

APPENDIX A2-7

Construction Equipment onsite

Shannon LNG Limited
August 2021

Shannon Technology and Energy Park
Environmental Impact Assessment Report

Appendix A2-7 - Construction Equipment onsite

Details of the proposed construction programme and equipment have been provided by Sisk Ltd. The construction programme is anticipated to take 32 months, as detailed in Section 2.9.1 of Chapter 2 – Project Description.

Two 'peak' periods are anticipated to occur:

- 'Peak 1' around when site clearance, enabling works, piling and heavy civil engineering operations related to the onshore terminal facilities are expected to occur concurrently; and
- 'Peak 2' when civil, structural, architectural, mechanical and electrical works are to be carried out.

These peaks represent the highest level of activity associated with construction. Activity at all other times will be lower.

The data presented below represents the highest level of construction activity in all construction phasing scenarios.

The Peak 1 construction plant is listed in two tables as some plant would operate within the access road, Power Plant and LNG Terminal footprint and some plant would operate around the jetty area.

Table A2-7.1 Peak 1 Plant and Associated Equipment – Main Construction and Access Road

Plant Item	No.
Tracked excavator with breaker	2
Tracked excavator	2
Tracked excavator with breaker	5
Semi mobile crusher	1
Dump trucks	8
Dozer	2
Dozer	1
Rollers	2
Loading shovel	1
Road grader (and tipper)	1
Teleporter (diesel)	1
Track machine	1
Mobile crane	1
Site dumper	1
Fuel tanker	1
Concrete truck	1
Poker vibrator	1
MEWP - Boom (diesel)	1
Con saw	2
Generator (diesel)	1
Generator (diesel)	3

Plant Item	No.
Water pump	1
Track machine with breaker	1
Kango hammer	2
Roller	1
Whacker plate	1
Skilsaw	2
Drills	4

Table A2-7.2 Peak 1 Plant – Jetty and Jetty Access

Plant Item	No.
Tug boat	2
Jack up barge	1
Transport barge	2
Piling rig	1
Drilling rig	1
Tracked cranes	4
Compressors	4

Table A2-7.3 Peak 2 Plant

Plant Item	No.
Teleporter diesel	6
Teleporter 360	2
Consaws	6
Poker vibrators	6
Skilsaws	6
Concrete trucks	10
Concrete pumps	2
Tracked excavator	4
Tracked excavator	2
Tracked excavator	4
Tracked excavator	2
Site dumpers	6
Mobile crane	6
MEWP booms	16
MEWP scissor lifts (diesel)	8

Plant Item	No.
Kango hammers	6
Impact guns	6
Generator diesel	6
Water pumps	2
Hilti nail guns	4