

F. No. 4-2/2022-RE
Government of India
Ministry of Environment, Forest and Climate Change
(RE - Division)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi -110003.

22nd August, 2023

OFFICE MEMORANDUM

Subject: Constitution of Technical-cum-Financial Appraisal Committee (TFAC) under the Environmental Research and Development Programme (ERDP) of the Ministry - reg.

The Ministry of Environment, Forest and Climate Change hereby constitutes the Technical-cum-Financial Appraisal Committee (TFAC) under the Environmental Research and Development Programme (ERDP) of the Ministry with the following Composition:

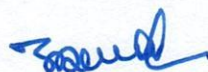
S. No.	Composition of the Committee	Status	Area Specialization	Address
1	Dr. Rup Lal Professor	Chairman (non-official)	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Department of Zoology, University of Delhi, Delhi-110006.
2	Dr. I. P. Pandey, Retired Professor	Member (non-official)	Clean Technology and Climate Change.	DAV PG College, Dehradun, 05-Cross Road, Dehradun-248001.
3	Dr. T Ramanathan, Associate Professor	Member (non-official)	Biodiversity Conservation (Marine Ecology).	CAS in Marine Biology, Annamalai University, Annamalainagar.
4	Dr. Madhu Dikshit, Director	Member (non-official)	Management of Natural Resources	CDRI, Sitapur Road, Lucknow- 226031.
5	Dr. Viva Kermani, Director	Member (non-official)	Socio Economics issues of environment and Sustainable Development.	Centre for Social Markets, Bowring Medical Hospital, 1, Lady Curzon Road, Shivaji Nagar, Bangalore-560001.



6	Shri Nomes Bhojkumar Bolia, Professor	Member (non-official)	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimization and Management, etc.	Deptt. of Mechanical Engineering, IIT, Delhi-110016.
7	Dr. Yogesh Gokhale, Senior Fellow	Member (non-official)	Sustainable Management of Natural Resources.	The Energy and Resources Institute, New Delhi-110003.
8	Dr. R. Vasudeva, Professor	Member (non-official)	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	College of Forestry, SIRSI Campus, Dharwad- 581401.
9	Prof. Harish Chandra Nainwal, Professor	Member (non-official)	Sustainable Management of Natural Resources	Department of Geology, HNB Garhwal University, Srinagar-246174.
10	Shri Sushil Gupta, Chairman & Member CGWB & CGWA	Member (non-official)	Pollution Prevention	CGWB & CGWA, M/o of Water Resources, River Development and Ganga Rejuvenation, New Delhi-110001.
11	Dr. Rajendra Kumar, Scientist 'C'	Member Secretary	...	MoEF&CC, New Delhi

2. The Term of Reference (ToR) of the Technical-cum-Financial Appraisal Committee (TFAC) of the ERDP shall be as under:

- i. Preliminary screening of proposals will be done in-house and complete proposals will be placed before the Technical-cum-Financial Appraisal Committee (TFAC) for appraisal and recommendation to the Steering Committee;
- ii. To determine whether the proposals fall under the identified Thematic Areas of EDRP of the Ministry;
- iii. To determine:
 - overall competence of the Principal Investigator, research team, and host institution for implementation of research proposals,
 - completeness of research proposals, and
 - usefulness of research outputs and outcomes;

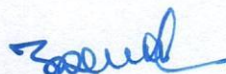


- iv. To identify a minimum of three and maximum of five expert peer – reviewers, only in exceptional cases, having expertise in the specific research topic to whom the technical proposal may be sent for evaluation;
- v. To scrutinize and evaluate research proposals, make recommendation for acceptance of Final Technical Reports (FTRs) and closure of research projects;
- vi. To assess the scientific and technical soundness of the proposals with respect to the objectives, methodology used, the expected outcomes and outputs and the practical utility of the research outputs;
- vii. To assess whether the budgetary requirements are commensurate with the research works to be carried out, which includes scrutiny of proposed budgetary requirements, component wise analysis of cost of project, scrutiny and evaluation of the requirement for research and technical staff and necessity for the equipment projected in the research proposal;
- viii. To assess expected and other physical outcome of the project, cost benefit analyses in terms of physical outputs and environment benefits, minimum required tenure of the project-techno-commercial feasibility of the project, modalities for replication of the outcomes, no duplication with existing work/ongoing projects, standardization of the design parameters for technology and preparation of protocols/prototypes for achieving reliable and replicable process;
- ix. To list clearly the expected outputs and outcomes of each proposed research project;
- x. To recommend research proposals for final consideration/ recommendations and sanction of the Steering Committee on Research;
- xi. To monitor and evaluate the progress of on-going projects and to suggest mid-course correction, if required;
- xii. To evaluate FTRs in terms of outputs and outcomes and its utility in enhancing the quality of environment and recommend the same for final acceptance by the Steering Committee on research to launch invited as well as Commissioned research projects;
- xiii. To identify priority areas of research under the Thematic Areas of research and facilitate development of concept proposals to launch invited/ Commissioned studies;
- xiv. To introduce the concept of 'cost-sharing' and 'viability gap funding' to promote industry participation in research and make the programme commercially viable, wherever possible and to address intellectual property rights issues;
- xv. To address issues related to availability of report on public domain, patent related conditions, revenue generation issues etc.
- xvi. To consider any other matter relating to ERDP as may deem fit for promotion of research in the area of Environment and Ecology.

3. The tenure of the Technical-cum-Financial Appraisal Committee (TFAC) will be for a period of two (02) years which may be subsequently extended until its re-constitution by the Ministry.

4. The TFAC may meet as often as necessary in Delhi or elsewhere in the country as and when required.

5. The Technical and Financial Appraisal Committee (TFAC) may co-opt any member/special invitee as and when required with the approval of competent authority.



6. The Chairman of the TFAC would be entitled to the reimbursement of the cost of Air travel by Executive Class by the shortest route and all other members would be entitled to travel by air in Economy Class by the shortest route, as per Rule SR-190 and subject to production of boarding pass for actual use of the facility.

7. Official members of the TFAC will be entitled to air travel, local travel for attending the meetings as admissible as per their entitlement and not entitled for any sitting fee. Claim on this account for other members will be admissible for one source only.


8. All the non-official members of the TFAC shall have to furnish the declaration of 'Conflict of Interest' as per enclosed proforma for ensuring accountability.

9. Other specific conditions are:

- i. TA/DA to non-official members will be regulated as per SR-190;
- ii. Entitlement may be restricted to actual;
- iii. Relaxation for Air journey, if any, will be as per instruction issued in the Ministry;
- iv. Air Tickets may be purchased from travel agents viz. M/s Balmer Lawrie & Company Limited, M/s Ashok Travels & Tours and IRCTC only.
- v. No duplication in payment, and
- vi. Payment be made through e-transfer only.

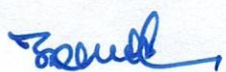
10. Payment of sitting charges @₹4000/- per sitting per day per person for attending the aforesaid meeting by non-official members will be as per instructions issued by DoE on the subject.

11. This issues with the approval of the Competent Authority and with the concurrence of AS&FA /IFD vide their Diary Number 193336 dated 17.08.2023.


(Dr. Rajendra Kumar)
Scientist 'C'

Distribution:

1. The Chairman & all Members (By Name).
2. PS to Hon'ble Minister, EF&CC.
3. PS to Hon'ble MoS, EF&CC.
4. PPS to Secretary, EF&CC.
5. PPS to AS (NPG), MoEF&CC.
6. PPS to AS (TK), MoEF&CC.
7. PPS to AS&FA, MoEF&CC.
8. All JSs/IGF/Advisers.
9. Pay & Accounts Officer, MoEFCC/IFD/Sanction Folder/Guard File.
10. Consultant (IT) – to upload the OM on e-office dashboard and on the official WhatsApp Group.


(Dr. Rajendra Kumar)
Scientist 'C'