

PCIEERD Management Team (PMT) Evaluation Criteria, Indicators and Guide Questions

CRITERIA	INDICATOR	GUIDE QUESTION	TRUE / YES / AGREE	FALSE / NO / DISAGREE	CRITERIA RAW SCORE	AVERAGE SCORE	WEIGHTED SCORE	REMARKS
1. Socio-Economic Impact (35%)	1.1 Potential of project to create/provide/generate employment.	1.1.1 Identifies the specific jobs/skillsets to be involved	x		5	5.00	1.75	
		1.1.2 Estimates the number of personnel needed in the new industry/sector	x					
		1.1.3 Directly generates new employment/jobs after its completion	x					
		1.1.4 Projects leads to new skills sets that will be deployable/in demand	x					
		1.1.5 Need for skillsets will persist long after project implementation period	x					
	1.2 Potential to Increase income and productivity	1.2.1 Identifies the business or industry where the R&D results will be applied	x		5			
		1.2.2 Increases the level of productivity of beneficiary organization	x					
		1.2.3 The level of increase in productivity is quantified	x					
		1.2.4 Increase in income of firms or industries is shown	x					
		1.2.5 Level of increase of income is quantified and reasonable	x					
	1.3 Ability to address any current/pressing national problem, among others, are specified and quantified	1.3.1 Identifies and scopes the specific issue or problems	x		5			
		1.3.2 The scope of the problem is national	x					
		1.3.3 The nature of the problem is urgent	x					
		1.3.4 The extent or level of the problem addressed is properly quantified	x	x				
		1.3.5 The whole extent or scope of problem is addressed	x	x				
2. Environmental Impact (10%)	2.1 The project will not pose a significant adverse effect on the environment and/or public health	2.1.1 the place of implementation has no environment issue	x		5			
		2.1.2 ... will lead to new technologies that is environmentally-neutral (no net emission or pollution)	x					
		2.1.3 ... will not generate possible new environmental problems in the area	x					
		2.1.4 ... is acceptable to the community where it is going to be implemented	x					
		2.1.5 ... will sustainably utilise (natural) resources that could potentially be depleted in the long-term	x					
								5.00

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	2.2 Will improve environmental conditions using environment-friendly /clean process	2.2.1 Identifies environmental challenges in the technology/process current being used	x		5	5.00	0.50	
		2.2.2 Intends to develop technologies that directly improve environment conditions of specific areas or industries	x					
		2.2.3 Mitigates the environmental effects (wastes, emissions) where the processes is being applied	x					
		2.2.4 Quantifies the potential solution and effectiveness to the specific problem	x					
		2.2.5 Solution is applicable or robust enough to be applicable to other areas or situations	x					
3. Plans for Research / Project Results Utilization (30%)	3.1 Plans on how R&D results will be used by the prospective end user/s or adopters are defined	3.1.1 The resulting products and technologies clearly identified	x		5	5.00	1.50	
		3.1.2 Is/Are the prospective user/s clearly identified	x					
		3.1.3 There is a clear plan to turn over the result or technology	x					
		3.1.4 The need for the technology by the prospective user is clearly established	x					
		3.1.5 The resulting products and technology is suitable and acceptable to end-users	x					
	3.2 Addresses strategic needs/value	3.2.1 Beyond current target uses, are there other potential uses of the products	x		5			
		3.2.2 Beyond current target end-users, are there other prospective users?	x					
		3.2.3 Shows how the project results can be scaled up to be widely used or available	x					
		3.2.4 The results add value to the research organization and builds on previous research	x					
		3.2.5 Is the technology developed versatile enough to be applicable to address research needs of other fields or disciplines?	x					
	3.3.Sustainability plan for the resources generated and capacity built from the project	3.3.1 Builds research capacity through equipment & laboratory establishment	x		5			
		3.3.2 Builds research capacity thorough human resource & training	x					
		3.3.3 Indicates how research fills in the sector roadmap	x					
		3.3.4 Includes training activities for stakeholders	x					

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		3.3.5 Has ability to attract interest from other organizations to support future activities	x					
4. Marketability (25%)	4.1 Determine current and potential market demand	4.1.1 The volume of products to be generated is identified and quantified in the proposal	x		5	5.00	1.25	
		4.1.2 There is currently an unmet demand	x					
		4.1.3 The technology ensures that rate of production matches or exceeds the demand	x					
		4.1.4 The market is expected to increase even after the project is completed and beyond	x					
		4.1.5 There is a government policy to support generation of the demand	x					
	4.2 Has identified specific/potential end-users	4.2.1 The target current end-users/customers are identified	x		5			
		4.2.2 The target end-users are quantified	x					
		4.2.3 Other potential users are also identified and quantified	x					
		4.2.4 Current set of end-users may increase in the future	x					
		4.2.5 Interest from end-users will not go away anytime soon	x					
	4.3 Explore/Create new markets for the resulting product/process/service are specified	4.3.1 Is there a new market identified for the product	x		5			
		4.3.2 Given the existing market and competition, the product can still thrive or succeed	x					
		4.3.3 The product is unique enough to generate its own market	x					
		4.3.4 Does the proposed product match the new identified market	x					
		4.3.5 There will be no future competitors	x					
	4.4 Advantage over existing products/services in the market	4.4.1 The competing/comparable products are identified	x		5			
		4.4.2 The target product/technology price is indicated/determined	x					
		4.4.3 The product/technology price is competitive	x					
		4.4.4 The advantageous features of the resulting product are clearly outlined/highlighted	x					

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		4.4.5 The advantages could outweigh the higher price for the same product (Answer "Yes" if actually lower)	x					
	4.5 Potential adoption/use of the industry (manufacturer) and other partners	4.5.1 Beneficiaries and interested groups are clearly identified;	x		5			
		4.5.2 The particular company/firms to adopt/license the technology is identified	x					
		4.5.3 There is a letter of commitment from one or more organization to adopt the technology if found to be suitable	x					
		4.5.4 There will be counterpart contribution or funding from a company indicated in the proposal	x					
		4.5.5 The proposal has a definite target company to license agreements	x					
EQUIVALENT POINTS							5.00	

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Disposition:

Points	Disposition
4.5 to 5.0	Highly Recommended
3.1 to 4.4	Recommended (subject to compliance from PMT Comments)
2.0 to 3.0	For Revision (subject for PMT Re-evaluation)
0.0 to 1.9	Not Recommended

Remarks (other comments):