

## **APPENDIX 8D: NOISE ASSESSMENT CONSTRUCTION ACTIVITIES**

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8D.1.1 The assumed construction activities and plant are given in Table 8D.1, along with corresponding noise data.

**Table 8D.1: Construction plant details**

ACTIVITY	PLANT	LWA	ACTIVITY ON-TIME (%)	REFERENCE
Site Clearance	Chainsaw	114	10	BS 5228 Table D.2 no 14
	Excavator	105	50	BS 5228 Table C.2 no 2
	Loading lorries	106	20	BS 5228 Table C.2 nos. 26-28
Earthworks	Excavator	105	50	BS 5228 Table C.2 no 2
	Dumper	102	50	BS 5228 Table C.2 no 32
	Loading lorries	106	20	BS 5228 Table C.2 no.s 26-28
Drop Hammer Piling	Drop Hammer Piling Rig	122	50	BS 5228 Table C.12 average no.s 11, 13-25
	Service crane	97	50	BS 5228 Table C.3 ave no.s 28-29
	Cement mixer truck	106	50	BS 5228 Table C.4 no 32
CFA Piling	CFA piling rig	108	50	BS 5228 Table C.3 average no.s 21-22
	Service crane	97	50	BS 5228 Table C.3 average no.s 28-29
	Cement mixer truck	106	50	BS 5228 Table C.4 no 32
Foundations	Excavator	102	75	BS 5228 Table C.2 ave 14-25
	Lorry mounted concrete pump	107	50	BS 5228 Table C.2 ave 26-28
	Lorry mounted concrete pump	105	50	BS 5228 Table D.7 ave 121-122
	Cement mixer truck	106	50	BS 5228 Table C.4 no 32

ACTIVITY	PLANT	LWA	ACTIVITY ON-TIME (%)	REFERENCE
	Poker vibrator	97	75	BS 5228 Table C.4 no 34
Slab Construction	Lorry mounted concrete pump	107	50	BS 5228 Table C.2 ave 26-28
	Lorry mounted concrete pump	105	50	BS 5228 Table D.7 ave 121-122
	Cement mixer truck	106	50	BS 5228 Table C.4 no 32
	Poker vibrator	97	75	BS 5228 Table C.4 no 34
Building Construction	Tower crane	105	50	BS 5228 Table C.4 ave 48-49
	Generator	94	100	BS 5228 Table C.4 ave 76-84
	Electric drills	104	50	BS 5228 Table D.6 no 54
	Lorry mounted concrete pump	105	25	BS 5228 Table D.7 ave 121-122
	Cement mixer truck	106	50	BS 5228 Table C.4 no 32
	Poker vibrator	97	75	BS 5228 Table C.4 no 34
Finishing and Fitting	Generator	94	100	BS 5228 Table C.4 ave 76-84
	Electric drills	104	50	BS 5228 Table D.6 no 54
	Asphalt spreader	104	75	BS 5228 Table C.5 ave 30-31
	Welding plant	102	50	BS 5228 Table C.3 no 31
Access Roads and Car Parks	Excavator	102	75	BS 5228 Table C.2 ave 14-25
	Dumper	109	50	BS 5228 Table C.5 no 16
	Asphalt spreader	104	75	BS 5228 Table C.5 ave 30-31
	Road roller	103	75	BS 5228 Table C.5 ave 25-28