

RAC, MANAGEMENT COMMITTEE, IRC MEETINGS

10

RESEARCH ADVISORY COMMITTEE

RAC Members for a period 30.03.2011 to 29.03.2014

1	Dr. S.R. Singh, Ex-VC, RAU PUSA, Bihar, H. No. 561, Sector-2, Udyan-II, ELDECO Colony, Rae Bareilly Road, Lucknow - 226025 (U.P.)	Chairman
2	Dr. M.M. Aggarwal, Ex-Vice Chancellor, CSAUA&T, Kanpur, H. No. 106, New Civil Lines, Vinayakpur, Kanpur - 208024 (U.P.)	Member
3	Dr. R.S. Narang, Retd. Prof. of Agronomy, H.No. 140-D, Kichlu Nagar, Ludhiana (Punjab)	Member
4	Dr. H. N. Verma, Ex-Director, WTCER, H. No. 208, Sector-10, Gurgaon - 122001 (Haryana)	Member
5	Dr. I.D. Tyagi, T-206, Vasundhara Valley Apatts, Sector-6 Ghaziabad (U.P)-201012	Member
6	Dr. P.D. Sharma, ADG (soils) NRM, ICAR, Krishi Anushandhan Bhawan -II, New Delhi - 110 012	Member
7	Dr. Anil P. Joshi, Director, HESCO Village - Shuklapur; P.O. - Ambiwala; Dehradun (Uttarakhand)	Non-official Member
8	Dr. Vinod Kumar Bhatt, Addl. Director NAVDANYA, Dehradun (Uttarakhand)	Non-official Member
9	Dr. K.S. Dadhwal, Acting Director, CSWCRTI, 218, Kaulagarh Road, Dehradun - 248 195 (Uttarakhand) Tel. No. (O) 0135-2758564, (R) 2757218 director@cswcertiddn.org	Member
10	Dr. Ambrish K. Tiwari, Sr. Scientist (SWCE) CSWCRTI, 218, Kaulagarh Road, Dehradun -248 195 (Uttarakhand) Tel. No. 0135 - 2757210(O), 2751247(R) e-mail: aktswc@yahoo.com	Member-Secretary

A meeting of Research Advisory Committee (RAC) of the Institute was held during August 2526, 2011 in the Chairmanship of Dr. S.R. Singh. The following specific recommendations were made in the meeting:

1. The RAC was of the opinion that the recent erratic trend of rainfall may have catastrophic impact on Indian agriculture and fresh water supplies. The RAC recommended that estimation of changes in quantum of rainfall, rainy days and wet & dry spells as influenced by the climate change should be carried out in order to evolve the strategies to mitigate the effect of climate change, especially in rainfed agriculture system.
2. RAC appreciated the efforts taken by the CSWCRTI for research and development, particularly in soil & water conservation and effective management of watersheds. The RAC recommended that the Institute should formulate a project for quantifying the effect of root mass density and impregnated artificial shredded threads in soil on its shearing strength and slippage.
3. RAC stressed that declining of water table in different parts of the country is a severe problem which should be addressed in research projects of the Institute. The project on groundwater

recharge undertaken by the institute was an appreciable attempt in this direction. The RAC recommended that new research project based on conjunctive use of watershed management induced groundwater and surface water should be undertaken by the institute in order to develop a comprehensive plan for the judicious use of surface and ground waters. Project proposals on conjunctive use of groundwater befitting the mandate of the institute should be encouraged.

4. The RAC appreciated the work done by the Institute in the area of water harvesting and recycling for enhancing agricultural productivity in different ACRs of the country. The RAC recommended that new projects should be formulated for evolving the strategies on drought mitigation in rainfed crops through supplemental irrigation from runoff water stored in farm ponds.
5. The RAC was extremely happy to see the live models, representing different measures of soil and water conservation, developed at CSWCRTI Research Farm, Selakui. The RAC observed that blocks of vegetative measures using different species of trees, shrubs and grasses need to be established for the purpose of demonstration to the planners/implementers who are involved in planning and management of watersheds. The RAC recommended that collection blocks of different plant species should be established and evaluated for their efficacy with respect to soil & water conservation in arable and non-arable lands.

MANAGEMENT COMMITTEE

Status of Institute Management Committee of CSWCRTI, Dehradun

The 41st meeting of the Institute Management Committee of CSWCRTI was held on October 19th, 2011 at the Institute Headquarters, Dehradun chaired by Dr. K.S. Dadhwal, Actg. Director. Chairman of the IMC welcomed all the participation members and apprised them of the establishment, mandate, research and development, achievements for past one year, for the various activities, projects and training programmes being undertaken at the Institute and its 8 Research Centres. During the meeting, various agenda items were taken up and discussed. Institute's video film was also shown to the Members. Major recommendation of the IMC was as under:

- Re-appropriation of budget under Plan and Non-Plan for the financial year 2010-11 as per agenda item.
- Construction of additional 415 meter peripheral boundary wall using chain link along Signiwala Road at Research Farm, Selakui of the Institute headquarters during CFY 2011-12.
- Substitution of Pressure Plate Apparatus and compressor with two Computers for Bellary Centre and purchase of one Differential GPS at a cost of ₹ 8.0 lakhs for Research Centre, Agra during current financial year 2011-12.
- Substitution of LAN Extension with UV-VIS Spectrophoto-meter for Research Centre, Datia and its purchase during current financial year 2011-12.
- Substitution of 2 KVA Stabilizer with Flame Photometer for Research Centre, Datia and its purchase during current financial year 2011-12.
- Substitution of Sap Flow Meter with eight items/ equipments costing ₹ 4.95 lakhs for Research Centre, Kota and its purchase during current financial year 2011-12.
- Condemnation of Tractor bearing No.CIW-6705 of Research Centre, Datia and its replacement with new Tractor for research/ experimental activities.
- Writing off of 3 Automatic Water Level Recorder costing ₹ 35,724 of Research Centre, Kota.
- Earmarking of two residential quarters at headquarters i.e. one Type-V quarters for Chief

Administrative Officer and one Type-IV for Sr. Finance & Accounts Officer as per their entitlement as and when the first vacancy in the respective categories arises. The IMC also recommended similar practice may also be adopted in Research Centres also.

- Construction of 1.9 kms road from main gate of Research Farm to workshop at Research Centre, Agra during current financial year 2011-12.

Sl. No.	Name and designation of Member	Status in IMC	Period of nomination
1.	Director, CS&WCR&TI, Dehradun	Chairman	-
2.	Asstt. Director General (Soils), ICAR, New Delhi	Council's nominee	31.1.2009 to 30.1.2012
3.	Dr. G.P. Juyal, Head of Divn.(H&E)	Member	31.1.2009 to 30.1.2012
4.	Dr. N.K. Sharma, Pr. Scientist,	Member	31.1.2009 to 30.1.2012
5.	Dr. P.R. Ojasvi, Pr. Scientist	Member	31.1.2009 to 30.1.2012
6.	Dr. A.K. Tiwari, Head, CSWCRTI Research Centre, Chandigarh	Member	31.1.2009 to 30.1.2012
7.	Director, Agricultural & Soil Conservation, Nanda ki Chowki, P.O. Prem Nagar Dehradun (Uttarakhand)	Member	23.11.2010 to 22.11.2013
8.	Director, Soil Conservation, Shimla - 5 (H.P.)	Member	23.11.2010 to 22.11.2013
9.	Dean (PG), GB PUA & T Ranichauri, Hill Campus, Tehri Garhwal (Uttarakhand)	Member	23.11.2010 to 22.11.2013
10.	Finance & Accounts Officer, NDRI, Karnal (Hayana)	Member	23.8.2011 to 22.8.2014
11.	Dr. Anil Joshi, Director, Himalayan Environment Studies & Conservation, Village Shuklapur, P.O. Ambiwala, Dehradun (Uttarakhand)	Non-Official Member	23.11.2010 to 22.11.2013
12.	Dr. Vinod Bhatt, NAVDANYA, 105, Rajpur Road, Dehradun (Uttarakhand)	Non-official Member	23.11.2010 to 22.11.2013
13.	Chief Administrative Officer, CS&WCR&TI, Dehradun (Uttarakhand)	Member Secretary	-

Note : Proposal for new members of IMC in place of Sl.No.2 to 6 has been sent to the Council.

INSTITUTE RESEARCH COMMITTEE

Salient Recommendations of IRC Meeting 2011

1. The best models for predicting runoff and erosion for different agro-ecological regions may be identified. A bulletin giving details of various models and highlighting their utility (region-wise) may be published by October 31, 2011 positively.
2. Dr. D.R. Sena, Sr. Scientist should develop a sample data set in consultation with Er. K.P. Tripathi, Pr. Scientist for analyzing rainfall data and correlating it with production data by October 31, 2011 for the NPCC funded project on climate change. The developed data set may be sent to all Research Centres and Divisions to maintain uniformity of data analysis.

3. For analysis of microbial activity and carbon dioxide emission, the required chemicals i.e. Tri-Phenyl Formazone (TPF) and Tri-phenyl Tetrazolium Chloride were purchased and distributed to all Research Centres. Therefore, either the respective Research Centres may do the analysis at their own level or the soil samples may be sent to Dr.(Ms.) Sharmistha Pal, Scientist, Research Centre, Chandigarh immediately after the collection of samples for computation of Soil Threat Index by December, 2011 positively.
4. The DG, ICAR has desired that a meeting of about 100-125 officers of the state departments that have undergone regular training course at our Institute and are presently holding key positions may be organized to discuss and develop a consensus regarding propagation of the theme of natural resource management (NRM) in general and our Institute's mandate in particular. The meeting may also be attended by the DG, ICAR along with members of SLNA which should be organized by September 30, 2011.
5. OIC, ARIS Cell should seek information on status of access to online Journals from the Heads of all Research Centres. The information may be compiled by OIC, ARIS Cell by September 30, 2011 and further necessary action may be taken by him so that access to online Journals is available to all Research Centres.
6. Dr. G.L. Bagdi, Sr. Scientist may modify the new project proposal entitled 'Post-adoption behaviour of farmers towards soil and water conservation technologies of watershed management' as a core project as per recommendations of RAC. As a PI of the core project, he may also organize a workshop at Vasad Centre by inviting scientists from different Research Centres of the Institute and members from reputed NGOs during November, 2011 to finalize the various aspects of core project. The core project should be presented in the next RAC/IRC meeting.
7. The compiled list of equipments purchased at all Research Centres and Divisions during the last 5 years alongwith their details should be circulated by Dr. G.P. Juyal, Head, H&E Division to all Research Centres and Divisions by September 30, 2011 positively.
8. The site of the concluded project entitled "Hydrological behaviour of small watersheds and sustainability of production systems" conducted at Sainji watershed should be maintained as a demonstration site by Dr. Ambrish Kumar, Sr. Scientist (Engg.). The Normalized Difference Vegetation Index (NDVI) of the project may be calculated for the watershed as a whole by Dr. O.P. Chaturvedi, Head, Plant Science Division by November 30, 2011.
9. The sediment yield sampler developed under the concluded project entitled 'Design development and testing of simple and low cost continuous mechanical sediment yield sampler' may be tested and made operational under field condition by Dr. Gopal Kumar, Scientist (Soils) by November 30, 2011, positively.
10. Brochures of potential technologies already developed under various projects conducted at the Research Centre, Chandigarh may be brought out by Dr. Pratap Singh, Pr. Scientist (Agronomy) by October 31, 2011 for the benefit of farmers and various agencies.
11. Heads of Research Centres / Divisions and scientists should ensure that the norms fixed by the IRC regarding number of research projects with individual scientist are followed. In case, the scientist has less than the requisite scientific workload in terms of Research Projects, the Head should ensure that the scientist submits new project proposals for presentation and consideration of RAC/IRC. However, if the number of projects with a scientist is exceeding the maximum limit as per norms, the new proposals should not be forwarded by the Head.
12. While submitting new project proposals by the scientists for consideration in the RAC/IRC, the availability of budget, equipments, manpower (scientific, technical etc.) and other resources (land etc.) related to the project(s) at the Research Centre/Division should be ensured by the Head of Research Centres/Divisions.

13. A workshop may be organized by Dr. D. Mandal, Sr. Scientist during September, 2011 on new research proposal entitled 'Identification of environmentally sustainable landuse and management practices based on soil organic carbon management in different agro-ecological regions of India under different climate change scenarios' for consideration as a core project/or observational trial.
14. Data of all ongoing and concluded projects may be entered into Project Information and Management System (PIMS) of ICAR, as per directives of the Council. Data of ongoing projects should be uploaded by 31st October, 2011 by the respective PIs. Soft/Scanned copies of RPF III of remaining concluded projects (if any) should be sent to PME Cell through E-mail by 31st October, 2011 for uploading the same into PIMS-ICAR website. Dr. N.M. Alam, Scientist (Agril. Stat.) is nominated as Nodal Officer of PIMS-ICAR for the Institute.
15. Result Framework Document (RFD) and Citizen Charter for XII Plan of all the Research Centres be prepared with due care and submitted to the Institute Headquarters by 15th November, 2011. PME Cell should develop the RFD and Citizen Charter of the Institute and submit it to the DDG (NRM) in due time. Er. S.S. Shrimali, Sr. Scientist (CAA) should upload the Citizen Charter in Institute website after approval of the Competent Authority.
16. In continuation of the letter dated 26th May, 2011 received from the Director General, ICAR, few years meteorological data have already been computerized and forwarded to the Project Coordinator (Agro-met), CRIDA, Hyderabad by some of the Research Centres. It is decided that all the Heads of the Research Centres and Head, H&E Division should make all the efforts, including hiring services, to computerize the required data set since the establishment of meteorological observatory at Research Centre/Research Farm and forward it to the designated scientist of CRIDA with a copy to PME Cell.
17. To workout the criteria for identification of landslide prone area and cumulative index for defining vulnerability of landslide areas, the portions of Dr. G.P. Juyal, Head, H&E Division and Dr. R.P. Yadav, Pr. Scientist (Soils) should be incorporated in the report and submitted the same by September 30, 2011.
18. The Monthly Cabinet Reports should be prepared in bullet form highlighting the Salient Achievements in a quantifiable manner for onward transmission to the Council. Along with it, monthly highlights of research projects with photographs / tables etc. for publication in ICAR News / ICAR Reporter and DARE Report may be submitted regularly by all the Research Centres / Divisions.
19. Patent search should be an integral part of the review of literature for any new project formulated from 2011-12 onwards at the Institute. It may also be included in the RPFs as an important IPR asset of the Institute. The following free patent search engines are available, which can be accessed for getting an update of the latest in respect of patenting and IPR issues:
<http://www.patentlawlinks.com>
<http://www.google.com>
<http://www.priorsmart.com>
<http://www.patentlens.net>
<http://www.freepatentsonline.com>
20. Each scientist must ensure to publish at least two research papers every year in reputed journals having high score as per NAAS ratings, with preferably one in International Journal. Publications should be made within three years after completion of a project. Head of Research Centres/Divisions should promote this culture and ensure quality publications in future. All the publications should invariably be routed through proper channel and approved by the Competent Authority.
21. A meeting must be held by the Heads of Research Centres/Divisions after receipt of proceedings of IRC meeting and Action Taken Report should be submitted within one month to the Director indicating what actions have been taken or will be taken in a time bound manner.