

Annex 2 Excavated Materials Calculator

Excavated Soils Calculations

Reuse Calculations

Infrastructure	Length (m)	Width (m)	Number	Area (m2)	Average Peat Depth (m)	Total Volume Excavated (m3)	Length (m)	Width (m)	Area (m2)	Average Depth (m)	Number	Total Re-use Volume (m3)	Notes
Excavated Track	2550.00	6.00	1	15300.00	0.23	3519.00	2550.00	2.00	5100.00	0.50	2	5100.00	Assumes verge restoration (on both sides of track) at an average width of 2m and 0.5m height
Track to be Upgraded	650.00	2.00	1	1300.00	0.36	461.50	650.00	2.00	1300.00	0.50	2	1300.00	Assumes verge restoration (on both sides of track) at an average width of 2m and 0.5m height
Turbine Bases (Formation Only)	28.00	28.00	4	3136.00	0.37	1152.48	56.00	2.00	112.00	0.50	4	224.00	Assumes restoration along 2 sides (28m x 2) of the turbine bases, with the remaining sides comprising hardstand.
Hardstandings - Permanent	50.00	20.00	4	4000.00	0.32	1280.00	90.00	2.00	180.00	0.50	4	360.00	Assumes restoration along 3 sides (50m + 20m + 20m) of the hardstanding.
Hardstandings - Temporary			4	23020.00	0.32	7366.40			23020.00	0.32	1	7366.40	Given temporary nature of blade laydown and ancillary areas, would be reinstated following construction.
Substation	25.00	50.00	1	1250.00	0.20	250.00	100.00	2.00	200.00	0.50	1	100.00	Assumes restoration along 3 sides (50m + 25m + 25m) of the substation edges.
Borrow Pit	130.00	120.00	1	15600.00	0.10	1560.00	130.00	120.00	15600.00	0.10	1	1560.00	Borrow pit design and dimensions to be confirmed following ground investigation, maximum possible dimensions of search area included here - unlikely to extend this far. Soils would likely be used to create reinstatement profile.
Construction Compound W	50.00	50.00	1	2500.00	0.16	400.00	50.00	50.00	2500.00	0.16	1	400.00	Given temporary nature of construction compounds, would be reinstated following construction.
Construction Compound E	25.00	50.00	1	1250.00	0.30	375.00	25.00	50.00	1250.00	0.30	1	375.00	Given temporary nature of construction compounds, would be reinstated following construction.

Total Excavated Volume (m3)	16364.38
Total Re-use Volume (m3)	16785.40
Net Balance (m3)	-421.02