



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 - Basic Research

I. Assessment Indicators

| Primary indicators and weights | | Secondary indicators and weights | |
|--------------------------------------|-----|--|-----|
| 1. Scientific value and cutting edge | 50% | 1.1 Innovation and cutting edge | 40% |
| | | 1.2 Achievements and academic value | 30% |
| | | 1.3 Assessment of research methods | 30% |
| 2 Eligibility of applicants | 25% | 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 Cooperative research | 40% |



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II. Explanations on Assessment Indicators

1. Scientific value and cutting edge

1.1 Innovation and cutting edge

Assessment is conducted mainly based on the project's ability to explore valuable phenomena or rules and propose new topics, its innovative role in scientific research in this field, and its creative resolution of key problems in basic research.

1.2 Achievements and academic value

Assessment is conducted mainly based on the academic value of the expected research results and the degree of improvement of the scientific research level in the region.

1.3 Assessment of research methods

Assessment is conducted mainly based on the advancement, scientificity and feasibility of the project's technical route, implementation methods and procedures.

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 applying entity'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 Cooperative research

Assessment is conducted based on whether the applying entity has conducted cooperative research with local colleges and universities, as well as the complementary advantages of both parties, the rationality of the division of work and the allocation of property rights.