

Appendix 8.3 Construction Plant Assumed

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Construction plant used in model

Site Establishment	Result PWL DAY (dBA)
2 x tracked excavator – 14T – on-time 100%	97.5
6 x Dump trucks – 25T – on-time 100%	107
Mobile 100T crane – 50T – 10%	99.1
Site Roads	
2 x tracked excavator – 14T – on-time 100%	97.5
6 x Dump trucks – 25T – on-time 100%	107
1 Wide Track Excavator 12t 100% (Drainage)	101.5
Borrow Pits	
1 x Breaker	123.4
1 x Crusher	124.4
Turbine Hardstands	
2 x tracked excavator – 25T – on-time 100%	105.5
4 x Dump trucks – 25T – on-time 100%	107
Foundations	
1 x tracked excavator – 25T – on-time 100%	105.5
2 x Dump trucks – 25T – on-time 100%	107
10 x Concrete wagons – on-time 40%	107
Peat Restoration	
2 x Wide Track excavator – 12T – on-time 100%	101.5
10 x Road Wagons – on-time 100%	108.1
Internal Collector System	
2 x Track excavator – 12T – on-time 100%	101.5
2 x Road Wagons – on-time 100%	108.1
WTG Delivery	
2 x 200T Mobile Cranes on-time 100%	99.1
3x articulate lorry on-time 10%	108.1
WTG Install	
1 x 200T Mobile Cranes on-time 100%	99.1
1 x 1200T Mobile Cranes on-time 100%	98.6
1 x telehandler on-time 100%	98.5
Substation Construction	
2 x tracked excavator – 20T – on-time 20%	99.3
6 x Dump trucks – 25T – on-time 20%	107
Mobile 100T crane – 50T – 10%	99.1
1 x telehandler on-time 80%	98.5
Various Material delivery wagons (6 modelled)	18.1

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