

Predicted Noise level at Noise Receptor in the range of distance of 100 meter

Activity	Source	ID	Typical Peak Sound Level in Work Cycle (Lm)	Typical Minimum Sound Level in Work Cycle (Lb)	Lm-Lb	Fraction of time spent at peak in work Cycle (Ta/T)	Equivalency Factor (E.f)	Noise level emissions Leq (h)=E.L =Lj+EF	Distance from Equipment to Observer (D)	Usage Factor (UF)	Equipment Leq(h) at Receptor (dbA) Leq (h)	Leq(h) Site at Receptor db(A)
Clearing,earth work, foundation, piling, etc.	Concrete Batching Plant	-	83	83	0	1	0	83	100	0.5	64	78
	Concrete Pump Mobile	-	82	82	0	1	0	82	100	0.4	62	
	Concrete Static Pump	-	82	82	0	1	0	82	100	0.5	63	
	Transit Mixture	-	85	85	0	1	0	85	100	0.4	65	
	Loader	-	85	85	0	1	0	85	100	0.4	65	
	Grader	-	85	85	0	1	0	85	100	0.6	66	
	Excavator (Tyre)	-	85	85	0	1	0	85	100	0.5	66	
	Excavator (Chain)	-	85	85	0	1	0	85	100	0.5	66	
	Dumper	-	80	80	0	1	0	80	100	0.5	61	
	Mobile Crain	-	85	85	0	1	0	85	100	0.3	63	
	Truck Crain	-	85	85	0	1	0	85	100	0.2	62	
	Plate Compactor	-	80	80	0	1	0	80	100	0.5	61	
	Mini Roller (MRL)	-	85	85	0	1	0	85	100	0.2	62	
	Mini Truck	-	55	55	0	1	0	55	100	0.5	36	
	Tractor	-	84	84	0	1	0	84	100	0.5	65	
	Tractor Troller	-	84	84	0	1	0	84	100	0.3	62	
	Tractor Trolley-J	-	84	84	0	1	0	84	100	0.5	65	
	Air Compressor (Diesel & Electrical)	-	80	80	0	1	0	80	100	0.5	61	
	Electric Vibrator / Petrol	-	85	85	0	1	0	85	100	0.3	63	
	Steel Cutting Machine	-	85	85	0	1	0	85	100	0.5	66	
	Steel Bending Machine	-	80	80	0	1	0	80	100	0.6	61	
	Water Bowzer	-	80	80	0	1	0	80	100	0.2	57	
	Fuel Pump	-	82	82	0	1	0	82	100	0.6	63	
	Power Generator	-	82	82	0	1	0	82	100	0.6	63	
	Welding plant (Diesel)	-	72	72	0	1	0	72	100	0.6	53	
Dewatering Pump (Diesel)	-	77	77	0	1	0	77	100	0.5	58		
Dewatering Pump (Petrol)	-	77	77	0	1	0	77	100	0.5	58		
Trailer	-	84	84	0	1	0	84	100	0.7	66		