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C3.1: EMPLOYER'S WORKS INFORMATION

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1 Description of the works

1.1 Executive overview

The operation of the Ash Dam is such that as the facility rises in height, new piezometers need to be installed on new benches to enable accurate monitoring of the pore water pressures within the ash dam body. The Grootvlei Ash dam has had a new step in, therefore creating a new bench meaning that the piezometer installation for this bench is due.

Furthermore, through the monitoring of the existing piezometers, it has been established that some of the piezometers are damaged and therefore giving incorrect readings. These piezometers need to be replaced with new piezometers to enable accurate monitoring of the ash dam.

1.2 Employer's objectives and purpose of the works

The project objective is the installation of 43 wash bore piezometers at varying depths at the Grootvlei Power Station ash dam. These piezometers are to be used for the monitoring of phreatic levels of the ash dam. The works includes drilling and placement of the standpipes to the technical specification provided.

1.3 Interpretation and terminology

The following abbreviations are used in this Works Information:

Abbreviation	Meaning given to the abbreviation
AFC	Approved for construction
OBL	Outside battery limits
CIDB	Construction Industry Development Board
ECSA	Engineering Council of South Africa
CE	Compensation Event
UIF	Unemployment Insurance Fund

2 Management and start up.

2.1 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Project Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Kick off meeting	Immediately after contract award	Grootvlei Power Station or virtual	<i>Employer, Contractor</i>
Risk register and compensation events	Monthly or anytime when a risk arises or when CE is raised	Grootvlei Power Station or virtual	<i>Employer, Contractor</i>
Overall contract progress	Weekly	Grootvlei Power Station	<i>Employer, Contractor</i>

and feedback		or virtual	
<i>Contractor</i> SHE Forum and all station SHEQ related meetings	Monthly or when the need arises	Grootvlei Power Station or virtual	<i>Contractor</i>

Meetings of a specialist nature may be convened as specified elsewhere in this Works Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the works. Records of these meetings shall be submitted to the *Project Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

2.2 Documentation control

All communication between the *Employer* and the *Contractor* shall be via formal letters sent on Email.

Upon completion of the works, the *Contractor* shall submit to the *Employer* As built drawings in a drawings in pdf and dgn/dwg format of the works completed. The drawings shall be submitted with a transmittal numbering each drawing as per number sequence provided by the *Employer*. This number sequence will be provided to the *Contractor* once the number of drawings to be submitted has been confirmed. 3 soft copies and 3 filed hard copies of the data book must be submitted.

2.3 Health and safety risk management

The *Contractor* shall adhere to all OHS Legal requirements, OHS corporate policies, standards and procedures to which Eskom subscribes and as indicated on the issued SHE specification.

The *Contractor* shall, when coming on site (Grootvlei Power Station), abide by the Life Saving Rules. These will be provided by the *Employer* on the start of the contract.

The *Contractor* shall also abide by the Grootvlei High risk Safety, Health, and Environmental Specifications 240-73418055, which will also be provided by the *Employer*.

The *Contractor* shall, when coming on site (Grootvlei Power Station), make use of approved personal protective clothing such as overalls, safety shoes, safety hat, safety goggles, dust mask and gloves when necessary.

The *Employer* follows an Incident management procedure (32-95) that includes the investigation of all accidents involving personnel and property. This is done with the intention of introducing control measures to prevent a recurrence of the same incidents. The *Contractor* is expected to fully co-operate to achieve this objective. The *Contractor* will report any incident and accidents to Grootvlei Power Station within 24 hours. This report does not relieve the Consultant of his legal obligation to report certain incidents to the Department of Labour, or to keep records in terms of the Occupational Health and Safety Act, and Compensation for Occupational Injuries and Diseases Act.

The *Contractor* implements a safety plan and maintains the safety system until the completion of the whole of the works. The plan, will as a minimum, contain PPE information, written safe work procedures, job specific risk assessments, safety meetings, etc. The plan will be to the *Employer's* satisfaction and will be accepted prior to the commencement of any work.

The *Contractor* will be subject to periodic audits by the *Employer* to ensure compliance with the plan. Any deviations will be corrected to the *Employer's* satisfaction.

The Project Manager has the right to stop the *Contractor's* work activities which, in the opinion of Service Manager, is un-safe. The *Contractor* may only continue with work activities when all safety deficiencies have been corrected to the Service Manager's satisfaction. The *Contractor* shall have no claim against the *Employer* in respect of delay due to the above.

2.4 Environmental constraints and management

The *Contractor* must familiarise themselves with the waste management policies and procedures (240-28981069 and 240-29828394 respectively) within 14 days from date of contract awards, and must comply with the environmental criteria and constraints stated in the policy document. The requirements include the identification, collection, storage, transportation and disposal of waste. Hazardous waste shall be disposed off in line with the applicable environmental legislation. It is important to note that all spillages must be cleaned immediately and reported to the service manager as soon as possible. It is the responsibility of the polluter to clean all spillages and for the rehabilitation of the polluted land and the cost associated with that.

2.5 Quality assurance requirements

- The *Contractor* implements a quality system and maintains the quality system until the completion of the whole of the Works. The system, will as a minimum, comply with the provisions of the ISO 9001 and the Supplier Contract Quality Requirements Specification 240-105658000/ QM-58. The system will be to the *Employer's* satisfaction and will be accepted prior to the commencement of any work on site.
- The *Contractor* is responsible for defining the level of Quality Control Plan (QCP) or inspections to be imposed. The level should be based on criticality of plant and material and must be submitted to the Service Manager for acceptance prior to the commencement of any work activities.
- The *Contractor* compiles a data package of relevant drawings, test certificates, design checks and other technical information for each section of work or Task Order which is to be reviewed and signed off by the Supervisor or *Employer* Representative.
- The *Contractor* will be subject to periodic audits by the *Employer* in order to ensure compliance with the system. Any deviations will be corrected to the *Employer's* satisfaction.
- The Service Manager has the right to stop the *Contractor's* work activities which, in the opinion of Service Manager, does not meet the requirements of the system and will have a detrimental effect on plant performance.
- The *Contractor* may only continue with work activities when all deficiencies have been corrected to the *Employer's* satisfaction. The *Contractor* shall have no claim against the *Employer* in respect of delay due to the above.
- The *Contractor* ensures that all plant and materials for the Works are to the standard and quality accepted by the *Employer* and ensures that they are suitable for the purpose intended by the manufacturer.
- The *Contractor* will work according to the *Employer's* standards, specifications, guidelines and procedures. Where no standards, specifications, guidelines and procedures are available, the *Contractor* will work according to the Generation Quality Manual. Where possible, standards will be reflected in the Task Order.
- The *Contractor* will ensure that they facilitate effective and efficient management of incident from the moment it occurs, until it can be audited and mitigated.
- In case the *Contractor* damages the plant whilst executing the scope, the *Contractor* shall rectify the plant and the contract can be terminated thereafter.

2.6 Invoicing and payment

Within one week of receiving a payment certificate from the *Project Manager* in terms of core clause 51.1, the *Contractor* provides the *Employer* with a tax invoice showing the amount due for payment equal to that stated in the *Project Manager's* payment certificate.

The *Contractor* shall address the tax invoice to Eskom Holdings SOC Ltd and include on each invoice the following information:

- Name and address of the *Contractor* and the *Project Manager*;
- The contract number and title;
- *Contractor's* VAT registration number;
- The *Employer's* VAT registration number 4740101508;
- Description of service provided for each item invoiced based on the Price List;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- (add other as required)

Add procedures for invoice submission and payment (e. g. electronic payment instructions)

2.7 Insurance provided by the *Employer*

As stated for "Format A" available on

http://www.eskom.co.za/Tenders/InsurancePoliciesProcedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx

3 Engineering and the *Contractor's* design

3.1 *Employer's* design

The *Employer* has developed a detailed technical specification. The Below Documents shall be referred to as the *Employers* Design:

- i) ME-1039-08-2022-04 - Technical Specification for Piezometers: New Ash Dam, Grootvlei Power Station
- ii) ME-1039-08-07-S001 – Grootvlei Piezometer Layout
- iii) ME-1039-08-07-S002 – Piezometer Dimension Details

3.2 Parts of the *works* which the *Contractor* is to design

All construction preparation works and access to all the locations where piezometers are to be installed are to be designed by the *Contractor*. The *Contractor* therefore studies the dam topography in detail to plan for these designs.

3.3 Procedure for submission and acceptance of *Contractor's* design

The *Contractor* presents all works he has designed to the *Employer* prior to conducting any works onsite. Once agreed with the *Employer*, the *Contractor* may commence with the physical works.

3.4 Other requirements of the *Contractor's* design

The *Contractor* ensures that all designs of the required temporary works are completed by a Professionally Registered Engineer or Technologist who will take accountability for his designs.

3.5 Equipment required to be included in the *works*

The *Contractor* provides all the equipment required for the successful installation of the Piezometers. A list of the equipment and their specification is to be listed in the Method Statement document.

3.6 As-built drawings, operating manuals and maintenance schedules

Upon completion of the works, the *Contractor* updates and submits the drawings As-built to the *Employer*.

4 Procurement

4.1 People

4.1.1 Minimum requirements of people employed on the Site

- a. The *Contractor* shall provide suitable and qualified resources and shall prioritize candidates around Dipaleseng Community through the local forum where they meet the requirements for the job. The *Contractor* shall not employ previously dismissed Eskom employees.
- b. Verifications of skills, qualifications and a police clearance will be conducted on all *Contractor* Employees.
- c. The *Contractor* provides competent personnel with the relevant post qualification experience for the implementation of all of the works. All CV's with relevant qualifications and detailed experience are submitted to the Project Manager within four weeks of the start date. All foreign qualifications to be certified by SAQA and proof of certification to be supplied. Foreign ID or passport holders also require a valid work permit to perform work.
- d. The *Contractor* appoints either a Contract Manager or a Project Manager who possesses documented competencies to manage the duties related to the NEC contract and project management. This person serves as the direct liaison for the *Employer's* Project Manager and also has the authority to make decisions and instruct all other *Contractor's* personnel, as and when required.
- e. All *Contractor* employees shall undergo police clearance verification before being inducted onsite.
- f. The *Contractor* shall adhere to minimum wage remuneration as per labour regulation
- g. *Contractor* employees shall be registered for UIF as per labour regulation

4.1.2 BBBEE and preferencing scheme

BBBEE requirements are specified in the Supplier Development Localisation and Industrialisation (SDL&I) target setting document provided. SD&L to comment

4.2 Subcontracting

4.2.1 Preferred subContractors

Where subcontracting of certain activities is required, the *Contractor* shall notify the *Employer* and an agreement shall be obtained with the *Employer* to ensure compliance. Refer to the SDL&I Target Setting document.

4.2.2 Subcontract documentation, and assessment of subcontract tenders

- a. If the *Contractor* subcontracts work, he is responsible for providing the Works as if he had not subcontracted. This contract applies as if a SubContractor's employees and equipment was the *Contractor's*.
- b. The *Contractor* supports local Small, Micro and Medium Enterprises (SMME) by purchasing equipment, tools and materials locally where such equipment, tools and materials are available.
- c. All SubContractors need to be approved by the Project Manager before the SubContractor may be allocated work by the *Contractor* or be brought to the Site.
- d. Subcontract documentation and assessment of subcontract tenders shall be done by the *Contractor*.
- e. The *Contractor* must inform the Project Manager when intending to subcontract some of the works from the contract Scope of Work.

- f. The *Contractor* may subcontract according to NEC contract or other types of contracts.
- g. The *Contractor* submits the proposed contract data for each SubContractor for acceptance to the Project Manager.
- h. The *Contractor* only employs competent SubContractors.
- i. The *Contractor* indicates on a list as shown below, the names of any SubContractors (when known) whose services may be used to provide the works. The *Contractor* provides a short description of the work it is proposed to sub-contract to each, together with an approximate value of the work to be executed by each. Where the SubContractor is required to do physical work on Site, the *Contractor* provides details of the experiences of the mentioned SubContractor as well as a list of references involving work of a similar nature.
- j. Notwithstanding the inclusion of a SubContractor name below, the *Contractor* obtains the written acceptance of the Project Manager prior to the employment of such SubContractor.

SubContractor	Description of work	Approximate value
1.		
2.		
3.		

4.2.3 Limitations on subcontracting

Where the *Contractor* encounters scenarios where specialised work is required, subcontracting of such services is to be obtained in agreement with the *Employer*. Refer to the SDL&I Target Setting document.

4.2.4 Attendance on SubContractors

- a. SubContractors shall remain the responsibility of the main *Contractor*. They shall adhere to the *Employers* code of ethics and comply with all the *Employers* requirements.
- b. It is the *Contractor's* responsibility to ensure that the SubContractor(s) completes and supplies a daily Site diary, which includes details such as the labour resources available, starting time, ending time, equipment and materials used, weather conditions, interruptions etc.
- c. The *Contractor* ensures that the diary is submitted by the SubContractor to the Project Manager daily for checking, commenting and signing-off and a copy is supplied. If the daily diary is not signed off by each worker then a separate daily attendance register is supplied.

4.3 Plant and Materials

4.3.1 Quality

- a. The *Contractor* ensures that all equipment, tools and material that the *Contractor* / SubContractor uses to execute the works, complies with the SABS and other stated standards.
- b. All plant and materials sourced and supplied for the installation are new and all are free from defects. Reconditioned/refurbished plant and/or materials are NOT regarded as new under any circumstances and may NOT be utilised.
- c. The *Contractor* does not use plant and materials, which are generally recognised as being unsuitable or otherwise unsuitable for the purpose for which they are intended.
- d. Only components of high reliability are utilised, with a proven operating history, to enable the plant to achieve the required reliability and availability. Plant and material design, engineering and manufacture is in accordance with the best practice applicable to high-grade products of the type to be furnished, to ensure the efficiency and reliability of the works and the strength and suitability of the various parts for the works.
- e. Plant and materials withstand ambient conditions and the variations of temperature arising under working conditions without distortion, deterioration or undue strains in any part.
- f. No repair of defective plant and materials may be permitted without the Project Manager's approval and any such repair, if approved, is carried out to the satisfaction of the *Employer*.

4.3.2 Plant & Materials provided “free issue” by the Employer

All plant and material shall be provided by the *Contractor*. Where the scaffolding is required, the *Employer* shall provide.

4.3.3 Contractor's procurement of Plant and Materials

- a) Absolutely no changes to the current plant configuration will be allowed unless authorised by the *Employer*.
- b) It is mandatory that plant, equipment and materials be procured in accordance with the specifications listed in the Works Information.
- c) Should any equipment not be available on the market due to obsolescence, the *Contractor* recommends a suitable alternative. All alternative equipment to be approved by the *Employer* before procurement.
- d) The *Contractor* only procures plant and materials as specified in the Works Information. Any change of specifications is notified in writing by the Project Manager as an instruction.
- e) The procurement schedule is clearly shown and integrated into the *Contractor's* accepted project programme ensuring delivery of equipment to site in advance to the installation activity
- f) All items procured and stored at the *Contractor's* premises or the *Employer's* premises are stored in accordance with the manufacturer's or material's specifications.
- g) The *Contractor* ensures that plant and materials procured carry a minimum of 52 weeks warranty or guarantee period due to defect or malfunction.
- h) Plant and materials used for the works are to bear no labelling other than the plant coding specified by the *Employer*.
- i) The *Contractor* procures and stores all materials as per the recommendations stipulated in the materials data sheet.

4.3.4 Spares and consumables

- a) The *Contractor* shall provide required spares and consumables that may be needed at or just after take over to ensure continuity.
- b) The *Contractor* shall provide consumables for all *Contractor* employees, ie. Gloves, dust masks, earplugs.

4.4 Tests and inspections before delivery

- a. The *Project Manager* reserves the right to appoint a representative or representatives to inspect all parts during manufacturing and testing and to be present at any of the tests specified in this *works*.
- b. The *Employer's* representative/s and/or third-party/independent inspection authority must have unhindered access to witnessing all manufacturing and testing processes at the manufacturing facility.
- c. Where holding points exist on the manufacturing QCP's, no manufacturing activity shall proceed if the preceding activity on the manufacturing QCP was not approved by both the *Contractor* and *Employer's* representatives.
- d. The *Employer* carries out quality inspections at his discretion and as per the pre-approved Quality Control Plan (QCP).
- e. Such tests as may be required by the *Project Manager* are carried out by the *Contractor* during or after manufacturing to prove compliance with the specification independently of any test which may have been carried out at the manufacturer's facility.
- f. The *Contractor* is not relieved of his responsibilities if the *Project Manager* and other *Employer* representatives choose to waive the witnessing of any manufacturing and testing processes.

- g. The *Contractor* provides a test certificate for each test required.
- h. The *Contractor* provides current calibration certificates for all equipment used during manufacturing and testing when required to do so by the *Project Manager*.
- i. The *Contractor* is responsible for quality assurance and control during manufacturing and testing. Any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by the *Employer* (including the absence of disapproval) shall not relieve the *Contractor* from any responsibility under the *Contract*, including responsibility for errors, omissions, discrepancies and non-compliances.
- j. The *Contractor* takes note of and responds to any comments made by the *Employer* on the *Contractor's* manufacturing documents. However, the *Employer* is not bound to check the *Contractor's* manufacturing documents for any errors, omissions, ambiguities or discrepancies or compliance with the requirements of the Works Information. The *Employer's* receipt of, or review of, or comment on, the *Contractor's* manufacturing documents does not relieve the *Contractor* from responsibility for the *Contractor's* errors or omissions or departure from the requirements of the standard.
- k. The *Contractor* shall test, Inspect and certify that the system is reliable and safe to use before takeover.
- l. The *Contractor* shall provide all test certificates of compliance (CoC).

4.5 Marking Plant and Materials outside the Working Areas

All equipment shall be properly marked for identification.

4.6 Contractor's Equipment (including temporary works).

- a. The *Contractor* shall use inspected and tested equipment, equipment compliance documents shall be made available on request by the *Employer*
- b. All temporary works shall be removed after completion

4.7 Cataloguing requirements by the Contractor

The *Contractor* shall provide all the information (specification) required by the *Employer* to catalogue the spares for this system.

5 Construction

5.1 Temporary works, Site services & construction constraints

5.1.1 Employer's Site entry and security control, permits, and Site regulations

The *Contractor* shall gain site entry once:

- a) The Medicals have been confirmed valid for all the *Contractors* Employees
- b) All the *Contractors* employees have completed the Site Inductions (Held on Mondays and Wednesdays)
- c) All the *Contractors* employees provide a Security Clearance

5.1.2 Restrictions to access on Site, roads, walkways and barricades

Access to Site

The *Contractor* makes his/her own assessment of and allows in his/her rates for those access problems that may be encountered. No extra payment or claim of any kind is allowed on account of difficulties of access to the works, or for the requirement of working adjacent to or in the same area as others.

Access to site shall be in line with the Grootvlei Power Station's access procedure. The *Contractor* shall be required to make an application to enter site for the duration of the contract, including the warranty and defect period where applicable. A permit shall only be issued once the *Contractor* and his or her employees have attended the safety induction and has undergone medical checks.

All the assets must be declared and registered with security upon entering site. This includes portable assets such as laptops. The record must be kept on the OV18 form. No asset shall be removed from site if the OV18 form is not attached.

The *Contractor* shall have no claim against the *Employer* in respect of delay at the security main gate.

All *Contractor* permits shall be returned to Protective Services on completion of the works.

Equipment

Any equipment, or appliances, used by the *Contractor* conforms to the applicable OHS Act safety standards and is maintained in a safe and proper working condition. The *Employer* has the right to stop the *Contractor* use of any equipment which, in the opinion of *Employer*, does not conform to the foregoing.

Off-loading and material handling equipment is not available on site and if required, is to be provided by the *Contractor*.

Site Regulations

Note that the speed limit on the site is 40 km/h. The vehicle permit of any persons contravening any traffic act on site shall be cancelled.

The *Contractor* complies with the Grootvlei Site Regulations, a copy of which is available for perusal at the *Employer's* offices.

Any subject within the authority of the *Employer* may be addressed by a Site Regulation. Before work starts on site, an inaugural meeting is held with the *Contractor* to explain all requirements of the Site Regulations.

The *Contractor* is issued with a file of current Site Regulations on arrival. The file remains the property of the *Employer* and the *Contractor* is responsible for its maintenance and updating as revised regulations are issued by the *Employer*.

Permits

No work commences without the acceptance of the permit to work or LAR by the *Contractor*. The plant safety regulations course can be done at any Eskom Power Station but the practical course is Grootvlei specific.

Accommodation and Transportation

At his own cost the *Contractor* provides his/her own accommodation and transport for all his/her employees engaged in the execution of the works. This includes the needs of his/her sub-*Contractor*. No accommodation is available at Grootvlei Power Station.

The Contractor

The *Contractor* provides security necessary for the protection of the works at all times until the completion of the whole of the works.

The *Contractor* is informed of the access procedures through Site Regulations and note that such procedures may change depending on the prevailing security situation.

All persons entering the Grootvlei site pass through the control points at the main access gate and are required to have temporary permits that are issued to *Contractor* staff on request. All persons submit ID documents with the application for temporary permits. If it is necessary to bring equipment onto site a list is submitted which is verified by security staff prior to equipment entering the security area.

If any *Contractor* staffs are transferred from Grootvlei or leave site, the person's permit is handed over to the Supervisor. The *Contractor* ensures that personnel leaving site are transported out of the security area and that the permit is returned.

No firearms, weapons, alcohol, illegal substances and cameras are permitted on site. Any person suspected of being under the influence of alcohol is tested and if proved positive, is refused entry to the security area.

No "private work" is carried out for or on behalf of any Eskom employee.

Safety

The *Contractor* implements a safety plan and maintains the safety system until the completion of the whole of the works. The plan, will as a minimum, contain PPE information, written safe working procedures, job specific risk assessments, safety meetings, etc. The plan will be to the *Employer's* satisfaction and will be accepted prior to the commencement of any work.

The *Contractor* will be subject to periodic audits by the *Employer* in order to ensure compliance with the plan. Any deviations will be corrected to the *Employer's* satisfaction.

The *Employer* has the right to stop the *Contractor* work activities which, in the opinion of *Employer*, is unsafe. The *Contractor* may only continue with work activities when all safety deficiencies have been corrected to the *Employer* satisfaction. The *Contractor* shall have no claim against the *Employer* in respect of delay due to the above.

Site	:	Grootvlei Power Station
Regional Authority	:	Dipaliseng Town Council, Mpumalanga Province
Nearest Towns	:	Balfour – 18km north east of power station Villiers – 30km south of power station Heidelberg – 40km north of power station There are informal settlements within a 10 km radius of the power station.
Infrastructure	:	Grootvlei Power Station is situated approximately 3km from the N3 highway and is connected to it by means of a tarred road. There is also a secondary tarred road connecting the site with the R51 and R53. Water is supplied to the adjoining township, and sewage is returned to the sewerage Works of the power station. The railway line from Balfour to Bethlehem passes the station. 400kV and 88kV power lines cross the existing road network in the area.

Latitude & longitude	:	26° 46' S & 28° 29' E
Landowner	:	The power station is situated on the farm Grootvlei Power Station, ERF 458 IR, Title deed number CCT50784/1983. Eskom is the landowner.
River catchment	:	Mid-Vaal
Regional Climate		Grootvlei Power Station is situated on the Highveld in the western part of Mpumalanga province on the escarpment, at an average height of 1551 m above sea level. The winters are generally dry and cold with regular frost and temperatures varying between -7°C and 23°C. The summers are mild with most of the rainfall occurring during this season. Temperatures vary between 12° & 32° C.
Wind direction		Data from the Heidelberg weather station shows that Grootvlei Power Station is sited in such a way that for most of the year (291 days) the wind direction is from the power station in a direction that is North West.
Rainfall		Based on information recorded at the Heidelberg weather station, the average annual rainfall for the Heidelberg area is approximately 691 mm. (Weather Bureau, Pretoria).

5.1.3 People restrictions on Site; hours of work, conduct and records

The *Contractor* records information of all those that enter the *Employers* site on each site. This information is to be presented to the *Employer* on the day of the site visit and as and when requested by the *Employer*..

Working hours at Grootvlei Power Station are as follows:

Monday – Thursday	: 07:15 to 16:30
Friday	: 07:15 to 12:15
Saturday, Sunday and Public Holidays	: Off

5.1.4 Site services and facilities

The *Contractor* shall make provision for onsite power (At the ash dam) in the form of a generator shall a need arise for the execution of the works. Power for the site offices shall be provided by the *Employer* at a location less than 50m away from the established offices. Ablution facilities shall be availed by the *Employer* at a distance less than 50m from the established site.

5.1.5 Facilities provided by the Contractor

The *Contractor* provides all facilities and equipment as quoted for in his site establishment for the successful and efficient execution of the works. The *Employer* shall allocate a site for the *Contractor* to establish. Upon completion of the works, the *Contractor* shall de-establish site and remove all the facilities and equipment previously brought to site.

5.1.6 Survey control and setting out of the works

Refer to the technical specification for all benchmarks.

5.2 Completion, testing, commissioning and correction of Defects

5.2.1 Work to be done by the Completion Date

On or before the Completion Date the *Contractor* shall have done everything required to Provide the Works except for the work listed below which may be done after the Completion Date but in any case before the dates stated. The *Project Manager* cannot certify Completion until all the work except that listed below has been done and is also free of Defects which would have, in his opinion, prevented the *Employer* from using the *works* and Others from doing their work.

	Item of work	To be completed by
	As built drawings of	Within days after Completion
	Performance testing of the <i>works</i> in use as specified in paragraph of this Works Information.	See performance testing requirements.

5.2.2 Performance tests after Completion

Refer to the Technical Specification (Upset Tests)

List of drawings

5.3 Drawings issued by the Employer

This is the list of drawings issued by the Employer at or before the Contract Date and which apply to this contract.

Note: Some drawings may contain both Works Information and Site Information.

Drawing number	Revision	Title
ME-1039-08-07-S001	0	Grootvlei Power station New Ash Dam Piezometer Layout
ME-1039-08-07-S002	1	Grootvlei New Ash Dam Piezometer Specification Standard Piezometer Details and Piezometer Dimensions

Department: Auxiliary Engineering

Signature: 

Date: 22 May 2024

