

Appendix F – Data Tables on Construction Method (Section 28 of CMP)

The construction phases used in the noise assessment are presented below.

Phase	Dates	Work
Phase 1	August 2024 - March 2025	Enabling Works
Phase 2	May 2025 - August 2025	SWEC P1 - Sub Structure
Phase 3	August 2025 - June 2026	SWEC P1 -Super Structure and Envelope
Phase 4	December 2025 - February 2026	SWEC P1 - Fit Out
Phase 5	February 2027 - May 2027	SWBH De-construct
Phase 6	May 2027 - July 2027	SWEC P2 - Sub Structure
Phase 7	July 2027 - October 2027	SWEC P2 - Super Structure and Envelope
Phase 8	October 2027 - September 2028	SWEC P2 - Fit Out
Phase 9	July 2025 - September 2025	SE ISS Sub Structure
Phase 10	September 2025 - December 2025	SE ISS Super Structure and Envelope
Phase 11	November 2025 - June 2026	SE ISS Fit Out
Phase 12	September 2027 - July 2028	Infrastructure Phase 1
Phase 13	September 2027 - July 2028	Infrastructure Phase 2

The construction noise sources including broadband sound power level (dB Lw) and % on time (in a typical 10-hour working day) are presented below.

Source	Sound Power Level (dB Lw)	% On time
Mobile Crane	95	2%
MEWPs	95	40%
Hydraulic Breakers / Cutters	121	10%
Electric / Petrol Diamond Cutter - Concrete / Brickwork	107	10%
Electric Coring Rig - Concrete / Brickwork	113	10%
Electric Torque Wrench - Scaffold / Steel Frame	101	20%
Small Hand Tools - Drills etc	101	20%
Excavators w Bucket / Breaker / Crusher Attachments	100	10%
Dump Truck	107	10%
Air / Hydraulic Compressors	93	20%
Articulated Lorry	108	10%
Flat Bed / Box Lorry	110	40%
Grab / Tipper / Skip Lorry	105	20%
Other. Low Loader for Plant Delivery	110	2%
Wacker Plate Soil Compactor	108	2%
Concrete / Screed / Mortar Truck	95	20%
Other. Concrete Pump	107	20%
Concrete Poker	97	20%
Tower Crane	104	40%
Mini Fork Lift	106	60%
Hoist	96	40%
Shot / Gas Fired Fixings - Fixing to Frame	101	10%
Tarmac Roller	103	10%

The construction sources used in each phase are presented in the tables below.

Phase	Sources used
1	Mobile Crane
	MEWPs
	Hydraulic Breakers / Cutters
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Electric Coring Rig - Concrete / Brickwork
	Electric Torque Wrench - Scaffold / Steel Frame
	Small Hand Tools - Drills etc
	Excavators w Bucket / Breaker / Crusher Attachments
	Dump Truck
	Air / Hydraulic Compressors
	Articulated Lorry
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
	Other. Low Loader for Plant Delivery
	Mobile Crane

Phase	Sources used
2	Tower Crane
	Mobile Crane
	Mini Fork Lift
	Hydraulic Breakers / Cutters
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Electric Coring Rig - Concrete / Brickwork
	Small Hand Tools - Drills etc
	Concrete Poker
	Wacker Plate Soil Compactor
	Excavators w Bucket / Breaker / Crusher Attachments
	Dump Truck
	Air / Hydraulic Compressors
	Concrete / Screed / Mortar Truck
	Articulated Lorry
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
	Other. Low Loader for Plant Delivery
Other. Concrete Pump	

Phase	Sources used
3	Tower Crane
	Hoist
	Mini Fork Lift
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Shot / Gas Fired Fixings - Fixing to Frame
	Electric Torque Wrench - Scaffold / Steel Frame
	Small Hand Tools - Drills etc
	Concrete Poker
	Air / Hydraulic Compressors
	Concrete / Screed / Mortar Truck
	Articulated Lorry
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
Other. Concrete Pump	

Phase	Sources used
4	Tower Crane
	Mini Fork Lift
	Shot / Gas Fired Fixings - Fixing to Frame
	Small Hand Tools - Drills etc
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry

Phase	Sources used
5	Tower Crane
	Mini Fork Lift
	Hydraulic Breakers / Cutters
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Electric Coring Rig - Concrete / Brickwork
	Excavators w Bucket / Breaker / Crusher Attachments
	Dump Truck
	Air / Hydraulic Compressors
	Grab / Tipper / Skip Lorry
	Other. Low Loader for Plant Delivery

Phase	Sources used
6	Tower Crane
	Mini Fork Lift
	Hydraulic Breakers / Cutters
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Electric Coring Rig - Concrete / Brickwork
	Small Hand Tools - Drills etc
	Concrete Poker
	Wacker Plate Soil Compactor
	Excavators w Bucket / Breaker / Crusher Attachments
	Dump Truck
	Air / Hydraulic Compressors
	Concrete / Screed / Mortar Truck
	Articulated Lorry
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
	Other. Low Loader for Plant Delivery
Other. Concrete Pump	

Phase	Sources used
7	Tower Crane
	Hoist
	Mini Fork Lift
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Shot / Gas Fired Fixings - Fixing to Frame
	Electric Torque Wrench - Scaffold / Steel Frame
	Small Hand Tools - Drills etc
	Concrete Poker
	Air / Hydraulic Compressors
	Concrete / Screed / Mortar Truck
	Articulated Lorry
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
	Other. Concrete Pump

Phase	Sources used
8	Tower Crane
	Mobile Crane
	Mini Fork Lift
	Shot / Gas Fired Fixings - Fixing to Frame
	Small Hand Tools - Drills etc
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry

Phase	Sources used
9	Mini Fork Lift
	Hydraulic Breakers / Cutters
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Electric Coring Rig - Concrete / Brickwork
	Small Hand Tools - Drills etc
	Concrete Poker
	Wacker Plate Soil Compactor
	Excavators w Bucket / Breaker / Crusher Attachments
	Dump Truck
	Air / Hydraulic Compressors
	Concrete / Screed / Mortar Truck
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
	Other. Low Loader for Plant Delivery
	Other. Concrete Pump

Phase	Sources used
10	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Shot / Gas Fired Fixings - Fixing to Frame
	Electric Torque Wrench - Scaffold / Steel Frame
	Small Hand Tools - Drills etc
	Concrete Poker
	Air / Hydraulic Compressors
	Concrete / Screed / Mortar Truck
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
Other. Concrete Pump	

Phase	Sources used
11	Mini Fork Lift
	Shot / Gas Fired Fixings - Fixing to Frame
	Small Hand Tools - Drills etc
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry

Phase	Sources used
12	MEWPs
	Mini Fork Lift
	Hydraulic Breakers / Cutters
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Electric Coring Rig - Concrete / Brickwork
	Small Hand Tools - Drills etc
	Concrete Poker
	Excavators w Bucket / Breaker / Crusher Attachments
	Dump Truck
	Air / Hydraulic Compressors
	Tarmac Roller
	Concrete / Screed / Mortar Truck
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
Other. Concrete Pump	

Phase	Sources used
13	MEWPs
	Mini Fork Lift
	Hydraulic Breakers / Cutters
	Electric / Petrol Diamond Cutter - Concrete / Brickwork
	Electric Coring Rig - Concrete / Brickwork
	Small Hand Tools - Drills etc
	Concrete Poker
	Excavators w Bucket / Breaker / Crusher Attachments
	Dump Truck
	Air / Hydraulic Compressors
	Tarmac Roller
	Concrete / Screed / Mortar Truck
	Flat Bed / Box Lorry
	Grab / Tipper / Skip Lorry
Other. Concrete Pump	