



Macao Special Administrative Region
Região Administrativa Especial de Macau

Science and Technology Development Fund
Fundo para o Desenvolvimento das Ciências e da Tecnologia

Assessment Indicators and Explanations of Funding Scheme for Scientific Research and Innovation - Key Research and Development

I. Assessment Indicators

Primary indicators and weights		Secondary indicators and weights	
1. Assessment of technology and results	55%	1.1 Advancement of technical performance	40%
		1.2 Practical application scenarios	30%
		1.3 Economic and social benefits	30%
2. Eligibility of applicants	20%	2.1 Scientific research foundation of the team	40%
		2.2 Quality and quantity of members	30%
		2.3 Research conditions	30%
3. Project plans	25%	3.1 Assessment of work plans	15%
		3.2 Rationality of budget arrangements	15%
		3.3 Project feasibility	30%
		3.4 Industry-university-research cooperation	40%



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II. Explanations on Assessment Indicators

1. Assessment of technology and results

1.1 Advancement of technical performance

Assessment is conducted mainly in terms of the advancement of the technical performance indicators in the project (whether it is internationally leading or internationally advanced, domestically leading or domestically advanced), technical content (mainly from the technical complexity and technical difficulty of the project itself), the degree of technical innovation and the feasibility of the project's technical route.

1.2 Practical application scenarios

Assessment is conducted mainly based on the applicability, rationality, practical application value and significance of the usage scenarios of project results.

1.3 Economic and social benefits

Assessment is conducted mainly based on the economic benefits of the project results to applicants and the region, the benefits to the society, the promotion of technological development and industrial innovation, market demands and competitive advantages.

2. Eligibility of applicants

2.1 Scientific research foundation of the team

Assessment is conducted mainly on the project funds and awards once obtained by the project team in the same research direction, and economic benefits created by the team.

2.2 Quality and quantity of members

Assessment is conducted mainly based on the project team's qualifications and research experience in related fields, articles published in important periodicals, and whether the number of members is arranged according to the project's actual needs.

2.3 Research conditions

Assessment is conducted mainly based on whether the applicant's existing scientific research facilities (such as laboratories, factories, equipment and instruments) can support and ensure the smooth implementation of this project.



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3. Project plans

3.1 Assessment of work plans

Assessment is conducted mainly based on the goals achieved at different stages of the project research and its rationality, the degree of matching between the research contents and the research time, and the rationality of personnel investment.

3.2 Rationality of budget arrangements

Assessment is conducted mainly based on the rationality and necessity of the project budget (including researcher allowances, instrument and equipment costs, consumable material costs, collaboration costs and other derivative expenses, etc.), self-matching amounts, and expenses raised by partners.

3.3 Project feasibility

Assessment is conducted mainly based on the feasibility of the actual project operation, namely, the possibility of successful results during the project operation.

3.4 Industry-university-research cooperation

Assessment is conducted based on whether the applicant has carried out cooperative research with local enterprises (especially those certified by the *Certification Program of Technology Enterprise* of the Economic and Technological Development Bureau) or enterprises in Hengqin, as well as the complementary advantages of both parties, the rationality of the division of work and the allocation of property rights, etc.