



PRE-QUALIFICATION SCHEME

ENVIRONMENT

Categories and levels
Eligibility Criteria

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ENVIRONMENT			
Category	Levels	Abbrev	Eligibility Criteria -Page
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Biodiversity	Aquatic Flora & Fauna	E-AFF	Page 5
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Noise & Vibration	Noise & Vibration	E-NMD	Page 7

Group: ENVIRONMENT

Category: ALL

This category of pre-qualification incorporates works associated with the assessment of air quality, flora and fauna, noise modelling and monitoring, It also includes the development and management of environmental management systems and associated environmental management plans including environmental auditing for construction.

All pre-qualified consultants/contractors will be subject to regular reviews incorporating but not limited to technical capability, on-going evidence of experience within road construction projects, maintenance of key personnel or notification of changes in key personnel/resources, adequate management systems or insurance, timeliness of response etc. This review may include verbal and/or written feedback on audits and reports. Failure to meet requirements will lead to review of prequalification status.

A formal reassessment of all environmental consultants will be undertaken on a regular basis with the maximum review period not exceeding three years.

Standard Eligibility Criteria

To be eligible a Company must demonstrate that (where applicable):

- Personnel with demonstrated qualifications, experience and skills in the area of competency for the pre-qualification level.
- Occupational Health & Safety Management System, third party certified to AS 4801 (or equivalent) or audited to VicRoads OH&S Management Systems checklist.
- Quality Management Systems that is third party certified to AS/NZS/ISO 9001:2008, audited to VicRoads Quality Management System Checklist, or an Operational Management System.
- Evidence that the company had Victorian WorkCover insurance policy or proof of self-insurance that covers all personnel engaged in the delivery of services.
- Appropriate levels of Public Liability and Professional Indemnity Insurance.

Group:	ENVIRONMENT
Category:	AIR
Levels:	Air Quality Modelling
	<p>Area of Competency Involves the conduct of:</p> <ul style="list-style-type: none">(a) Air quality modelling of vehicle emissions; and(b) Air quality impact assessment of road projects, including risk assessments of potential health impacts. <p>It also includes the provision of competent advice on the implications of relevant Federal and State legislation, policies, planning schemes and guidelines.</p> <p><u>Competency Specific Eligibility Criteria</u> To be eligible a Company must demonstrate it meets the standard eligibility criteria and has personnel with:</p> <ul style="list-style-type: none">• Tertiary qualifications in chemistry, science, environmental engineering or another relevant field;• Demonstrated experience in competencies identified above;• Understanding of relevant Federal and State legislation, policies and guidelines.

Group:	ENVIRONMENT
Category:	BIODIVERSITY
Levels:	<p>Aquatic – Flora and Fauna</p> <p>Area of Competency For undertaking:</p> <ol style="list-style-type: none"> Desktop and field assessment of aquatic flora and fauna; The development of flora aquatic flora and fauna protection measures and management recommendations. <p>It also includes the provision of competent advice on the implications of relevant Federal and State legislation, policies (including State Planning Policy Frameworks and Local Planning Policy Frameworks), planning schemes and guidelines.</p> <p>Competency Specific Eligibility Criteria To be eligible a Company must demonstrate it meets the standard eligibility criteria and has personnel with:</p> <ul style="list-style-type: none"> • Appropriate tertiary qualification; • Demonstrated experience and skills in aquatic flora and fauna surveys, impact assessments and impact mitigation. • Understanding of relevant Federal and State legislation, policies and guidelines including relevant environmental clearances approvals and permits required.
Levels:	<p>Flora, Fauna and Net Gain Assessments</p> <p>Area of Competency For undertaking:</p> <ol style="list-style-type: none"> Desktop and field assessments of indigenous flora, fauna and Net Gain assessments; The development of protection measures and management recommendations for flora and fauna; Calculation Net Gain requirements; Preparation and implementation of offsets management plans as required for achieving Net Gain requirements. <p>It also includes the provision of competent advice on the implications of relevant Federal and State legislation, policies (including State Planning Policy Frameworks and Local Planning Policy Frameworks), planning schemes and guidelines.</p> <p>Competency Specific Eligibility Criteria To be eligible a Company must demonstrate it meets the standard eligibility criteria and has personnel with:</p> <ul style="list-style-type: none"> • Tertiary qualifications specialising in ecology, environmental flora and fauna surveys, including species identification of mitigation methodologies; • Demonstrated experience and skills in undertaking flora and fauna surveys, including species identification, population impact assessment, habitat management plans and identification of mitigation methodologies; • Demonstrated experience and skills in preparation of net gain assessment reports and offset management plans; • Demonstrated knowledge in conservation management plans; and • Understanding of relevant Federal and State legislation, policies and guidelines including relevant permit and approvals required.

Group: ENVIRONMENT

Category: ENVIRONMENTAL ASSESSMENTS

Levels: Environmental Auditing (Construction)

Area of Competency

(a) Conduct of environmental compliance audits against EPA Victoria legislative & regulatory requirements and/or industry best practice guidelines to assess adequacy of proposed monitoring strategies, sampling and analytical methods and environmental controls.

Competency Specific Eligibility Criteria

To be eligible a Company must demonstrate it meets the standard eligibility criteria and has personnel with:

- Tertiary qualifications in science or engineering or another relevant field;
- Demonstrated ability to meet qualification criteria stated in ISO 19011:2003 *Guidelines for quality and/or environmental management systems auditing* or an industrial facilities auditor appointed pursuant to the Victorian Environment Protection Act 1970
- Demonstrated experience in environmental auditing road construction projects
- Understanding of relevant Federal and State environmental legislation, policies and guidelines; VicRoads policies and guidelines; and construction industry best practice environmental management guidelines.

Levels: Environmental Management Systems

Area of Competency

The requirement for the:

- (a) Development, implementation and assessment of Environmental Management Systems to ISO14001 or equivalent;
- (b) Development and assistance with the implementation of environmental management plans and
- (c) Conduct of environmental management system audits.

It also includes the provision of competent advice on the implications of relevant Federal and State legislation, policies and guidelines.

Competency Specific Eligibility Criteria

To be eligible a Company must demonstrate it meets the standard eligibility criteria and has personnel with:

- Tertiary qualifications in engineering, science, environmental planning or another relevant field;
- Understanding of relevant Federal and State legislation, policies and guidelines including relevant environmental permits and approvals required
- Demonstrated ability to meet qualification criteria stated in ISO 19011:2003 *Guidelines for quality and/or environmental management systems auditing*

Group: ENVIRONMENT

Category: NOISE & VIBRATION

Levels: Noise & Vibration

Area of Competency

The conduct of:

- (a) Traffic noise measurement and monitoring consistent with Australian Standard AS 2702 Acoustics – Methods for The Measurement of Road Traffic Noise;
- (b) Environmental noise modelling using software such as SoundPLAN or CadnaA;
- (c) Noise impact assessment according to VicRoads and/or State Government policy and practices;
- (d) Traffic noise measurements.

Competency Specific Eligibility Criteria

To be eligible a Company must demonstrate it meets the standard eligibility criteria and has personnel with :

- Tertiary qualifications in science or engineering specialising in acoustics, physics or another relevant field,
- Experience suitable for Membership of the Australian Acoustical Society,
- Understanding of relevant Federal and State legislation, policies and guidelines.