

**IN THE ENVIRONMENT COURT
AT CHRISTCHURCH
I TE KŌTI TAIAO O AOTEAROA
KI ŌTAUTAHĪ**

Decision No. [2026] NZEnvC 273

IN THE MATTER of the Resource Management Act 1991

AND appeals under clause 14 of the First
Schedule of the Act

BETWEEN TĀIKO CRITICAL MINERALS
LIMITED

(ENV-2025-CHC-108)

and others listed in Appendix A

Appellants

AND TE TAI O POUTINI PLAN
COMMITTEE

Respondent

Environment Judge K G Reid – sitting alone under s279 of the Act

In Chambers at Christchurch

Date of Consent Order: 14 October 2026

CONSENT ORDER

A: Under s279(1)(b) of the RMA,¹ the Environment Court, by consent, orders
that:

¹ Resource Management Act 1991.



- (1) the appeals are allowed to the extent that the changes shown in Appendix B are made to the Te Tai o Poutini Plan;
- (2) Topic 21: Noise remains open; and
- (3) the appeals remain open.

B: Under s285 of the RMA, there is no order as to costs.

REASONS

Introduction

[1] These proceedings concern appeals by Tāiko Critical Minerals Limited (Tāiko), WMS Group (HQ) Limited (WMS), Bathurst Resources Limited and BT Mining Limited (Bathurst), KiwiRail Holdings Limited (KiwiRail), Gordon Bradley, Grey District Council, Buller District Council, Westpower Limited (Westpower), and Te Rūnanga o Ngāti Waewae, Te Rūnanga o Makaawhio and Te Rūnanga o Ngāi Tahu, against the decision of the Te Tai o Poutini Plan Committee on the Te Tai o Poutini Plan (TTPP).

Agreement reached

[2] I have read and considered the consent memorandum of the parties dated 17 September 2026 which proposes to resolve the following provisions of the TTPP that are subject to appeal:

- (a) NOISE – P1;
- (b) NOISE – P2;
- (c) NOISE – P4;
- (d) NOISE – R2;
- (e) NOISE – R3; and
- (f) NOISE – APP1.

NOISE – P1

[3] Westpower sought that two additional subparagraphs be added to NOISE – P1 as f. and g.:

- (a) “f. The technical, locational, functional or operational constraints and/or requirements of the activity.”
- (b) “g. Benefits from the work being undertaken and energy activities and infrastructure developed.”

[4] The parties agree to the addition of g. as sought by Westpower and agree to different wording for f. to maintain consistent terminology throughout the TTPP as follows: “The functional need or operational need of the activity”.

NOISE – P2

[5] Buller District Council sought amendment to NOISE – R2 to recognise existing lawful activities.

[6] The parties agree to amend NOISE – P2 to add the following statement into paragraph b. “... including existing lawfully established activities”.

NOISE – P4

[7] Westpower sought that two additional subparagraphs be added to NOISE – P4 as f. and g.:

- (a) “f. The technical, locational, functional or operational constraints and/or requirements of the activity.”
- (b) “g. Benefits from the work being undertaken and energy activities and infrastructure developed.”

[8] The parties agree to the addition of g. as sought by Westpower. The parties

also agree to add “need” after operational in f.

NOISE – R2

[9] Bathurst, Tāiko and WMS sought amendments to NOISE – R2.

[10] Bathurst sought amendment to NOISE – R2(8) to explicitly include shunting operations at railway yards and sidings with the exemption from zone noise standards.

[11] Tāiko and WMS separately sought that the wording NOISE – R2 be retained as notified, incorporating the changes in their respective original submissions. Tāiko also sought that the reference to “rural production” be replaced with “primary production”.

[12] The parties agree to the following changes to NOISE – R2:

- (a) insert “vehicles being driven” into (7);
- (b) insert “and including shunting operations at these locations” into (8);
and
- (c) changing the reference in (11) from rural production to primary production.

[13] Federated Farmers also has an appeal point seeking consistent use of the defined term “agricultural, pastoral and horticultural activities”, including to replace “rural production” activities in (11) in NOISE – R2. They have agreed, however, that use of the defined term “primary production activities” is more appropriate in the context of (11) in NOISE – R2, as this part of the rule is intended to apply to the broader range of activities captured by this defined term. Federated Farmers’ appeal point seeking consistent use of the defined term “agricultural, pastoral and horticultural activities” is withdrawn in so far as it relates to NOISE – R2.

NOISE – R3

[14] Buller District Council, Grey District Council, Te Rūnanga o Ngāti Waewae, Te Rūnanga o Makaawhio and Te Rūnanga o Ngāi Tahu, and KiwiRail sought amendments to NOISE – R3.

[15] Buller District Council sought amendments to the heading of NOISE – R3, NOISE – R3(1)(iii) and NOISE – R3(2) and (3) to remove reference to “altered” buildings, rooms or spaces for sleeping. Buller District Council also sought change to NOISE – R3(2) and (3) to reduce the rail noise buffer and the rail vibration buffer, as well as an exclusion for the Westport Port Branch line.

[16] Grey District Council sought similar amendments to Buller District Council in relation to the removal of “altered” and reduction of the noise control boundary.

[17] Te Rūnanga o Ngāti Waewae, Te Rūnanga o Makaawhio and Te Rūnanga o Ngāi Tahu sought the deletion of requirements for certain standards to apply to space used for sleeping.

[18] KiwiRail Holdings sought amendments to NOISE – R3 to require noise and vibration controls to be measured from the railway corridor designation boundary and to correct technical errors to NOISE – R3. KiwiRail also sought related technical changes to NOISE – APP1.

[19] The parties agree the following changes to NOISE – R3:

- (a) rewording relevant parts of NOISE – R3 regarding altered buildings;
- (b) changing the wording from “space used for sleeping” to “space where sleeping is the primary purpose”;
- (c) adding an exception for the Westport Port branch line;
- (d) some consequential changes to the structure of the rule including adding “The building will be used by a sensitive activity and is located within ...” to the beginning of relevant subparagraphs and amending

- Advice Note (1); and
- (e) other minor technical corrections.

[20] The parties also agree to the minor technical changes requested by KiwiRail to NOISE – APP1.

Withdrawn appeal points

[21] As a result of discussion at mediation, the respective appellants confirmed that they would no longer pursue the following appeal points, which they now agree to withdraw:

- (a) Tāiko appeal point on NOISE – R6; and
- (b) WMS appeal point on NOISE – R6.

[22] Following mediation, Federated Farmers confirmed that it would withdraw its appeal point on consistent use of the defined term ‘agricultural, pastoral and horticultural activities’ in so far as it relates to NOISE – R2.

[23] No party has any issue as to costs with the withdrawal of these appeal points.

Agreed appeal points that cannot be resolved at this time

[24] NOISE – R5 in the decisions version of the TTPP replaced several other NOISE provisions in the notified version of the TTPP. In their appeals, Tāiko and WMS appealed against NOISE – R5, seeking that the notified wording of these provisions be retained.

[25] The parties agree to the following changes to NOISE – R5:

- (a) adding “(15 min)” to LAeq; and
- (b) amending the Maximum Noise Limits in (2) applying in the General

Rural Zone and Rural Lifestyle Zone by:

- (i) deleting the Maximum Noise Limit for the shoulder periods of “Monday-Friday 7:00pm – 10:00pm” and “Saturday, Sundays and Public Holidays 7:00am – 10:00pm”;
- (ii) extending the application of the Daytime Maximum Noise Limit to any day from 7:00am to 10:00pm; and
- (iii) increasing the Night-time Maximum Noise Limit from 70 dB LAF_{max} to 75 dB LAF_{max}.

[26] The above relief would resolve all of Tāiko’s and WMS’s appeal points on NOISE – R5. However, Gordon Bradley also has an appeal point on NOISE – R5 that was not mediated as part of mediation on Topic 21 and has not yet been resolved. This means that the appeal points relating to NOISE – R5 cannot be resolved by consent at this stage.

Other relevant matters

[27] The following parties gave notice of an intention to become interested parties to the appeals under s274 RMA, and have signed the memorandum setting out the relief sought:

- (a) Bathurst Resources Limited and BT Mining Limited;
- (b) Birchfield Coal Mines Limited;
- (c) Buller District Council;
- (d) Director-General of Conservation;
- (e) Federated Farmers of New Zealand Incorporated;
- (f) Grey District Council;
- (g) Hardie Pacific Limited;
- (h) KiwiRail Holdings Limited;
- (i) Manawa Energy Limited;
- (j) New Zealand Minerals Council;

- (k) Royal Forest and Bird Protection Society of New Zealand Incorporated;
- (l) Tāiko Critical Minerals Limited;
- (m) Tasman Mining Limited;
- (n) Te Rūnanga o Ngāti Waewae, Te Rūnanga o Makaawhio and Te Rūnanga o Ngāi Tahu; and
- (o) Westpower Limited;
- (p) WMS Group (HQ) Limited.

[28] John Caygill and New Zealand Coal and Carbon withdrew their interest in the Topic 21 appeal points prior to mediation.

[29] The consent memorandum records the parties' assurances that all matters proposed for the court's endorsement fall within the court's jurisdiction and conform to the relevant requirements and objectives of the Act including, in particular, Pt 2.

[30] No party seeks costs, all parties agreeing that costs should lie where they fall.

Orders

[31] The court makes this order under s279(1) RMA, by consent, rather than as a decision or determination on the merits under s297.

[32] The court understands, for present purposes, that all relevant parties to the proceeding have executed the memorandum requesting the orders.

[33] Based on the information provided, the court is satisfied that the orders will promote the purpose of the RMA. Accordingly, the appeal is allowed to the extent that the changes shown in Appendix B are made to the Te Tai o Poutini Plan.



K G Reid
Environment Judge



Appendix A – List of appellants and section 274 parties

Appellants

ENV-2025-CHC-000108	Tāiko Critical Minerals Limited
ENV-2025-CHC-000118	WMS Group (HQ) Limited
ENV-2025-CHC-000121	Bathurst Resources Limited and BT Mining Limited
ENV-2025-CHC-000124	KiwiRail Holdings Limited
ENV-2025-CHC-000126	Gordon Bradley
ENV-2025-CHC-000130	Grey District Council
ENV-2025-CHC-000131	Buller District Council
ENV-2025-CHC-000133	Westpower Limited
ENV-2025-CHC-000134	Te Rūnanga o Ngāti Waewae, Te Rūnanga o Makaawhio and Te Rūnanga o Ngāi Tahu

Section 274 parties

Bathurst Resources Limited and BT Mining Limited

Birchfield Coal Mines Limited

Buller District Council

CMP Kokiri Limited

Director-General of Conservation

Federated Farmers of New Zealand Incorporated

Grey District Council

Hardie Pacific Limited

KiwiRail Holdings Limited

Manawa Energy Limited

New Zealand Minerals Council

Royal Forest and Bird Protection Society of New Zealand Incorporated

Tāiko Critical Minerals Limited

Tasman Mining Limited

Te Rūnanga o Ngāti Waewae, Te Rūnanga o Makaawhio and Te Rūnanga o Ngāi Tahu

Westpower Limited



Appendix B – Changes to the TTPP

Where provisions are amended, additions are shown in underline and deletions are shown in ~~striketrough~~.

Amend NOISE – P1 to read:

NOISE - P1

Enable the generation of noise of a type, character, scale and level that is appropriate to the zone, having regard to:

- a. The purpose, character and qualities of the zone that the activity is located in;
- b. The nature, frequency and duration of the noise generating activity;
- c. Whether the noise generating activity is regionally significant infrastructure;
- d. Methods of mitigation; ~~and~~
- e. The sensitivity of the surrounding environment~~;~~;
- f. The functional need or operational need of the activity; and
- g. Benefits from the work being undertaken and energy activities and infrastructure developed.

Amend NOISE – P2 to read:

NOISE - P2

Require sensitive activities sited in higher noise environments to be located and designed to minimise adverse effects on the amenity values, public health and wellbeing and the safety of occupants and minimise sleep disturbance from noise, while taking into account:

- a. The type of noise generating activity; and
- b. Other noise sources in the area including existing lawfully established activities; and
- c. The nature and occupancy of the noise sensitive activity; and
- d. Mitigation measures, including acoustic insulation, screening and topography.

For the purpose of NOISE - P2 higher noise environments include:

1. CMUZ - Commercial and mixed use zones;
2. INZ - Industrial zones, PORTZ - Port Zone, AIRPZ - Airport Zone, STADZ - Stadium Zone, BCZ - Buller Coalfield Zone, MINZ - Mineral Extraction Zone and HOSPZ - Hospital Zone;
3. Locations in close proximity to a State Highway and the Rail Corridor; and
4. The Westport Rifle Range Noise Overlay.

Amend NOISE – P4 to read:

NOISE - P4

Ensure noise effects generated by an activity are of a type, scale and level that are appropriate for the predominant role, function and character of the receiving environment and protect the health and wellbeing of people and communities by having regard to:

- a. Maximum noise limits to reflect the character and amenity of each zone;
- b. Type, scale and location of the activity in relation to any sensitive activities;
- c. Hours of operation and duration of activity;
- d. The temporary or permanent nature of any adverse effects;
- e. The ability to internalise and/or avoid, remedy or mitigate adverse effects; and
- f. The functional need or operational need of the activity;
- g. Benefits from the work being undertaken and energy activities and infrastructure developed.

Amend NOISE – R2 to read:

NOISE - R2 Emissions of Noise in All Zones

Activity Status Permitted

Where the following activities are exempted from meeting Zone noise standards:

1. Noise associated with use of the site for residential activity, including use of lawn mowers, vehicles, machinery or equipment operated and maintained in accordance with the manufacturer's specifications;
2. Any warning device or siren used by emergency services for emergency purposes (and routine testing and maintenance of these);
3. Activities at emergency service facilities associated with emergency response and emergency response training;
4. Helicopters used for an emergency and as an air ambulance;
5. The use of generators and mobile equipment (including vehicles) for emergency purposes, including testing and maintenance not exceeding two weeks in duration, where they are operated by emergency services or lifeline utilities or regionally significant infrastructure;
6. People noise at recreational activities, such as sporting events or the noise from children at school or in residential dwellings. This does not include any amplified noise;
7. Vehicles being driven on a road (within the meaning of Section 2(1) of the Transport Act 1998), or vehicles being driven within a site as part of or compatible with an activity provided for as a permitted activity in that zone;
8. Trains operating on rail lines (public or private) and crossing bells within road reserve, including at railway yards, railway sidings or stations (and including shunting operations at these locations). However, this exemption does not apply to the testing (when stationary), maintenance, loading or unloading of trains;
9. Road construction work where management controls are in place to mitigate the emission of noise;
10. Agricultural, pastoral and horticultural activities undertaken in the General Rural Zone and Rural Lifestyle Zone;
11. Aircraft take off and landing, including helicopter movements, associated with ~~rural~~ primary production activities and conservation activities at least 250 metres from any sensitive activity or for no more than 30 days in any 12 month period per site;
12. Non-commercial motorised watercraft operating on the surface of waterbodies;

13. Rifle ranges located within the Rifle Range Protection Area during the hours of 7am to 10pm;
14. The noise is emitted from an audible bird scaring device between the hours of half an hour before sunrise and until half an hour after sunset, not used at a frequency of more than 12 events per hour, and generating less than 65dBLAE for each event measured at any point at or within the boundary of any site within a Residential Zone, Settlement Zone, Māori Purpose Zone, Hospital Zone, Open Space Zone, Natural Open Space Zone, Scenic Visitor Zone, Future Urban Zone or at the notional boundary of any site in the General Rural Zone or Rural Lifestyle Zone; and
15. The noise is from a Temporary Activity where the temporary activity occurs between 7:00am and 10:00pm, and no more than 12 days per calendar year, and if operating outside of these hours complies with the underlying noise standards of the zone. This does not include any amplified noise.

Advice Note:

NOISE - R2.11 does not apply to activities undertaken by the Department of Conservation or its agents on land held or managed under the Conservation Act.

Activity status where compliance not achieved: N/A

Amend NOISE – R3 to read:

NOISE - R3 Acoustic Insulation Requirements for New or Altered Buildings for Use by a Sensitive Activity

Activity Status Permitted

Where:

1. The building will be used by a sensitive activity and is located within the Road Noise Overlay shown on the planning maps; where
 - i. Any habitable room in a new building; or, in an altered building, any new bedroom or a space where sleeping is

- ~~the primary purpose and/or space used for sleeping~~ must be designed, constructed and maintained to achieve a maximum internal noise level of 40dB LAeq (24h); and
- ii. Compliance with i. above must be achieved based on an existing measured or predicted external road-traffic noise levels with the addition of 3 dB; and
 - iii. Any ~~new or altered~~ habitable room in a new building; or, in an altered building, any new bedroom or a space where sleeping is the primary purpose ~~and/or space used for sleeping~~ within 20 metres of the edge of the carriageway must be designed, constructed and maintained to achieve vibration limits not exceeding 0.3mm/s (Class C criterion Maximum Weighted Velocity, Vw,95);
2. The building will be used by a sensitive activity and is located within 100m of the edge of the tracks of any railway line except for the Hokitika and Westport Port branch lines where any ~~new or altered~~ habitable room in a new building; or, in an altered building, any new bedroom or a space where sleeping is the primary purpose ~~used for a sensitive activity and/or space used for sleeping~~:
- i. Is designed, constructed and maintained to achieve a maximum internal noise level of 35 dB LAeq (1h); . Compliance ~~with a. above~~ must be achieved based on an assumption of 70 dB LAeq (1h) at a distance of 12m from the railway track and shall be deemed to reduce at a rate of 3 dB per doubling of distance up to 40m and 6dB per doubling of distance beyond 40m; or
 - ii. It is at least 50m from any railway network, and is designed so that a noise barrier completely blocks line-of-sight from all parts of doors and windows to all points 3.8m above railway tracks.
3. The building will be used by a sensitive activity and is located within 60m of the edge of the tracks of any railway line, except for the Hokitika and Westport Port Branch lines, where any ~~new or altered~~ habitable room in a new building; or, in an altered building, any new bedroom or a space where sleeping is the primary purpose ~~and/or space used for sleeping~~ must be

designed, constructed and maintained to achieve vibration limits not exceeding 0.3mm/s (Class C criterion Statistical Maximum Weighted Velocity, V_w ,95);

4. The building will be used by a sensitive activity and is located within ~~the~~ 50 dB Noise Contour boundary of Franz Josef Heliport or the 55 dB Noise Contour boundary of the Westport or Hokitika Airports or Greymouth or Karamea Aerodrome or Haast Airfield; where:
 - i. Any ~~new or altered~~ habitable room in a new building; or, in an altered building, any new bedroom or a space where sleeping is the primary purpose ~~and/or space used for sleeping~~ must be designed, constructed and maintained to achieve a maximum indoor design noise level of 40 dB Ldn;
5. The building will be used by a sensitive activity and is located within Any CMUZ - Commercial and Mixed Use Zone, INZ - Industrial Zone or AIRPZ - Airport Zone, PORTZ - Port Zone, STADZ - Stadium Zone, HOSZ - Hospital Zone, BCZ - Buller Coalfield Zone or MINZ - Mineral Extraction Zone; where
 - i. The building is designed, constructed and maintained to ensure that the following indoor design noise levels are not exceeded:
 - a. 40dB LAeq inside any new or altered habitable room;
 - b. 35dB LAeq inside new or altered bedrooms between 10pm and 7am; and
6. The building will be used by a sensitive activity and is located between the 55dB LAFMAX and 60 dB LAFMAX contours of the Westport Rifle Range Noise Overlay shown on the planning maps:
 - i. Any habitable room in a new building; or, in an altered building, any new bedroom or a space where sleeping is the primary purpose ~~used for a sensitive activity and/or space used for sleeping~~ must be designed, constructed and maintained to achieve a maximum internal noise level of 35 dB LAFMAX from outdoor noise associated with lawfully established activities at the Westport Rifle Range Protection Area; and

- ii. An outdoor living area not less than 30m² must be screened from the Westport Rifle Range Protection Area to achieve an outdoor noise level not exceeding 50 dB LAFMAX.
7. Where windows need to be closed to achieve the internal noise levels specified in 1. to 2. and 4. to 6. above an alternative ventilation system shall be provided which achieves the following requirements:
- i. Satisfies clause G4 of the New Zealand Building Code; and
 - ii. Is adjustable by the occupant to control the ventilation rate in increments up to a high air flow setting that provides at least 6 air changes per hour; and
 - iii. Provides relief for equivalent volumes of spill air; and
 - iv. Provides cooling and heating that is controllable by the occupant and can maintain the inside temperature between 18oC and 25oC; and
 - v. Does not generate more than 35 dBLAeq(30s) when measured at any point where a person associated with a sensitive activity could be located, and no less than 1m away from any grille or diffuser.

Advice Notes:

1. Compliance with Rule NOISE - R3 will be achieved if, prior to the construction of any ~~building containing a new or altered~~ habitable room in a new building; or, in an altered building, any new bedroom or a space where sleeping is the primary purpose and/or space used for sleeping, an acoustic design certificate from a suitably qualified acoustic engineer is provided to the relevant district council stating that the design will achieve compliance with the relevant standard. The building shall be designed, constructed and maintained in accordance with the design certificate; or
2. For NOISE - R3.1, NOISE - R3.2, NOISE - R3.4, NOISE - R3.5 and NOISE - R3.6a, compliance will be achieved if the construction conforms to the acceptable solutions listed in NOISE - APP1 - Acceptable constructions requirement, Part A and meets the ventilation requirements of NOISE - R3.7.

3. For NOISE - R3.3, compliance will be achieved if the construction conforms to the acceptable solutions listed in NOISE - APP1 - Acceptable constructions requirement, Part B and meets the ventilation requirements of NOISE - R3.7.

Activity status where compliance not achieved: Restricted
Discretionary

Amend NOISE – APP1 to read:

NOISE - APP1 Acceptable Construction Design for Acoustic Insulation Requirements for New Buildings for Use by a Sensitive Activity Subject to NOISE - R3

Part A: Approved construction requirements for compliance with NOISE - R3.1, NOISE - R3.2, NOISE - R3.4, NOISE - R3.5, NOISE - R3.6a

New buildings and alterations must meet the ventilation requirements of NOISE - R3.7.

Applicability	Construction requirements detailed in this Appendix are only applicable where: 1. The building is a single level construction; 2. The floor of the building is a reinforced concrete slab; 3. No habitable room of the building is located less than 4.5 metres from the State Highway road boundary or railway track edge; 4. The total area of glazing in any habitable room is no greater than 20% of the total area of external walls of that room; and 5. The roof of the building is a standard timber truss design, with a pitch of not less than 15 degrees. Ventilation of the roof space must only be via casual ventilation typical of the jointing, capping and guttering detail used in normal construction. In all other situations, a design report from a suitably qualified acoustics specialist is required.
Construction Options	
Exterior Walls Option 1	Exterior cladding of aerated concrete or similar, with a surface mass not less than 27 kg/m². · Timber framing of not less than 90 mm, with studs at 600 mm centres. A ventilated cavity is not required under this option but is permissible, with or without a rigid air barrier.

	· Fibrous insulation of minimum R2.6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products. · One layer of 10 mm thick Standard Gib board or alternative gypsum board having a surface mass not less than 6 kg/m².
Exterior Walls Option 2	Exterior cladding of profiled sheet metal not less than 0.45 mm thick. · 20 mm thick battens forming a ventilated cavity, · Rigid air barrier consisting of Plywood not less than 9 mm thick or Fibre Cement not less than 4 mm thick, or alternative sheet product having a surface mass not less than 5 kg/m². · Timber framing of not less than 90 mm, with studs at 600 mm centres, · Fibrous insulation of minimum R2.6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products, · One layer of 10 mm thick Standard Gib board or alternative gypsum board, having a surface mass not less than 6 kg/m²,
Exterior Walls Option 3	Exterior cladding of Fibre Cement weatherboards, with a surface mass not less than 18 kg/m² (Hardies Linea or equivalent). · 20 mm thick battens forming a ventilated cavity. · Rigid air barrier consisting of Plywood not less than 7 mm thick or Fibre Cement not less than 4 mm thick, or alternative sheet product having a surface mass not less than 3.8 kg/m². · Timber framing of not less than 90 mm, with studs at 600 mm centres. · Fibrous insulation of minimum R2.6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products. · One layer of 10 mm thick Standard Gib board or alternative gypsum board, having a surface mass not less than 6 kg/m²,
Glazing and Exterior doors - All options	· Windows to consist of double glazing consisting of a minimum of two layers of 4 mm thick glass separated by a 12 mm air gap, with airtight seals. · External doors to be either double glazed to the same standard as windows or a solid timber construction with a surface mass not less than 24 kg/m² and incorporating full perimeter seals.
Roof — All Options	· Profiles metal roofing not less than 0.45 mm thick profiled steel or tiles. · Fibrous insulation of minimum R6. This includes fibreglass, polyester and wool, but does not include polystyrene or other foam sheet insulation products, · Two layers of 10 mm Standard Gib board or alternative gypsum board, with each layer having a surface mass not less than 6 kg/m².

**Part B: Approved construction requirements for compliance with
NOISE - R3.3**

Any new buildings or alterations to existing buildings containing a sensitive activity, closer than 60m to the boundary of an existing railway track and is a single storey framed building with:

- a. A constant level floor slab on a full-surface vibration isolation bearing with natural frequency not exceeding 10 Hz, installed in accordance with the supplier's instructions and recommendations; and
- b. Vibration isolation separating the sides of the floor slab from the ground; and
- c. No rigid connections between the building and the ground.

In all other situations, a design report from a suitably qualified acoustic specialist is required demonstrating compliance with NOISE - R3.3.

~~New buildings and alterations must meet the ventilation requirements of
NOISE - R3.7.~~

