

File No. MoES/29/80/2015-RTI
Government of India
Ministry of Earth Sciences

Prithvi Bhawan, IMD Campus
Lodhi Road, New Delhi.
Dated – 14th July 2015.

To

Ms. Shruti Kaushik,
B-10 Ground Floor, Viswakarma Colony,
Surajkund Crossing, M. B. Road,
New Delhi-110044

Subject:- Information sought online by Ms. Shruti Kaushik, B-10 Ground Floor, Viswakarma Colony,
Surajkund Crossing, M. B. Road, New Delhi-110044 under RTI Act.

Kindly refer to your RTI online application dated 23/06/2015 on the above mentioned subject.

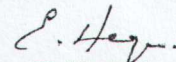
2. The reply provided by the concerned officer vide letter No. MoES/16/RTI/12-RDEAS dated 10/07/2015 & MoES/Dir(KVS)/Misc/1/2015 dated 14/07/2015 of Ministry Earths Sciences, New Delhi are enclosed herewith.

3. An appeal, if any, against this reply may be made to the Appellate Authority of the Ministry, at the following address within 30 days of the receipt of the letter.

Shri Vivek Misra, Director /FAA.
Ministry of Earth Sciences, Prithvi Bhawan,
IMD Campus, Lodhi Road, New Delhi-110003.

Encl. As above.

Yours faithfully,


(E. Haque)

Central Public Information Officer & Scientist 'C'
Tel. No. 24669521.

Copy for information to:-

1. Director, (ICC) MoES, New Delhi.
2. Dr. M. Sudhakar, Transparency Officer, MoES, New Delhi.
3. Under Secretary (Estt.), MoES, New Delhi for information.
4. PPS to JS, MoES, New Delhi.
5. In Charge IT Section (Sh. Krishnan is requested to upload this reply on website www.moes.gov.in).

राष्ट्रीय अंटार्कटिक एवं
समुद्री अनुसंधान केन्द्र

पृथ्वी प्रणाली विज्ञान संगठन
पृथ्वी विज्ञान मंत्रालय
(भारत सरकार)

हेड लैण्ड सडा, वास्को-डा-गामा
गोवा-४०३ ८०४, भारत

No: NCAOR/I/Gen(9)/15



NATIONAL CENTRE FOR
ANTARCTIC & OCEAN RESEARCH

Earth System Science Organisation
Ministry of Earth Sciences
(Government of India)
Headland Sada, Vasco-da-Gama
Goa - 403 804, INDIA

Date: 13.07.2015

To,
Dr. E. Haque
Scientist C & CPIO
Ministry of Earth Sciences,
Prithvi Bhawan, IMD Campus
Lodhi Road, New Delhi-110003

Sub: - Information sought by Ms. Shruti Kaushik, B-10, Ground Floor, Vishwakarma Colony,
Surajkund Crossing, M.B. Road, New Delhi - 110044 under RTI Act-2005-reg.

Sir,

With reference to your OM No. MoES/29/80/2015-RTI dtd. 01.07.2015, wherein an application has been forwarded to this office received from Ms. Shruti Kaushik, New Delhi under RTI Act 2005. The point wise information as requested by Ms. Shruti Kaushik is furnished below.

1. Does Ministry of Earth Sciences has any Intellectual Property (IP) Policy. If yes, then kindly send us the complete document(s).

This Institute does not have any Intellectual Property (IP) Policy.

2. Kindly provide us with details of total funds allocated for Research and Development over last 10 years (2005-2015). Also provide us year wise and amount wise details of Institute/ Organizations funded by your office over said period.

The information is available in the form of copies of audited accounts. The total copies are 72, therefore, the applicant may be requested to remit an amount of Rs. 144/- (Rupees one hundred forty four only) (72x2 = 144/-) towards providing these copies.

3. Whether Ministry of Earth Sciences conducts or requires any scrutiny of proposed research projects(s) regarding novelty before assigning it to any laboratories/ researchers/ scientist. That is, do you check if the research has already been undertaken by some other person/ organization anywhere in the world before allocation. If yes, please provide the document(s) with detailed information of the process of such scrutiny.

Prior to implementation of any projects at the centre, approval of the Ministry is sought for its implementation. Therefore, information related to the above query may be provided by MoES.

सुनील
13/07/15

Dr. R. L. Meena
15/7/15

-- 2 --

4. Kindly provide details of revenue generated from technology transfers or Licensing of Research outcomes (if any), including those where the fund for the research was allocated by your organization.

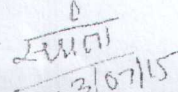
Not applicable.

5. Is there any procedure for sharing of revenue generated through publication of research work/ papers between Ministry of Earth Sciences and the various Journals. Kindly provide the documents(s) detailing the revenue generated shared so far from the journal publications over last 10 years (2005-2015).

Not applicable

This is for kind information please.

भवदीय / Yours faithfully



(सरिता एच. / Sarita H.)

Asst. Manager (Admn) &
Central Public Information Officer



भारत सरकार
पृथ्वी विज्ञान मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES

K. VENKATARAMA SHARMA
DIRECTOR

Tel. No. 24669725

Email: venkat-dod@nic.in

MoES/Dir(KVS)/Misc/1/2015

July 14, 2015

Sub: Information sought by Ms. Shruti Kaushik, M.B. Road, New Delhi under RTI Act, 2005

The undersigned is directed to refer to OM No. 763/Advisor(SB)/2015 dated 13.07.2015 on the above mentioned subject and to submit the following information:

1. The MoES had nominated the undersigned as a Member of the Committee for formulation of legislation governing Intellectual Property in public funded R & D constituted by the Department of Biotechnology. The outcome of this was the Protection and Utilisation of Public Funded Intellectual Property Bill, 2008 (complete document enclosed).

Answers in respect of items (2) to (5) may be collated as a whole by the Ministry.

[K. Venkatarama Sharma]
Director (KVS)

To
Shri E. Haque, CPIO, MoES, New Delhi

Copy to:

- i. Dr. Swati Basu, Advisor & Scientific Secretary (ESSO)
- ii. Dr. K. Somasundar, Advisor, MoES

*Please send the reply to
the applicant
Sh. R. L. Meena*

Sh. R. L. Meena
1417

K. VENKATARAMA SHARMA
DIRECTOR

Tel. No. 24669725

Email: venkat-dod@nic.in

MoES/Dir(KVS)/Misc/1/2015

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To
Shri E. Haque, CPIO, MoES, New Delhi

Copy to:

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RAJYA SABHA

A

BILL

to provide for the protection and utilisation of intellectual property originating from public
funded research and for matters connected therewith or incidental thereto.

(Shri Kapil Sibal, Minister of Science & Technology and Earth Sciences)

GMGIPMRND—4262RS(S-1)—10.12.2008.

TO BE INTRODUCED IN THE RAJYA SABHA.

Bill No. LXVI of 2008

THE PROTECTION AND UTILISATION OF PUBLIC FUNDED
INTELLECTUAL PROPERTY BILL, 2008

A

BILL

to provide for the protection and utilisation of intellectual property originating from public funded research and for matters connected therewith or incidental thereto.

BE it enacted by Parliament in the Fifty-ninth Year of the Republic of India as follows:—

1. (1) This Act may be called the Protection and Utilisation of Public Funded Intellectual Property Act, 2008.

Short title and
commence-
ment.

(2) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

2. In this Act, unless the context otherwise requires,—

Definitions.

(a) “designated countries” means countries in respect of which the recipient opts to retain the title under section 5;

(b) “Government” means the Central Government and includes local authorities and statutory authorities under the control of the Central Government;

(c) "intellectual property" means any right to intangible property, including trade mark, patent, design, and plant variety as defined under the Copyright Act, 1957, the Patents Act, 1970, the Designs Act, 2000, the Semiconductor Integrated Circuits Layout-Design Act, 2000, and the Protection of Plant Varieties and Farmers' Rights Act, 2001;

14 of 1957.
39 of 1970.
16 of 2000.
37 of 2000.
53 of 2001.

(d) "intellectual property creator" means the person employed or engaged by the recipient for research and development and who created the public funded intellectual property;

(e) "recipient" includes a university or institution of higher education established for research purposes which has entered into an agreement with the Government under section 3, and includes an organisation established by an Act of Parliament or a non-profit scientific or educational organisation registered under the Societies Registration Act, 1860;

21 of 1860.

(f) "prescribed" means prescribed by rules made under this Act;

(g) "public funded intellectual property" means intellectual property which is the outcome of research and development for which the Government has provided grant under section 3;

(h) "utilisation" means the manufacture of a composition or product, the practice of a process or method, operation of a machine or system, or commercialisation thereof.

Funding
Agreement.

3. (1) Any recipient interested to take a grant from the Government for the purpose of research and development shall enter into an agreement with the Government before receipt of such grant.

(2) The agreement entered into under sub-section (1) shall be in such form and manner as may be prescribed.

(3) The recipient shall,—

(a) make disclosure of public funded intellectual property to the Government within the time specified under section 4;

(b) perform the duties under section 7;

(c) constitute an intellectual property management committee in the manner specified under section 10;

(d) abide by such other conditions as may be prescribed.

(4) The Government shall not release any grant to any recipient until an agreement under sub-section (1) is entered into.

Disclosure of
public funded
intellectual
property.

4. The recipient shall within a period of sixty days of actual knowledge of the public funded intellectual property make a disclosure thereof to the Government in such form and manner as may be prescribed.

Vesting of
title of public
funded
intellectual
property.

5. (1) The recipient shall within ninety days of the disclosure under section 4, but within the period specified by any law for the time being in force for receipt of application in the designated countries for protection of public funded intellectual property, intimate, in such form as may be prescribed, to the Government, his intention to retain the title of the public funded intellectual property with respect to the designated countries and the Government shall allow the title of such public funded intellectual property with respect to such countries to vest in the recipient:

Provided that where the recipient fails to disclose the public funded intellectual property under section 4 or give such intimation within the specified time, the title of the public funded intellectual property, shall vest in the Government:

Provided further that the Government may, by an Order published in the Official Gazette, refuse the title to the recipient within ninety days of the receipt of the intimation on any of the following grounds,—

(a) that the recipient is not located in India or does not have a place of business located in India or is subject to the control of a foreign Government;

(b) that in the public interest and in exceptional circumstances the Government deems it expedient so to do;

(c) that it is necessary so to do in the interest of the security of the nation;

(d) that the public funded intellectual property is related to atomic energy as defined under section 20 of the Atomic Energy Act, 1962 or under section 4 of the Patents Act, 1970:

33 of 1962.
39 of 1970.

Provided also that where the Government is satisfied that the recipient has, for reasons beyond his control failed to give intimation within the time specified under this sub-section, it may, for reasons to be recorded in writing, extend the said period to such limit as may be prescribed.

(2) The title of the public funded intellectual property in respect of the countries other than the designated countries shall vest in the Government.

(3) Where the recipient fails to apply for protection of public funded intellectual property within the period specified under section 7, the title of same, shall vest in the Government.

(4) Where the recipient does not make a written submission to retain the title to the intellectual property or is refused the retention of title to the intellectual property by the Government, and where more than one Government authorities are party to the funding agreement, the intellectual property shall be jointly owned by the Government authorities on terms agreed upon by such Government authorities:

Provided that the share of costs and responsibility for intellectual property protection, maintenance, litigation and its utilisation shall be mutually agreed to by the Government authorities within such time as may be prescribed.

6. The recipient shall not publically disclose, publish or exhibit the public funded intellectual property till an application for the protection of the same in the designated countries is made:

Bar to public disclosure, publication and exhibition.

Provided that the recipient shall give intimation regarding public disclosure, publication or exhibition at least fifteen days before such disclosure, publication and exhibition to enable the Government to file application in countries other than the designated countries.

7. A recipient who retains the title to a public funded intellectual property shall,—

Duties of recipient who retains title to intellectual property.

(a) apply for the protection of public funded intellectual property in designated countries within the period specified by any law for the time being in force;

(b) having regard to its financial capability, bear all the expenses for its protection and enforcement;

(c) initiate the process for utilisation of the public funded intellectual property immediately after the application for protection of public funded intellectual property is filed and submit a written report within six months and biannually thereafter to the Government, specifying the steps taken for utilisation of the public funded intellectual property, details of licensees and any other information as may be prescribed.

(d) share the royalties or income received from the public funded intellectual property with the intellectual property creator under section 11;

(e) cause to maintain the accounts of the intellectual property management committee constituted under section 10;

(f) cause the funds of the intellectual property management committee to be audited under section 14.

Assignment.

8. The recipient shall not assign its right to public funded intellectual property to any person or body of persons without the prior written permission of the Government obtained sixty days in advance to such assignment:

Provided that the Government shall within a period of forty-five days convey its decision to grant or refuse such permission to the recipient:

Provided further that where no such decision is conveyed within the said period of forty-five days, permission shall be deemed to have been granted.

Duties of intellectual property creator.

9. (1) The intellectual property creator shall, immediately after the creation of public funded intellectual property, make a disclosure to the recipient to enable it to make a disclosure to Government under section 4.

(2) The intellectual property creator shall co-operate in all respects with the recipient or the Government, as the case may be, in the process of protection and utilisation of the public funded intellectual property so created.

(3) The intellectual property creator shall not publish, exhibit or publicly disclose the public funded intellectual property without prior intimation, of at least thirty days, to the recipient or the Government, as the case may be.

Constitution of intellectual property management committee and its functions.

10. (1) Every recipient shall, within one hundred and eighty days of the receipt of the funds under section 3, constitute an intellectual property management committee within its organisation.

(2) The intellectual property management committee constituted under sub-section (1) shall,—

(a) identify, assess, document and protect public funded intellectual property having commercial potential;

(b) perform market research and market such public funded intellectual property;

(c) create an intellectual property management fund;

(d) monitor the process of licensing and assignment;

(e) manage revenues from licensed public funded intellectual properties for the organisation;

(f) within one hundred and eighty days of its constitution, establish mechanism to promote the culture of innovation and public funded intellectual property generation within the organisation;

(g) create mechanisms to govern the relations between the recipient and the creator of public funded intellectual property.

Sharing of royalties or income.

11. (1) The income or royalties arising out of the public funded intellectual property shall be shared as under:—

(a) subject to the provisions of any agreement which may be entered into between the intellectual property creator and the recipient, not less than thirty per cent. of such income or royalties, after deducting the expenses incurred in protection and utilisation, shall be given to the creator of intellectual property:

Provided that where such agreement has a provision for a lesser amount than thirty per cent. of the net income, the provisions of this section shall prevail;

(b) out of the remainder, thirty per cent. shall be paid into the fund created by the intellectual property management committee;

(c) rest of the income or royalties shall be retained by the recipient for their utilisation in any further research and to meet other expenses for the protection and maintenance of public funded intellectual property.

(2) The recipient shall give a written report regarding the distribution of the royalties or income to the Government along with report under clause (c) of section 7.

12. Notwithstanding anything contained in this Act, no recipient who has retained title to any public funded intellectual property and no assignee of any such recipient shall grant, to any person, the exclusive right to use or sell any public funded intellectual property in India, unless such person manufactures products using such public funded intellectual property substantially in India:

Preference
for national
industry.

Provided that the Government may, for reasons to be recorded in writing, allow such sale or use for manufacture in countries other than India.

13. Notwithstanding anything contained in this Act, the Government shall have a right to practice and to assign any public funded intellectual property to carry out its obligations under any international treaty or agreement.

Government's
right to
public funded
intellectual
property.

14. (1) The recipient shall maintain proper accounts and other relevant records and prepare an annual statement of accounts in such form as may be, in consultation with the Comptroller and Auditor-General of India, prescribed.

Audit and
Accounts.

(2) The accounts of the recipient shall be audited by the Comptroller and Auditor-General of India at such intervals as may be specified by him and any expenditure incurred in connection with such audit shall be payable by the recipient to the Comptroller and Auditor-General of India.

(3) The Comptroller and Auditor-General of India shall have the same rights and privileges and authority as he has in connection with the audit of the Government accounts and, in particular, shall have the right to demand the production of books, accounts, connected vouchers, other documents and papers and inspection of offices of the recipient.

(4) The accounts of the recipient, as certified by the Comptroller and Auditor-General of India together with the audit report thereon, shall be forwarded to the Government at such time as may be prescribed.

15. The recipient, shall prepare in such form and at such time as may be prescribed, an annual report giving a summary of its activities including information relating to the proceedings and policies during the previous years and such report shall also contain statements of annual accounts of the recipient.

Annual
Report.

26 of 1996. 16. All disputes arising as a result of the provisions of this Act shall be settled in accordance with the provisions of the Arbitration and Conciliation Act, 1996.

Dispute
settlement.

17. Nothing in this Act shall apply to any intellectual property generated out of scholarship, fellowship and grant given by the Government, primarily, for educational purposes:

Disposition
of rights in
educational
Awards.

33 of 1962. Provided that this section shall not apply to any public funded intellectual property falling within sub-section (1) of section 20 of the Atomic Energy Act, 1962.

18. The Government shall,—

Duties of
Government.

(a) apply for protection and maintain the public funded intellectual property for which the title vests with it under section 5 in any country as deemed necessary;

(b) grant non-exclusive, exclusive, or partially exclusive licences for Government owned public funded intellectual property, royalty free or for royalties or other consideration and on such terms and conditions as may be prescribed;

(c) transfer custody and administration, in whole or in part, to any other entity, the right, title or interest in any Government owned public funded intellectual property under section 5;

(d) give directions for prohibiting or restricting the publication of information with respect to any public funded intellectual property or communication of such information to any person or entity which it considers prejudicial to the interest of the security of India.

Explanation.— For the purposes of this section, the expression “interest of security of India” means any action for the security of India that relates to the use of public funded intellectual property for making a product which —

(i) relates to fissionable materials or the materials from which they are derived; or

(ii) relates to the traffic in arms, ammunition and implements of war and to such traffic in other goods and materials as is carried on directly or indirectly for the purpose of supplying to a defence establishment; or

(iii) is taken in time of war or other emergency in international relations;

(e) acquire title to any public funded intellectual property which it considers necessary in the interest of the security of India.

Protection of action taken in good faith.

19. No suit or other legal proceeding shall lie against any person in respect of anything which is in good faith done or intended to be done in pursuance of this Act.

Stoppage of grant and recovery of grant released.

20. Where a recipient fails to fulfil the conditions of the agreement entered into under section 3 and contravenes any of the provisions of sections 3, 4, 5, 6, 7, 8, 10, 11, 12, 14 and 15 the Government shall,—

(a) recover the amount of grant already released with interest at the rate of ten per cent. per annum thereon in such manner as may be prescribed; and

(b) bar such recipient for future grants for those purposes which were subjects of initial funding agreement.

Penalties for failure to discharge duties of intellectual property creator.

21. Whoever, being creator of intellectual property, fails to discharge his duties under section 9 shall,—

(a) not be given his share of income or royalty; and

(b) be punishable with fine which may extend to twenty-five per cent. of the amount of grant received by the recipient for research and development.

Penalty for failure to discharge duties of recipient.

22. Whoever being recipient, contravenes the provisions of sections 3, 4, 5, 6, 7, 8, 10, 11, 12, 14 and 15 shall be punishable with fine which may extend to fifty per cent. of the amount of the grant received by him for research and development under section 3.

Power to remove difficulties.

23. (1) If any difficulty arises in giving effect to the provisions of this Act, the Government may, by order, not inconsistent with the provisions of this Act, remove the difficulty:

Provided that no such order shall be made after the expiry of a period of two years from the commencement of this Act.

(2) Every order made under this section shall be laid, as soon as may be, after it is made, before each House of Parliament.

Power to make rules.

24 (1) The Government may, by notification in the Official Gazette, make rules to carry out the provisions of this Act.

(2) Without prejudice to the generality of the foregoing power, such rules may provide for all or any of the following matters, namely:—

(a) the form and manner in which agreement shall be entered into under sub-section (2) of section 3;

- (b) the conditions under clause (d) of sub-section (3) of section 3;
- (c) form and manner in which the disclosure shall be made under section 4;
- (d) form in which the recipient shall intimate his intention and the limit of time extended under sub-section (1) of section 5;
- (e) the time for the Government authorities to mutually agree to share costs and responsibilities under sub-section (4) of section 5;
- (f) information under clause (c) of section 7;
- (g) form in which the annual statement of accounts shall be made under sub-section (1) of section 14;
- (h) the time at which the accounts together with the audit report shall be forwarded to the Government under sub-section (4) of section 14;
- (i) the form and time in which the annual report shall be prepared under section 15;
- (j) the terms and conditions for grant of licences under clause (b) of section 18;
- (k) the manner of recovery of grant under section 20.

(3) Every rule made under this Act shall be laid, as soon as, may be after it is made, before each House of Parliament while it is in session for a total period of thirty days which may be comprised in one session or in two or more successive sessions, and if, before the expiry of the session in which it is so laid or the session immediately following, both Houses agree in making any modification in the rule or both Houses agree that the rule should not be made, that rule shall, thereafter have effect only in such modified form or be of no effect, as the case may be; so, however, that any such modification or annulment shall be without prejudice to the validity of anything previously done under that rule.

STATEMENT OF OBJECTS AND REASONS

To compete in a global environment, it is necessary for India to innovate and promote creativity. For promoting creativity and innovation, India needs to protect and utilise the intellectual property created out of public funded research and development. Over the years, the Government has invested large funds in research and development. To provide incentives for creativity and innovation, it is necessary to develop a framework in which the protection and utilisation of intellectual property is put in place. The ultimate objective, however, is to ensure access to such innovation by all stakeholders for public good.

2. The proposed legislation imposes obligations and creates rights to optimise the potential of public funded research and development, provides incentive to create intellectual property and the mechanism for its protection and utilisation, encourages innovation in small and medium enterprises, promotes collaboration between Government, private enterprises and non-Government organisations, commercialisation of intellectual property created out of public funded research and development and the culture of innovation in the country.

3. The proposed legislation will enhance awareness about intellectual property issues, especially in universities, academic and research institutions. It will also increase the responsibility of universities, academic and research institutions to encourage students, faculty and scientists to innovate. Such innovations can be utilised for raising financial resources of these establishments, through royalties or income. The income from intellectual property will promote self-reliance and will minimise dependence of universities, academic and research institutions and other recipient organisations for Government funding.

4. The proposed legislation seeks to achieve the above objects.

NEW DELHI;

KAPIL SIBAL.

The 3rd December, 2008.

Notes on clauses

Clause 2 seeks to define various words and expressions used in the Bill.

Clause 3 seeks to provide for a funding agreement between the Government and the recipient before release of grant for research and development.

Clause 4 provides for disclosure of public funded intellectual property within a period specified therein.

Clause 5 seeks to provide for vesting of the title of public funded intellectual property with the recipient or the Government, as the case may be.

Clause 6 seeks to bar public disclosure, publication and exhibition of the public funded intellectual property.

Clause 7 provides for duties of the recipient who retains title to the public funded intellectual property.

Clause 8 provides for the conditions for assignment of the public funded intellectual property by the recipient.

Clause 9 provides for the duties of intellectual property creator.

Clause 10 provides for the constitution of intellectual property management committee and its functions.

Clause 11 provides for sharing of royalties or income arising out of public funded intellectual property between the recipient and the intellectual property creator.

Clause 12 provides for the preference to the domestic industry in manufacturing products using the public funded intellectual property.

Clause 13 seeks to empower the Government to practice or assign any public funded intellectual property to carry out its obligations under International treaty or agreement.

Clause 14 seeks to provide for preparation of accounts and other relevant records by the recipient for its audit by the Comptroller and Auditor-General of India.

Clause 15 provides for preparation of an annual report by the recipient.

Clause 16 provides for dispute settlement in accordance with the provisions of the Arbitration and Conciliation Act, 1996.

Clause 17 seeks to provide exemption to certain intellectual property generated for educational purposes from the purview of this Bill.

Clause 18 provides for duties of the Government in respect of the countries for which intellectual property title vests with it.

Clause 19 provides for protection of action taken in good faith.

Clause 20 seeks to provide for stoppage of grant and its recovery in case of contravention of the provisions of the Bill.

Clause 21 provides for penalties for failure to discharge the duties of intellectual property creator.

Clause 22 provides for penalty for failures to discharge the duties of the recipient.

Clause 23 seeks to empower the Government to remove difficulties in implementation of the Bill.

Clause 24 seeks to empower the Government to make rules to carry out the provisions of the Bill.

MEMORANDUM REGARDING DELEGATED LEGISLATION

Sub-clause (2) of clause 3 of the Bill empowers the Central Government to make rules to provide for the form and manner in which agreement shall be entered into.

Item (d) of sub-clause (3) of clause 3 empowers the Central Government to lay down conditions to be complied by the recipient.

Clause 4 empowers the Central Government to make rules to provide for the form and manner in which the disclosure shall be made.

Sub-clause (1) of clause 5 empowers the Central Government to make rules to provide for the form in which the recipient shall intimate its intention to retain title of the public funded intellectual property with respect to designated countries and the extended limit of time for such intimation.

Sub-clause (4) of clause 5 empowers the Central Government to make rules specifying time to mutually agree to share costs and responsibilities with regard to jointly owned public funded intellectual property.

Sub-clause (c) of clause 7 empowers the Central Government to make rules specifying the information to be furnished, in the report, by the recipient who retains the title to a public funded intellectual property.

Sub-clause (1) of clause 14 empowers the Central Government to make rules to provide for the form for maintenance of accounts and records and preparation of annual statement of accounts.

Sub-clause (4) of clause 14 empowers the Central Government to make rules specifying the time frame for submission of accounts together with audit report to the Government.

Clause 15 empowers the Central Government to make rules to provide for the form and time in which the annual report shall be prepared by the recipient.

Sub-clause (b) of clause 18 empowers the Central Government to make rules with regard to the terms and conditions for grant of licences.

Clause 20 empowers the Central Government to make rules specifying the manner of recovery of grant from the recipient for contravention of the provisions of the Bill.

The matters, for which the rules are to be made, pertain to matters of procedure or administrative detail, and it is not possible to provide for them in the Bill. The delegation of legislative power is, therefore, of normal character.

Subject:
Fwd: Re: URGENT: Furnishing of RTI Information - reg.
To:
Arvind Pandey
Date:
07/13/15 05:22 PM
From:
T S ASWAL

----- Original Message -----

From: "**Director NCESS**" <director.ncess@nic.in>
Date: Jul 7, 2015 4:21:17 PM
Subject: Re: URGENT: Furnishing of RTI Information - reg.
To: Swati Basu <swati.basu@nic.in>

Dear Madam,

Sending herewith the RTI related information as requested.

item: 1 Not applicable to NCESS

Item 2. fund released in the FY 2014-15 is Rs.21,15,34,000

item 3. Not applicable to NCESS

Item 4: Revenue generated from CRZ projects is Rs. 1,01,38,255 (since take over)

Item 5: Not applicable to NCESS

Dr.M. Samsuddin

Director-NCESS

The information received from
Director, NCESS, in r/o RTI info
sought by Ms. Shruhi Kaushik
may be seen for n.a.

[Signature]
14/7/2015

[Signature]
Sh. R. L. Meena

[Signature]
M17

[Signature]
CPIO
(Shri E. Hague)

Scientist-F (PM)
MoES

No. MoES/16/RTI/12-RDEAS
Govt. of India
Ministry of Earth Sciences

Subject: Information sought by Ms. Shruti Kaushik, B-10, Ground Floor, Vishwakarma Colony,
Surajkund Crossing, M.B. Road, New Delhi 110044

Ref. Registration No. MOOCD/R/2015/60082 dated 23/06/2015

Point-wise Reply to the information sought with respect to R&D in Earth and Atmospheric
Sciences as available is as follows :

- (i) Nil Information
- (ii) The programme R&D in Earth and Atmospheric sciences initiated in 2008-09, therefore information for the period 2008-09 to 2014-15 is enclosed.
- (iii) Ministry of Earth Sciences conducts scrutiny of the research projects through Project Appraisal & Monitoring Committees (PAMC) and Technology Research Board (TRB) regarding novelty and the projects are peer-reviewed by a group of experts in the related field. Copy of the order regarding constitution of PAMCs/TRB is enclosed. The committee also checks for overlapping/duplication of the objectives/deliverables and accordingly recommends the proposal.
- (iv) Nil information
- (v) The objective of the programme is solely to encourage research and capacity building in the field of Earth and Atmospheric Sciences through extra-mural funding and therefore does not have any scope for revenue generation through publications. However, the PIs are encouraged to publish their work in reputed journal as one of the outcome of the research project.

Shyla Minhas
(Shyla Minhas)
Scientist-C

~~Scientist-F(PM), MoES~~

RTI wrt " R & D in E & Atmos
Science " only .

Prleim
10/7/15

Sst Adv (SB)

Adman
13/7/2015

CPIQ

752/ADV/15/115
13.7.15

23/Sci.F(PM)/15
13/7/15

Yearwise allocation for Research & Development (Grant-in-aid)

<u>Year</u>		<u>Allocation*</u>	<u>Expenditure (Approx.)</u>
2008-09	-	Rs. 08 cr	100%
2009-10	-	Rs. 13.5 cr	100%
2010-11	-	Rs. 14.0 cr	99.8%
2011-12	-	Rs. 34.2 cr	99.9%
2012-13	-	Rs. 25.2 cr	99.91%
2013-14	-	Rs. 49.25 cr	99.9%
2014-15	-	Rs. 52.16 cr	100%

*Includes grants for intramural funding

Extramural Projects sanctioned for implementation under R&D programme from 2007-08 to 2014-15

Sl. No.	Institute Name	Released Amount (Rs. in lakhs)							
		2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
1	Agarkar Institute, Pune								2.27
2	Amity University, NOIDA Uttar Pradesh			37.00		5.94			
3	Amrita Vishwa Vidyapeetham (Amrita Univ., Kerala)							236.20	
4	Andhra University								13.73
5	Ashoka Trust For Research, Bangalore								25.23
6	Assam University Dibrugarh University								24.70
7	Bhavnagar University							0.31	49.47
8	BHU, Varanasi					20.91		24.07	22.65
9	BITS Ranchi					32.74			
10	BITS, Goa							4.46	
11	BOSE Instt., Kolkata							7.91	0.52
12	CDAC Pune					152.09			7.56
13	Center for earth Science Studies, Trivandrum					228.21			
14	Centre for Atmospheric Sciences, IIT, Delhi			15.81		0.84			6.27
15	Centre for Ocean & Environmental Studies, New delhi								7.80
16	CEPT University, Ahmedabad Gujarat				35.25	30.19		30.00	
17	Civil Engg, NIT Silchar, Assam				16.84				
18	CMFRI, Kochi								32.80
19	CSIR (NMITLI), New Delhi	650.00	404.88		374.81	150.90			
20	CSMCRI, Bhavnagar								7.72
21	CUSAT, Kochi								10.50
22	Deptt. Of Geology, IIT, Kharagpur								64.90
23	Deptt. Of marine science, Bharathidasan University								21.04

24	Dr. A.V.Ganesha Ghousia College of Engg., Karnataka								9.65
25	Foundation for ecological research, Pondicherry								10.34
26	G.S. science College, Belgaum								1.60
27	Gujarat Ecology Society								26.91
28	Gujarat National Law University, Gandinagar, Gujarat						6.76		
29	Gujarat Univ								33.25
30	ICCSIR								10.49
31	IISc., Bangalore	28.30		686.60	14.96	199.91	0.00	47.82	125.29
32	IISER Bhopal Madhya Pradesh			41.82			11.37		7.15
33	IISER, Kolkata					363.65		25.00	223.95
34	IIST Trivandrum					53.70			3.03
35	IIT Bombay							48.84	138.11
36	IIT Delhi		90.00	50.00	200.00	129.86			70.35
37	IIT Hyderabad								7.71
38	IIT Kanpur Uttar Pradesh			91.30		70.46	22.22	17.01	88.89
39	IIT, Gandhinagar						150.00		
40	IIT, Guwahati								4.60
41	IIT, Kharagpur West Bengal				256.71	108.79	0.00	122.52	136.52
42	IIT, Madras							153.45	178.11
43	IIT, Roorkee				40.93			25.24	18.96
44	Indian Institute of Space Physics, Kolkata					52.78		14.50	49.25
45	Indian Instt. Of Chemical Tech., hyderabad								12.78
46	Instt. Of Wood Science & Technology, Bangalore								0.23
47	Inter-University Accelerator (IUAC)					679.52		940.00	
48	IRADE, New Delhi						15.72		18.18
49	ISM, Dhanbad								81.96

50	Jadavpur University, Kolkatta					13.91	4.77	35.95	3.01
51	Jamia Milia Islamia								8.05
52	JNT University, Hyderabad								15.88
53	Loyola College							5.89	
54	M.K. Univ. of Baroda								25.06
55	Mangalore University							8.35	
56	Maulana Azad National Instt. Of Technology, Bhopal							5.05	
57	MS Swaminathan Research Foundation Chennai					23.41			
58	National Centre for Biological Sciences								6.53
59	National Environmental Engineering Research Institute, a constituent of CSIR							9.95	
60	National Institute of Advanced Studies, IISc. Bangalore					50.00	32.85	48.54	42.66
61	National Physical Laboratory Delhi					10.53			
62	NCAER, New Delhi, Delhi				49.00	24.60	16.40	30.50	
63	NCSCM under M/o Env. & Forests								44.10
64	NEERI, Nagpur								5.00
65	NGRI, Hyderabad							7.24	49.17
66	NIH Roorke								10.61
67	NIO, Goa			27.77	0.69	52.96			75.35
68	NIT Hamirpur								4.00
69	NIT-Kurukshetra								4.00
70	Pachaiyappa's College, Chennai								13.19
71	PES's SRSN College, Goa							2.59	
72	Pondicherry University								4.17
73	Presidency University, Kolkata							4.00	
74	S.N.BOSE , kolkata							81.95	
75	SAMEER, Mumbai						287.64		177.21
76	Saurashtra Univ.								8.43

77	School of Biosciences & Tech, VIT University, Vellore								4.28
78	School of Biotechnology, VIT University, Vellore							16.00	
79	Sri Paramkalyani College, T.N							8.56	
80	St. Xavier College (Autonomous) Palayamkottai, Tamil Nadu							5.00	
81	Tezpur University, Assam				59.69		1.35	4.08	
82	University of Hyderabad								6.23
83	University of Kashmir					33.76		9.50	
84	University of Pune					13.39			11.93
85	Wadia Institute Dehradun							89.68	44.22
86	WADIA INSTITUTE OF HIMALAYAN GEOLOGY							4.00	

OFFICE MEMORANDUM

Subject: Constitution of Project Appraisal and Monitoring Committees

In order to improve the understanding of Earth Science and improve forecast of weather, climate and hazards, it is essential to holistically address various aspects related to ocean, atmosphere, cryo-sphere, geo-sphere and bio-sphere processes. This can be achieved through complementing the programs of the Earth System Science Organization (ESSO) with Research and Development capabilities existing in various academic institutes of the country and formulating mechanism to translate the same into practical use. For this the ESSO supports proposals involving capacity building through initiation of academic programmes and establishment of Chairs, indigenous development through joint collaborative programs, focused research, national and international collaboration in the field of Earth Sciences, establishment of specialized labs as National facilities. These are funded as per the prescribed procedure formulated for Review, Monitoring and Completion (RMC) of project proposals. In order to have a more robust review mechanism for review of proposals prior to financial support, the Chairman, ESSO has constituted four **Project Appraisal and Monitoring Committees (PAMCs)**.

2. The composition, terms of reference, responsibilities of Member-secretary and the tenure of the PAMCs are as follows:

A. Composition

The compositions of the PAMCs are annexed as follows:

- | | | |
|--|---|--------------|
| i) Atmospheric Science including Climate Science | - | Annexure I |
| ii) Geoscience | - | Annexure II |
| iii) Ocean Science & Resources | - | Annexure III |
| (iv) Hydrology & Cryosphere | - | Annexure IV |

B. Terms of Reference

(i) New proposals

- To pre-appraise all the proposals received during a period of 6 months (whether the objectives are in National Interest and are in line with the mandate of the Ministry, ruling out any duplication of work, adequacy of the core competence of the Institute proposing the project, budget of the proposal, whether Principal Investigator (PI) requires support from the constituent Units of ESSO to give targeted deliverables, whether the deliverables can be translated into operational use by ESSO)
- To peer-review the shortlisted proposals as per the prescribed format.
- To provide guidance to PI for improvement of proposal, if required
- To recommend the proposals to ESSO for consideration for funding or for subsequent review as per the RMC procedure (enclosed as Annexure V)
- To identify the experts for 2nd / 3rd stage review
- To identify gap areas in the current research and encourage proposal in the identified areas/issues

(ii) Ongoing projects

- To monitor & review the progress of the funded projects at various stages of implementation and recommend course correction for ensuring deliverables
- To recommend subsequent release of funds based on the progress of the project.
- To evaluate the achievements of the completed projects vis-à-vis their objectives.

(iii) Any other work related to implementation of approved projects

- (iv) The PAMC will meet atleast once in six months for pre-appraisal/appraisal of new projects and review of ongoing projects depending upon the number of projects received. An Apex Body under the Chairmanship of Secretary, MoES will steer the activities of the PAMC.

C. Responsibilities of Member-Secretary

- (i) To co-ordinate with the Chair and members of the committee regarding
 - o pre-appraisal/appraisal of the new proposals received
 - o review and monitoring of on-going proposals
- (ii) To convene the PAMC meeting/preparation and approval of the minutes/preparation of action taken report on the last meeting
- (iii) To implement the decision of the PAMC
- (iv) To organize subsequent review as per PAMC recommendations
- (v) To process for approval of the recommended projects for funding
- (vi) To process for sanctioning of the approved projects and release of fund
- (vii) To update details of all sanctioned projects on Ministry's website on quarterly basis
- (viii) To invite proposal on gap areas/issues/problems identified (if any) by PAMC
- (ix) Overall coordination with PAMC members and Chair
- (x) Any other work as assigned by PAMC Chair.

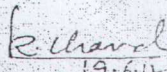
D. Tenure of PAMC

Tenure of the Committees will be for plan period duration (5 years).

E. TA/DA

TA/DA/sitting fee to non-official members as per GOI rules.

3. This issues with the approval of Competent Authority vide diary no. 146/Secy/12 dated 15/06/2012.


* (Kailash Chand)

Under Secretary to the Govt. of India

To

The Chairperson & Members of PAMC as per Annexures

Copy to: PPS to Secretary, MoES

Project Appraisal & Monitoring Committee for Atmospheric Science
including Climate Science (PAMC – Atmospheric Sciences)

- | | |
|---|------------------|
| 1. Prof J Srinivasan
Centre for Atmospheric & Oceanic Sciences,
Indian Institute of Science, Bangalore-560012 | Chairperson |
| 2. Dr. K.Krishnamoorthy,
Space Physics Laboratory (SPL),
Vikram Sarabhai Space Centre, Thiruvananthapuram | Member |
| 3. Prof. U.C. Mohanty,
Centre for Atmospheric Sciences
Indian Institute of Technology Delhi | Member |
| 4. Prof. M.M. Sarin,
Physical Research Laboratory,
Ahmedabad | Member |
| 5. Prof. Chandra Venkataraman,
Dept. of Chemical Engineering
Indian Institute of Technology Bombay | Member |
| 6. Dr. P.K. Pal,
Space Application Centre (ISRO),
Ahmedabad | Member |
| 7. Prof. S.K. Satheesh,
Center for Atmospheric & Oceanic Science,
Indian Institute of Science, Bangalore | Member |
| 8. Prof. K Mohan Kumar,
Department of Atmospheric Sciences
Cochin University of Science & Technology, Kochi | Member |
| 9. Dr. P. Pradeep Kumar,
Department of Atmospheric & Space Sciences
University of Pune, Pune | Member |
| 10. Dr. S.K. Sarkar,
Radio and Atmospheric Sciences Division
National Physical Laboratory, New Delhi | Member |
| 11. Dr. R. Krishnan,
Indian Institute of Tropical Meteorology, Pune | Member |
| 12. Dr. Parvinder Maini,
Scientist-F, MoES | Member-Secretary |

Any other member co-opted by the chair

R. Krishnan
19.6.12

**Project Appraisal & Monitoring Committee for Geoscience
(PAMC- Geoscience)**

- | | |
|--|------------------|
| 1. Prof. Ashok Singhvi
Physical Research Laboratory
Ahmedabad | Chairperson |
| 2. Dr. Mrinal Sen,
Director
National Geophysical Research Institute,
Hyderabad | Member |
| 3. Dr. Ashok Sahni,
Professor Emeritus
Department of Geology,
Lucknow University | Member |
| 4. Prof. Talat Ahmad,
Vice Chancellor
University of Kashmir | Member |
| 5. Prof. Somnath Dasgupta,
Dean Research & Development
Indian Institute of Science Education & Research, Kolkata | Member |
| 6. Dr. Prakash Chauhan,
Space Applications Centre (ISRO)
Ahmedabad | Member |
| 7. Dr. O.P. Mishra,
Director/Officer-in-Charge
SAARC Disaster Management Centre
New Delhi | Member |
| 8. Prof. R.P Gupta
Dept. of Earth Sciences
Indian Institute of Technology, Roorkee | Member |
| 9. Prof. Hema Achyuthan,
Dept. of Geology
Anna University Chennai | Member |
| 10. Dr. Malay Mukul,
Associate Professor, Dept. of Earth Sciences
Indian Institute of Technology Bombay | Member |
| 11. Dr. Pradeep Srivastava,
Wadia Institute of Himalayan Geology,
Dehradun | Member |
| 12. Dr. Sumer Chopra,
Scientist-E, MoES | Member-Secretary |

Any other member co-opted by the chair

Richard
19.6.11

Project Appraisal & Monitoring Committee for Ocean Science & Resources (PAMC- Ocean Science)

- | | |
|--|------------------|
| 1. Prof. S. Krishnaswami,
Planetary and Geosciences Division,
Physical Research Lab., Ahmedabad | Chairperson |
| 2. Dr. S.R. Shetye,
Director
National Institute of Oceanography, Goa | Member |
| 3. Prof. P. Rajendra Prasad,
Department of Geophysics,
Andhra University, Visakhapatnam | Member |
| 4. Dr. M. Dileep Kumar,
Scientist-G, Chemical Oceanography Division
National Institute of Oceanography, Goa | Member |
| 5. Dr. CVK Prasada Rao,
Scientist G,
Naval Physical & Oceanographic Laboratory(NPOL),
Thrikkakara P.O., Kochi | Member |
| 6. Dr. Raj Kumar,
Space Application Centre, ISRO
Ahmedabad | Member |
| 7. Dr. N.P. Kurian,
Director
Centre for Earth Science Studies, Trivandrum | Member |
| 8. Dr. T. Balasubramanian,
Dean & Director, Faculty of Marine Sciences,
Annamalai University, Parangipettai | Member |
| 9. Prof. A.D.Rao,
Centre for Atmospheric Sciences,
Indian Institute of Technology Delhi | Member |
| 10. Prof. Deepti Deobagkar,
Director, Bioinformatics Centre
University of Pune | Member |
| 11. Prof. Anindya Sarkar,
Department of Geology and Geophysics
Indian Institute of Technology Kharagpur | Member |
| 12. Dr. K. Somasunder,
Scientist-F, MoES | Member-Secretary |

Any other member co-opted by the chair

R. Kumar
19.6.12

Project Appraisal & Monitoring Committee for Hydrology & Cryosphere (PAMC- Hydrology&Cryosphere)

- | | |
|--|------------------|
| 1. Prof. V.K. Gaur,
Emeritus Professor,
CMMACS, Bangalore | Chairperson |
| 2. Dr. Sharad K. Jain,
Scientist F
National Institute of Hydrology, Roorkee | Member |
| 3. Prof. Anil Kulkarni,
Distinguished Visiting Scientist, CAOS
Indian Institute of Science, Bangalore | Member |
| 4. Dr. P. P. Mujumdar,
Dept. Of Civil Engineering
Indian Institute of Science, Bangalore | Member |
| 5. Dr. V. Bhanumurthy
Head, Water Resources Division
National Remote Sensing Agency, Hyderabad | Member |
| 6. Prof. Indu Mehrotra,
Dept. of Civil Engineering
Indian Institute of Technology Roorkee | Member |
| 7. Shri Rasik Ravindra,
Director
National Centre for Antarctic & Ocean Research | Member |
| 8. Dr. R.K. Srinivasan,
Dept. Of Civil Engineering
Indian Institute of Technology Madras | Member |
| 9. Dr. Ravi Nanjundiah,
Center for Atmospheric & Ocean Sciences (CAOS),
Indian Institute of Science, Bangalore | Member |
| 10. Dr. Sekhar Muddu,
Dept. Of Civil Engineering
Indian Institute of Science(IISc), Bangalore | Member |
| 11. Prof. Rajesh Srivastava,
Dept. Of Civil Engineering
Indian Institute of Technology Kanpur | Member |
| 12. Dr. Vijay Kumar,
Scientist-F, MoES | Member-Secretary |

Any other member co-opted by the chair

B. Kumar
19.6.12

Procedures for
Project Review, Monitoring and
Completion (RMC)

R & D in Earth & Atmospheric Sciences
(Extra-Mural funding)

Project Submission

Points for Consideration before submission

- Proposals can be submitted at anytime of the year. But funding will be released only twice a year. 1st year funding will be released soon after the approval of the competent authority and subsequent years' funds will be released only after the receipt of Utilisation Certificate (UC), Statement of Expenditure (SoE) and Annual Progress Report (APR).
- Number of projects with the PI should not exceed 2. Fresh research proposals can be considered only when the on-going research proposals are about to conclude.

Guidelines for Submission of Proposal

- Proposals should be submitted in the prescribed format.
- The manpower to be recruited should be as per MoES rules.
- A short write up about the deliverables and how they are going to help in augmenting the mandate of ESSO.
- International travel is normally not permitted.
- An undertaking that idle capacity of the permanent equipment procured under the Project will be made available to other users of the host Institute or nearby Institutes.

Committee for pre-appraisal, appraisal, review and monitoring

The following 4 committees are constituted for pre-appraisal and appraisal of the proposals received by the Ministry and will have a tenure of 5 years :

Project Appraisal and Monitoring Committee (PAMC) for

- (i) Atmospheric Science including Climate Science(PAMC-Atmospheric Science)
- (ii) Geoscience (PAMC-Geoscience)
- (iii) Ocean Science & Resources (PAMC-Ocean Science)
- (iv) Hydrology & Cryosphere (PAMC-Hydrology & Cryosphere)

Terms of Reference

(i) New proposals

- Pre-appraisal of all the proposals received during a period of 6 months (whether the objectives are in National Interest and are in line with the mandate of the Ministry, ruling out any duplication of work, adequacy of the core competence of the Institute proposing the project, budget of the proposal, whether PI requires support from the constituent Units of ESSO to give targeted deliverables, whether the deliverables can be translated into operational use by ESSO)
- Review the shortlisted proposals as per the prescribed format.
- Recommend the proposals to ESSO for consideration for funding / or subsequent review as per the RMC procedure outlined below.

(ii) Ongoing projects

- Monitor & review the progress of the funded projects at various stages of implementation and recommend course correction for ensuring deliverables
- Recommend subsequent release of funds based on the progress of the project

- Evaluation of the achievements of the completed projects vis-à-vis their objectives.

(iii) The PAMC will meet atleast once in six months for pre-appraisal/appraisal of new projects and review of ongoing projects depending on number of proposals.

Composition of the committee:

Chairman : Subject Expert Scientist H/G level
 Experts : 10 subject expert
 Member Secretary: Program Officer/ Scientist Incharge

RMC Procedure

Steps for pre-appraisal/appraisal of projects

I. Step 1: Pre-appraisal

- All proposals received within a duration of six months will be subjected to pre-appraisal/appraisal by the PAMC as per Terms of Reference mentioned above.
- Proposals rejected by PAMC will be returned to the PI

II. Step 2: Project Review

(a) For Projects < 1 crore

- Shortlisted proposals at Step-I will be reviewed by the concerned PAMC as per the prescribed format.
- Re-submission of revised proposal may be entertained only if atleast three of the Experts of the PAMC on subject area has given an overall rating of 6 or more.
- The revised proposal should be re-submitted within a month otherwise it may be treated as a new proposal.
- PAMC may recommend the revised proposal for funding to ESSO after its review.

(b) For Projects > 1 crore and < 5 crores -- Involves 2 steps or 3 steps as per the recommendation of PAMC (depending upon the type of proposal)

i. Peer Review

As per the steps in (a) above

ii Presentation before a committee of experts

The committee will have the following constitution as per the recommendation of the PAMC and approval of competent authority

Chairman - Chairman ESSO/Secretary MoES
 Experts - 2 to 3 subject experts as identified by PAMC
 Invited Members - Scientific Secretary
 Program Head
 Scientist from ESSO
 Member Secretary - Programme Officer/ scientist incharge
 Any other member co-opted by the Chair

(c) For Projects > 5 crores* -- Involves 3 steps

**This generally involves infrastructure development support for initiation of academic programmes.*

i. Peer review

As per the steps in (a) above

ii. On the spot assessment by team of experts

The Committee should have the following constitution

Chairman :	Scientist H level
Experts:	2 experts in the field from Universities/ Institutes
Member Secretary:	Programme Officer/ scientist incharge

iii. Presentation before a committee of experts

The committee will have the following constitution

Chairman	-	Chairman ESSO/ Secretary, MoES
Experts	-	2 to 3 subject experts
Invited Members	-	Scientific Secretary Program Head Scientist from ESSO

Member Secretary – Programme Officer/ scientist incharge

Any other member co-opted by the Chair

(d) For National Coordinated projects

An appropriate committee to be set-up by the competent authority in consultation with the PAMC

- i. **Terms of reference** (this includes preparation of science plans, implementation plan, review of research proposals from participating institutes, recommend the appropriate proposal, monitor the progress, consolidating the research findings)
- ii. **Tenure of the committee**
- iii. **Any other at the discretion of Chairman ESSO**

III. Step 3: Project Sanction

After successful completion of Step 1 & Step 2, project should be awarded and sanction should be initiated after due approval of Secretary MoES and concurrence of IFD.

IV. Project Monitoring

The PAMC will monitor the progress of the awarded proposals based on the progress report submitted by the implementing institute and as per the Terms of reference of the PAMC mentioned above.

The Annual Progress Report (APR) of the proposals awarded should reach the Program Office after completion of each year of the proposal .

- The APR should contain the following
 - Title of the project
 - Name of the PI/Co-PI
 - Name of JRF/SRF/RA recruited under the project
 - Duration of the project
 - Date of Sanction & No:
 - Date of Completion

- Total Project Cost
 - Total Expenditure
 - Unspent Balance
 - Equipment sanctioned and purchased
 - Sanctioned manpower and recruited (*one page biodata of the JRF/SRF/RA to be enclosed*)
 - Summary of progress made so far against objectives (*only salient features*)
 - Significant Achievements/ Deliverables : in terms of human resource development; patent; innovation; skill upgradation; publications etc
 - Work remaining to be done under the project
 - Two hard copies of the Annual Progress Report (APR) and one soft copy of the proposals awarded should be sent along with UC/SE in the prescribed format.
- P.S. It is the prerogative of the Ministry to call for a presentation of the work done thus far before an Expert Committee approved by the competent authority.

V. Step 5: Mid term Review and Course Correction

- Proposals depending on their deliverables/ total budget may be reviewed at mid term to review the progress made and offer any course correction by PAMC of subject area.
- The PAMC will submit its report to Chairman ESSO regarding its view and whether the project requires mid-course correction.

VI. Step 6: Project Completion Report

- Three copies of the Project Completion Report(PCR) should reach the Office within 3 months of the completion of the project
- PI to present the deliverables of the project before PAMC who will assess the achievements vis-a-vis the objectives.
- The PAMC will present its report to Chairman, ESSO and also recommend whether the outcome of the project can be utilized in the activities of the Ministry.

The PCR should have the following format

- Title of the project
- Name of the PI/Co-PI
- Implementing Institute
- Other Collaborating Institutes
- Acknowledgements (Financial help from MoES to be duly acknowledged)
- Date of Sanction & No:
- Duration of Project
- Probable date of completion (PDC)
 - Original :
 - (as per sanction letter)
 - Revised (if applicable):
 - (give details of all revisions to date along with reasons for delay separately for each revision)
- Name of JRF/SRF/RA recruited under the project
- Duration of the project
- Total Project Cost
- Total Expenditure
- Index/table of contents
- Executive Summary

- Introduction
- Review of literature & rationale for study
- Aims & Objectives (Objectives as approved/Deviation made from original objectives if any, while implementing the project and reasons thereof).
- Methodology (Giving full details of study design, methods adopted, data collected supported).
- Summary of the result (Detailed analysis of results indicating contributions made towards increasing the state of knowledge in the subject).
- Achievements and how the deliverables have contributed in the overall programmes of the Ministry
- Scope for future
- Publication of results/presentation of papers
- Abstract in 300 words for possible publication on MoES Newsletter/Website.
- Acknowledge funding

Name and signature with date

_____ (Principal Investigator)

_____ (Co-Investigator)

Dated: 05.02.2013

OFFICE MEMORANDUM

Subject: Constitution of Technology Research Board for Earth System Science Technology (TRB-ESS).

In continuation of this Ministry's OM No. MoES/16/11/10-RDEAS dated 19th June 2012 regarding constitution of Project Appraisal and Monitoring Committees, the approval of the competent authority is hereby conveyed for the constitution of Technology Research Board in Earth System Science Technology for pre-appraisal and review of proposals received for extra-mural funding in the thrust area of Earth System Technology.

2. The composition, terms of reference, responsibilities of Member-Secretary and tenure of Technology Research Board in Earth System Science Technology (TRB-ESS) shall be as follows:

A. Composition

- | | |
|--|------------------|
| i. Dr. P.S.Goel, Ex-Secy. and Prof. M.G.K. Menon DRDO Chair & Honorary Distinguished Professor, ISRO | Chairman |
| ii. Dr. Pawan Kapur, Ex-Director, CSIO, Chandigarh | Member |
| iii. Prof. D.Sen, IIT Kharagpur | Member |
| iv. Prof. P.R. Mahapatra, IISc, Bangalore | Member |
| v. Dr. Atmanand, Director, NIOT | Member |
| vi. Dr. M.P.Wakdikar, Scientist-G, MoES | Member-Secretary |

B. Terms of reference

- Identify emerging and innovative science and technology issues related to ocean, atmosphere and geo-sciences;
- To explore the scientific and technical talent in the country and their possible utilization;
- Invite proposals for extra-mural funding to fill the gap through identified technological issues;
- Pre-appraisal of all proposals received;
- Monitor and review the output and deliverables;
- Recommend the proposals for consideration for funding to the Apex Committee;
- Facilitate possible linkages of the output of these proposals into the technology programmes of the Earth System Science Organisation (ESSO);
- To provide strategic advice to the Ministry regarding emerging Earth Science Technology issues and trends;
- Any other function as may be assigned by Chairman ESSO/Secretary MoES;
- Chairman may co-opt any engineer/expert to address specific issues.

C. Responsibilities of Member-Secretary

- (i) To invite proposals for extra-mural funding on gap areas identified by Technology Research Board (TRB);
- (ii) To co-ordinate with the Chair and members of the committee regarding pre-appraisal/appraisal of the new proposals received;
- (iii) To convene the TRB meeting/prepare and approval of the minutes/prepare action taken report on the last meeting;
- (iv) To implement the decision of the TRB;
- (v) To organize subsequent review as per TRB recommendations;
- (vi) To process for approval of the recommended projects for funding ;
- (vii) To process for sanctioning of the approved projects and release of fund;
- (viii) To successfully implement the approved projects;
- (ix) To up load information of all sanctioned projects on Ministry's website;
- (x) Overall coordination with TRB members and Chairman;
- (xi) Any other work as assigned by the Chairman.

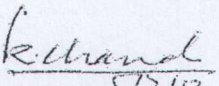
3. Tenure

- The tenure of the Board will be for XII plan period duration (5 years).
- The TRB-ESS will meet atleast twice a year, or as and when needed by Chairman.

4. TA/DA

- TRB would operate from MoES, Delhi and logistics would be provided by MoES.
- TA/DA/Sitting Fee to non-official members will be as per GOI rules.

5. This issues with the approval of Secretary, MoES vide diary No. 734/Secy/13 dated 30/01/2013.

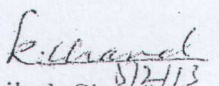

(Kailash Chand) 5/2/13

Under secretary to the Govt. of India

To

The Chairman & Members of TRB-ESS

Copy to: AS&FA/Adv(SKD)/JS(ES)/Adv(SB)/Sct-F(PM)/Dir(F)/PPS to Secretary, MoES


(Kailash Chand) 5/2/13

Under secretary to the Govt. of India

भारत सरकार
GOVERNMENT OF INDIA
पृथ्वी विज्ञान मंत्रालय
MINISTRY OF EARTH SCIENCES
पृथ्वी भवन, लोदी रोड, नई दिल्ली -110003
Prithvi Bhavan, Lodhi Road, New Delhi-110003

156
FAX : 91-11-24629779
PHONE :

संख्या
No. _____

नई दिल्ली-110003
New Delhi-110003 _____

MoES/60/TRB/2013 – PC –II


Dated 18/04/2013.

OFFICE MEMORANDUM

Subject : Constitution of Technology Research Board for Earth System Science Technology (TRB-ESS).

In continuation of this Ministry's OM. No.MoES/16/11/10-REDAS dated 05.02.2013 regarding constitution of Project Appraisal and Monitoring Committees, the approval of the competent authority is hereby conveyed for the nomination of Dr. Rasik Ravindra, Panniker Chair, MoES as Member of Technology Research Board.

2. Others terms of reference remains the same.
3. This issues with the approval of Secretary, MoES, vide Diary No. 49/Secy/13 dated 10/4/2013.


(B.K. Thakur)
Sc. 'B'

Tel. No. 24669535

Copy to :

1. Dr. P.S.Goel, Former Secretary, MoEs . and Prof. M.G.K.Menon, DRDO Chair & Honorary Distinguished Professor, ISRO.
2. Dr. Pawan Kapur, Former Director, CSIO, Chandigarh.
3. Prof. D. Sen, IIT Kharagpur.
4. Prof. P.R.Mahapatra, II Sc, Bangalore.
5. Dr. Atmanand, Director, NIOT, Chennai.
6. Dr. M.P. Wakdikar, Scientist-G, MoES, New Delhi.
7. Dr. Rasik Ravindra, Panniker Chair, MoES.

Copy for information to :

1. Dr. Swati Basu, Scientist –G, MoES.
2. Dr.Parvinder Maini, Scientist –F, MoES.
3. Sr. P.P.S. to Secretary, MoES.
4. Shri Gopal Krishnan, P.A. to Director, NIOT.

Subject:
[Fwd: Re: [Fwd: URGENT: Furnishing of RTI Information - reg.]]
To:
Arvind.p@nic.in
Cc:
swati.basu@nic.in
Date:
07/07/15 11:36 AM
From:
Dr. E. N. Rajagopal
RTI-reply-06july2015... (16kB)

Arvind,

Pl. find attached the RTI related information required by MoES for further
NA.

Regards,

Rajagopal

> Subject: URGENT: Furnishing of RTI Information - reg.
> From: "Swati Basu" <swati.basu@nic.in>
> Date: Mon, July 6, 2015 1:15 pm
> To: rks@nic.in
> kj.ramesh@nic.in
> m.sudhakar@nic.in
> bansalbk@nic.in
> mpw-dod@nic.in
> soma-dod@nic.in
> parvinder.maini@moes.gov.in
> dgmmt@gmail.com
> director@niot.res.in
> mravi@ncaor.gov.in
> director@incois.gov.in
> rajeevan@tropmet.res.in
> rajagopal@ncmrwf.gov.in
> director.ncess@nic.in

> director@cmlre.gov.in
> Cc: "Arvind Pandey" <Arvind.p@nic.in>

> -----

Dear All

> Please see the attachment for providing RTI related information by 10th
July 2015 positively.

> regards

> swati basu

> -----

Dr. Swati Basu

> Adviser ,Ministry of Earth Sciences

> &

> Scientific Secretary, Earth System Science Organization

> Room No. 111, Prithvi Bhavan

> Lodhi Road 110003

> Tel : 011-24669514; Fax: 011-24669577

> swati.basu@nic.in

1. Does Ministry of Earth Sciences has any Intellectual Property (IP) Policy. If yes then kindly provide us the complete document(s).

NCMRWF does not have any separate policy.

2. Kindly provide us the details of total funds allocated for Research and Development over last 10 years(2005-2015). Also provide us year wise and amount wise details of Institute/ Organizations funded by your office over said period.

YEAR	Funds allocated for R & D	Institute/Organizations funded by NCMRWF
2005-2006	Nil	Nil
2006-2007	Nil	Nil
2007-2008	Nil	Nil
2008-2009	Nil	Nil
2009-2010	Nil	Nil
2010-2011	Nil	Nil
2011-2012	Nil	Nil
2012-2013	Nil	Nil
2013-2014	Nil	Nil
2013-2014	Nil	Nil

3. Whether Ministry of Earth Sciences conducts or requires any scrutiny on proposed research project(s) regarding novelty, before assigning it to any laboratories/researchers/ scientists.

Not Applicable.

4. Kindly provide details of revenue generated from technology transfer or Licensing of Research outcomes (if any) including those where the fund for the research was allocated by your Organization.

Nil.

5. Is there any procedure for sharing of revenue generated through publication of research work/papers between Ministry of Earth Sciences and the various journals? Kindly provide the document(s) detailing the revenue generated/shared so far from the journal publication over last 10 years (2005-2015).

Nil.

Subject:

Re: Input sought for RTI filed by Ms. Shruti Kaushik - reg.

To:

Arvind.p@nic.in

Cc:

Rajeevan

Date:

07/08/15 03:24 PM

From:

Supriyo Chakraborty

RTI-Reply-2-Ms-Kaush... (293kB)

Dear Sir,

This is in reference to the below mentioned mail regarding an RTI application sent by Ms. Koushik to MoES which was forwarded to us for necessary action. I hereby provide you the answers to her queries pertaining to the IITM in the enclosed attachment.

A hard copy reply is being sent to the applicant as well as to Dr. Swati Basu.

With best regards,

Sincerely,

S. Chakraborty, Sci-E and CPIO, IITM



भारतीय उष्णदेशीय मौसम विज्ञान संस्थान INDIAN INSTITUTE OF TROPICAL METEOROLOGY

(पृथ्वी विज्ञान मंत्रालय, भारत सरकार का एक स्वायत्त संस्थान)

(An Autonomous Institute of the Ministry of Earth Sciences, Govt. of India)

सं / No.

RTI/15-16/05

दिनांक / Date :

8 July 2015

Ms. Shruti Kaushik
B-10 Ground Floor
Vishwakarma Colony
Surajkund Crossing
M.B. Raod, New Delhi - 110044

Ref: Please refer to your applications dated 23/06/2015 to the Ministry of Earth Sciences, Govt. of India, New Delhi seeking information under the RTI Act-2005.

Dear Ms. Kaushik,

Please refer to your RTI application dated 23/06/015 which was forwarded by the Ministry of Earth Science, New Delhi to this office received on 3/7/2015 pertaining to the following questions.

Query-1: "Does Ministry of Earth Sciences has any Intellectual Property (IP) Policy; if yes, then kindly send us the complete document(s)".

Ans: IITM does not have any IP Policy.

Query-2: "Kindly provide us with details of total funds allocated for Research and Development over last 10 years (2005-2015). Also provide us year wise and amount wise details of Institute/Organizations funded by your office over said period"

Ans: The year wise and amount wise details of the total funds allocated for Research and Developments over the last 10 years (2005-2015) provided to IITM is as follows. The funds allocated includes the amount for extramural projects (Monsoon Mission, Fluxnet Project etc.).

Sr. No.	Year	Funds allocated (₹)
1	2005-06	8,90,37,227.73
2	2006-07	9,87,50,304.71
3	2007-08	11,37,82,746.01
4	2008-09	51,92,00,000.00
5	2009-10	98,71,61,123.00
6	2010-11	117,24,00,000.00
7	2011-12	100,84,000,00.00
8	2012-13	123,54,000,00.00
9	2013-14	228,93,20,000.00
10	2014-15	176,91,000,00.00

Query-3: Whether Ministry of Earth Sciences conducts or requires any scrutiny of proposed research project(s) regarding novelty before assigning it to any laboratory/researchers/scientist. That is, do you check if the research has already been undertaken by some other person/organization anywhere in the world before allocation, if yes, please provide the document(s) with detailed information of the process of such scrutiny.

Ans: The research project(s) funded by IITM through extramural funding are evaluated/reviewed by Advisory Committee(s) and/or experts in the related fields. Based on the recommendations funding is provided.



भारतीय उष्णदेशीय मौसम विज्ञान संस्थान INDIAN INSTITUTE OF TROPICAL METEOROLOGY

(पृथ्वी विज्ञान मंत्रालय, भारत सरकार का एक स्वायत्त संस्थान)

(An Autonomous Institute of the Ministry of Earth Sciences, Govt. of India)

सं / No.

दिनांक / Date :

Query-4 Kindly provide details of revenue generated from technology transfers or Licensing of Research outcomes (if any), including those where the fund for the research was allocated by your Organization.

Ans: Not applicable for IITM.

Query-5: Is there any procedure for sharing of revenue generated through publication of research work/papers between Ministry of Earth Sciences and the various Journals. Kindly provide the document(s) detailing the revenue generated/shared so far from the journal publications over last 10 years (2005-2015).

Ans: Not applicable for IITM.

In case you intend to prefer an appeal, as per Section 19 of the Right to Information Act, 2005, you may do so to the following Appellate Authority, within 30 days of the receipt of this letter.

Dr. M. Rajeevan, Director, IITM

Dr. Homi Bhabha Road, Pashan, Pune-411008

Sincerely,

S. Chakraborty, Sci-E and CPIO

CC:

Dr. Swati Basu, Advisor & Scientific Secretary (ESSO)
Ministry of Earth Sciences
Prithvi Bhawan, Lodi Road
New Delhi-110003