of the reports for review.

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- District Level: The Waterberg District Municipality will also be consulted on the project as a commenting authority and will get a copy of the reports for review. The internal social department which governs environmental management will be approached.
- Local Level: The Lephalale Local Municipality is the local authority governing the proposed project area. The Municipality is responsible for managing the various wards which make up the proposed project area and surrounds. The project area is in Ward 2. The internal Strategic Support Services Department has a Public Participation division that will be approached.
- All potentially registered I&APs – The EAP will use the existing stakeholder database as a starting point for the project. The database will be updated following any stakeholder request to be registered following the posting of an advert and site notices. The Environmental Monitoring Committee (EMC) will also be used as a point of contact and to communicate the project. The use of site notices, Notification Letters, email and sms will be used as methods in which to reach potential I&APs.

All registered I&APs, who may have a direct effect or interest on the proposed project or are directly or indirectly impacted by the proposed project, have the right to lodge a comment/question on the project (until such time that the appeals process comes to a close).

In accordance with GNR 326 Section 41(2)(a-b), site notices were developed and will be placed at relevant strategic places. The site notices will serve to inform the occupiers of the land along with the newspaper advert and existing stakeholder database.

In accordance with GN. R 326 41(2)(c) of Chapter 6, an advert will be placed in the Mogol Post and Northern News newspapers.

Should the EAP identify an affected stakeholder, and be made aware of his/her existence by the ward councillor, efforts will be made to ensure his/her participation in the stakeholder engagement process [as required by Section 41(2) (e) of Chapter 6].

In addition to the minimum requirements outlined in GNR 326, the EAP will undertake the following:

- Distribution of notification letters to stakeholders via email and bulk sms (where contact details are available).

Any stakeholder who submits a comment along the course of the process will be automatically registered on the project specific stakeholder database.

All stakeholder comments that will be received during the draft Basic Assessment Report (BAR) review period will be included in the final BAR in the form of a comments and responses report (CRR) and submitted to the competent authority.

The draft BAR will be placed on public review for a period of 30 days from **15 May 2019 to 14 June 2019**, at the Ellisras Public Library, Marapong Public Library and the Mogol Golf Club. The report will also be made available on the WSP website (<http://www.wsp-pb.com/en/WSP-Africa/What-we-do/Services/All-Services-A-Z/Technical-Reports/>), as well as the Eskom website at: ([http://www.eskom.co.za/OurCompany/SustainableDevelopment/EnvironmentalImpactAssessments/Pages/Environment\\_Impact\\_Assessments.aspx](http://www.eskom.co.za/OurCompany/SustainableDevelopment/EnvironmentalImpactAssessments/Pages/Environment_Impact_Assessments.aspx)).

All registered stakeholders and authorising/commenting state departments will be notified of the public review period as well as the locations of the draft BAR via email and bulk sms.

No specific public meeting will be held regarding the project, however, as was discussed with the DEA during the pre-application meeting, WSP will use the existing Environmental Monitoring Committee (EMC) meeting to present the project as part of PPP since this forum has more attendees and has greater impact than the normal public participation meeting that only brings in limited individuals. This will be done if the EMC meeting is conducted during the PPP period.

All concerns, comments, viewpoints and questions (collectively referred to as 'issues') will be documented and responded to adequately in a CRR. The CRR records the following:

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- List of all issues raised;
- Record of who raised the issues;
- Record of where the issues were raised;
- Record of the date on which the issue was raised; and
- Response to the issues.

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PIPELINE AT THE MEDUPI COAL FIRED POWER STATION**

**8. OTHER AUTHORISATIONS REQUIRED**

<b>LEGISLATION</b>	<b>AUTHORISATION REQUIRED</b>		<b>APPLICATION SUBMITTED</b>	
<b>SEMA</b> s				
National Environmental Management: Air Quality Act		NO		NO
National Environmental Management: Biodiversity Act		NO		NO
National Environmental Management: Integrated Coastal Management Act		NO		NO
National Environmental Management: Protected Areas Act		NO		NO
National Environmental Management: Waste Act		NO		NO
<b>National legislation</b>				
Mineral Petroleum Development Resources Act		NO		NO
National Water Act	YES			NO
National Heritage Resources Act		NO		NO
Others: Please specify		NO		NO

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

Note that in terms of sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ICMA, a pre-approval for a reclamation application in terms of the ICMA should first be issued by the Minister prior to the submission of a NEMA Chapter 5 EA application to the NEMA competent authority (CA).

**9. LIST OF APPENDICES**

		<b>SUBMITTED</b>	
Appendix 1	Proof of Payment		N/A
Appendix 2	Strategic Infrastructure Projects		N/A
Appendix 3	List of Local Municipalities (with contact details)		N/A
Appendix 4	List of land owners (with contact details) and written consent of land owners.		N/A
Appendix 5	List of SGIDs		N/A
Appendix 6	Project map	YES	
Appendix 7	Project schedule	YES	
Appendix 8	Declaration of Applicant	YES	
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	YES	
Appendix 10	DEA Pre-Application Meeting Minutes	YES	

PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

APPENDIX 1

PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION

**Not Applicable – Eskom Holdings SOC Limited is an Organ of State**

# PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

## APPENDIX 2

### STRATEGIC INFRASTRUCTURE PROJECTS

Not Applicable

#### **SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst**

- Unlock mineral resources
- Rail, water pipelines, energy generation and transmission infrastructure
- Thousands of direct jobs across the areas unlocked
- Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project
- Rail capacity to Mpumalanga and Richards Bay
- Shift from road to rail in Mpumalanga
- Logistics corridor to connect Mpumalanga and Gauteng.

#### **SIP 2: Durban-Free State-Gauteng logistics and industrial corridor**

- Strengthen the logistics and transport corridor between SA’s main industrial hubs
- Improve access to Durban’s export and import facilities
- Integrate Free State Industrial Strategy activities into the corridor
- New port in Durban
- Aerotropolis around OR Tambo International Airport.

#### **SIP 3: South-Eastern node & corridor development**

- New dam at Mzimvubu with irrigation systems
- N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains
- Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape
- A manganese sinter (Northern Cape) and smelter (Eastern Cape)
- Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.

#### **SIP 4: Unlocking the economic opportunities in North West Province**

- Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure
- Enabling reliable supply and basic service delivery
- Facilitate development of mining, agricultural activities and tourism opportunities
- Open up beneficiation opportunities in North West Province.

#### **SIP 5: Saldanha-Northern Cape development corridor**

- Integrated rail and port expansion
- Back-of-port industrial capacity (including an IDZ)
- Strengthening maritime support capacity for oil and gas along African West Coast
- Expansion of iron ore mining production and beneficiation.

#### **SIP 6: Integrated municipal infrastructure project**

Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.



## PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

<p><b>SIP 7: Integrated urban space and public transport programme</b>          Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	
<p><b>SIP 8: Green energy in support of the South African economy</b>          Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p>	
<p><i>Indicate capacity in MW:</i></p>	
<p><b>SIP 9: Electricity generation to support socioeconomic development</b>          Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p>	
<p><i>Indicate capacity in MW:</i></p>	
<p><b>SIP 10: Electricity transmission and distribution for all</b>          Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development.          Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	
<p><b>SIP 11: Agri-logistics and rural infrastructure</b>          Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&amp;D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p><b>SIP 12: Revitalisation of public hospitals and other health facilities</b>          Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p><b>SIP 13: National school build programme</b>          A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p><b>SIP 14: Higher education infrastructure</b>          Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	
<p><b>SIP 15: Expanding access to communication technology</b>          Provide for broadband coverage to all households by 2020 by establishing core Points of Presence</p>	

## PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

(POPs) in district municipalities, extend new fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas.

While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity.

The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.

### **SIP 16: SKA & Meerkat**

SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.

### **SIP 17: Regional integration for African cooperation and development**

Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.

The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.

All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.

### **SIP 18: Water and sanitation infrastructure**

A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.

The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.

**PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION**

**APPENDIX 3 (IF APPLICABLE)**

**LIST OF LOCAL MUNICIPALITIES**

**NOT APPLICABLE. THE LEPHALALE LOCAL MUNICIPALITY HAS BEEN LISTED IN SECTION 3**

**PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION**

**APPENDIX 4**

**LIST OF LAND OWNERS  
WRITTEN CONSENT OF LAND OWNERS**

**NOT APPLICABLE. THE APPLICANT (ESKOM) IS THE LANDOWNER AND HAS BEEN LISTED IN  
SECTION 3**

PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

APPENDIX 5 (IF APPLICABLE)

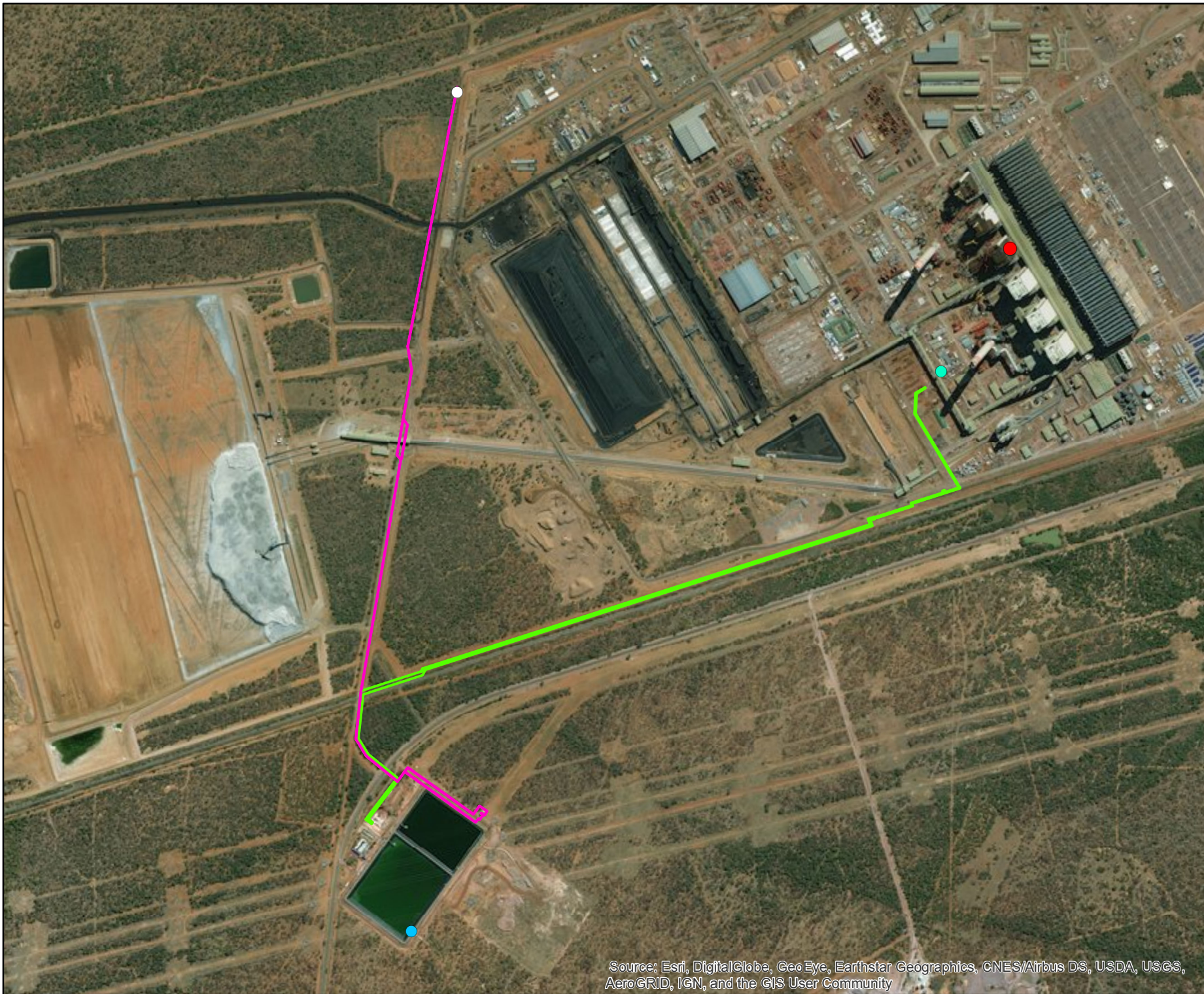
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES  
(WHERE SGID AND FARM NAME ARE NOT AVAILABLE)

NOT APPLICABLE. THE SGID FOR THE SITE HAS BEEN LISTED IN SECTION 5 AS REQUIRED

**PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION**

**APPENDIX 6**

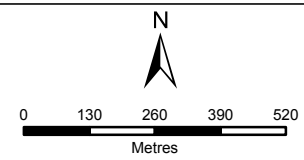
**PROJECT MAP**



# ESKOM SITE LAYOUT

## Legend

- FGD System
- Offtake Point
- Eskom Water Reservoirs
- Medupi Power Station
- Make-up Water Supply
- Raw Water Pipeline



**DISCLAIMER**  
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 Tel +27 (0)11 361 1380, Fax +27 (0)11 361 1381, [wsp@wspgroup.co.za](mailto:wsp@wspgroup.co.za)

DATA SOURCE:  
 GARMIN STREETS

PROJECTION: GCS\_WGS\_1984

PROJECT TITLE:  
 ESKOM RAW WATER PIPELINE BA & WULA

SCALE: 1:15,000	DRAWN BY: SINENHLANHLA RADEBE
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DATE: 2019/04/24	REVIEWED BY: TUTAYI CHIFADZA
------------------	------------------------------

FIGURE NO: 2	PROJECT NO: 41101556	REV:
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

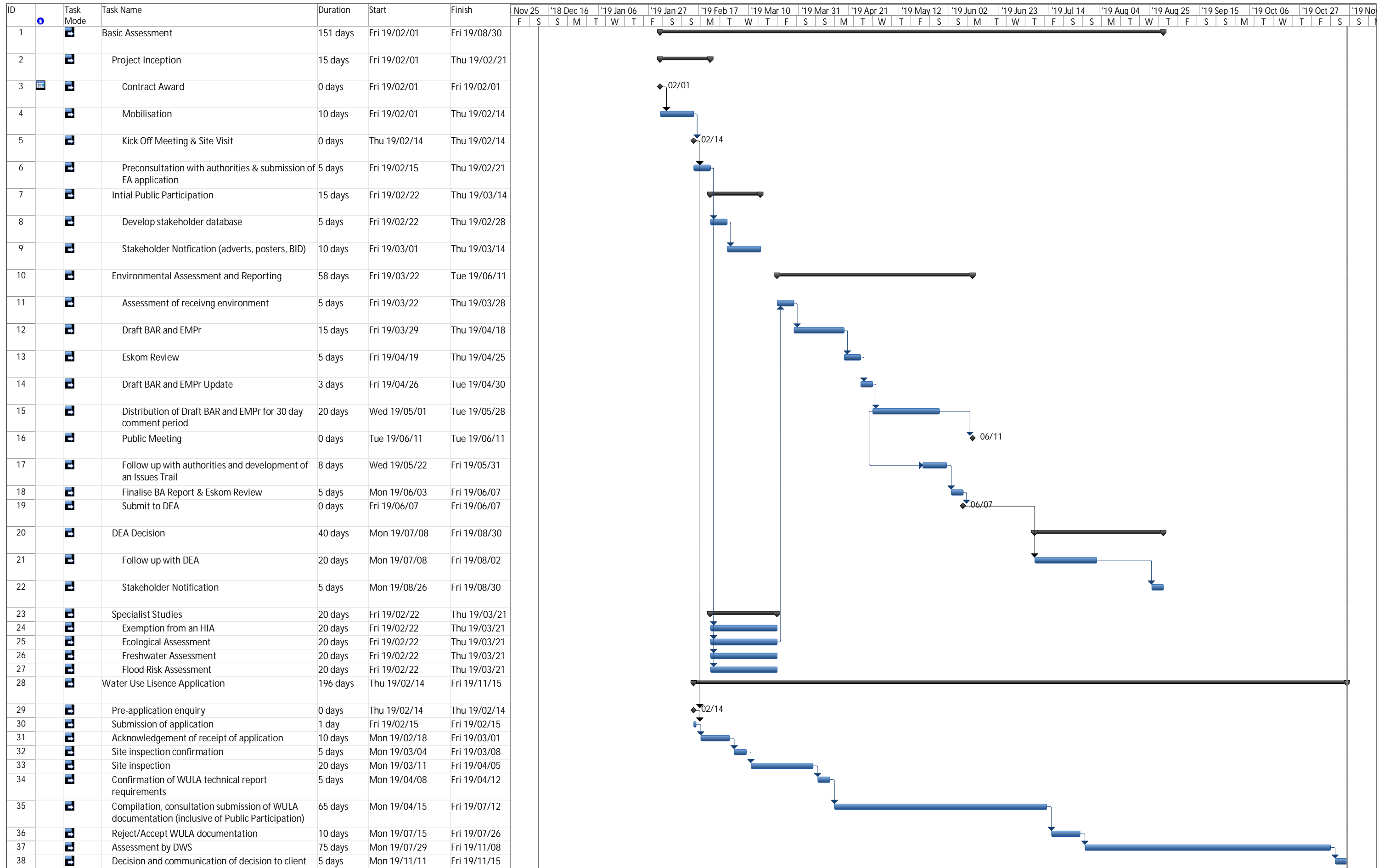
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**PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION**

**APPENDIX 7**

**PROJECT SCHEDULE**





Project: Eskom Bid\_Medupi Pipel  
Date: Wed 18/12/12

Task		Summary		External Milestone		Inactive Summary		Manual Summary Rollup		Finish-only	
Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Deadline	
Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Progress	

# PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

## APPENDIX 8

### DECLARATION OF THE APPLICANT

I, **Deidre Herbst**, declare that –

- I am, or represent<sup>1</sup>, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP<sup>2</sup>;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
  - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
  - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
  - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
  - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
  - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- I hereby indemnify the Government of the Republic of South Africa, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- I will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.

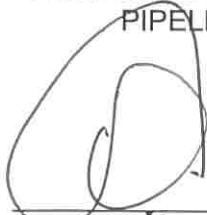
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<sup>1</sup> If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

<sup>2</sup> If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

PP



Signature<sup>3</sup> of the applicant/ Signature on behalf of the applicant


Eskom Holdings SOC Limited

Name of company (if applicable)

3 May 2019

Date:

<sup>3</sup> Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

	<b>Temporary Delegation of Authority Letter</b>	Unique Identifier	40-203
		Revision	3
		Revision Date	March 2019

Dave Lucas  
Corporate Professional  
Environmental Management

Date: 26 April 2019

Enquiries: Deidre Herbst  
+27 11 800 3501

**TEMPORARY DELEGATION OF AUTHORITY – ABSENCE FROM THE OFFICE**

I, Deidre Herbst, Eskom Environmental Manager, Environmental Management, will be absent from the office from 29 April – 03 May 2019 and in my absence, I hereby appoint Dave Lucas, Corporate Professional, Environmental Management to act in my stead with full delegated authority in all respects.

The appointment shall be effective from 29 April 2019 up to and including 03 May 2019 and may be amended or revoked at any time.

The Delegation shall be exercised

- lawfully;
- within the scope and powers of the delegated powers and authorities;
- subject to and in compliance with any limitations, conditions, policies and/or directives that may be developed and implemented by the Board, or by Exco at the behest of the Board;
- in accordance with the provisions of the Public Finance Management Act No 1 of 1999, as amended; and
- shall be limited to the following cost centre/s.

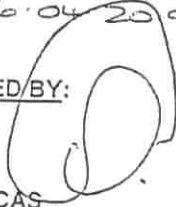
COST CENTRE / PROJECT	COST CENTRE NAME
Sustainability Systems Cost Centres	213012



DEIDRE HERBST  
ESKOM ENVIRONMENTAL MANAGER

DATE: 26.04.2019

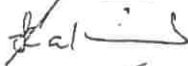
ACCEPTED BY:



DAVE LUCAS  
CORPORATE PROFESSIONAL

DATE: 26/04/2019

APPROVED BY:



KERSERI PATHER  
GENERAL MANAGER SUSTAINABILITY SYSTEMS

DATE:

PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

APPENDIX 9  
9.1 DECLARATION OF THE EAP

I, **Tutayi Chifadza**, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 18 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the competent authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.

**Disclosure of Vested Interest (delete whichever is not applicable)**

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;



Signature of the environmental assessment practitioner

WSP Environmental (Pty) Ltd

Name of company:

08/05/2019

Date

PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION

APPENDIX 9  
9.2 UNDERTAKING UNDER OATH/ AFFIRMATION

I, **Tutayi Chifadza**, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

*Tutayi Chifadza*

Signature of the environmental assessment practitioner

WSP Environmental (Pty) Ltd

Name of company

*08/05/2019*

Date

**COMMISSIONER OF OATHS (RSA)  
CRAIG HARRIS ACMA CGMA  
CIMA Membership No: 1-TD1BH  
Building C, Knightsbridge  
33 Sloane Street, Bryanston, 2191  
South Africa**

Signature of the commissioner of oaths

*[Handwritten Signature]*

*08/05/2019*

Date

**PROPOSED CONSTRUCTION OF MAKE-UP AND RAW WATER SUPPLY  
PIPELINE AT THE MEDUPI COAL FIRED POWER STATION**

**APPENDIX 10  
DEA PRE-APPLICATION MEETING MINUTES**



## MEETING NOTES

<b>JOB TITLE</b>	Medupi Raw Water Pipeline
<b>PROJECT NUMBER</b>	41101556
<b>DATE</b>	20 March 2019
<b>TIME</b>	10:00
<b>VENUE</b>	Department of Environmental Affairs: Pretoria
<b>SUBJECT</b>	Pre-Application Meeting
<b>CLIENT</b>	Eskom
<b>PRESENT</b>	Tutayi Chifadza (TC) - WSP Tobile Bokwe (TB) - Eskom Emile Marell (EM) - Eskom Fiona Grimett (FG) - DEA Mathlodi Mogorosi (MM) - DEA Sindiswa Dlomo (SD) - DEA
<b>APOLOGIES</b>	None
<b>DISTRIBUTION</b>	As above

<b>MATTERS ARISING</b>	<b>ACTION</b>
<b>1.0 INTRODUCTION AND WELCOME</b>	
1.1 SD opened the meeting and welcomed attendees. She then gave the floor to Eskom and the consultant.	
<b>2.0 PROJECT DESCRIPTION</b>	
2.1 WSP and Eskom presented the project pipeline route and provided a description of the pipeline and how it fits into the broader FDG project.	
2.2 A clarification was made that the majority of the proposed pipeline is within the Eskom property and that several studies have been conducted for other projects, in the same area, in recent years.	
2.3 The alternative routes, investigated by Eskom, was presented to the DEA.	
2.4 DEA requested that the project description feed into the existing MCWAP application so that a holistic approach and decision making can be done.	
2.5 DEA highlighted the risk of delays due to local NGOs' potential for appeal and also requested a separate EMPr for the project.	

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Bryanston, 2191  
South Africa

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F: +086 606 7121

[www.wsp.com](http://www.wsp.com) C:\Users\ZATC03228\Documents\Projects\Eskom\Medupi\Pre-Application Meeting\41101556\_Eskom\_Medupi Raw Water Pipelines\_DEA Pre-Application Meeting Minutes.docx



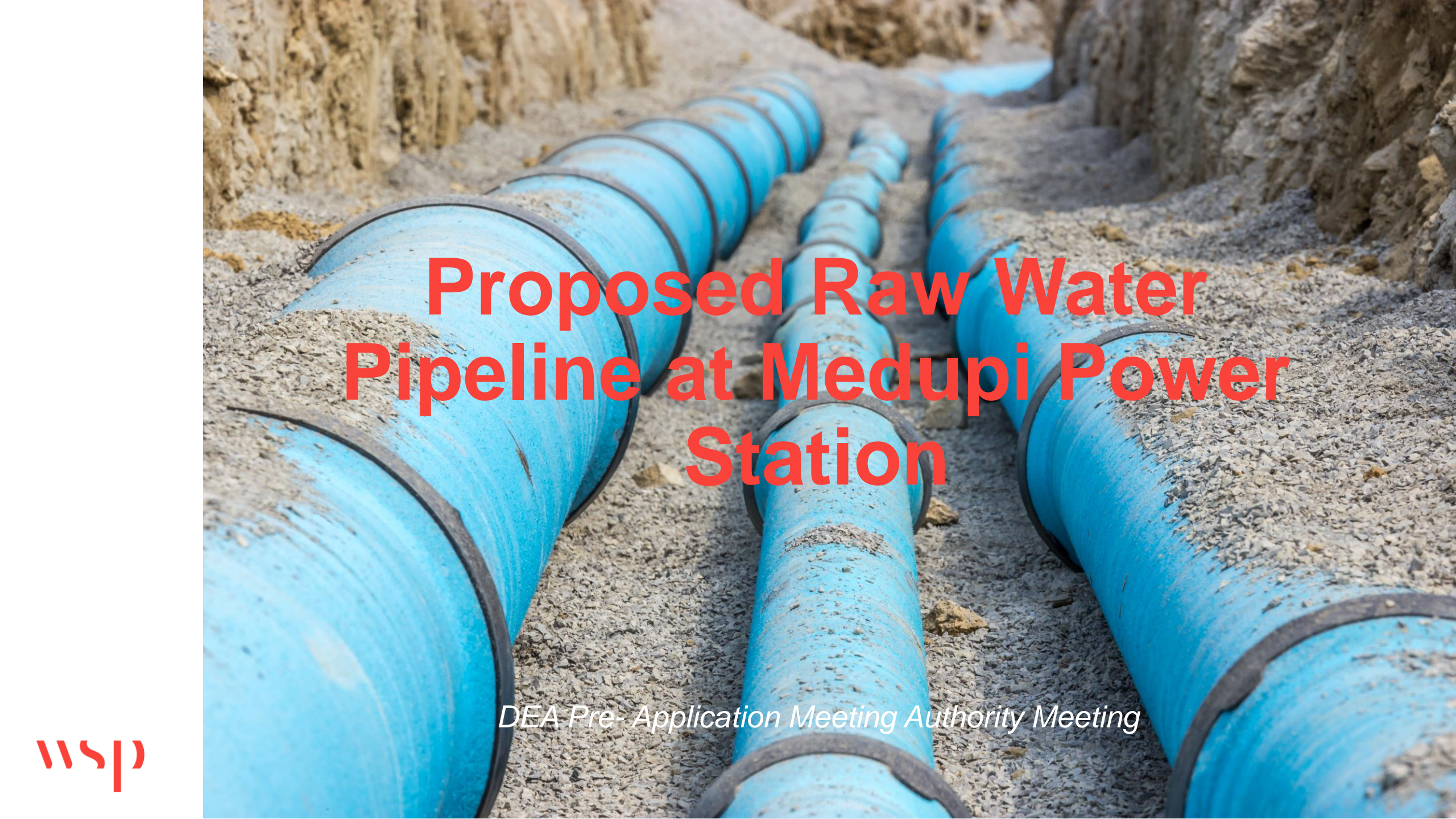
## MEETING NOTES

2.6	Eskom requested that for public participation it uses its EMC meeting to present the project as part of PPP since this forum has more attendees and has greater impact than the normal public participation meeting that only brings in at most 4 individuals.	
2.7	Eskom requested clarification on whether a faster process could be followed since the site has been subject to numerous EIAs and specialist studies. DEA indicated that the normal BA process would be followed but in the event that the information provided in the final BAR is sufficient, the DEA would be in a position to make a decision faster than the normal 107 days.	
2.8	DEA requested that specialists who conducted studies within a 5 year period that are intended to be used to support the pipeline project write a letter validating previous work and indicate that it is still applicable to the site.	
2.9	DEA requested that WSP attach the pre-application meeting minutes to the application form so that it is known that the application is assigned to a specific Case Officer, MM, already.	
<b>3.0</b>	<b>WAY FORWARD</b>	
3.1	WSP to start off BA process and ensure submission is made after elections.	WSP
3.2	A holistic description of the MCWAP project and how the proposed raw water pipeline fits into the process must be provided.	WSP/ Eskom
3.3	DEA to provide a decision in a period faster than 107 days provided sufficient information is provided in the final BAR.	DEA
3.4	WSP to send through meeting minutes for approval.	WSP
<b>4.0</b>	<b>CLOSING</b>	
4.1	SD closed the meeting	

**ATTENDANCE RECORD**

**Project Number:** 41101556  
**Meeting Title:** Medupi Raw Water Pipelines  
**Venue:** DEA Offices, Environmental House, Pretoria  
**Date:** 20 March 2019

Name	Company Name	Email Address	Contact Number	Signature
Tutayi Chifadza	WSP	tutayi.chifadza@wsp.com	011 361 1390 073 770 1635	
TOBILE BOKWE	ATS: ENV. MNGT	BOKWETT@ESKOM.CO.ZA	082 828 1777	
EMILE MARRELL	ESKOM CO MEDUP	MarrellEm@eskom.co.za	012 399 9393	
Fiona Grimmett	DEA	fgrimm@environment.gov.za	012 399 9388	
MATHODI MCGOROSI	DEA	MMGoros@environment.gov.za	012 399 9390	
SINDISWA SLOWO	DEA	Sslowo@environment.gov.za		



# Proposed Raw Water Pipeline at Medupi Power Station

*DEA Pre-Application Meeting Authority Meeting*

# Agenda

- Welcome and introductions
- Project Description and Location
- Legislative Requirements
- Specialist Studies
- Timeframes
- Discussion
- Way Forward

# Welcome and Introductions

## — Project Proponent

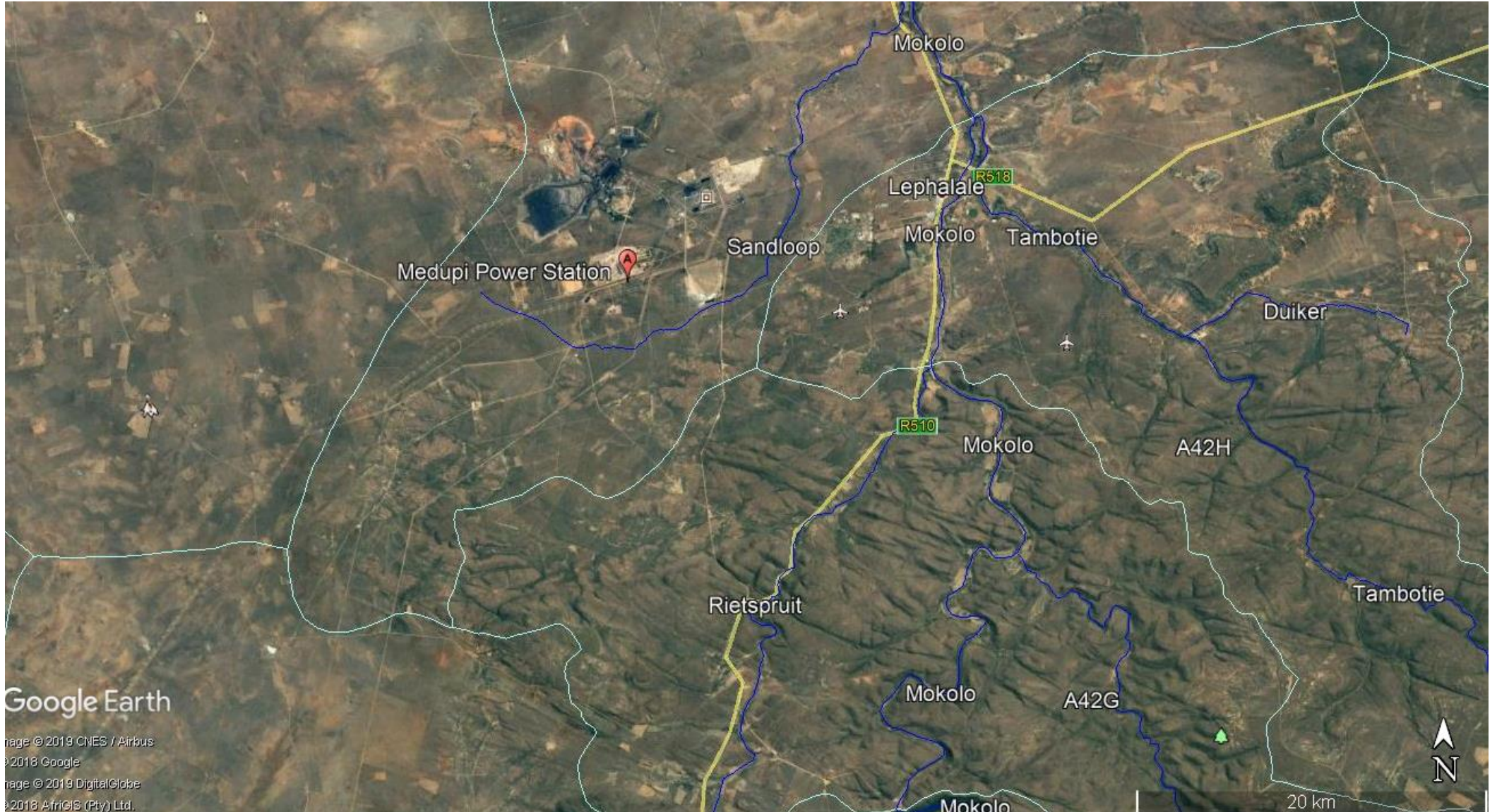
- Eskom (Pty) Ltd
  - Tobile Bokwe
  - Emile Marell

## — Environmental Assessment Practitioner

- WSP Environmental (Pty) Ltd
  - Tutayi Chifadza

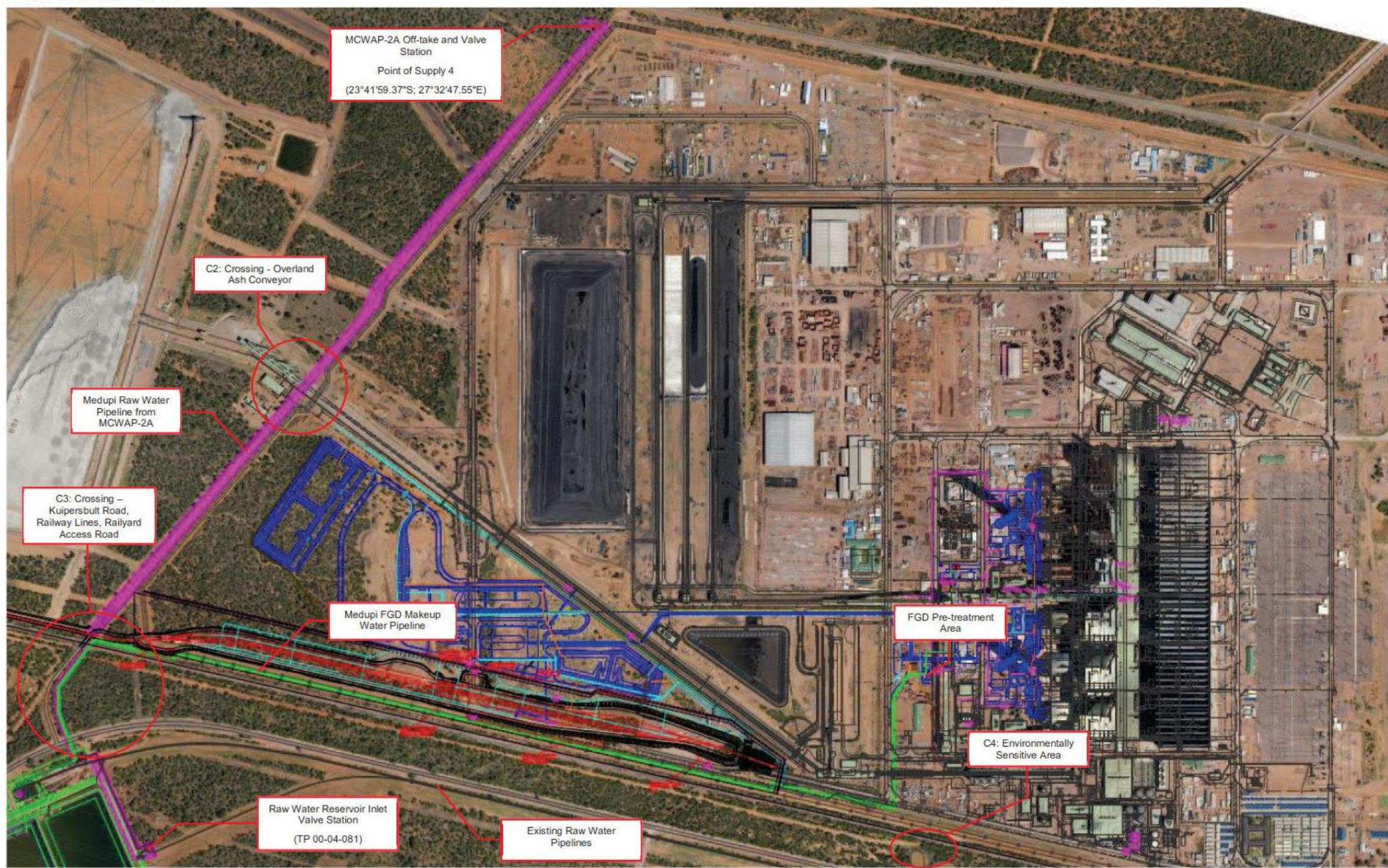
# Project Location

— Medupi Power Station, Lephalale, Limpopo Province



## Project Description

- The Medupi Power Station Flue Gas Desulphurisation (FGD) Retrofit Project consists of the addition of FGD systems to six 800 MW coal fired steam electric generating units.
- The FGD Project will result in the addition of wet limestone open spray tower FGD systems to each of the operating units and will be operational within six years following commercial operation of the respective Units.
- To facilitate the FGD operation, substantial raw water is required.
- The function of the FGD Makeup Water Supply System will be to pre-treat and distribute makeup water from the Mokolo Water Reservoir or Crocodile West Water Reservoir to the FGD Process Water Tanks and the Waste Water Treatment Plant.
- The water will be taken primarily from the Crocodile compartment of the raw water reservoir.





# Legislative Requirements

Relevant Act	Competent Authority
National Environmental Management Act (No. 107 of 1998) (NEMA) <ul style="list-style-type: none"> <li>An environmental authorisation is required prior to the establishment of the Proposed Project</li> <li>A Basic Assessment Process is required to be conducted for installation of the proposed water pipeline</li> <li>Listed Activities triggered under Government Notice Regulation (GNR) 327, 325 and 324 of 2014               <ul style="list-style-type: none"> <li>GNR 327 – 9 &amp; 19</li> </ul> </li> </ul> NB: Clearenece of vegetation will be less than 1 ha and therefore listed activity 27 of GNR 324 is not applicable	Department of Environmental Affairs (DEA)
National Water Act (No. 36 of 1998) (NWA) <ul style="list-style-type: none"> <li>Section 21 (c) and 21 (i) water uses may be applicable</li> </ul>	Department of Water and Sanitation
National Heritage Resource Act (No. 25 of 1999) (NHRA) <ul style="list-style-type: none"> <li>A Heritage Impact Assessment (HIA) was undertaken due to the proximity of the development to Heritage resources</li> <li>An HIA exemption letter will be drawn up based on a desktop study</li> </ul>	

# Specialist Studies

Specialist Field	Company name	Assessment in the BA Phase
Wetlands	WSP (peer reviewed by The Biodiversity Company)	Yes
Biodiversity Terrestrial and Aquatic)	The Biodiversity Company	Yes
Heritage	eThembeni Cultural Heritage Management	Yes

# Timeframes

Task	Date
Draft Basic Assessment for 30 day Public Consultation	May 2019 (after elections)
Submission of Final Basic Assessment to DEA	June 2019
DEA Decision ( <b>107</b> days from date of submission)	September/ October 2019

# Questions

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