

PART 4: SITE INFORMATION

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PART 4: SITE INFORMATION

Core clause 11.2(16) states

“Site Information is information which

- describes the Site and its surroundings and
- is in the documents which the Contract Data states it is in.”

In Contract Data, reference has been made to this Part 4 of the contract for the location of Site Information.

1. General description

The location of Arnot Power Station is approximately 50 km east of Middelburg in Mpumalanga. Arnot Power Station consists of 6 x 350MW turbo generator units with an installed capacity of 2100MW at maximum continuous rating (MCR)

Access limitations

The *Contractor* takes note that he will be performing construction work on a national key point (Arnot Power Station) fence. The *Contractor* will be responsible for ensuring that no unauthorised person gains access to the fence area during construction. The *Contractor* provides all relevant security personnel during construction.

The *Contractor* provides a temporary fence to separate the construction site from the normal operation of the coal stockyard. The *Contractor* further provides all the necessary personnel and strategies to effectively manage traffic in and out of his site without interrupting the normal operations of the coal stockyard. The *Contractor* ensures that all vehicles traveling within the coal stockyard are fitted with all the required safety articles such as flags, lights, reverse alarm etc.

Position of site work will be executed is indicated on the drawings.

LEGIONELLA

The conditions prevalent in Eskom's cooling water systems are highly favourable for Legionella contamination. These include temperatures between 20 and 50°C, potential stagnant or low flow areas and raw water inflow supplying nutrients. When the system has been drained, the risk may increase as the humidity and the amount of water droplets in the surrounding air will increase.

To minimize the above-mentioned risk, the following precautionary steps shall be taken during the refurbishment of Arnot Cooling Tower no.2:

- Laboratory test regarding legionella disease must be obtained from Arnot Chemical Services Department. Latest test results must be communicated before cooling tower entrance.
- If personnel have to enter any part of the plant which may contain Legionella it is imperative that HEPA filters be worn over both the nose and mouth.

2. Existing buildings, structures, and plant & machinery on the Site

The *Contractor* takes note that he will be performing construction work on a national key point (Arnot Power Station) fence. The *Contractor* will be responsible for ensuring that no unauthorised person gains access to the fence area during construction. The *Contractor* provides all relevant security personnel during construction.

3. Ground conditions in areas affected by work in this contract

The ground condition in the area is as follows:

- First approx. 500mm natural ground is soft salty sand
- 500mm and deeper is weathered soft sand stone formation, can be excavated with 20Ton excavator

4. Hidden services

The *Contractor* makes use of underground service detection before any excavations are done to detect underground services such as electric cables, water pipes, IT and telephone cables. The *Contractor* notifies the employer of presence of underground and the employer advises the employer within 2 days in terms of how the contractor deals with the obstruction.

5. Other reports and publicly available information

The following Employer standards, specifications and procedures shall be read in conjunction with the Site Information:

Title	Number	Revision
Eskom Vehicle Policy		
Refurbishment of Arnot Cooling Tower 2 Technical Specification Report	384-ANT-AABB-D00139-7	3
Occupational Health and Safety Requirements to be met by Contractors and subcontractors employed by Eskom	SCSPVABF3	2
Eskom Occupational Health and Safety Policy	ESKPBABNO	0
Eskom Procedure on Vehicle and Driver Safety Management	32-93	2
SHE Policy	32-94	0
Eskom Procedure on Effective Management of Safety, Health and Environmental related incidents	32-95	1
Eskom Procedure on Vehicle Safety Specifications	32-345	0
SHE tender requirement	32-726	0
Eskom Environmental Management Policy	ESKPBAAD6	7
Fire protection and protection of contractor's and Eskom premises on engineering sites	NWS 1494	4
Occupational Health and Safety Act 85 of 1993	85 of 1993	
General Environmental Specification		2004