Minutes of the 6G Evaluation Committee (ETEC 13) First Meeting held on 04.06.2024

Telecom Technology Development Fund (TTDF) Proposals

The first meeting of ETEC-13 for the evaluation of Accelerated Research Proposals on 6G, conducted via video conferencing, was held on 4th June 2024 (03:30 PM to 03:45 PM). The primary objective was to engage in discussions with committee members on the next steps following the Phase 1 online evaluation process through the portal.

2. The Deputy Director General (DDG) of TTDF/SRI welcomed the committee members and provided a brief overview. He thanked the members and the Chairperson for their excellent efforts in evaluating the 20 proposals. The DDG informed the committee about the evaluation criteria outlined in the TTDF guidelines (link: https://usof.gov.in/web_assets/img/ttdf_guidelines.pdf), as detailed in Annexure IA and advised the Committee to follow the same. The suggested mapping of TTDF Criteria to the evaluation parameters as at Annexure IB has been deliberated and accepted upon. Each criterion is accompanied by its respective weightage and the final scores for each proposal will be calculated accordingly. The average weighted values so reached for each proposal is placed at Annexure II.

3. The committee recommends the proposals at Annexure III for the next phase (Phase II), inviting the applicants to present their proposals in detail before the Committee. To have uniformity across all the committees, the following broad guidelines were suggested for the presentation with one slide dedicated to each point.

1. Description of Proposals
2. Objectives of the Proposals
3. Preliminary Investigations Done by the Individual/Organization
4. Potential IPR and Standards Creation.
5. Linkages, if any, with other planned activities of the applicant.
6. Research Landscape: Comparative analysis, providing details of other organizations working in related fields globally.
7. Methodology: Detailing Stepwise Activities and Sub-activities with defined Timelines.
8. Outcome & Likely Impact.
9. Budget Bifurcation Milestones-wise
   a) Proposed Applicant's Contribution
   b) Expected Contribution from DOT

4. It was decided that all committee members will participate in the presentations and enter their marks through an online evaluation (Phase II) mechanism. Links for the recordings of the presentations will be available on the portal for members to review, if required, before finalizing their marks.

5. Each presentation will be 15 minutes long, followed by a 10-minute discussion. The VC meeting of ETEC 13 for the presentations of the proposals (Annexure III) is scheduled as follows:

- Monday (10.06.24) - 09:30 hrs IST onwards.
- Tuesday (11.06.24) - 14:00 hrs IST onwards.

6. With this, the Department extends its sincere gratitude for the cooperation of the Committee Members.

Annexure IA

11. Indicative Evaluation Criteria:

The indicative evaluation criteria for applicants under the Scheme are as follows:

S. No.	Criteria	Details	Indicative Weightage (%)
1	**Technical Feasibility**	Feasibility & reasonability of the technical claims, methodology used/to be used for validation, roadmap for technology development/Pilot readiness	15
2	**Potential Impact**	Market size, Opportunity and Technology impact on target segment of consumers	15
3	**End-to-end solution**	Proposal provides an integrated solution with a potential for import substitution	10
4	**Novelty**	Degree of indigenous technology development; IP(s) associated with the technology; National importance (if any)	25
5	**Commercialization Strategy**	Utilization of technology to create a product/service; Its positioning & value addition for the intended customers; Plan to go-to-market; Challenges addressed	20
6	**Team**	Technical & business expertise with demonstrated competencies	15
Cyber Security has to be a very important focus area. All solutions proposed should have focus on how they are cyber secure.			
Total			**100%**

Annexure IB

S.No.	Evaluation Criteria	Max. Marks	Guideline Criteria	Guideline percentage	Sample Mrks	Weightage marks	Weightage max. marks
4	**Ecosystem Readiness**: The readiness of the broader ecosystem, including technological infrastructure can significantly influence the success of a research project, to acknowledge its role in facilitating or hindering research implementation.	10	Technical Feasibility - 15%	7.50%	5	0.375	0.75
8	**Technical Merit:** The technical rigor and validity of research methodologies are fundamental for ensuring the credibility and reliability of research outcomes, to emphasize its importance in maintaining scientific excellence.	10	Technical Feasibility	7.50%	4	0.3	0.75
10	**Feasibility and Resources**: Ensuring that research is feasible within allocated resources and constraints is essential for project success, to recognize its role in assessing practicality and viability.	10	Team - 15%	7.50%	7	0.525	0.75
3	**Collaboration and Partnerships:** Collaboration with diverse stakeholders and partners can enhance the quality and impact of research outcomes, to recognize its contribution to knowledge exchange and resource sharing.	10	Team	7.50%	5	0.375	0.75
7	**Knowledge Transfer and Application:** Translating research findings into practical applications and benefits is crucial for maximizing impact,to recognize its role in creating value for end-users and society.	10	Potential Impact - 15%	7.50%	4	0.3	0.75
1	**Innovation Potential:** Innovation is crucial for driving progress and addressing challenges in research, to emphasize the significance of introducing novel ideas, methodologies, or technologies.	10	Potential Impact	7.50%	9	0.675	0.75
9	**Significance and Impact**: Research should address significant challenges and have a meaningful impact on the field or society, to acknowledge its potential to generate transformative innovations and create positive change.	10	Novelty - 25%	25%	6	1.5	2.5
5	**Scalability and Future-proofing:** Research outcomes should be scalable and adaptable to future changes or advancements, to emphasize the importance of long-term viability and sustainability.	10	End-to-end solution - 10%	10%	4	0.4	1
2	**Market Demand and Use Cases:** Research that aligns with market needs and addresses practical use cases is more likely to have a real-world impact, to reflect its importance in ensuring relevance and applicability.	10	Commercialization Strategy - 20%	10%	5	0.5	1
6	**Long-Term Vision and Sustainability:** A clear long-term vision and commitment to sustainability are essential for ensuring the lasting impact of research outcomes, to highlight its role in guiding strategic decision-making and resource allocation.	10	Commercialization Strategy	10%	8	0.8	1
		100			**57**	**5.75**	**10**
		Previous			**57%**	**58%**	**New**
					Previous	**New**	

Annexure – II

Proposal	Avg weighted score (10)
Proposal 152	7.51
Proposal 48	7.23
Proposal 273	6.93
Proposal 188	6.62
Proposal 172	6.6
Proposal 220	6.5
Proposal 11	5.98
Proposal 274	5.92
Proposal 43	5.83
Proposal 12	5.79
Proposal 176	5.73
Proposal 200	5.65
Proposal 161	5.63
Proposal 440	5.6
Proposal 436	5.47
Proposal 198	5.43
Proposal 53	5.33
Proposal 108	5
Proposal 165	4.81
Proposal 130	4.54

Annexure –III

Proposal_id	Proposal_organization_name	Proposal_nodal_contact_person
11	Indian Institute of Technology Guwahati	Dr Ravindra Kumar Jha
12	PDPM IIITDM Jabalpur	Dr Dinesh Kumar V
43	New Horizon College of Engineering	Dr Sanjeev Kumar Sharma
48	National Institute of Technology Raipur	Saikat Majumder
152	PBR Visvodaya Institute of Technology and Science	Dr Ganugula Vijay Kumar
161	Indian Institute of Technology Dharwad	Dr Rahul Jashvantbhai Pandya
172	INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY	Prof Vivek Ashok Bohara
176	Indian Institute of Space Science and Technology	Chris Prema S
188	National Institute of Technology Meghalaya	Dr Shravan Kumar Bandari
200	National Institute of Technology Jamshedpur	Dr Swagatadeb Sahoo
220	National Institute of Technology Tiruchirappalli	E S Gopi
273	IIT BHU Varanasi	Ravi Panwar
274	Sri Sairam College of ENgineering	Dr A Poonguzhali
440	HNNOIX India Private Limited	Hargovind Prasad Bansal