

Appendix 4-7G
Cumulative Noise Levels Due to Industrial Noise
Sources and Petrol Filling Station

Appendix 4-7G Cumulative Noise Levels Due to Industrial Noise Sources and Operation of Petrol Filling Station

Operational noise due to petrol filling station has been assessed in Section 4.7.3.4 of the report and the results (both day-time and night-time) are presented in Appendices 4-7E, 4-7F, and Figure 4-4C. While, operational noise due to the fixed noise sources to the east of the Project Site (i.e. open storage site and the godown in the east) has been assessed in Section 4.7.3.2.

Representative NSRs (i.e. N-ind9, N-ind2, and N-ind2A) that are worst affected by both the petrol stilling station and the fixed noise sources, have also been selected for cumulative noise assessment. Other NSRs (i.e. N-ind1, N-ind3, N-ind3A, N-ind5 to N-ind13) either do not have a direct line of sight to both of the noise sources or are far away from the noise sources outside the 300m study radius, thus they are not selected for cumulative noise assessment.

To be conservative, the sensitivity test results presented in Section 4.7.3.2 and Appendices 4-7B and 4-7C for industrial noise sources and that presented for petrol filling station in Appendices 4-7E and 4-7F, have been adopted for the cumulative noise assessment in order to represent the worst case scenario.

Cumulative Noise Level (Day-Time) Due to Operation of the Petrol Filling Station and the Identified Industrial Noise Source

NSR ID	Noise Level Due to Industrial Noise Sources, dB(A) *	Noise Level Due to Petrol Filling Station, dB(A) **	Cumulative Noise Level, dB(A)	Noise Criteria, dB(A)
	A	B	A+B	
Nind-9	52	38	52	55
Nind-2	53	34	53	55
N-ind2A	52	36	52	55

Remark:

- * Estimated noise level due to the identified industrial noise sources as presented in **Appendix 4-7B** of the EIA Report.
- ** Estimated noise level due to operation of the petrol filling station as presented in **Appendix 4-7E** of the EIA Report.

Cumulative Noise Level (Night-Time) Due to Operation of the Petrol Filling Station and the Identified Fixed Noise Source

NSR ID	Noise Level Due to Industrial Noise Sources, dB(A) *	Noise Level Due to Petrol Filling Station, dB(A) **	Cumulative Noise Level, dB(A)	Noise Criteria, dB(A)
	A	B	A+B	
Nind-9	42	33	43	45
Nind-2	43	29	33	45
N-ind2A	42	31	42	45

Remark:

- * Estimated noise level due to the identified industrial noise sources as presented in **Appendix 4-7C** of the EIA Report.
- ** Estimated noise level due to operation of the petrol filling station as presented in **Appendix 4-7F** of the EIA Report.

Based on the above results, the estimated cumulative noise levels can comply with the relevant noise criteria and no unacceptable noise impact is anticipated.