

# Schedule 1 – Works Specification

## 1 GENERAL

This Contract is for the quarrying, crushing and screening of lime sand at the Ocean Beach Lime Sand Quarry for the purpose of producing agricultural lime sand, and the loading of the processed lime sand for transportation. Rehabilitation works are also a requirement.

The Ocean Beach Lime Sand Quarry is located at Lot 7836, on Deposited Plan 192456 within Shire of Denmark Reserve No. 46273 on Ocean Beach Road. The land is vested in the Shire of Denmark.

The whole of the Works under this Contract shall be carried out to the satisfaction of the Principal.

## 2 PRINCIPAL RESPONSIBILITIES

The Principal's responsibilities under this Contract will generally consist of:

- (a) Customer Order Management;
- (b) Advising customers of operating restrictions on haulage times; and the disbursement of haulage agreement letters.
- (c) Legislative Reporting.
- (d) Quarry Site Feature Surveys (pre and post surveys).

## 3 CONTRACTOR RESPONSIBILITIES:

The Contractor's responsibilities and The Works under this Contract will generally consist of:

- (a) The excavation of lime sand, crushing and screening for the production of agricultural lime sand to the quantity and quality specifications in Clause 5.4 and 5.5 in this Works Specification.
- (b) Supply of all plant and equipment to undertake the quarrying, crushing and screening of lime sand for the purpose of producing agricultural lime sand, refer to Clause 10 of this Works Specification.
- (c) Supply of all plant and equipment to undertake the loading of agricultural lime sand. Refer to Clauses 5.1 and 10 in this Works Specification.
- (d) Loading of agricultural lime sand into Transport Vehicles as per Clause 5.7 of this Works Specification.
- (e) Provision of Plant Hygiene Certificates prior to works starting on site at the prestart meeting as per Clause 10.
- (f) Liaising directly with customers and, or their transport Contractor, to ensure lime sand out-loading bookings are adhered to, as per Clause 5.7 in this Works Specification.
- (g) Provision of daily docket and documentation to the Principal as specified in Clause 5.7 in this Works Specification.
- (h) Provision of a COVID19 register for all truck entries to the Lime Sand Quarry as per. Clauses 5.7 and 5.8 COVID19 requirements in this Works Specification.
- (i) Advising and regulating truck operators of operating restrictions on haulage times and RAV conditions as per Clauses 5.2 and 5.7 of this Works Specification and MRWA Main Roads Restricted Access Vehicle Conditions.
- (j) Undertaking Rehabilitation works such as topsoil removal, storage and spreading as per Clause 6 of this Works Specification.
- (k) Maintaining of the Access Road and Lime Sand Quarry Pit Roads as per Clause 6.2 of this Works Specification.

- (l) Site Security as per Clause 5.9 of this Works Specification.
- (m) Provision of a Construction Program of Works to be provided to the Superintendent at the prestart meeting prior to works starting on site. Reference Clause 32 of General Conditions AS 4000-1997, and Amendments to Clauses 32 and 44 of Part B Annexure of Contract AS4000-1997.
- (n) Adhering to the Mining Staging Plan for each stage as per Clause 5.3.
- (o) Testing of Lime sand as per Clause 5.5 in this Works Specification.
- (p) Adherence to various regulations and legislation as per Clause 5 of this Works Specification.

#### 4. EXCLUSIONS

The provision of haulage services to customers is excluded from this Contract.

The Contractor cannot use the information gained in the performance of these Works to contact potential or actual customers to provide haulage services.

#### 5. SITE OPERATIONS:

The operation of the Site shall be in accordance with this Works Specification Clauses 1 to 10; the General Conditions of Contract AS4000; Part A and Part B Annexures of General Conditions of AS4000-1997; and all other Principal supplied documents that form part of this Contract (as listed in Item 15 of Part A Annexure of General Conditions of AS4000-1997).

The Contractor is not to undertake any activities that would compromise the intent of the Environmental Management Plan for the site. The site is under rehabilitation with stockpiled soil material to be used for future revegetation/rehabilitation. The Contractor is to undertake rehabilitation works as per Clause 6 of this Works Specification.

The Contractor is to be familiar with and abide by various plans, surveys, regulations and legislation (as listed in Item 15 of Part A Annexure of General Conditions of AS4000-1997) :

- a) Mine Staging Plan and Feature Survey
- b) The Lime Industry Code of Practice weblink: [Lime WA » Code of Practice](#),
- c) RAV4 Network Conditions, Tandem Drive Network 4 with Conditions Ocean Beach Rd - extract.
- d) Main Roads Restricted Access Vehicle Conditions weblink: [Access Requirements in WA | Main Roads Western Australia](#),
- e) Environmental Management Plan weblink: [CME - Template EMP Management Objective based FINAL.doc \(denmark.wa.gov.au\)](#)
- f) Mines Safety and Inspection Act 1994 weblink: [WALW - Mines Safety and Inspection Act 1994 - Home Page \(legislation.wa.gov.au\)](#)
- g) Mines Safety Inspection Regulations 1995 weblink: [WALW - Mines Safety and Inspection Regulations 1995 - Home Page \(legislation.wa.gov.au\)](#)
- h) Occupational Safety & Health Act 1984 weblink: [WALW - Occupational Safety and Health Act 1984 - Home Page \(legislation.wa.gov.au\)](#)
- i) Occupational Safety and Health Regulations 1996 weblink: [WALW - Occupational Safety and Health Regulations 1996 - Home Page \(legislation.wa.gov.au\)](#)
- j) OEPA Regulations weblink: [Legislation | EPA Western Australia](#)
- k) The Privacy Act 1988 weblink: [Privacy Act 1988 \(legislation.gov.au\)](#)
- l) Protection of Information (Entry Registration Information Relating to COVID-19 and Other Infectious Diseases) Act 2021 weblink: [WALW - Protection of Information \(Entry Registration Information Relating to COVID-19 and Other Infectious Diseases\) Act 2021 - Home Page \(legislation.wa.gov.au\)](#)

The Contractor must provide appropriate safety signage which is to be installed at the Quarry Entrance Gate located at the top of the Quarry Access Road.

Such Site signage is to include the following: -

- i) the company name;
- ii) onsite supervisors contact details (name and phone number including after hours);
- iii) site radio contact channel;
- iv) the PPE requirements for the site.
- v) Muster Point.

The Principal will supply and install their own signage at the Entrance Gate immediately off Ocean Beach Road at the base of the Quarry Access Road.

### **5.1 Periods Of Operation**

As per special conditions of contract in the Request for Tender.

### **5.2 Hours of Work**

The hours of work under the Contract will be limited to:

Mondays to Fridays	6:00am to 6:00pm
Saturdays	8:00am to 4:00pm
Sundays	Requires Principal Approval
No Haulage on Public Holidays. No Haulage permitted between 8 – 9 am or 3 – 4 pm on School Days. No Haulage permitted while the school bus is operating on the road. Operators must contact the relevant schools or have direct contact with the bus drivers to confirm bus drop off and pick up times.	
No Works can be conducted outside of these hours.	

### **5.3 Extraction Plan:**

At the prestart meeting prior to commencing Works for each campaign, the Contractor and the Site Superintendent shall agree on the Extraction of Lime as per the Mining Staging Plan. Refer to Attachment (E) of the tender documents.

No Works shall commence on Site until the Extraction Plan has been agreed in writing by each Party. Any changes and/or amendments to the Mine Staging Plan submitted for approval by the Principal prior to any works commencing

The Extraction Plan shall align with the Environmental Management Plan and Mine Staging Plan as provided by the Principal as part of this contract.

### **5.4 Limitation On Quantity**

The Contractor shall not process (excavate, crush, screen or load) more than 15,000 tonnes of lime sand in total per annum.

### **5.5 Quarry Lots and Testing**

The Contractor may process (excavate, crush and screen) 5000 tonnes of lime sand per lot. Prior to commencing any new lot, the Contractor must obtain written permission from the Principal.

The Contractor shall submit the following details to the Superintendent at a rate of one test per 5,000 tonnes.

The testing of processed agricultural lime sand shall be completed in accordance with Lime WA Inc Agricultural Lime Industry Code of Practice. Standard code of practice test will be required for each 5000-tonne lot (Full test including particle size distribution, NV per fraction, weighted average NV, bulk NV, Ca, Mg and Na) by an approved laboratory.

The Contractor shall be responsible for the design of the lime sand mix. The processed lime sand is to be Class 1 Agricultural Lime Sand, which has at least 75% acid neutralisation capacity and more than 80% of the material passing through a 500 micron (0.4mm) mesh.

Where the processed lime sand is contaminated with material greater than 4mm in size, the processed lime sand is to be rescreened. Where the processed lime sand fails to meet the testing requirements the Contractor shall reprocess the lime sand at its own cost.

### **5.6 No Guarantee**

The Principal makes no guarantee express or implied as to the quantity and quality of lime sand that may be processed at the Site.

### **5.7 Loading of Agricultural Lime Sand**

The Contractor is responsible for loading the agricultural lime sand and liaising directly with customers and/or their transport Contractor, to ensure lime sand out-loading bookings are adhered to in a timely manner.

The Contractor shall be responsible for the loading and management of transport vehicles during haulage periods as per RAV conditions contained in the Main Roads Restricted Access Vehicle Conditions. The use of Restricted Access Vehicle four (RAV 4) is permitted along Ocean beach road (with conditions) for the purpose of agricultural lime sand carting within the hours and times noted in Clause 5.2 of this Works Specification and as per Attachment F – Main Roads Restricted Access vehicle Conditions.

The Contractor is to report any known non-compliance by transportation Contractors of RAV conditions to the Superintendent.

The loading of agricultural lime sand is to be undertaken by a qualified operator and suitable machinery equipped with a **certified** calibrated loading scale capable of producing printed receipts (weighing system verified by licensed verifier approved by National

Measurement Instituted). Certification and calibration of system shall be provided to the Superintendent at the prestart meeting prior to each campaign.

The Contractor shall provide the following documentation for each load; -

- a) A copy of the loading scale receipt for each load
- b) Daily dockets for the Principal and Haulage contractor, the daily docket must have the purchasers receipt number and tonnage received.
- c) The original daily docket with the loading scale receipt attached to the Principal delivered at the close of business on a daily basis.
- d) A carbon copy of the daily docket with a copy of the load scale receipt attached for the haulage contractor.
- e) COVID19 sign-in sheets as per Clause 5.8 of this Work Specification.
- f) and any other relevant information required to administer and verify sales as may be required by the Principal's representative or Superintendent

It is the Contractors' responsibility to ensure that all agricultural lime sand that leaves the quarry is receipted and paid for in advance.

The Principal shall provide from Monday to Friday, on a daily basis, an updated spreadsheet with the individual sales paid for and tonnage order information. The Contractor will report any anomalies to the Superintendent.

#### **5.8 COVID19 requirements**

The Contractor shall ensure that all transport vehicle operators scan in using a QR code at the entry gate, and a register is kept by the Contractor for COVID19 tracking purposes.

The Principal will supply the QR Code for scanning prior to works starting on site, and sign-in sheets to be utilised by every person entering the site. The sign-in sheets are to be returned to the Superintendent with the daily dockets on a daily basis.

The Contractor is also to abide by the Protection of Information (Entry Registration Information Relating to COVID-19 and Other Infectious Diseases) Act 2021.

#### **5.9 Quarry Site security**

The Quarry Site Security shall be the responsibility of the Contractor. The Contractor shall ensure adequate security is maintained to protect against unauthorised entry to the Quarry Site to the extent practicable; protect the Contractors plant and machinery; and restrict unauthorised access to the lime sand material.

The Contractor shall provide their own padlock for the Quarry Gates. The Contractor is to ensure that the Principal's padlock and Telstra padlock must remain on the chain at the quarry gates. A daisy chain of padlocks is to be maintained. The Contractor cannot remove an existing padlock without the Principals consent. Padlocks will be removed (cut) by the Principal at the contractors expense if the contractor fails to comply with the security requirements.

#### **5.10 Specified Purpose**

The Contractor shall only use the Site for its Intended Purpose under this Contract.

#### **5.11 Quarry Site Feature Survey**

The Principal will be undertaking regular monitoring of the depth of excavation, excavated volume and stockpiles throughout the period of this Contract by conducting Feature Surveys.

The Quarry Site Feature Surveys will be conducted by a qualified Surveyor employed by the Principal at the times stipulated below:

- vi) Prior to the Contract start date before any works are undertaken by the Contractor, to determine the levels of the mine and any stockpiles pre-existing in the quarry;
- vii) At the end of each campaign, to determine the final levels excavated and quantity of materials.
- viii) At the end of the Contract.

## **6. SITE PROTECTION AND REHABILITATION.**

### **6.1 Clearing and Rehabilitation**

The contractor shall clear/mulch existing native vegetation for further expansion of the quarry as directed by the superintendent. All cleared vegetation to be mulched and stockpiled within the quarry for rehabilitation purposes. Topsoil shall be removed to a depth determined on site and stockpiled with the mulched vegetation. The location of the stockpiles shall be determined on site and agreed by both parties.

It is the Contractor's responsibility to ensure that no operations interfere with existing revegetated/rehabilitated areas, unless otherwise instructed by the Principal.

The Contractor shall be responsible for any repairs to existing rehabilitation of the Quarry Site affected by its operations.

Rehabilitation Works to be undertaken by the Contractor are to ensure quarry batters are constructed at 45° degrees with benching of 50 centimetres in width as per the Environmental Management Plan. The quarry floor is to be clean, level and tidy at the end of each campaign as per the Environmental Management Plan and/or as directed by the Superintendent.

The Contractor will be required to spread stockpiled topsoil onto the quarry batters from time to time as instructed by the Principals Superintendent. The Principal's Superintendent shall provide the Contractor written instructions prior to campaign works starting on site.

### **6.2 Roads and Improvements**

Any existing Quarry Access Road and Quarry Pit Roads are to be maintained and handed back to the Principal in as good a standard as they were accepted. An inspection of the Quarry Access Road and Quarry Pit Roads will be conducted prior to works starting on site, before the campaign starts, and after campaign works have ceased.

The Quarry Access Road and Quarry Internal Pit Roads need to align with the Mine Staging Plan and may require alteration from time to time to be compliant with Mine Safety Regulations.

The Contractor must delineate Quarry Pit Roads and use appropriate signage within the Quarry Pit. The Mine Staging Plan will guide the location of such Quarry Pit Roads and the Campaign Extraction Plan (Clause 5.3 of this Works Schedule) should include proposed Quarry Pit Roads

Should the Contractor propose to construct any improvements within the quarry pit they must firstly provide the Principal with full details of the proposed improvements and obtain the Principal's written consent (such consent shall be within the Principal's absolute discretion).

*Note: Telstra has a tower which is located within the Quarry Reserve and is accessed off the Quarry Access Road. The Contractor must grant entry to Telstra if they need to access their tower compound.*

The Contractor cannot access to the Telstra tower compound within the Quarry Reserve.

### **6.3 Contaminated Lime Sand**

Any lime sand that the Contractor has found to be contaminated by rubble, soil or other debris is to be stockpiled in an area within the Quarry to be determined by the Superintendent.

## **7. UTILITY SERVICES**

No services are supplied to the Site. The Contractor will be required to provide sanitary and all other staff and safety related facilities.

## **8. RIGHT OF ENTRY**

The Contractor shall provide access at all times to the Principal and its Representatives, agents, employees, consultants and Contractors to inspect the Lime Sand Quarry for the purposes of this Contract.

Telstra have a compound within the Lime Sand Quarry site which they must be able to access at all times.

## **9. PERSONNEL**

The Contractor must ensure that its personnel have relevant valid licences and training to operate any plant.

In the event that any personnel are found to not hold a valid licence to operate any plant the Principal may in its sole discretion remove that person from performing any duties under this Contract.

The Contractor shall be responsible for replacing any personnel in this regard.

Personnel performing the Works under this Contract shall wear suitable clothing and personal protective equipment meeting the following minimum requirements;

- a) Long sleeve shirt, long trousers or workers overalls.
- b) Steel toe-capped footwear.
- c) A high visibility garment/vest.
- d) Safety glasses (if airborne dust is apparent in the vicinity).
- e) Hard hat.
- f) Hearing Protection

First Aid kits should be provided by the Contractor to operators on site at their own cost. All necessary protective clothing/equipment shall be provided by the Contractor at no cost to the Principal.

## **10. PLANT AND EQUIPMENT**

The Contractor is responsible for the supply, mobilisation, demobilisation and maintenance of all plant and equipment for the purposes of extracting, crushing, screening and loading of lime sand at the Ocean Beach Lime Sand Quarry.

General plant and equipment required for this work can include, **but is not limited to the below:-**

- a) Front end loader (with weighting scales)
- b) Excavator
- c) Bull dozer

- d) Crusher (example only; Kleenman 130Z EVO.1)
- e) Radial Stacker

The Contractor must determine what plant and equipment they will require, and the quantity of plant and equipment they will require for this work prior to tendering.

Such plant and equipment must be kept on site until all agricultural lime sand orders have been completely outloaded or until the last date of the campaign period has expired.

The plant and equipment supplied for use under this Contract shall be in line with Department of Mines Industry Regulation and Safety Mines Safety and Inspection Regulations 1995 and kept in reliable working condition and fit for purpose.

All plant supplied under this Contract by the Contractor shall be in a serviceable condition and be free from defects and be supplied in a manner that the plant and equipment is able to be operated in a safe condition according to manufacturer's requirements.

The Contractor must provide Plant Hygiene Certificates to the Principal prior to works starting on site at the prestart meeting.

Any plant and equipment provided by the Contractor that is not in a serviceable condition and free from defects that the Principal, or a Department of Mines Industry Regulation and Safety Inspector, shall determine in its sole discretion, shall be replaced by the Contractor at its own cost.

#### **10.1 Breakdowns**

The Contractor shall at its own cost repair/replace plant and equipment provided to perform the Works of this contract. In the event a breakdown will affect the performance of this Contract either immediately or otherwise the Contractor shall replace that item of plant and equipment to ensure a continuation of the Works.

The Contractor shall:

- (a) Ensure all plant is fitted with appropriate roof mounted amber flashing lights and all required safety equipment.
- (b) Supply at their own expense all oil, grease, spare parts and anything necessary for the continuous and satisfactory operation of the plant;
- (c) Maintain all equipment in a safe and operational condition at all times in accordance with the manufacturers recommended service schedule.
- (d) Ensure that all plant is operated in a safe and competent manner in accordance with the Mines Safety and Inspection Regulations 1995 and Road Traffic ACT 1974 or as amended;
- (e) Ensure all plant meets the requirements of the Mines Safety and Inspection Regulations 1995 and Road Traffic Act 1974 (where applicable) or as amended;
- (f) Ensure all personnel shall hold any relevant valid licence and or certification to operate plant and equipment; and
- (g) Provide a means of communication on plant to enable the Principal to contact the Contractor; UHF Radios and one satellite phone or mobile phone whichever is operable at the work site.