

RAC, MANAGEMENT COMMITTEE, IRC MEETINGS

10

RESEARCH ADVISORY COMMITTEE

RAC Members for a period 02.05.2014 to 2.05.2017

| | | |
|----|---|---------------------|
| 1 | Dr. B.C. Mal, Professor and Former Head, Deptt. of Agricultural and Food Engg., IIT, Kharagpur-721 302 Ex-Vice Chancellor, Chhattisgarh Swami Vivekanand Technical University, Bhilai | Chairman |
| 2 | Dr. Ranjoodh Singh, Ex-Director (Research) HPKV, Palampur, 5 Friends Colony, Holta, Palampur – 176062 (HP) | Member |
| 3 | Dr. S.K. Sharma, Ex. Director, IIFSR, Modipuram, J-22, Shstri Nagar, Meerut- 250004 (UP) | Member |
| 4 | Dr. K.K. Satpathy, Ex-Director, NIRJAFT A-1, 2/10 Chhayana t, Calcutta Greens, 1050/2, Survey Park, Kolkata – 700075 | Member |
| 5 | Dr. P.S. Pathak, Ex Director, IGFRI, Jhansi K-1/11450 Aashiyana Colony, Kanpur Road Scheme, Lucknow-226012 | Member |
| 6 | Dr. Ram Babu, Ex Head, Econ. & Project Planning Divn., CSWCRTI, Dehradun 91/7, Viay Park, Dehradun-248001 | Member |
| 7 | Dr. S.K. Chaudhari, ADG (S&WM), ICAR, New Delhi. | Member |
| 8 | Sh. Matbar Singh Kandari, 33/1, Shastri Nagar, Lane No. 3, Dehradun | Non official member |
| 9 | Sh. Ram Sharan Nautiyal, 183-Rajpur Road, Dehradun | Non official member |
| 10 | Dr. P.K. Mishra, Director, ICAR-IISWC, 218 Kaulagarh Road, Dehradun- 248 195 (Uttarankhand) Tel. No 0135-2758564(O), 2754968(R) | Member |
| 11 | Dr. Rajesh Kaushal Sr. Scientist (Forestry), ICAR-IISWC, 218 Kaulagarh Road, Dehradun -248 195 (Uttarankhand) Tel. No. 0135 – 2757210(O), 2751247(R) | Member-Secretary |

During the period under report, one meeting of Research Advisory Committee (RAC) of the Institute was held under the Chairmanship of Dr. B.C. Mal, Professor & Former Head, Department of Agriculture & Food Engineering, IIT Khargpur & Ex-VC, Chhattisgarh Swami Vivekanand Technical University, Bhilai during February 19-20, 2016. Research Programme-wise progress of on-going projects was presented by Programme Leaders. New project proposals submitted to RAC were also discussed for implementing.

Recommendations of RAC

Following specific recommendations were made in the meeting held during February 19-20, 2016:

1. RAC recommended that monetary losses from water erosion need to be reassessed considering the latest minimum support price of rainfed crops cultivated in the country (Action: Dr. P. Dogra to finalize and present before RAC).
2. RAC reiterated its earlier recommendation and emphasized that for effective planning of the watershed development programmes, information on runoff and soil loss from various experiments/projects of the Institute under different agro-climatic regions of the country should be documented (Action: Dr. P.R. Ojasvi to coordinate and compile the information from different Divisions, Centres and published reports and present before RAC).
3. RAC suggested that climate change projection maps at usable resolution should be prepared in the light of various GCM scenarios for vulnerability analysis (Action: Dr. D.R. Sena).
4. RAC stressed on developing Decision Support System (DSS) for effective planning, design and management of Resource Conservation Measures (Action: Dr. P.R. Ojasvi to prepare the report based on completed project on DSS and present the report to the RAC).
5. RAC emphasized for assessment and documentation of the intangible benefits of NRM interventions in different projects in different climatic regions (Action: Dr. B.L. Dhyani to coordinate for compiling the information on the work done in the institute and to plan future course of action).

Other important observations of RAC

- Hydrological modelling of the watersheds, especially runoff and sediment may be done by employing the various models developed by the different organizations.
- Huge database available with the institute may be used for modelling for more general application.
- Calibration functions of hydrological responses of the watersheds/plots should be developed subject to sufficient availability of data related to runoff events.
- Studies on use of jute blended material developed by NIRJAFT in landslide, mulching, riverside and horticulture application should be initiated.
- Studies on enhancing water productivity and nutrient use efficiency (NUE) by placement of nutrient and water in root zone should be undertaken.
- Collection of runoff and soil loss data should also be recorded in winter season and efforts should be made for continuous monitoring of hydrologic data over long period.
- Studies on root dynamics, rooting behaviour, root density, and root geometry etc. needs to be strengthened.
- Research works including gaps on ravine areas by the Institute needs to be compiled in the form of a Bulletin.

MANAGEMENT COMMITTEE

Status of Institute Management Committee of IISWC, Dehradun

| Sl.No. | Name and designation of Member | Status in IMC | Period of nomination |
|--------|--|-------------------|------------------------|
| 1. | Director, ICAR - IISWC, Dehradun | Chairman | - |
| 2. | Asstt. Director General (S&WM), ICAR, KAB-II, New Delhi Phone (O) 011-25848369 | Council's nominee | 29.6.2015 to 28.6.2018 |
| 3. | Dr. S.K. Jena, Pr. Scientist (SWC Engg.) ICAR-Indian Institute of Water Management, Bhubaneswar – 751 023 E-mail: skjena_icar@yahoo.co.in | Member | 29.6.2015 to 28.6.2018 |
| 4. | Dr. R.S. Choudhary, Head (Soil Physics Divn.), ICAR-IISS, Bhopal – 462 038 | Member | 29.6.2015 to 28.6.2018 |
| 5. | Dr. N.K. Sharma, Head, Soil Science & Agronomy Division, ICAR-IISWC, Dehradun – 248 195 | Member | 29.6.2015 to 28.6.2018 |

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| Sl.No. | Name and designation of Member | Status in IMC | Period of nomination |
|--------|---|------------------------|------------------------|
| 6. | Dr. (Smt.) S.L. Arya, Pr. Scientist (Ag. Econ.), ICAR-IISWC Research Centre, Chandigarh | Member | 29.6.2015 to 28.6.2018 |
| 7. | Director, Agricultural & Soil Conservation, Nanda-ki-Chowki, P.O. Prem Nagar, Dehradun (Uttarakhand) Phone 0135-2772677, Fax: 0135-2771881 | Member | 09.4.2015 to 8.4.2018 |
| 8. | Director, Soil Conservation, Shimla – 5 (Himachal Pradesh) Phone 09418031268, Fax: 0177-2830612 and 0177-2830620 | Member | 09.4.2015 to 8.4.2018 |
| 9. | Dean (PG) College of Forestry & Hill Agriculture, GBPUAT, Ranichauri, Hill Campus, Tehri Garhwal (Uttarakhand) Phone 8476000245 | Member | 09.4.2015 to 8.4.2018 |
| 10 | Sh. K.K. Sharma, Finance & Accounts Officer ICAR, Krishi Bhawan, New Delhi Phone -09899861052 | Member | 09.4.2015 to 8.4.2018 |
| 11 | Sh. Matbar Singh Kandari, 33/1, Shastri Nagar, Lane No. 3, Dehradun - 24900 (Uttarakhand) | Non-official Member | 09.4.2015 to 8.4.2018 |
| 12 | Sh. Ram Sharan Nautiyal, 183, Rajpur Road Dehradun – 248 009 (UttaraKhand) | Non-official Member | 09.4.2015 to 8.4.2018 |
| 8. | Chief Administrative Officer, ICAR - IISWC, Dehradun (Uttarakhand) | Member Secretary | - |

During the period under report, one IMC meeting were held at the Institute Headquarters, Dehradun. 47th meeting of the Institute Management Committee of ICAR-IISWC was held on March 3rd, 2016 at the Institute Headquarters, Dehradun chaired by Dr. P.K. Mishra, Director. On the occasion, Chairman of the IMC welcomed all the participation members and apprised them of the establishment, mandate, research and development achievements of the Institute and other activities like new initiatives, transfer of technology, award and recognition, consultancy projects, foreign visits of the Scientists and different activities being undertaken by the Institute under Tribal Sub Plan and training programmes being undertaken at the Institute and its 8 Research Centres. During the meeting, various agenda items were taken up and discussed. Major recommendations of the IMC on Agenda items (approved by the Council letters F.No. NRM/3-32/2014-IA-II dated Jan. 5, 2015 & F.No. NRM/ 3-4/2015-I.A.II dated March 24, 2015) were as under:

Recommendation of 47th IMC meeting held at Dehradun dated March 03, 2016:

| Sl. No. | Item | Recommendation of IMC | Council's decision/remarks |
|---------|--|---|---|
| 1 | Extension of existing auditorium with conference hall and its furnishing by providing Air Conditioners, Audio & Video aid etc. at Headquarters, Dehradun | IMC took the cognizance of this item and supported the need of Auditorium for different activities. The Committee desired that item may be referred to the Council for sanction of the Director General, ICAR, New Delhi on priority basis. | Strictly as per EFC provisions, availability of funds in relevant head and observation of codal formalities prescribed in the GFR |

| Sl. No. | Item | Recommendation of IMC | Council's decision/remarks |
|---------|---|--|--|
| 2 | Construction of hostel building and its furnishing at Research Centre, Koraput | In view of remote locality of Research Centre, Koraput, the IMC supported the need of training hostel at Koraput and desired that item may also be referred to the Council for sanction of the Dy. Director General (NRM), ICAR, New Delhi on priority basis | -do- |
| 3 | Construction of one Type - V quarters at Research Centre, Koraput | The IMC recommended Construction of one Type -V quarters at Research Centre, Koraput as per estimate vetted by the Director (Works), ICAR, New Delhi. | -do- |
| 4 | Extension of training hostel (vertically) and its furnishing at Research Centre, Vasad | The IMC recommended extension of training hostel (vertically) and its furnishing at Research Centre, Vasad as per estimate vetted by the Director (Works), ICAR, New Delhi. | -do- |
| 5 | Providing poly carbonated / transparent sheet instead of GI Sheet in middle open portion between the hostels at main Institute campus, Dehradun - Minor Modification in XII Plan approved work. | The IMC recommended that as per modification in the original item revised estimate may be prepared and got vetted by the Director (Works), ICAR, New Delhi. Thereafter the work may be executed by the Institute. | -do- |
| 6 | Execution of works of demolition of old Over Head Tank & construction of New Over Head Tank on revised estimate of ₹ 16.54 lakhs at Research Centre, Bellary. | The IMC recommended that as per modification in the original item revised estimate may be prepared and got vetted by the Director (Works), ICAR, New Delhi. Thereafter the work may be executed by the Institute. | Strictly as per EFC provisions, availability of funds in relevant head and observation of codal formalities prescribed in the GFR. No expenditure should be incurred over and above the allocation approved for any particular item of work without the approval of the Council. |
| 7 | Condemnation of Jeep No. UP-80-E-7376 of Research Centre, Agra | In view of condemnation certificate issued by the RTO, Agra, the IMC recommended that the above vehicle may be condemned and its replacement with new vehicle be made as per rule. | Condemnation of vehicle may be done strictly as per rules. For purpose of new vehicle on replacement basis against the condemned vehicle, the matter may be processed strictly in the light of the latest instruction issued by Internal Finance division of the Council. |
| 8 | Condemnation of Swaraj Mazda Bus No. UP -80-P-9632 of Research Centre, Agra | In view of involvement of huge amount (₹ 251,600) for its repair and life of about 17 years besides non -availability of its spare parts due to old model and problems being faced by the Institute for getting fitness and re -registration of such old vehicle, IMC recommended for its condemnation and its replacement with new vehicle be made as per rule. | -do- |

| Sl. No. | Item | Recommendation of IMC | Council's decision/remarks |
|---------|---|--|--|
| 9 | Condemnation of Mahindra & Mahindra Jeep No.MP -07-H-6412 of Research Centre, Datia | In view of condemnation certificate issued by the RTO, Datia, the IMC recommended that the above vehicle may be condemned and its replacement with new vehicle be made as per rule. | -do- |
| 10 | Condemnation of Mahindra Jeep No. OR -10-A-2083 of Research Centre, Koraput | In view of condemnation certificate issued by the RTO, Koraput, the IMC recommended that the above vehicle may be condemned and its replacement with new vehicle be made as per rule. | -do- |
| 11 | Enhancement of funds under Hiring of Security services in ICAR-IISWC, Dehradun and eight its Research Centres. | In view of huge area of Institute and its Research Centres and different remote locality of the country and protection of government property from theft, damage, encroachment etc., the IMC recommended sanction of additional amount of ₹ 60 lakhs over and above the financial powers delegated to the Director of the Institute to the extent of ₹ 40 lakhs towards hiring of security. | A separate proposal may be sent to the council alongwith full justification for consideration. |
| 12 | Utilisation of Sardar Patel Award (2005) money for giving awards to the best workers in different categories of employees on the occasion of Institute Annual Day on 7 th April each year from 2016 onwards. | The IMC appreciated the step being taken by the Institute to recognize the services of best worker and recommended that Institute may give best worker award on the occasion of Institute Annual Day on 7 th April from the year 2016 onwards. However, IMC desired that before deciding the names of the best workers, suitable guidelines may be framed by the Institute to give the awards. | Strictly as per rules on the subject. |
| 13 | Constitution of Grievance Cell | The IMC recommended nomination the Head, Research Centre, Chandigarh instead of Dr. N.K. Sharma, Head, Divn. of SS&A and Sh. A.K. Singh, CAO and Sh. R.K. Singh, Sr.F&AO as member of Grievance Committee. The IMC also suggested that while constituting the complete Grievance Committee it may be ensure that there should be at least one lady officer to protect the right of women employees in Grievance Committee. | As per guidelines of the Council. |
| 14 | Allotment of Type -I residential quarters to Junior/Senior Research Fellows working under different ICAR / Externally funded projects. | The IMC recommended allotment of Type-I quarters to the Junior/Senior Research Fellows/RA working in different ICAR/Externally Funded projects subject to deduction of HRA, Licence Fee, water charges etc. as per rule. | Strictly as per guidelines / instructions of the Council on the subject. |

INSTITUTE RESEARCH COMMITTEE

Salient Recommendations of IRC Meeting 2015

1. Runoff and soil loss data may be collected by Dr. D.R. Sena, Principal Scientist (Engg.) from all Research Centres for developing Curve Number for the country. A workshop may be held by Dr. D.R. Sena for transmitting the methodology of Curve Number to other Centres by September, 2015. A bulletin may be published on the results obtained from the concluded project entitled 'Standardization of runoff and peak flow parameters for different soil and water conservation structures under Indian condition' by December, 2015 and RPP IV may also be prepared on this project.
2. A copy of published bulletin on runoff and erosion prediction models may be submitted by Dr. P.R. Ojasvi, Head, H&E Division by August 31, 2015 positively.
3. A bulletin may be published for documenting the procedure for delineation of Mahi ravines and the methodologies of RS/GIS used under the related concluded project entitled "Delineation and characterization of Mahi ravines using remote sensing and GIS in terms of resource potential planning" by Dr. Gopal Kumar, Scientist (Soils) by August 31, 2015.
4. A technology brochure on concluded project on recharge filter may be published by Dr. Gopal Kumar, Scientist (Soils) by August 31, 2015.
5. A bulletin/brochure on results obtained from concluded project entitled "Resource conservation by alley cropping in shifting cultivated degraded lands of Eastern Ghats" may be published by Dr. P.P. Adhikary, Scientist (Soils) by October, 2015.
6. A bulletin from the concluded project entitled 'Analysis of climatic data for evolving drought indices towards planning sustainable cropping systems in Bundelkhand' may be published by Dr. P.P. Adhikary, Scientist (Soils) by October, 2015.
7. The technology generated from the concluded project entitled 'Productive utilization of ravines through introduction of horticulture and improved planting materials' may be published by Dr. A.K. Parandiyal, Principal Scientist (Forestry) as a bulletin/brochure by October, 2015. The technology may be transferred to farmer's field under ToT programme and RPP IV may also be prepared on this project.
8. One unit of field level sediment sampler developed by Dr. Gopal Kumar, Scientist (Soils) at Research Centre, Vasad may be sent to Headquarters, Dehradun which may be tested by Er. S. Patra, Scientist (Engg.) by August, 2015.
9. For recommendation No.1 of RAC – 'The institute should formulate package of practices for rehabilitation of ravine lands compiling work done on ravine lands', Dr. R.K. Singh, Head, Research Centre, Kota may take action.
10. For recommendation No.2 of RAC – 'RAC reiterated its earlier stand on formulation of a project on the use of natural fibre based geo/agro-textiles by the Institute in collaboration with NIRJAFT in different Agro-Ecological Regions of country using proper planting material suited to the local environmental condition', a team of scientists and technical officer comprising Dr. P.R. Ojasvi, Dr. Ramanjeet Singh, Dr. S.K. Dubey, Dr. A. Raizada, Dr. V.K. Bhatt, Dr. Pankaj Panwar, Dr. S. Manivannan, and Mr. Prakash Singh (T.O.) will visit NIRJAFT for exploring the possibilities of using their expertise. Dr. Harsh Mehta, Pr. Scientist (Plant Breeding) will co-ordinate as Member Secretary.
11. For recommendation No. 3 of RAC – 'Present status of the Shifting Cultivation in Odisha needs to be documented with suggested action plan', Dr. M. Madhu, Head, Research Centre, Koraput may take action.
12. For recommendation No. 4 of RAC – 'Headquarters and each Centre should have arboretum and a nursery to maintain germplasm of important trees, shrubs, grasses and medicinal plants for conducting long term studies on resource conservation, soil health improvement, biomass optimization, bio-energy flow, and carbon sequestration and raising quality planting material for future use. Status of maintaining such germplasm may also be checked with CAFRI and NBPGR", all Heads of Research Centres may take action. Dr. O.P. Chaturvedi, Head, Plant Science Division will co-ordinate.

13. For recommendation No. 5 of RAC – ‘The impact of NRM measures on productivity enhancement, increase in water availability and socio-economic conditions of the farmers needs to be assessed for Datia and Jhansi Districts by the Research Centre, Datia’, Head, Research Centre, Datia, Dr. Rajeev Ranjan, Scientist (Soils) and Dr. Om Prakash, Principal Scientist (Ag. Extn.) may take action.
14. ‘Mera Gaon, Mera Gaurav’ is to be initiated under both ToT and TSP programmes. The ToT need not be taken where TSP programmes are going on. Clean India campaign is to be done under ToT. Those projects that have generated technologies adoptable by the concerned stakeholders through ToT must submit RPP IV.
15. Half page write-up and recommendations emerging out from projects concluded in 2014-15 should invariably be submitted by the leader of projects through their respective Heads by August 31, 2015 positively.
16. A hard copy of the published papers during the year 2015 should be submitted to the OIC, PME Cell in a bunch of all papers by all Heads of Research Centres and Divisions during the submission of the document of Annual Report 2015-16 alongwith latest NAAS rating. Soft copies of these papers should be submitted to OIC, AKMU for uploading on the Institute website. In case, there is more than one author from the Institute, only senior author should submit the paper.
17. Complete Annual Report of Research Centres/Divisions should be submitted by all the Heads as per Annual Report format giving all captions (tables, photos and figures) and executive summary in English and Hindi by February 28, 2016 positively.