

Annexure T

LIMESTONE QUALITY MANAGEMENT PROCEDURE

LIMESTONE QUALITY MANAGEMENT PROCEDURE**Table of Contents**

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1. PURPOSE

It is recorded that the Limestone Supply Agreement entered into between the Parties on or about **[insert date]** ("LSA") refers to the Limestone Quality Management Procedure (LQMP) being in Annexure F to the LSA. Annexure **insert annexure]** however contains the Technical Liaison Meeting Agenda which in turn refers the aforementioned meeting ensuring compliance with the LQMP. It is therefore recorded for the sake of clarity that the reference to the LQMP in the LSA (in particular Annexure **[insert annexure]** and Clause **[insert clause]** of the Agreement) is a reference to this LQMP document.

The purpose of this LQMP is to ensure that the quality of Contract Limestone produced, dispatched, received and paid for by Eskom in terms of the LSA is measured and recorded, in accordance with the standards set out in this LQMP and to ensure that Contract Limestone is correctly pre-certified prior to Delivery as well as recording the responsibilities of Eskom, the Supplier, principal contractors, Nominated Laboratory, Supervisors and Monitors.

2. SCOPE

This procedure describes the processes to be followed with respect to pre-certification of limestone stockpiles (i.e. sampling, preparation of samples, the transportation of samples and analysis of samples to determine the quality of limestone at the Mine) prior to Delivery of Contract Limestone to Eskom

3. DEFINITIONS

In this LQMP, the following words and expressions shall, unless otherwise stated or inconsistent with the context in which they appear, bear the following meanings and other words derived from the same origins as such words (that is, cognate words and expressions) shall bear corresponding meanings:

- 3.1 **“Auto-Mechanical Tariff Sampler”** means an automatically operated sampler that cuts increments from the conveyor of main limestone flow. It systematically removes a portion of the stream of limestone from a moving belt automatically at pre-set intervals (either time or mass based) for the purpose of collecting a sample for analysis. It is used to extract the sample of the final product during the production process or creation of the Pre-Certified Stockpile(s), which sample analysis results are used for payment purposes;
- 3.2 **“Bond Work Index”** means a measure of limestone resistance to crushing and grinding as determined using the bond grindability test;
- 3.3 **“Commencement Date”** as defined in the LSA
- 3.4 **“Consignment”** means the limestone supplied in terms of this Agreement on each delivery date of the contract period;
- 3.5 **“Contract Limestone”** means all limestone supplied in terms of this Agreement, in respect of which values of the quality Parameters of a Consignment are equal or more favourable than their respective Contract Quality Specification;
- 3.6 **“Contractual Sample”** means a sample which has been extracted according to the sampling methodology as described in this Agreement for the purpose of pre- certifying a stockpile;
- 3.7 **“Foreign Material”** means all extraneous matter, other than limestone, limestone associated material and/or water, including without limitation metal, concrete, wood, plastic, roof bolts, picks from mining equipment, conveyor idlers and oversize stone;
- 3.8 **“Manual Tariff Sampler”** means the person that extracts the sample increments at pre-determined intervals during the production process or stockpile creation. The Manual Tariff Sampler has the responsibility to follow the instructions and steps outlined in the manual tariff sampling procedure;

- 3.9 **“Monitor”** means a representative of the Supervising and Monitoring Company, whose roles and responsibilities are set out in clause [insert clause];
- 3.10 **“Nominal Top Size”** means the upper limiting size of limestone
- 3.11 **“Nominated / Appointed”** the words Nominated and Appointed shall be used interchangeably;
- 3.12 **“Nominated Dispute Laboratory”** means the laboratory other than Nominated Laboratory appointed by Eskom for the purpose of analysing bulk reference samples (as specified in clause [insert clause]) and mutually agreed Nominated Dispute Laboratory to by the Parties for dispute resolution purposes;
- 3.13 **“Nominated Laboratory”** means the laboratory accredited by the South African National Accreditation System (SANAS) in accordance to ISO 17025 and appointed by Eskom from its list of laboratories for the purpose of analysing limestone samples in terms of the Agreement;
- 3.14 **“Nominated Sample Transporter”** means the company that has been nominated by Eskom to transport the bulk sample from the Mine to the Nominated Laboratory;
- 3.15 **“Non-Conformity”** means non-fulfilment of the requirements of this Limestone Quality Management Procedure ;
- 3.16 **“Physical Analysis”** means the determination of density and size grading of the limestone;
- 3.17 **“Point of Receipt”** as defined in the LSA
- 3.18 **“Quality Specification”** as defined in the LSA
- 3.19 **“Reactivity”** means a direct measure of how readily a limestone will provide alkalinity to neutralize the acid resulting from SO₂ dissolution in water;

- 3.20 **“Reject limestone”** means limestone in respect of which one or more quality parameters does not meet the Quality Specification,
- 3.21 **“Repeatability”** means the results of duplicate determinations (carried out over a short period of time, but not simultaneously) in the same laboratory by the same operator with the same apparatus on 2 (two) representative portions taken from the same analysis sample;
- 3.22 **“Source”** means the site at which the limestone is mined prior to delivery to Eskom;
- 3.23 **“Supervising and Monitoring Company”** means the contractor that has been nominated by Eskom to provide monitoring and supervising functions at the Mine and/or Source(s). Monitoring and supervising functions include providing oversight of the sampling and pre-certification process at the Mine;
- 3.24 **“Supervisor”** means a representative of the Supervising and Monitoring Company, whose roles and responsibilities are set out in clause **Error! Reference source not found.**;
- 3.25 **“Supplier”**
- 3.26 **“Verification”** means the process undertaken by Eskom to verify limestone qualities during creation, loading or offloading of Pre-Certified Stockpiles or Contract Limestone at the Source or at the Point of Receipt or at the Power Station or any other Eskom nominated site, **“Verify”** and/or **“Verified”** shall have a corresponding meaning.

4. APPLICATION OF ANALYTICAL RESULTS

The Nominated Laboratory’s analytical results of the Contract Sample shall be used for payment purposes, subject to the dispute resolution procedure outlined in this Agreement. Any deviation from the sampling process, as set out in clause [insert clause] below, shall mean that the stockpile has not been pre-certified, unless otherwise agreed to in writing by Eskom.

5. SAMPLING

5.1. General Sampling

- 5.1.1. The Parties record that an Auto-Mechanical Tariff Sampler shall be utilised to sample all limestone prior to it being pre-certified as Contract Limestone.
- 5.1.2. The Supplier shall ensure that the Auto-Mechanical Tariff Sampler is installed, and commissioned for sampling of limestone before the Commencement Date .
- 5.1.3. The limestone handling and preparation process flow diagram is shown in Appendix 1 and the auto-mechanical tariff sampling process flow diagram. is shown in Appendix 3.2
- 5.1.4. The sampling of limestone shall be conducted in accordance with the relevant ASTM Designation C50-00 13 (2019) standard: Standard practice for sampling, sample preparation, packaging and marking of lime and or limestone products

5.2. Auto-Mechanical Tariff Sampling

- 5.2.1. The Auto-Mechanical Tariff Sampler shall be owned, operated and maintained by the Supplier.
- 5.2.2. The Auto-Mechanical Tariff Sampler shall be located at the final product conveyor that transports limestone to the product loading surge bin or the stockpile area and shall be interlocked with the final product conveyor.
- 5.2.3. Contract Limestone shall not be produced when the Auto-Mechanical Tariff Sampler is not available or defective then the Mine shall request a permission from Eskom to conduct manual sampling.
- 5.2.4. The general location of the Auto-Mechanical Tariff Sampler in relation to the stockyard layout is set out in **Appendix 2: Geographical Location of the Auto-Mechanical Tariff Sampler.**

The general location of the Auto-Mechanical Tariff Sampler's GPS co-ordinates ([Supplier to provide])

5.2.5.)

- 5.2.6. The auto-mechanical tariff sampling shall be conducted in accordance with the Supplier's standard operating sampling procedure for the site as set out in **Appendix 3.1: Auto-Mechanical Tariff Sampling Procedure.**

5.3. Auto-Mechanical Tariff Sampler Specifications

5.3.1. The Auto-Mechanical Tariff Sampler shall be optimised to sample the limestone as shown in Table 1 below:

Table 1: Material Characteristics

Parameter	Units	Specification
Material type	-	Limestone
Maximum moisture	% (Weight)	[Supplier to provide]
Nominal top size	mm	[Supplier to provide]

5.3.2. The process flow diagram of the Auto-Mechanical Tariff Sampler is set out in **Appendix 3.2: Auto-Mechanical Sampling Plant Process Flow Diagram.**

5.3.3. The Auto-Mechanical Tariff Sampler sampling intervals shall be based on ASTM C50-00

5.3.4. The Auto-Mechanical Tariff Sampler specifications are shown in Table 2 below.

Table 2: Summary of Auto-Mechanical Tariff Sampler Specifications

Plant unit	Description	Units	Specification
Conveyer	Conveyer width	mm	[Supplier to provide]
Primary cutter	Cutter type	-	[Supplier to provide]
	Cutter width	mm	[Supplier to provide]
	Sampling interval	Minutes	[Supplier to provide]
Sample diverter	Diverter interval	seconds after each cut	[Supplier to provide]
Sample Storage Bins	Storage type	-	[Supplier to provide]
	number of bins	Number	[Supplier to provide]
	Bin capacity	Liters	[Supplier to provide]

5.3.5. The Auto-Mechanical Tariff Sampler operation regime shall be evaluated yearly to take into account changes in the variability of the limestone.

5.3.6. The sample storage facility shall incorporate lockable cages. The lockable device shall be designed such that the representatives of the Parties cannot open the bins without the other being present. Both Parties' representatives shall be present during the sample removal from the Auto-Mechanical Tariff Sampler.

5.3.7. The Supplier shall verify the Auto-Mechanical Tariff Sampler specifications on a Monthly basis, maintain records thereof and make such records available to Eskom. The Parties shall verify the Auto-Mechanical Tariff Sampler

specification shown in Table 2 above on a 6 (six) Monthly basis. Each of the Parties' representatives will validate and sign a copy of the specification sheet. Deviations detected either on a Monthly or 6 (six) Monthly basis must be actioned by the Supplier and resolved timeously as agreed in writing between the Parties. Copies of specification sheets shall be kept by both Parties.

- 5.3.8. Physical modifications or alterations in the operation of the Auto-Mechanical Tariff Sampler shall not be made without prior mutual agreement between both Parties. The Supplier shall notify Eskom of the details of such modifications or alterations before they commence and Eskom shall be entitled to be present during the modifications or alterations.

5.4. Auto-Mechanical Tariff Sampler Availability

- 5.4.1. In the event that the Auto-Mechanical Tariff Sampler is unavailable, Eskom shall be informed and the manual sampling of stockpiles shall be conducted as per the approved manual sampling procedure as per appendix number 3.3. Eskom and the Supplier will agree on the duration of the manual sampling.

5.5. Bias Testing of Auto-Mechanical Tariff Sampler

- 5.5.1. A bias test shall be carried out on the Auto-Mechanical Tariff Sampler within 1 (one) Month after the Commencement Date.
- 5.5.2. Any further expansion circuits (i.e. samplers) linked to this LQMP that are installed after the initial bias test shall be bias tested before processing any Contract Limestone.
- 5.5.3. Bias testing shall be carried out annually from the date of the initial bias test conducted as set out in clause 5.5.1. A successful bias test report (where no bias is detected) shall be deemed valid for a period of 1 (one) year and a grace period of 21 (twenty one) days. Should the annual bias test not be successfully conducted and concluded after the expiry of the grace period the production of Contract Limestone shall be suspended pending a valid bias test report.
- 5.5.4. Bias tests shall be conducted after any physical changes to the Auto-Mechanical Tariff Sampler as detailed in clause 5.3.8 within a period of 1 (one) Month from the completion of such changes. Should the bias testing not be successfully conducted and concluded after the 1 (one) Month has lapsed, the production of Contract Limestone shall be suspended pending a valid bias test report.

- 5.5.5. The bias test shall be carried out according to the procedures laid down in the 240-117107650 procedure based on the Hottelings paired statistics. The scope of the bias test programme shall be governed by the design and operation of the Auto-Mechanical Tariff Sampler.
- 5.5.6. The Supplier shall carry the costs of pre-audits of the bias test laboratory, sampling, transportation and analysis of bias test samples and any repeats thereafter.
- 5.5.7. Eskom shall oversee the bias test sampling process during all tests. Eskom shall be responsible for issuing a valid bias test report and costs.

[Drafting note: The following clause 5.5.88 is only applicable to Agreements where the Supplier is unable to install and commission an Auto-Mechanical Tariff Sampler before the Commencement Date.]

- 5.5.8. Should an Auto-Mechanical Tariff Sampler be installed and commissioned at any time during the 3 (three) Months envisaged in clause **Error! Reference source not found.**, before the bias test is conducted, samples obtained from the Auto-Mechanical Tariff Sampler during this period and under these conditions shall be deemed valid and contractual. However, should the bias test not be successfully conducted and concluded when the 3 (three) Months expire; the production of Contract Limestone shall be suspended pending a valid bias test report.

5.6. Manual Tariff Sampling ***[Drafting note: This clause 5.6 is only applicable to Agreements where the Supplier is unable to install and commission an Auto-Mechanical Tariff Sampler before the Commencement Date.]***

- 5.6.1. Manual tariff sampling can be carried out during the 3 (three) Months stipulated in clause **Error! Reference source not found.**7. whereafter, the Auto-Mechanical Tariff Sampler shall be used.
- 5.6.2. Manual tariff sampling shall be conducted during the process of building each product stockpile in compliance with the Supplier's onsite safety requirements prevailing at the time.
- 5.6.3. Sampling directly from the front-end-loader bucket is strictly prohibited.
- 5.6.4. An increment or scoop shall be taken as per the Supplier's standard operating sampling procedure for the site as set out in **Appendix 3.3: Manual Tariff Sampling Procedure**.

5.7. Minimum Mass of Bulk Sample and Mass Measurement

5.7.1. The Supplier shall be responsible for ensuring that the minimum bulk sample mass requirements as set out in Table 3 below are adhered to.

Table 3: Minimum Requirements of Bulk Sample Masses

Stockpile tonnages	Minimum mass of bulk sample (kg)
[Supplier to provide]	[Supplier to provide]

5.7.2. The Supplier is required to have an operational scale that has a valid calibration certificate (calibrated 6 (six) Monthly and verified with calibrated mass piece) on site at all times to weigh the bulk sample prior to transport to the Nominated Laboratory.

5.7.3. In the event that the scale mentioned in clause 5.7.2 is not operational, the Supplier shall communicate in writing to Eskom's Contract Manager for an alternative arrangement.

5.7.4. The minimum mass of the bulk sample ready for delivery to the Nominated Laboratory shall be in accordance with Table 3 for the top size specified in the Limestone Supply Agreement. Any deviation from the bulk sample mass as specified in Table 3 shall mean that the stockpile has not been pre-certified.

5.7.5. If the minimum bulk sample mass requirements are not met, the Supplier shall representatively re-sample the stockpile, which shall mean re-handling the stockpile or Consignment and re-submit a valid bulk sample for that stockpile or Consignment.

5.8. Bulk Sample Identification and Storage

5.8.1. The bulk sample in each of the sample bags or containers shall be fully identifiable.

5.8.2. The bulk sample bags/containers shall be identified with waterproof tags, each marked by means of waterproof ink with adequate identifying information, 1 (one) tag being placed on the outside of the bag/container and 1 (one) being placed inside the bag/container.

5.8.3. The unique identification shall reflect the Mine name abbreviation followed by the date that the stockpile or Consignment was created, followed by an alphabet representing the stockpile or Consignment number for that day and product type where applicable. Each bulk sample bag shall be individually

labelled to reflect the number of bags, **e.g. (AAA## YYYY/MM/DD) B1, (AAA## YYYY/MM/DD) B2**. Barcoded labels may be used as soon as capacity is established by Eskom.

- 5.8.4. The composite bulk sample for each stockpile or Consignment shall be kept in a designated area and stored in access controlled facility (lockable bins/cage) at the point of sampling. The bulk sample shall be protected from tempering and to preserve its integrity during storage until it is collected by the Nominated Sample Transporter.

5.9. Bulk Sample Collection and Transportation to the Nominated Laboratory

- 5.9.1. Eskom is responsible for the transportation of the bulk sample from the Supplier to the Nominated Laboratory, using its Nominated Sample Transporter.
- 5.9.2. The Supplier shall communicate in writing the bulk sample mass, to the Nominated Sample Transporter prior to calling them to collect the bulk sample.
- 5.9.3. If the minimum bulk sample mass requirements are not met, the Nominated Sample Transporter shall not transport the bulk sample to the Nominated Laboratory. The Nominated Sample Transporter shall leave the bulk sample with the Supplier.
- 5.9.4. The Supplier's on-site representative and the driver of the Nominated Sample Transporter collecting the bulk sample for delivery to the Nominated Laboratory shall sign off the delivery note for the bulk sample prior to leaving site. Delivery note records shall be kept by both the Supplier and Nominated Sample Transporter for the duration of this Agreement.
- 5.9.5. In the event that the bulk sample integrity (damaged) is lost during transportation to the Nominated Laboratory, then the weighted average limestone quality results of the last three pre-certified stockpiles shall be used for this Agreement.
- 5.9.6. The Nominated Laboratory shall sign for the receipt of the bulk sample. In the event that the delivery note is not signed by the laboratory, a non-conformance shall be issued against the laboratory.
- 5.9.7. In the event that the Supplier disputes the analytical results of the Nominated Laboratory's report for a relevant bulk sample, the Nominated Laboratory shall make available the bulk reference sample as set out in the **sample preparation**

flow diagram recorded in **Appendix 1**, within 24 (twenty four) hours of receipt from the Nominated Sample Transporter

- 5.9.8. The Nominated Laboratory shall maintain dispatch records (details of the Party issuing and collecting with signatures, sample identification, collection date and time) of the Sample that was collected from the Nominated Laboratory.

5.10. Sample for the Supplier's Processes and Quality Control

- 5.10.1. The Supplier shall perform plant control analysis and mixing ratios as well as the associated qualities for the mix ratios to ensure pre-certification stockpiles are created within specification and records of control sample results and blending ratios shall be made available monthly and at Eskom's written request. The records shall be kept for the duration of this Agreement.
- 5.10.2. The Supplier's control sample or check sample shall not be extracted from the bulk sample.
- 5.10.3. Eskom shall only be liable for the transport and analysis costs of Contract Limestone stockpiles,
- 5.10.4. In the case of Auto-Mechanical Tariff Sampler being used a flopper splitter or online splitter shall be installed in the sample chute to extract a control sample. No "Y" splitters shall be installed.

6. RESPONSIBILITIES OF THE SUPPLIER, NOMINATED SAMPLE TRANSPORTER AND NOMINATED LABORATORY

6.1. Supplier

- 6.1.1. The Supplier shall be responsible at its own cost for all aspects of sampling as described in clause 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7 and 5.8 Eskom shall provide on-site representation. The Supplier shall ensure that Eskom's on-site representatives have access to verify the Eskom limestone pre-certification processes and have access to any section relevant to pre-certification. These include monitoring of limestone trucks from the quarry to the Eskom crush and screen area, weighbridges, incoming limestone trucks and trains, outgoing limestone trucks and trains, creation, sampling, and loading of stockpiles. Eskom employees and their auditing personnel shall be allowed on site, at Eskom's request. All Eskom representatives shall comply with the Supplier's on-site requirements in terms of the Health and Safety Act and the Supplier's policies and procedures prevailing at the time.

- 6.1.2. Eskom pre-certification stockpiling area shall be clearly demarcated with berms or a physical barrier away from limestone that is not intended for Eskom and other operations. The Supplier shall ensure that demarcation measures in place are sufficient to avoid cross contamination of the Pre-Certified Stockpiles. The layout / distance between the Pre-Certified Stockpiles shall be such that a front end loader can pass through. The layout of these processes shall form part of this LQMP, clearly indicating each area.
- 6.1.3. The Supplier shall, within 1 (one) hour of closing a stockpile, notify Eskom's Nominated Sample Transporter that the contractual sample is ready for collection from the designated collection area. The Nominated Sample Transporter shall, within 3 (three) hours, attend at the designated collection point to collect the bulk sample. Both the Supplier and the Nominated Sample Transporter shall sign the delivery note – Appendix 12, in duplicate, evidencing that the sample has been handed over to the Nominated Sample Transporter. The Nominated Sample Transporter shall, immediately after collection, transport the sample to the Nominated Laboratory in accordance with clause 6.2

6.2. Nominated Sample Transporter

- 6.2.1. The Nominated Sample Transporter shall ensure all required information in the delivery note as recorded below is accurately completed. The Nominated Sample Transporter shall maintain a delivery note that indicates:
- The name of the Nominated Sample Transporter;
 - The stockpile number, failing which the Nominated Laboratory shall not accept the bulk sample;
 - Ensure that the bulk sample is labelled correctly;
 - Note condition, number of bags and mass of bulk sample;
 - Note the date and time of receipt of the bulk sample;
 - Have the delivery note/receipt signed by the Supplier and issue a copy to the Supplier;
 - Ensure that the Nominated Laboratory signs the delivery note as evidence of bulk sample receipt; and
 - Issue the Nominated Laboratory with a copy of the delivery note as supporting documentation.
- 6.2.2. The Nominated Sample Transporter shall collect bulk samples from the Source and deliver to the Nominated Laboratory within 24 (twenty-four) hours.

6.2.3. All Eskom representatives shall comply with the Supplier's requirements in terms of the Mine Health and Safety Act and the Supplier's policies and procedures prevailing at the time.

6.3. Nominated Laboratory

6.3.1. The Nominated Laboratory representative shall verify the bulk sample against the delivery note and sign-off.

6.3.2. The Nominated Laboratory shall prepare and analyse bulk sample according to the procedures set-out in this LQMP and report the results within 24 (twenty four) hours to both Parties. In the event that the Nominated Laboratory fails to report the results simultaneously to both Parties within the above time period for 3 (three) times or more within any 1 (one) Month, the Parties shall immediately consult, with the purpose of appointing another Nominated Laboratory to replace the original Nominated Laboratory.

6.4. Eskom

- Shall address non-conformances registered against the Nominated Transporter, Laboratory and Supervising and Monitoring Company
- Adherence to the LQMP

7. ONSITE OVERSIGHT SUPERVISING AND MONITORING

7.1. General Oversight

7.1.1. Eskom shall provide on-site oversight of the pre-certification process, sampling and loading of Pre-Certified Stockpiles prior to Delivery.

7.1.2. Eskom shall contract with a Supervising and Monitoring Company to carry out these duties.

7.2. Responsibilities of the Supplier

7.2.1. Supplier shall ensure that the Supervisor(s) and Monitor(s) are inducted according to the Mine Health and Safety regulations, and the Supplier's policies and procedures prevailing at the time.

7.2.2. The Supplier shall provide the necessary site specific documentation relating to safe working procedures.

7.2.3. The Supplier shall clearly define the area of responsibility without compromising the roles as specified in 6.1

- 7.2.4. The Supplier shall provide reasonable access, as and when required, to the defined pre-certification area of responsibility.
- 7.2.5. The Supplier shall provide transport for the Supervisor(s) and Monitor(s) from the point of sign-in to the pre-certification area as provided in clause 6.1.1
- 7.2.6. The Supplier shall ensure that no stockpile(s) are created without Eskom onsite representation.
- 7.2.7. Ensure that the integrity of the bulk sample is maintained on-site.
- 7.2.8. The Supplier shall allow the Supervisor(s) and Monitor(s) use of their clock-in system and provide Eskom with the data from the clock-in system.
- 7.2.9. The Supplier shall ensure that the Supervisor(s) and Monitor(s) are not obstructed or prevented from performing their tasks as specified, unless they are performing such tasks in contravention of the Mine Health and Safety regulations and the Supplier's policies and procedures prevailing at the time or by instruction of the Department of the Minerals and Resources, subject to clause 6.1.1
- 7.2.10. The Supplier shall allow the Supervisor(s) and Monitor(s) use of cameras and photographic evidence to document foreign material, etc. that may be on the pre-certified stockpile provided that the cameras will not be used for any other purpose whatsoever.
- 7.2.11. The Supplier shall provide a site office and reasonable ablution facilities. The location of such office and ablution facilities shall be in a safe area to be agreed with Eskom.
- 7.2.12. The Supplier shall provide and implement corrective actions as accepted by Eskom in writing to resolve the non-conformances, identified and recorded in non-conformance reports (NCRs) by the Eskom onsite representatives.
- 7.2.13. The Supplier shall ensure that major non-conformances are resolved within 24 (twenty four) hours and minor non-conformances are resolved within 3 (three) days.

7.3. Responsibilities of the Supervising and Monitoring Company

The Supervising and Monitoring Company shall ensure that:

- 7.3.1. Necessary equipment compliant to the Supplier's site specific requirement, including safety requirements, (relevant personal protective equipment (PPE)),

raincoats, thermal overalls for winter, stationary, etc.) required by the Supervisor(s) and the Monitor(s) to perform duties are provided and made available to its staff at all required times.

- 7.3.2. All personnel are competent to perform the relevant tasks and competency records be made available at Eskom's request.
- 7.3.3. Relevant medical certification is provided, a copy to be given to the Supplier, as per Supplier Lime medical surveillance
- 7.3.4. Their personnel have access to the Mine Health and safety regulations and relevant standards as well as the relevant Supplier's policies and procedures prevailing at the time.

7.4. Role of the Supervisor(s)

The Supervisor(s) shall:

- 7.4.1. Ensure that all Monitors per shift are on duty at all times.
- 7.4.2. Ensures that all Monitors wear applicable PPE and work safely.
- 7.4.3. Ensures that Monitors draw the mapping/outlay of location of pre-certified stockpiles daily.
- 7.4.4. Receive all daily log-sheets and summarise the information.
- 7.4.5. Perform daily random checks to verify recorded information, i.e. daily full shift site visits. A log of site visits and observations shall be kept.
- 7.4.6. Provide guidance to Monitors and maintain discipline.
- 7.4.7. Obtain a Supplier representative sign-off indicating if the stockpile is in or out of contractual specification. Supply daily stockpile status to on-site Monitor(s).
- 7.4.8. Compile daily reports and submit weekly to Eskom representatives.
- 7.4.9. Report gross deviations, non-conformances, etc. to relevant senior representatives of the Parties immediately.
- 7.4.10. Ensure that the integrity of the bulk sample is maintained on-site.

7.5. Role of the Monitor(s)

The Monitor(s) shall oversee, record and report the following activities:

7.5.1. Stockpile Creation:

- 7.5.1.1. Stockpiles creation, demarcation and proper labelling according to clause **Error! Reference source not found.**
- 7.5.1.2. Verify that all limestone being fed into the plant is coming from the or approved Source(s).
- 7.5.1.3. Stockpile(s) being built are free of non-limestone material (rock material, steel, etc.), are not visibly wet, too fine or too coarse.
- 7.5.1.4. Signposting of pre-certified product stockpile(s) as per clause **Error! Reference source not found.** by placing of pre-certification signboards (red, yellow or green) on all stockpiles.
- 7.5.1.5. Draw the mapping/outlay of location of Pre-Certified Stockpile(s) daily.
- 7.5.1.6. Declaration of stockpile results – record and observe the treatment of out of specification stockpiles.

7.5.2. Auto-Mechanical Tariff Sampler:

- 7.5.2.1. Verify the sampling interval on an hourly basis and record it on the form.
- 7.5.2.2. Spillage when the cutter takes an increment.
- 7.5.2.3. Report if there are modifications made to the Auto-Mechanical Tariff Sampler other than maintenance.
- 7.5.2.4. Authenticity of the bulk sample, i.e. that the integrity of the bulk sample is maintained until it is sent to the Nominated Laboratory.
- 7.5.2.5. Bulk sample is labelled and sealed according to this LQMP.
- 7.5.2.6. Bulk sample is stored in a lockable storage facility, to which both Parties must have keys where both Parties must be present for unlocking of the storage facility.

[Drafting note: The following clause Error! Reference source not found. is only applicable to Agreements where the Supplier is unable to install and commission an Auto-Mechanical Tariff Sampler before the Commencement Date.]

7.5.3. Manual Tariff Sampler:

- 7.5.3.1. Manual tariff sampling is conducted according to the relevant standards and as outlined in this Agreement(Annexure 3.3); Check scoop size, and frequency of sampling per front-end loader.
- 7.5.3.2. Sample is labelled and sealed according to this Agreement.

7.5.4. **Load-Out of Contract Limestone Transported on Road or Rail:**

- 7.5.4.1. Ensure that the weighbridge certificate reflects the Pre-Certified Stockpile from which the Contract Limestone was loaded.
- 7.5.4.2. Contract Limestone being loaded has been pre-certified and meets the Quality Specification.
- 7.5.4.3. Contract Limestone being loaded is free of non-limestone material (rock material, steel, etc.), is not visibly wet, too fine or too coarse.
- 7.5.4.4. Record all loaded Pre-Certified Stockpile(s) and the first and the last three trucks/wagons from each stockpile.

7.5.5. **Treating of Reject Limestone:**

7.5.6.1 Treated limestone is returned for reprocessing

- 7.5.6.1. Report to Eskom if any Reject Limestone is loaded and check compliance to applicable procedure.
- 7.5.6.2. Comments on the process followed.
- 7.5.6.3. Compliance to retention period of out of specification stockpile(s) as per clause **Error! Reference source not found..**

7.5.7. **Administration:**

- 7.5.7.1. Keep daily log-sheets of pre-certification activities, load-out and any deviations from this Agreement.
- 7.5.7.2. Record and report any deviation from this Agreement to the Parties' representatives.
- 7.5.7.3. Update daily **stockpile log-sheets** (Refer to **Appendix 8**).

7.5.8. **Oversight at the Mine Laboratory:**

- 7.5.8.1. Confirm the bulk sample mass weighed and captured in the record book.
- 7.5.8.2. Oversee the bulk sample that has been collected, check it against the Nominated Sample Transporter's delivery note (sign-off between the Mine and the Nominated Laboratory) and capture in record book

7.5.9. **Indemnity/Third Party Insurance**

Although the Supplier is the appointed and responsible manager with respect to liability in terms of the Mine Health and Safety Act, Eskom shall ensure that the Monitoring and Supervising Company provides adequate 3rd (third) party cover (insurance and workman's compensation) for the on-site representatives. The necessary procedure shall be provided to the Parties to demonstrate compliance.

8. SAMPLE PREPARATION

8.1. The bulk sample shall be prepared for the contractual analysis at the Nominated Laboratory as described hereunder.

8.2. Sample Preparation Regime

8.2.1. The sample preparation regime shall be in accordance with the guidelines set out in the relevant laboratory sample preparation procedure.

8.2.2. The Supplier may visit the Nominated Laboratory on 24 (twenty four) hour notice, to verify that correct procedures are being followed.

8.2.3. The sample preparation shall be performed in line with the minimum requirements as indicated in the sample preparation flow sheet diagram. Refer to **Appendix 1**.

9. ANALYTICAL DETERMINATIONS

9.1. Standard Methods

The contractual analysis of the prepared bulk sample will be performed at the Nominated Laboratory in accordance with the latest standards methods as outlined in Table 4 hereunder, or the latest as amended or replaced from time to time.

Table 4: Standard Methods for Analysis

Standard Methods	Reference standard
Standard practice for sampling, sample preparation, packaging and marking of lime and or limestone products	ASTM Designation C50-00
Standard test method for X-ray Spectrometric analysis of lime and limestone	ASTM C1271 – 99
Standard test methods for chemical analysis of limestone, quicklime and hydrated lime	ASTM C25-06
Size Grading	ASTM C110 - 16
Density for volume determination (kg/m ³) (optional)	Laboratory developed and Validated method
Density for weight determination (kg/m ³) (optional)	Laboratory developed and Validated method

Standard Methods	Reference standard
Standard practice for sampling, sample preparation, packaging and marking of lime and or limestone products	ASTM Designation C50-00
Moisture Analysis	Laboratory developed gravimetric method and validated in-house method
Reactivity using pH stat method (optional)	Laboratory developed and Validated in-house method

9.2. Contractual Analysis

The analysis of the contracted Limestone shall be conducted utilizing X-Ray Fluorescent spectrometer (XRF) – pressed pellets methods and the following analysis shall be determined:

- Calcium Carbonate (CaCO_3);
- Magnesium Carbonate (MgCO_3);
- Silicon Dioxide (SiO_2)
- Aluminium Oxide (Al_2O_3)
- Iron-Oxide (Fe_2O_3)
- Size grading

The XRF analysis shall be conducted in duplicate and the average of the two results shall be reported when the difference is within the repeatability limits for normal performance specified in the table below.

Table 5: Repeatability limits

Table 1 — Repeatability limits for analysis validation

Element mean value % mass fraction	Repeatability limit for "normal" performance % mass fraction absolute	Repeatability limit for "expert" performance % mass fraction absolute
0 to 0,49	0,057	0,023
0,50 to 0,99	0,080	0,032
1,00 to 1,99	0,110	0,044
2,00 to 3,99	0,135	0,054
4,00 to 4,99	0,155	0,062
5,00 to 6,99	0,172	0,069
7,00 to 9,99	0,202	0,081
10,00 to 14,99	0,240	0,096
15,00 to 19,99	0,290	0,116
20,00 to 24,99	0,335	0,134
25,00 to 29,99	0,372	0,149
30,00 to 34,99	0,405	0,162
35,00 to 39,99	0,437	0,175
40,00 to 44,99	0,465	0,186
45,00 to 49,99	0,492	0,197
50,00 to 54,99	0,517	0,207
55,00 to 59,99	0,542	0,217
60,00 to 64,99	0,565	0,226
65,00 to 69,99	0,587	0,235
70,00 to 74,99	0,610	0,244
75,00 to 79,99	0,630	0,252
80,00 to 100	0,650	0,260

9.3. Turnaround Time

9.3.1. The Nominated Laboratory shall ensure that the turnaround time from the time the bulk sample is received at the Nominated Laboratory to the reporting of the contractual analytical results, does not exceed 24 (twenty four) hours for analysis.

9.3.2. In the event that the Nominated Laboratory is unable to provide contractual analytical results (inclusive of providing dispute declaration samples) within 48 (forty-eight) hours, then the qualities of the control sample for the affected stockpile shall be used, provided that the Supplier furnish Eskom with the qualities of the control samples so that Eskom can approve the continued delivery.

10. ANALYTICAL DIFFERENCES AND DISPUTE RESOLUTION

10.1. Declaration and Resolution of Disputes

10.1.1. Either Party may declare a dispute on a stockpile that has been through the pre-certification process, prior to the dispatch of the stockpile from the Mine

to the Power Station or any other Eskom nominated site under the following conditions:

- 10.1.1.1. The Supplier may declare a dispute in the event that the limestone quality parameter/s of a pre-certified stockpile does not comply with the Quality Specifications. The Supplier shall provide Eskom with certificate of analysis (COA) for the specific stockpile to prove that the stockpile results as analysed by the Mine appointed laboratory were within the Quality Specifications. The Mine laboratory shall be ISO 17025 accredited. A dispute may only be declared if the Mine results are within the limestone Quality Specifications. Should the Mine results as reflected on the COA not comply with the Quality Specifications, then a dispute may not be declared.
- 10.1.1.2. Eskom may at any given time declare a dispute without provision of analytical results.
- 10.1.1.3. If reasonable grounds exist to suspect that the requirements as set out in this Agreement were not adhered to, as per findings arising from a recent audit as specified in clause 12 (conducted within a Month and not been addressed).
- 10.1.2. A dispute shall be declared in writing within 5 (five) Business Days of the analysis results becoming available to both Parties by submitting a completed **dispute declaration form** provided in **Appendix 10** and COA in case of the Supplier declaring a dispute.
- 10.1.3. Only 1 (one) dispute shall be declared per Pre-Certified Stockpile.
- 10.1.4. Where the Supplier declares a dispute, the Supplier shall notify Eskom to organise transport for the bulk reference sample (as specified in **Appendix 1**) to be delivered to a mutually agreed Nominated Dispute Laboratory other than the Nominated Laboratory.
- 10.1.5. Where Eskom declares dispute, Eskom shall inform the Supplier of the transportation of the bulk reference sample (as specified in **Appendix 1**) to a mutually agreed Nominated Dispute Laboratory other than the Nominated Laboratory.
- 10.1.6. Eskom shall assess the dispute declared to ensure that the requirements above have been met before the bulk reference sample is transported to the Nominated Dispute Laboratory for analysis.

- 10.1.7. The Nominated Dispute Laboratory shall be ISO 17025 accredited by SANAS and shall be audited and reviewed by both Parties before any work can be placed.
- 10.1.8. Should a dispute be declared on any of the quality parameters in the case of the Chemical Analysis, then all such parameters shall be analysed on the bulk reference sample and reported for dispute resolution purposes.
- 10.1.9. The results from the independent Nominated Dispute Laboratory will be final and binding save in respect of a manifest error.

11. LIMESTONE QUALITY DETERMINATION AND REPORTING

- 11.1. The analysis of the prepared sample will be performed at the Nominated Laboratory (including any other approved laboratory performing part of analysis) in accordance with the standards methods outlined in Table 4 above, or the latest as amended or replaced from time to time.
- 11.2. The XRF analysis shall be conducted in duplicate and the average of the two results shall be reported when the difference is within the limits specified in clause 9.2.
- 11.3. The Nominated Laboratory shall produce a report of the results of the analysis. The approved report format is as set out in **Appendix 6: Laboratory Limestone Quality Report Template**.
- 11.4. The Nominated Laboratory shall electronically distribute each report simultaneously to both Parties and no results shall be reported telephonically.
- 11.5. A distribution list provided by both Parties via electronic mail ("e-mail") shall be communicated to the Nominated Laboratory by Eskom.
- 11.6. Turnaround times as set out in clause 9.3 shall be strictly adhered to. Refer to clause 9.3.2 if the Nominated Laboratory results are not reported within 48 (forty-eight) hours.
- 11.7. The Supplier may request historical laboratory results (older than 3 (three) months) via Eskom's Contract Manager.

12. TECHNICAL AUDITS

12.1. Laboratory Audits

- 12.1.1. Biannual audits of the Nominated Laboratory or any other laboratory, such as the Power Station laboratory or Mine laboratory, which may be used, subject

to Eskom's agreement, for analysis in terms of the Agreement shall be carried out. Laboratory systems shall comply with ISO 17025. Eskom is responsible for issuing a summary report to the laboratory,

12.1.2. A schedule of laboratory audits shall be communicated to the laboratories by Eskom and may be requested by the Supplier. The Supplier or Eskom may request a joint laboratory audit on an as and when required.

12.1.3. Laboratory non-conformances shall be issued during the audit or within 24 (twenty four) hours of the audit. The non-conformances shall be addressed and corrective actions shall be sent to Eskom within 24 (twenty four) hours for major non-conformances and within 3 (three) day for minor non-conformances.

12.2. Sampling Audits

12.2.1. The sampling procedure and/or pre-certification process shall be jointly audited at least once a Year. Eskom shall notify the Supplier of an audit at least 48 (forty-eight) hours in advance. A copy of the audit report shall be forwarded to the Supplier.

12.2.2. A schedule of the Auto-Mechanical Tariff Sampler audits shall be communicated by Eskom and may be requested by the Supplier.

13. PRE-CERTIFIED STOCKPILE MANAGEMENT

The following apply to the pre-certification of stockpiles prior to Delivery:

13.1. The Supplier shall have a mass-meter on the final product conveyor to determine the tonnage of the stockpiles. The Supplier shall measure the tonnage of the stockpiles created.

13.2. The size of each Pre-Certified Stockpile shall be kept at a minimum of **[insert stockpile tonnage]** tons, unless otherwise agreed, subject to sampling and analysis as described in the proceeding clauses.

13.3. If Eskom allows deliveries from more than 1 (one) Source per Agreement, then the Supplier shall approach Eskom for approval of more than 1 (one) sample per Agreement per day. Approval shall be based on tonnages, analysis budget, etc.

13.4. The size of the Pre-Certified Stockpile(s) may be increased subject to Eskom's agreement. In all instances the quality of the daily equivalent tonnages making up such Pre-Certified Stockpile shall meet the Quality Specification.

- 13.5. Pre-Certified Stockpile(s) must be identified with a coloured signboard fixed next to the stockpile indicating the stockpile status as shown in Table 6 below:

Table 6: Signboards Indicating Stockpile Status

Signboard Color	Pre-Certification Status	Loading Status
Green	In specification	Can be loaded
Yellow	Awaiting results	Cannot be loaded
Red	Out of specification	Cannot be loaded

- 13.6. The unique identification to be written on the signboard of the Pre-Certified Stockpile shall reflect the Mine name abbreviation followed by the date that the stockpile was created, followed by an alphabet representing the stockpile letter for that day and product type where applicable.
- 13.7. The Pre-Certified Stockpile identification numbers shall be recorded on the weigh bill slips prior to Delivery or Take Off.
- 13.8. The tonnage of each Pre-Certified Stockpile, with the associated result of analysis, shall be reconciled with the tonnage received at the Power Station for that specific Pre-Certified Stockpile.
- 13.9. The Supplier shall ensure that the above process is adhered to at all times. Any deviation from the process shall be recorded for audit purposes and shall mean that the said stockpile has not been pre-certified and that such stockpile is in fact Reject Limestone.
- 13.10. No stockpile that has qualities outside of the Quality Specification, as tabled in the LSA, or has violated the sampling and stockpile management processes as described in this Agreement shall be dispatched to Eskom.
- 13.11. The control sheet linking the as-produced qualities and tonnage to the Pre-Certified Stockpile(s) and the weighbridge certificates must be signed off by both Parties' representatives for invoice verification. The Supplier must ensure that the weighbridge certificates reflect the Pre-Certified Stockpile(s) from which the Contract Limestone was loaded.

14. TREATMENT OF REJECT LIMESTONE STOCKPILES -

- 14.1. Where the product stockpile does not meet the Quality Specification or where the sampling and stockpile management processes as set in this Agreement are violated, such Reject Limestone stockpile shall be completely removed from the pre-

certification stockpiling area and/or shall be reprocessed to become Contract Limestone.

- 14.2. The Reject Limestone stockpiles shall not be in the pre-certification stockpiling area for longer than 7 (seven) Business Days. In other words the Reject Limestone stockpiles shall be removed from the pre-certification stockpiling area within 7 (seven) Business Days.
- 14.3. Where Reject Limestone is reprocessed/blended it shall be processed and sampled in accordance with the processes and procedures set out in this Agreement. The Supplier shall, at its own cost, be responsible for the reprocessing/blending of Reject Limestone stockpiles.
- 14.4. Records shall be maintained regarding the treatment of Reject Limestone stockpiles together with new stockpile name if reprocessed.
- 14.5. A stockpile that has Reject Limestone shall not be dispatched to Eskom.
- 14.6. Where the product stockpile does not meet the Quality Specification or where the sampling and stockpile management processes as set in this Agreement are violated, such Reject limestone stockpile shall be completely removed from the pre-certification stockpiling area
- 14.7. The Reject stockpiles shall not be in the pre-certification stockpiling area for longer than 7 (seven) Business Days. In other words the Reject limestone stockpiles shall be removed from the pre-certification stockpiling area within 7 (seven) Business Days.
- 14.8. Records shall be maintained regarding the treatment of Reject limestone stockpiles together with new stockpile name if reprocessed.
- 14.9. Eskom shall not pay for transportation and analysis of samples of Reject limestone stockpiles, such samples shall be paid for by the Supplier

15. ASSURANCE ON THE PRE-CERTIFICATION PROCESS

In order to ensure assurance of the pre-certification process the Supplier shall be required to adhere to the following:

15.1. Verification of Process flow

- 15.1.1. The Supplier shall have adequate capacity to ensure consistency within the Contract Limestone Consignment.

- 15.1.2. The Supplier shall be required to provide Eskom with a flow diagram/system/procedure outlining the process that shall be adhered to for the duration of this Agreement. The flow diagram is attached as Appendix 10.

15.2. Pre-Certification Sampling

- 15.2.1. The Supplier shall install Auto-Mechanical Tariff Sampler(s), interlocked with final product belt(s).
- 15.2.2. The Supplier shall provide Eskom with a flow diagram/system/procedure indicating the auto-mechanical sampling process that shall be adhered to for the duration of the Agreement. The flow diagram/system/procedure are attached as Appendix 3.1 and 3.2.
- 15.2.3. The Supplier shall install a tamper proof aut Auto-Mechanical Tariff Sampler(s),. The design of Auto-Mechanical Tariff Sampler(s), is shown in Appendix 3.2.

15.3. Load-out Controls

- 15.3.1. The Supplier shall provide Eskom with a flow diagram/system/procedure indicating the load out control process that shall be adhered to for the duration of the Agreement.
- 15.3.2. The Supplier shall implement the following:
- 15.3.2.1. A traffic management system.
- There shall be clear separation of incoming and outgoing traffic. There shall also be strict adherence to the prescribed Consignment size, which shall be equal to the agreed Consignment size. Mini “transit” stockpiles shall not be allowed.
- 15.3.2.2. A weighbridge identity system.
- The approved system shall include the stockpile identity on the weighbridge certificate. For Delivered Agreements the vehicle tracking system shall be required to be compatible to Eskom’s vehicle tracking system. Eskom may, on an ad-hoc basis, request information from the vehicle tracking system. The Supplier shall make such information available to Eskom by the requested date.
- 15.3.3. The Supplier shall provide Eskom with a daily stockpile status report showing a reconciliation of pre certified tonnages (Total stockpile tonnages, tonnages

dispatched and stockpile number). The format of the status report shall be agreed to by the Parties and included in the agreement. The Supplier shall provide survey reports on request, for audit purposes.

15.3.4. The Eskom shall provide the onsite monitors with pre-certification stockpile sign off checklist indicating whether the stockpile is within or out of specification. The Supplier will be co-signatory to the checklist.

15.3.5. The Supplier shall ensure that mass-meters are installed to measure the limestone on the Pre-Certified Stockpiles.

15.3.6. Manual resampling of stockpiles shall not be allowed, including re-worked/out of specification stockpiles.

15.3.7. The Supplier shall ensure adequate supervision of load-out activities as per Appendix 4.

15.3.8. The Supplier shall ensure that incoming trucks are tipped before loading.

15.3.9. The Supplier shall ensure stockpile separation – run-of-mine (ROM) stock separated from Pre-Certified Stockpile to avoid contamination.

16. VERIFICATION OF PRE-CERTIFIED DELIVERIES

16.1. Verification

16.1.1. Eskom reserves the right to perform Verification at its own cost and in line with ASTM C50-00.

17. REVIEW AND AMENDMENTS OF THIS AGREEMENT

17.1. If changes occur in legislation, codes of practice, or standards, when a functional error is identified, changes to the structure or operation of the Auto-Mechanical Tariff Sampler or manual tariff sampling procedures, or if there are changes in the sample preparation requirements or to the currently accepted local or international standards, as set out in Table 4, which require amendments to this Agreement then either Party shall be entitled to request amendments to this Agreement and the Parties shall negotiate in good faith in order to agree on the appropriate amendments within a reasonable time period, but by no later than 10 (ten) Business Days of the written request for the amendment, failing which either Party may then refer the matter for determination by an independent expert in terms of clause 26 of the Standard Terms and Conditions of Limestone Supply in order for the expert to determine how this Agreement shall be reasonably amended. In agreeing any

amendments to this Agreement, the Parties will have regard to the impact on this Agreement and the LSA.

- 17.2. Once particular agreements have been reached then the respective changes shall be documented and implemented. The amended Agreement will become effective on a date to be agreed by the Parties or, in the event of the Parties failing to reach agreement, on a date to be determined by the independent expert.

APPENDIX 1: LIMESTONE HANDLING AND SAMPLE PREPARATION PROCESS FLOW DIAGRAM

<Insert the supplier's site specific limestone handling and preparation process flow diagram.>

APPENDIX 2: GEOGRAPHIC LOCATION OF THE AUTO-MECHANICAL TARIFF SAMPLER

<Insert the supplier's site map showing the geographic location of the sampling plant. The GPS coordinates must be shown on the diagram. The page layout can be modified to allow for the Process flow diagram to be easily readable>

APPENDIX 3.1: AUTO-MECHANICAL TARIFF SAMPLING PROCEDURE

<Insert the supplier's site specific auto-mechanical tariff sampling procedure.>

APPENDIX 3.2: AUTO-MECHANICAL TARIFF SAMPLING PROCESS FLOW DIAGRAM

<Insert the supplier's site specific process flow diagram for the auto-mechanical tariff sampling plant to be used for contractual sampling as described in this LQMP.>

APPENDIX 3.3: MANUAL TARIFF SAMPLING PROCEDURE

<Supplier to add the supplier's site specific manual tariff sampling procedure.>

APPENDIX 4: LOAD OUT PROCEDURE

<Supplier to add the supplier's site specific load out procedure.>

APPENDIX 5: LABORATORY LIMESTONE QUALITY REPORT TEMPLATE

TEST REPORT		LAB NAME	
Eskom Holdings Nr 1 Maxwell Drive, Sunninghill Sandton 2155			
Att: Client			
Received Date:		11/11/1111	
Reported Date:		11/11/1111	
Reference No:		XXXXXXX	
Sample Name		XXXXXXX	
Seal Number		XXXXXXX	
Sample Condition		XXXXXXX	
Sample Number		XXXXXXX	
Analysis		Method Identification	
Total Silica as SiO ₂ , %		0.00	
Aluminium as Al ₂ O ₃ , %		0.000	
Total Iron as Fe ₂ O ₃ , %		0.000	
Manganese as Mn ₂ O ₃ , %		0.000	
Calcium as CaCO ₃ , %		0.00	
Magnesium as MgCO ₃ , %		0.00	
Total Oxide %		0.00	
Bulk Density, Kg/M ³			
TOTAL Moisture, % m/m		0.00	
PSD %			
SIEVES (%) m/m	Method Identification	Result	
+ 25 mm		0.00	
+ 4.75 mm		0.00	
Remainder		0.00	
Total		0.00	
Authorised By:		TECHNICAL SIGNATORY	

APPENDIX 6: SUPPLIER DAILY LIMESTONE QUALITY REPORT TEMPLATE

<Supplier to add the supplier's daily limestone quality report template>

STOCKPILE LOG SHEET


[illegible]

Supplier Supervisor

APPENDIX 8.1: MANUAL TARIFF SAMPLING LOG-SHEET

<Insert the supplier's manual tariff sampling log-sheet.>

APPENDIX 8.2: MONITORS HOURLY AUTO-MECHANICAL TARIFF SAMPLING OBSERVATION FORM

	Primary Energy Division Auto-Sampler: Sampling Interval Template	Unique Identifier	726993
		Revision	0
		Revision Date	01 April 2017
		Effective Date	01 April 2017
Time	Design Sampling Interval/Frequency(s)	Actual Sampling Interval/Frequency (s)	
06:00			
07:00			
08:00			
09:00			
10:00			
11:00			
12:00			
13:00			
14:00			
15:00			
16:00			
17:00			
18:00			
19:00			
20:00			
21:00			
22:00			
23:00			
00:00			
01:00			
02:00			
03:00			
04:00			
05:00			

NOTE: The frequency will vary from site to site. The design sampler interval or frequency shall be extracted from the mine's signed sampling procedure.

APPENDIX 9: DISPUTE DECLARATION FORM

	PRIMARY ENERGY QUALITY ASSURANCE DISPUTE DECLARATION REQUEST FORM		Unique Identifier	
			Revision	0
			Effective Date	March 2012

SECTION A: STOCKPILE NUMBER:			
Name of person declaring Dispute		PARAMETER/S DISPUTED:	
Name of originating lab:			
Lab Sample Reference No.:			
SECTION B: REASONS FOR DECLARING THE DISPUTE			
Accept Dispute Declaration:		Reject Dispute Declaration:	
		Reason:	
SECTION C: NAME OF DISPUTE LAB			
SECTION D : DISTRIBUTION LIST			
SECTION E : CONDITIONS FOR DISPUTE LAB			
<p>Should a dispute be declared on any of the quality parameters in the case of the chemical analysis (X-Ray Fluorescent spectrometer), then all such parameters (Calcium Carbonate (CaCO₃); Magnesium Carbonate (MgCO₃); Silicon Dioxide (SiO₂); Aluminium Oxide (Al₂O₃); Iron-Oxide (Fe₂O₃), Manganese oxide (Mn₂O₃)) shall be re-analysed on the bulk reference sample and reported for contractual purposes.</p> <p>Should a dispute be declared on any of the quality parameters in case of physical analysis (Size grading or Bulk Density), then only such parameter shall be done on the bulk reference sample.</p>			
SECTION F: OTHER CONDITIONS			
Only one dispute shall be declared per pre-certified stockpile. The results from the independent laboratory will be final and binding.			
SECTION G		DATE THE ORIGINATING LAB RECEIVED DISPUTE REPORT:	
Name:		Date:	
Source/Mine:			

APPENDIX 10: LIMESTONE PROCESS FLOW DIAGRAM

<Supplier to add site specific limestone process flow diagram>

APPENDIX 11: ESKOM PRECERTIFIED STOCKPILE LAYOUT AREA

<Supplier to add site specific stockpile layout area diagram>