

Shannon Technology and Energy Park (STEP) Power Plant

Appendix A2.6: Construction Equipment Onsite

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Details of the proposed construction programme and equipment have been provided by Sisk Ltd. The construction programme is anticipated to take nine years and three months, as detailed in Section 2.7.1 of Chapter 02 (Description of the Proposed Development), Volume 2 of the EIAR.

Two 'peak' periods are anticipated to occur:

- 'Peak 1' around when site clearance, enabling works, piling and heavy civil engineering operations related to the Power Plant are expected to occur concurrently; and
- 'Peak 2' when CSA, 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 and Power Plant.

Table A2.6.1: 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
Water pump	1
Track machine with breaker	1
Kango hammer	2
Roller	1
Whacker plate	1

Plant Item	No.
Skilsaw	2
Drills	4

Table A2-6.2: 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
Kango hammers	6
Impact guns	6
Generator diesel	6
Water pumps	2
Hilti nail guns	4