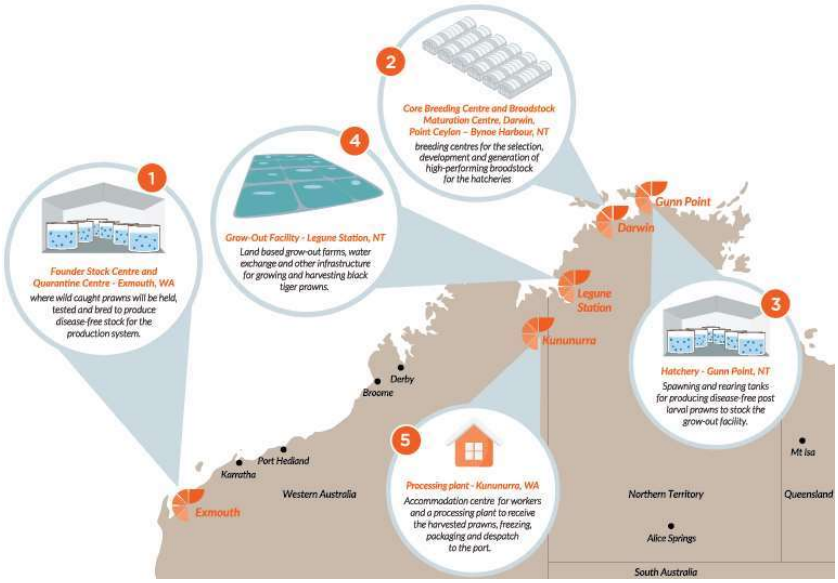
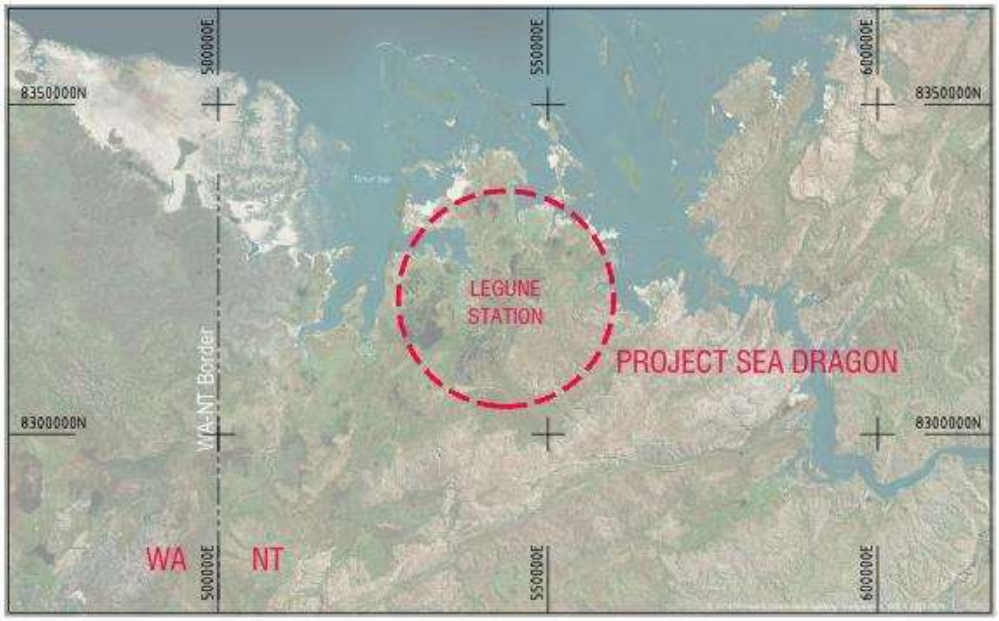
PROJECT SEA DRAGON – EXPRESSION OF INTEREST (EOI)

Package Title	**Farm 1 - Water and Waste Water Treatment Facilities**
Reference Number	**P014**
Project Overview	The proposed Project Sea Dragon (PSD) is a large-scale, integrated, land-based aquaculture project in northern Australia that will deliver year-round reliable volumes of premium quality prawns for domestic and export markets. PSD will be a staged development of up to 10,000 hectares of production ponds as well as a series of facilities across northern Australia including: • Founder Stock Centre and Quarantine Centre at Exmouth, WA; • Core Breeding Centre and Broodstock Maturation Centre, near Darwin, NT; • Hatchery to be built at Gunn Point, near Darwin, NT; • Grow-out Facility to be built at Legune Pastoral Lease, NT, approximately 110 km from the town of Kununurra, WA; and • Processing facility to be built approximately 15km north of Kununurra, WA.  Seafarms has all the necessary regulatory approvals in place to build Stage 1 of the development that consists of approximately 1,120 Ha of ponds and the associated upstream and downstream facilities. Seafarms proposes to develop Stage 1 in several steps with Stage 1a (S1a) being one farm at Legune of approximately 400 Ha, and the upstream and downstream facilities at Legune and other sites. Subject to further funding, the balance of Stage 1 is targeted to be complete within 3 years of commissioning S1a and that subsequent stages 2 and beyond to the full scale of approximately 10,000 hectares would continue to be delivered in line with overall schedule of work. Stage 1a of Project Sea Dragon has a total construction budget of approximately $281M excluding cost contingency and escalation. Organisations interested in responding to this request for expression of interest are encouraged to review Seafarms (ASX – SFG) Annual Report Presentation released on the ASX site 1st September 2021 and later announcements. The shortlisted respondents will be required to sign a Non-Disclosure Agreement (NDA) prior to receiving the Tender Documents.

Package Description

The location of these works is Legune Station, NT which is located approximately 110 km north-east of Kununurra, Western Australia, and approximately 40km inside the NT border.



LOCALITY PLAN

This package of work is for the design, fabrication, supply, and installation support of two treatment plants including all the necessary piping, pumps and infrastructure to fit up to the site infrastructure. These assets are to be situated in the Farm Services area of Legune Station Stage 1a and support the staff in the surrounding buildings during the operations phase of the project.

The successful tenderer will supply the Treatment Facilities, labour, equipment, testing, certification, consumables, and transport to deliver the items to site in accordance with all necessary laws, codes and standards. The tenderer may opt to construct the facilities themselves, or request that PSD organise an assembly Contractor on their behalf. In either case the successful tenderer will be required to monitor the installation to ensure it is performed in accordance with their written requirements. The successful tenderer will also be required to commission, and performance test their system. PSD will provide onsite accommodation, messing, and office space.

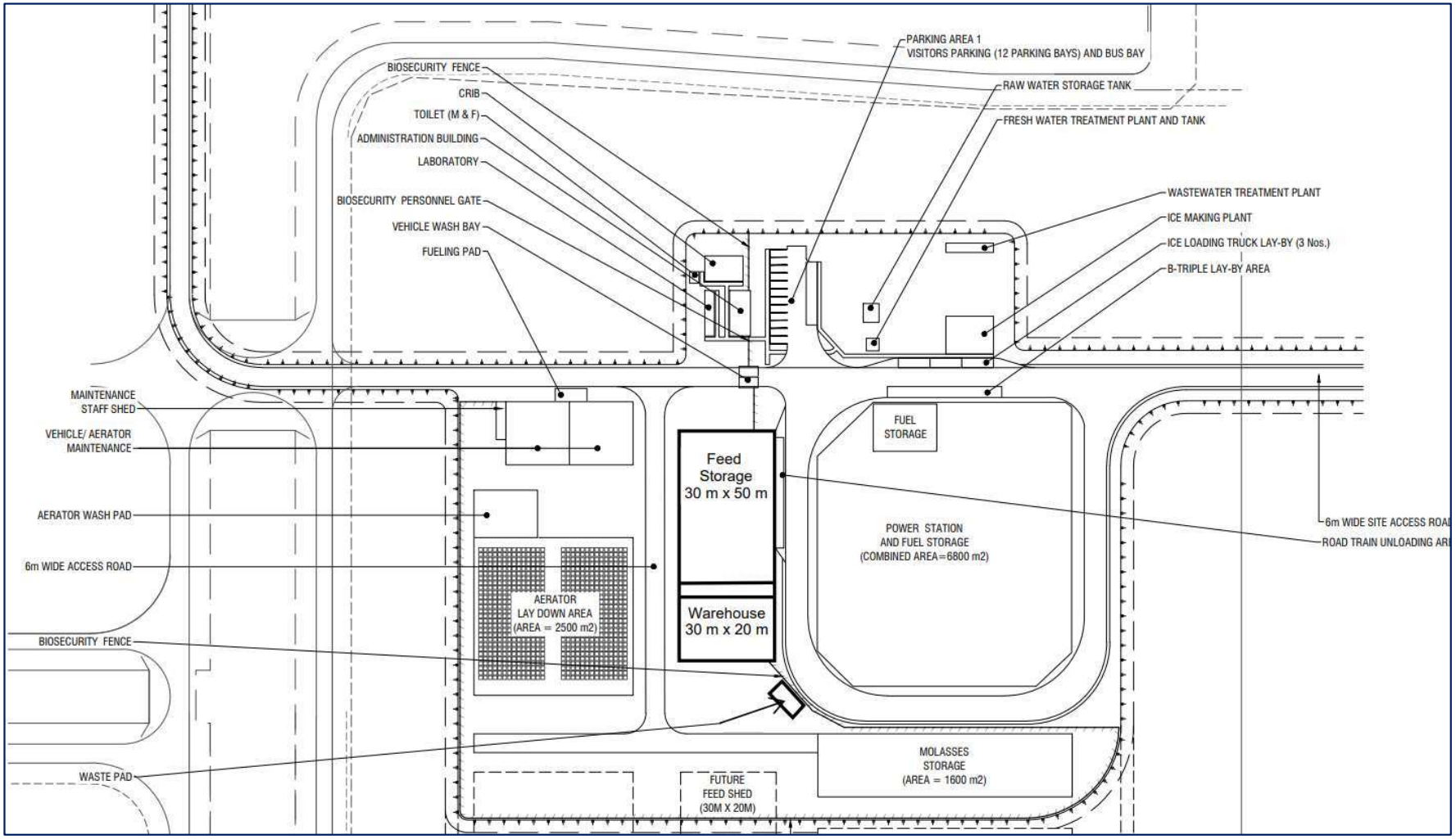
Specific parameters for the Treatment Facilities are subject to final design however the respondents must use the following requirements in providing a response.

Water Treatment Plant:

- Modular / containerised system, free standing, and cyclone proof (Wind Region C).
- Water supply will be either local bore water, filtered seawater from a nearby channel, or a combination of both. Seawater salinity range 10ppt to 42ppt.
- Seawater inlet temperature will range from 22 degrees to 36 degrees Celsius.
- The water produced by the plant shall be drinkable (potable) water in accordance with all relevant Australian engineering standards and health regulations. The processes to meet these requirements are at the supplier's discretion.
- The supplier will make allowance for all tanks, pumps, piping and approvals to manage the water from the plant inlet point to the discharge-side potable water storage tank. The landing of the unit, concrete pads and fit up to services may be performed by others.
- Exact water demand requirements will be supplied at tender stage, but it is estimated to be a maximum of 0.3ML/day. Units will be sized to support a peak demand 80 operational staff, two molasses mixing areas, plus general workshop and maintenance hosing.

	▪ Equipment is to have a remote monitoring system that allows for integration into a site-wide SCADA system including remote alarm notification and monitoring of the system's operating parameters. ▪ The system should be design to accommodate future expansion in the case of an increase in supply requirements. **Waste Water Treatment Plant:** ▪ Modular / containerised system, free standing, and cyclone proof (Wind Region C). ▪ Water for treatment is sewage and grey water from farm facilities buildings, ablutions, workshops, and washdown areas. ▪ If additional process water is required, it can be made available from a local bore, seawater from a nearby channel, or from the Water Treatment Plant. ▪ The water produced by the plant shall be in accordance with all relevant Australian engineering standards and health regulations. The chemical processes to meet these requirements are at the supplier's discretion. ▪ The supply scope will make allowance for all tanks, pumps, piping and approvals to manage the Waste Water flow from the plant inlet point through to the discharge side storage tank. ▪ The water from the system will be suitable for local grounds management through an aspirated sprinkler system or evaporated through a "turkey nest". The supplier should note that during the wet season there are large amounts of rain and the water used for local spraying will undergo overland flow. There may also be a fill station integrated into the tank system for the filling of dust suppression trucks. ▪ Processed water from the Waste Water Treatment Plant shall NOT be fed into the Water Treatment Plant. ▪ Units will be sized to support a peak of 80 operational staff during work hours (ie. administration staff, operations tradesmen in crib rooms, general hosing and workshop use etc.) Exact water demand requirements will be supplied at tender stage, but it is expected to be approximately 0.1ML/day. ▪ Equipment is to have a remote monitoring system that allows for integration into a site-wide SCADA system including remote alarm notification and monitoring of the system's operating parameters. Road access to the site and therefore delivery may be restricted, and or closed due to conditions associated with the northern Australian wet season. In accordance with PSD's commitments to building local and Indigenous capacity in the region, the EOI evaluation will include a weighting for utilising local and regional businesses in the Northern Territory and the Kimberly region of Western Australia. Respondents to the EOI will be assessed and short listed, with short listed respondents to be invited to tender. PSD reserve the right to combine this package and or parts of this package with any other project package.
Key Information to be provided with the Respondent's EOI	**Safety** The shortlisted respondents will be required to include a Covid-19 Management Plan within their tender submission that will form part of the Contractor's WHS Management Plan. **Accreditations** The respondent shall have, or be able to attain prior to contract award, all required accreditations, as well as registrations needed to successfully deliver this work package. The respondent shall provide a copy of their Quality Management system and records of previous project performance to support their capability to delivery this work package.

	Reference Projects Provide project data sheets for 3 reference projects. The reference projects should be of similar size, complexity, and location. The data sheets shall include: ▪ Project Name; ▪ General Project Description; ▪ Client Name and Reference Contact; ▪ Approximate Project Value; ▪ Actual Start Date; ▪ Actual Finish Date and any variations to the schedule and reasons for variations; and ▪ WHS Notifiable Incident(s)? If yes, then explain in detail as to the incident, investigation and recommendations. The respondent should highlight the following: ▪ Experience working on remote construction projects; and ▪ Experience in delivering similar projects during Northern Australia's wet season, including access issues to/from and within the project site. The above should be evidenced by providing references from past clients with their current contact details. Each project data sheet shall be no more than two A4 pages (including photos).
Reference Documents	The following indicative sketches are attached herein for EOI purposes: ▪ Farm Services Area (Concept) – Plan View
Key Milestones	Target date for issuing Invitations to Tender (ITT) is **22 November 2021** Target Contract Award Date is **3 January 2022** Target Plant Delivery Completion Date is **15 September 2022** Target Date for Practical Completion is **20 February 2023**
Expression of Interest (EOI)	Interested parties with the requisite experience are invited to express an interest in this work package by registering and lodging their expression of interest, complete with all key information stipulated in this document, for this work package on the NT ICN Gateway online platform prior to the closing date stated below. projectseadragon.icn.org.au Please ensure your ICN company profile is up to date before registering your expression of interest.
EOI Closing Date	5:00 pm (1700h) on **8 November 2021** Darwin time (ACST)
Contact	ICN NT Resources Team +61 8 8922 9422 resources@icnnt.org.au
Project website	www.seafarms.com.au
Disclaimer	This package description and target award date is indicative only and subject to change. It is intended to provide only a brief outline of certain works that may be required for the proposed Project Sea Dragon and should be read in conjunction with Project Sea Dragon project description on ICN Gateway.



Farm Services Area (Concept) - Plan View