

## **APPENDIX B**

### **CALCULATION OF CONSTRUCTION NOISE IMPACT**

Table B1.1 Calculation of Sound Power Level for the Construction Works of Realigned Pipeline - DP portion

Equipment	No. of equipment	Utilisation rate	CNP	Referenced SWL, dB(A)	Corr. for no. of equipment	Corr. for use	SWL after corr.
Excavator	2	80%	BS C8-15	103	3	-1	105.0
Crane lorry	1	50%	BS C7-101	94	0	-3	91.0
Dump truck	1	20%	BS C9-39	103	0	-7	96.0
Power generator	1	100%	CNP 103	100	0	0	100.0
Pump	2	100%	CNP 283	85	3	0	88.0
Compactor	1	100%	CNP 050	105	0	0	105.0
Overall SWL							109.0

Table B1.2 Calculation of Predicted Construction Noise Level at the NSR due to DP portion of Realigned Pipeline construction works

Distance (m)	Dist. Corr., dB(A)	Façade Corr, dB(A)	Overall Leq, dB(A)	Standard, Leq, dB(A)	Sensitive Uses
180	-53.1	3	59	75	Residential