



BY SPEED POST/FAX

भारतीय मृदा विज्ञान संस्थान (भा०कृ०अनु०प०)

नबीबाग बैरसिया रोड, भोपाल - 462038

ICAR-Indian Institute of Soil Science

Nabibagh, Berasia Road, Bhopal-462038 (M.P.)

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Web: www.iiss.nic.in

Date: 26.02.2016

Application No. 98-2/IISS/RTI/2016

To

Shri Hemant Verma,
6-B, Kalyannagar Society,
Opposite Vrundavan bus stop,
Waghodia Road, Vadodara- 390019, Gujarat

Sub: Reply to information under RTI Act, 2005 – reg.

Sir,

Please find enclosed herewith the information in response to your application received at this end under RTI dated 02/02/2016. It is hereby informed that the information contained altogether 30 pages and you are requested to remit Rs 60/= as page charges on receipt of this letter. Further it is informed that the Appellate Authority is Director, ICAR-IISS, Bhopal and his telephone no. is 0755-2730946.

(R. Elanchezhian)

Principal Scientist & CPIO

Encl: Information containing 30 pages

Copy to:

Dr. P.P. Biswas
Krishi Anusandhan Bhavan-II,
Indian Council of Agricultural Research,
Pusa, New Delhi-110012

Dated: 11/02/2016

Note

Please find herewith the input from PME on the RTI application submitted by Sh. Hemant Varma, Vadodara for further needful. Some of information is already in the public domain and that may be made use of by the applicant. Information on other issues may please be collected from the concerned divisions/units for further compilation.

CPID



Incharge PME Cell

Response to points related to RTI application

- (1) In the last 15 years which are the major issues on which the research has been undertaken to increase agricultural output, decrease cost of farming, reducing use of artificial fertilizers insecticides. Please give in brief the various researches & implementation has been done on ground or not.

Response 1: The institute is conducting research on the following themes to provide knowhow and technologies to improve agricultural output economically:

- Soil Health and Input Use Efficiency
- Conservation Agriculture and Carbon Sequestration vis-à-vis Climate Change
- Soil Microbial Diversity and Biotechnology
- Soil Pollution Remediation and Environmental Security

To address the above issues following research projects have been taken up and the all the projects were concluded as per its commitment.

Project	In-house/ externally funded (collaborative/ contractural/DAC /DBT etc)	Duration
Nitrogen management and simulation modeling for different water availability situation in the PSR Mode under the National Agricultural Technology Project (NATP)	In-house	1999 -2003
Development and validation of simulation models to predict the long term consequences of different tillage and residue management strategies	In-house	1999 - 2003
Impact of tillage, land treatment and organic residue management on soil health, drainage and crop productivity of rainfed cotton based system (NATP)	Externally funded	2000- 2003
Development of database of major soil nutrients for managing nutrients in different crops and cropping systems	In-house	2000-2005
Optimizing nutrient supply in relation to moisture availability for enhanced productivity and stability of rainfed cotton based production system (NATP)	Externally funded	2000-2003
Integrated management of nutrient and water in different cropping systems for sustainable production in vertisol	In-house	2000-2005
Management of mechanical harvest-borne wheat residue under soybean wheat systems in Vertisols	In-house	2000-2005
Resource use efficiency of certain soybean based inter cropping systems for sustainable productivity	In-house	2000-2003
Comparative study of the low input management crops like medicinal	In-house	2000-2004

crops in vertisol and like soil with soybean and groundnut		
Effect of subsoiling on water and nutrient use efficiency in oilseed based inter-cropping system in a Vertisol under rainfed conditions	In-house	2000-2003
A comparison of vermin composting and conventional composting	In-house	1999-2003
Identifying systems for carbon sequestration and increased productivity in semi-arid tropic environments	In-house	2000-2003
Organic pools and dynamics in relation to land use, tillage and agronomic practices for maintenance of soil fertility	In-house	2000-2004
Integrated nutrient management in major pulse based cropping systems and identification of the most productive and remunerative systems	In-house	2000-2004
Web design and hosting for IISS	In-house	2000-2002
Studies on the role of PGPR's in improving growth and biological nitrogen fixation in soybean and wheat	In-house	2000-2004
Comparison & Evaluation of different statistical models for establishing the relationship between the crop yields and soil & fertilizer	In-house	2000-2002
Data base design and development for IISS	In-house	2000-2002
Evaluation of sink capacity of soil/plants for toxic metal pollutants	In-house	2001-2004
Survey of potential of manure for meeting crop nutrient needs with integrated management in Madhya Pradesh India	Externally funded	2001- 2002
Determination of soil potassium stock in Indian semi arid tropics in term of biotite content	In-house	2001-2004
Nutrient Dynamics in cotton and establishment of critical limits for micro and secondary nutrients	In-house	2001-2003
Improving the use efficiency of limited available irrigation water and assessing water and nitrogen dynamics in wheat under soybean-wheat system in vertisol	In-house	2001-2005
Mobilization and utilization of phosphorus from rock phosphate using soybean leaf litter: implications for direct use of rock phosphate	In-house	2001-2003
Investigation on the effect of continuous use of sewage water as irrigation on the swell-shrink soil quality	In-house	2001-2009
Investigation on sink capacity of well defined soil series for toxic metal pollutants and its effects on the mobility of metal pollutants in the soil-plant continuum.	In-house	2001-2006
Water and phosphorus use efficiency under varying soil moisture regimes in rainfed maize-chickpea cropping system in vertisol	In-house	2002-2007
Dynamics of soil microbial nutrients availability in soybean-wheat cropping sequence under conventional and organic farming system in	Externally	2002-2005

semi-arid zone (NATP)(Externally funded projects)

Evaluation of implications of long-term balanced nutrient use on soil health and agricultural production in different zones in India – A case of maize-wheat cropping sequence in HP	In-house	2002-03, 2005-06
Long-term Evaluation of Integrated Plant Nutrient Supply Modules for sustainable productivity in Vertisol.	In-house	2002 - Long term
Environmental impact of the use of polluted ground water as irrigation on productivity and quality of crops in Ratlam-Nagda industrial area	In-house	2002-2005
Evaluation of agnihotra krishi paddati on soybean –chickpea/wheat cropping system	In-house	2003-2005
Nutrient dynamics and production sustainability of cropping sequences under organic farming system in Vertisols	In-house	2003-2008
Nutrient management practices for important oilseed based cropping systems for improving yield and oil output under rainfed conditions (NATP)	Externally	2000-2003
Crop diversification and management of water for increasing productivity on Vertisols in a landscape watershed	In-house	2003-2006
Evaluation of efficiency of Granubor H in ameliorating boron deficiency in important fields crops under major ecological zones of India	Externally	2003-2004
Studies on molybdenum availability in selected benchmark soils and its influence on growth of some crops	In-house	2003-2006
Evaluation of techniques for minimizing heavy metal pollution in soils and plant	In-house	2003-2006
Integrated nutrient management for high quality fibre and yield of cotton	In-house	2003-2007
Network Project on Organic Farming	Externally	2004 onwards
Online fertilizer recommendations system for targeted yield of crops for different states	In-house	2004-2005
Efficiency of some flowering plants to extract Cd and Pb from contaminated soils	In-house	2004-2007
Studies on the effect of organic nutrient sources on yield and quality of pomegranate	In-house	2004-2009
Evaluation of efficiency of gromor bentonite sulphur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India	Externally	2006-2007
Network project Coromandel Fertilizers Ltd.		
Impact adaptation and vulnerability of Indian agriculture to climate change	Externally	2005-2007

Estimating the nutrient contribution of manures alone and in the presence of fertilizer	In-house	2005-2007
Delineation and mapping of nitrate contamination in soil and water in heavily fertilized and intensively cultivated districts of the country	Externally	2005-2008
Evaluation of efficiency of gromor bentonite sulphur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India	Externally	2005-2007
Development of suitable methodology for soil fertility using GIS and GPS tools for precise fertilizer recommendations based on spatial variability (ICAR Cess Fund)	Externally	2005-2009
Evaluation of efficiency of gromor sulfur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India (Network Project)	Externally	2005-2007
Evaluation of efficiency of gromor sulful pastillies for Enhancing the productivity of different crops in sulphur deficient soils of India		
Improving yields and nutrient uptake of selected crops through microbial inoculants in Vertisols of Central India.	Externally	2006- 2012
Development of composting techniques for recycling of municipal solids wastes	In-house	2006-2010
Development of potassium management strategies for alfisol in view of lesions learnt from long-term fertilizer experiments	In-house	2006-2009
Developing quality indices of urban solid waste compost.	In-house	2006-2011
Contractual Research Network on Evaluation of Efficiency of Granubor II for enhancing crop productivity in Boron deficient enhancing crop productivity in boron deficient soils	Externally	2004-2005
Impact of linear alkylbenzene sulphonate (LAS) and sodium Tri poly phosphate (STPP) present in detergent on crop and soil quality	In-house	2006-2008
Development of methodology using RS, GPS & GIS for delineating area of a district in different fertility zones. (MPCOST)	Externally	2007-2010
Investigation on phosphorus fractions in Diverse organic manures and their effects on phosphorus speciation and availability in contrasting soils	In-house	2007-2009
Developing region-specific databases on nutrient resources in agriculture and user friendly intelligent data retrieval system for rational and efficient nutrient management	In-house	2007-2010
Long –term effects of fertilizer and manure application on carbon pools dynamics in a vertisol under soybean-wheat system	In-house	2007-2010
Integrated Manure nutrient management in soybean/wheat cropping systems on Vertisol in Madhya Pradesh and Queensland	Externally	2005-2010

Ailing Agricultural Productivity in Economically Fragile region of India: An Analysis of Synergy between Public Investment and Farmers' capacity (Adhoc Scheme)	Externally	2008-2010
Development of web enabled statistical software for analysis of data of AICRP on STCR	In-house	2008-2012
Developing database on extent of soil and water contamination in India	In-house	2008-2011
Soil Organic carbon dynamics and climatic changes and crop adaptation strategies	Externally	2008-2012
(Externally aided project (NAIP) Component 4, Code 2031		
Quality assessment of crops under different nutrient management system in long term experiment	In-house	2008 - 2013
Tillage and manure interactive effects on soil aggregate dynamics, soil organic carbon accumulation and by pass flow in vertisols	In-house	2008-2014
Assessment of quality and resilience of soils in diverse agro-ecosystems (NAIP).	Externally	2008-2012
Transformation and phyto-availability of zinc and boron in selected bench mark acid soils amended with lime and farm yard manure	In-house	2008-2011
Nano-technology for Enhanced Utilization of Native-Phosphorus by Plants and Higher Moisture Retention in Arid Soils (NAIP Project)	Externally	2008-2012
Diagnosis and management of emerging physiological disorders of cotton, wheat and soybean in black soils of central India under changed climatic scenario	In-house	2008-2011
On farm production and evaluation of vermicompost and enriched compost	In-house	2009-2012
Understanding the mechanism of variation in status of a few nutritionally important micronutrients in some important food crops and the mechanism of micronutrient enrichment in plant parts, (NAIP)	Externally	2009-2012
Evaluation of Allwin wonder and allowin top for their effects on maize productivity and soil fertility Externally funded project	Externally	2009-2012
Detection of water and nitrogen stress and prediction of yield of soybean and maize using hyper-spectral reflectance and vegetation indices	In-house	2009-2012

Tillage effects on weed dynamics in soybean-wheat system on Vertisol.	In-house	2009-2012
Phyto extraction of Cr by some floriculture plants	In-house	2009-2013
Assessment of impact of climatic change on cotton Contractual	In-house	2009-2010
Efficacy of soil sampling strategies for describing spatial variability of soil attributes.	In-house	2010-2012
Network on evaluation of efficiency of grnubor fortified NP/NPK in ameliorating boron deficiency in boron deficient soils in important crops in India	Externally	2009 to 2010
Structural and functional diversity of microbes in soil and rhizosphere	In-house	2010-2014
Study on nanoporous zeolites for soil and crop management	In-house	2010-2013
Evaluating Conservation tillage on various cropping sequences/rotations for stabilizing crops productivity under erratic climatic conditions in black soils of central India.	In-house	2011-2012 2013-2014
Participatory integrated nutrient management for improving the productivity and quality of soils of Nagaland.	Institute	2010-2013
Evaluation of efficiency of Patentkali PMS fertilizer for Potash, Magnesium and Sulphur Nutrition and Yield of Different Crops in India	Externally	2010-2011
Impact of crop covers on soil and nutrient losses through runoff in Vertisol.	In-house	2010-2014
Changing climatic factors' influence on the nutrient acquisition, utilization and recovery by soybean and wheat/gram germplasm lines/ genotypes on black soils of central India	In-house	2010-2013
GPS and GIS based model soil fertility maps for selected districts for precise fertilizer recommendations to the farmers of India.	Externally	2009-2012
Effect of nitrogenous fertilizer-calcium cyanamide (PETLKA) on crop productivity and nutrient use efficiency	Externally	2010-11
Studies on soil resilience in relation to soil organic matter in selected soils.	In-house	2010-2015
Impact assessment of continuous fertilization on heavy metals and microbial diversity in soils under long term fertilizer experiment	Externally	2009-2012
Soil carbon saturation and stabilization in some soils in India.	In-house	2010-2013
Biofortification of grain sorghum and finger millet varieties with zinc through agronomic measures.	In-house	2010-2013

Efficiency of Bio-release micronutrient fertilizer Zinc (Micromac) on yield and zinc nutrition of different crops in India (Contractual Project)	Externally	2010-2011
Participatory assessment of qualitative parameters for categorizing different degrees of soil quality to enhance the soil health and productivity.	In-house	2010-2013
Actinomycetes diversity in Daccan plateau, hot, arid region and semi arid eco-sub-region (AER 3 and 6) and evaluation of their PGPR activity.	In-house	2010-2013
Assessing impacts of climate change on different cropping systems in Central India and evaluating adaptation studies through crop simulation models	In-house	2011-2016
Soil quality assessment for enhancing crop productivity in some tribal districts of Madhya Pradesh	In-house	2011-2015
Non point sources of phosphorus loading to upper lake, Bhopal.	In-house	2011-2014
Development of phosphorus saturation indices for selected Indian soils.	In-house	2011-2014
Characterizing rooting behaviours, soil water patterns and nutrient uptake of soybean – chickpea under different tillage and water regimes in Vertisols.	In-house	2011- 2014
Evaluating Conservation Agriculture for Stabilizing Crop Productivity and Carbon Sequestration by Resilient Cropping Systems/Sequences under aberrant Climatic Conditions in Black Soils of Central India (NICRA)	Externally	2011-2014
Developing technique for acceleration of decomposition process using thermophilic organisms	In-house	2011-2014
Soil Resilience and its Indicators under Some Major Soil Orders of India.	In-house	2011-2014
Consequences of transgenic cotton on soil microbial diversity	In-house	2011-2014
Chemical and Microbiological Evaluation of Biodynamic and Organic Preparations.	In-house	2013-2013
Greenhouse gas emission from composting system and characterization of green house gas regulating microbes	In-house	2012-2016
Novel Bio-filtration method using selected mesophilic fungi for removal of heavy metals from municipal solid waste in M.P.,	Externally	2012-2014
Quantifying Green House Gas (GHGs). Emission in soybean wheat system of Madhya Pradesh	Externally	2011-2014
Biochar on soil properties and crop performance	In-house	2012-2016
Metagenomic characterization and spatio-temporal changes in the prevalence of microbes involved in nutrient cycling in the rhizoplane of bioenergy crops (DBT funded Project)	Externally	2011-2014

Interaction among tannery effluents constituents on heavy metals uptake by spinach	In-house	2012-2016
Integrated assessment of some IISS Technologies in Enhancing Agro-Ecosystems productivity and livelihood sustainability	In-house	2013-2016
Nano particle delivery and internalization in plant systems for improving nutrient use efficiency	In-house	2013-2016
Evaluation of plant nutrition product (NP-1) for nutrient use efficiency in cereal crops Sponsored by Nagarjuna Fertilizers and Chemicals Pvt. Ltd., Hyderabad sponsored Project	Externally	2012-2014
Effect of urea pestle productivity and nutrient use efficiency in some soils of India Sanvik India Pvt. Inida sponsored projects	Externally	2012-2014
Investigations on the safe use of sludge in agriculture land generated from effluent froSm plant M/s. the Coca India Private Limited	Externally	2011-2012
Assessing the availability of phosphorus from rock phosphate and other phosphatic fertilizer and evaluation of their effectiveness	In-house	2013- 2016

- (2) How much money is provided for agricultural research apart from salaries and office & other routine expenses by the government of India from year 2001 to 2015 for the last 15 financial years. Give data for each year, the amount provided, the major projects & areas in which the amount was used & how much amount remained unused.

The expenditure for in-house project have been met out from the research grant of institute. For externally funded projects different agencies have extended financial support separately, including ICAR. The detailed information on this may please be sought from Audit and account section (Action Nodal officer RTI/ APIO)

- (3) How many research projects have been unsuccessful in the last 15 year, name & field of research project, main aims of project, amount spent after them & how many projects were successful, money spent after them and out of successful research projects how many were implemented or accepted and results can be seen on ground. If for research projects not implemented, what were the main reasons for non implementation of the projects?

There was no project as unsuccessful one. The mandate of the institute is "to Provide Scientific Basis for Enhancing and Sustaining Productivity of Soil Resources with Minimal Environmental Degradation. Most of the

- (4) What are the substitutes developed for urea, NKP, DAP and other artificial manures. Please provide the various manures, sources of manures, cost of manure, its benefits and other project details. The manure prepared from sewage waste has good potentials, is any research done in this particular field. How much manure from sewage waste is being used today for farming and what is its % as compared to artificial chemical fertilizers.

Information may please be sought from other sections/division. (Action Nodal officer RTI/ APIO)

- (5) How many projects on legume trees have been taken? Has there been any successful implementation of using urea spreading capability of these trees, and green manure utilization of its leaves has been taken in any project. Give details of any such project if successful and its details in soft copy.

There is no information available about legume tree.

- (6) Today the main problem is erosion and pollution of soil and the losing fertility and micro nutrients becoming lesser in soils. Which are the major micro nutrients necessary for the soil to provide healthy crops to the population of the country? Which manures have been developed to replenish the micronutrients in the soil? How much % of soil in the country, and in different states are lacking key micro nutrients. Which are the micro nutrients which are the most lacking in Indian soil, different soils of the states, has any research been done on the above issue, if yes please provide in soft copy.

Information may please be sought from other sections/division. (Action Nodal officer RTI/ APIO)

- (7) Please provide details of any research done to covert the fodder crop into a form easily stored and can be used by the farmers for the entire year as cattle feed. Give details of various projects in this fieldm how many were successful & money spent after it in the last 15 years.

This institute is not conducting research on fodder aspects

- (8) How much of food grains, pulses, cash crops, vegetables & fruits perish due to bad transportation and lack of storage facilities. Give data in %, in tones & according to states & category.

There is no information available on this issue in this institute

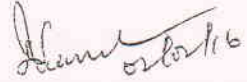
ICAR-Indian Institute of Soil Science
Nabibagh, Berasia Road, Bhopal-462038

Application No. 98-2/IISS/RTI/2016

Date: 02/02/2016

Note

Please find enclosed here with RTI application received from Shri Hemant Verma, 6-B, Kalyannagar Society, opposite vrundavan bus stop, Waghodia Road, Vadodara- 390019 for providing the required information latest by 09.02.2016 positively.

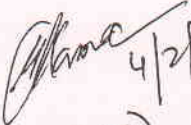

(R. Elanchezhian)
PS & CPIO

To

1. I/c PME
2. All HoDs and PCs

(SB)

*We have compiled relevant answer
in the item number 4 as desired by you.*


4/2/16
R. Elanchezhian

Dr. R. Elanchezhian

RTI Reply:

(04): **What are the substitutes developed for urea, NKP, DAP and other**

artificial manures, cost of manure its benefits and other projects details.

ICAR-IISS has developed various technologies to prepare compost from various types of organic wastes such as crop residues, agro based industrial waste, city garbage and forest litter etc. Different types of compost /manures viz, vermicopost, phosphocompost, phospho-sulph-nitro-compost, microbial enriched compost, MSW compost, press mud compost, city waste compost, distillery effluent waste compost have been prepared and evaluated them as nutrient sources (NPK nutrients) for the crops. Different firms are also producing organic manures namely Agro Phos India Ltd (Indore), Divya Pruthvi Agronomics P Ltd (Pune), Gujarat Fertiliser trading co. (Vadodara), Bagia nursery (Chandigarh), Global enterprise (Ahmedabad), Humiphos - Vasumitra life energy Pvt Ltd (Pune) and Jay enterprise (Mumbai) etc. The comparative cost of producing such manure against the chemical fertilizers, for producing one tonne of enriched phosphocompost, the total cost of raw materials is Rs. 976. In addition a one time cost has to be incurred for the preparation of Kacha heap (12'x7.5'x3.5') which is equal to Rs. 4000/=. It is estimated that 100 kg phosphocompost is equivalent to 3.3 to 5.1 kg urea and 20.2-26.2 kg SSP. The approximate cost of urea-5.4/kg, Diammonium phosphate-Rs 22.5/kg and muriate of potash-Rs 16/kg.

Scientist of IISS, Bhopal had taken various projects for developing efficient composting technologies for waste recycling. The following projects handled in the institute related to compost/organic manure production:

1. Production of compost from organic wastes and evaluation of its maturity indices.
2. A comparison of vermicomposting and conventional composting.
3. Development of composting techniques for recycling of Municipal solid wastes.
4. Network project on organic farming.

Benefits: Organic manure/ compost application, helps in supplying nutrient to plants, maintaining soil health, sustainable productivity and save the cost of chemical fertilizers.

State wise the total compost available in India is given in Table-1.

State-wise details of different organic manures produced /available (lakh mt) and area covered (lakh ha) in different States (2011-12)-

(As per details provided by the states and adjusted against availability of biomass for manuring purpose)

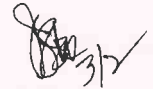
Sr. No	Name of the State	Rural Compost	Urban compost	FYM	Vermicompost	Green Manuring	Other manures	Total Manure Lakh.MT
1.	Andhra Pradesh	48.00	0.11	25.00	1.2	31.69	0	106
2	Arunachal Pradesh	0.005	0	0.002	0.0053	0	0	0.0123
3	Assam	0.95	0.55	0	1.35	0	0	2.85
4	Bihar	16.50	2.75	45.00	2.00	0	0	66.25
5	Chhattisgarh	80.30	3.15	36.00	2.00	2.70	5.00	129.15
6	Goa	1.57	0.022	0	0.015	2.69	0.007	4.304
7	Gujarat	0	0	358.00	0.50	0	5.00	363.5
8	Haryana	10.05	0	7.85	0.50	0	0	18.4
9	Himachal Pradesh	23.00	0.05	12.00	5.50	0	0	40.55
10	Jammu & Kashmir	12.35	0.13	9.603	0.008	0.04	0.0761	22.2071
11	Jharkhand	6.41	0.80	15.41	209.94	1.40	0.49	234.45
12	Karnataka	256.33	98.22	625.40	5.88	106.21	16.58	1108.62
13	Kerala	0.45	0.6	75.00	0.15	4.77	4.02	84.99
14	Madhya Pradesh	45.00	3.50	85.50	2.00	0	0	136
15	Maharashtra	0	0	0	0.17	0	0.65	0.82
16	Manipur	0	0	0.50	0	0	0	0.5
17	Mizoram	0	0	0.045	0.036	0	0	0.081
18	Meghalaya	0	0	0.004	10.57	0	0	10.574
19	Nagaland	0.060	0	0	0.0125	0.089	0	0.1615
20	Orissa	10.77	0.081	0	0.33	0.27	0.04	11.491
21	Punjab	307.50	0.08	0	0.60	33.11	0	341.29
22	Rajasthan	19.752	15.06	252.54	0.036	7.133	0	294.521
23	Sikkim	0.005	0	0	0.0008	0	0	0.0058
24	Tamil Nadu	5.02	0.56	1.29	1.48	0.02	0	8.37
25	Tripura	0	0	0	0	0	0	0
26	Uttar Pradesh	7.93	7.50	275.00	2.306	35.05	0	327.786
27	Uttarakhand	9.20	0.40	0	0.47	0	0.57	10.64
28	West Bengal	78.70	7.30	36.50	21.45	15.89	3.00	162.84
	Total	939.852	140.863	1860.644	268.5096	241.062	35.4331	3486.3637

P&A- Production and Availability (lakh tones), AC- Area covered (lakh ha). 0-means data not provided by the State Government

Date: 03/02/2016

(04) Sub: RTI reply Application No. 98-2/IISS/RTI/2016 dated 02/02/2016

Several peri-urban areas in the country are using sewage effluents, treated or untreated, as a source of irrigation and nutrients to crops. Considering the volume of sewage water generated from Indian cities (50000 million liters per day (MLD)-CPCB, 2009) and its average nutrient content (214, 27, 22 and 23 mg C, N, P and K), it is estimated that such waste water had the potential to supply about 750 mega gram (Mg) N, 250 Mg P and 760 Mg K every day in the agricultural land which was equivalent to about 3.6% of the total fertilizer nutrient nitrogen plus phosphorus pentoxide plus potassium oxide ($N+P_2O_5+K_2O$) consumption in the year of 2007-08.



J.K. Saha
HOD, ESS Division

To
The CPIO,
IISS, Bhopal

Note

With reference to RTI application of Hemant Verma at point no. 6, it is to informed that information ~~is~~ sought regarding micronutrients status has already uploaded on ISS, Bhopal website under PCM section. The detailed reports and deficiency status are also uploaded.

Please refer to www.iss-nic.in

Prind Shubly
22/02/16

R. Elanchezian



भारत-भारतीय मृदा विज्ञान संस्थान

ICAR-INDIAN INSTITUTE OF SOIL SCIENCE



हर कदम, हर उमर
किसानों का हमसफर
भारतीय कृषि अनुसंधान परिषद

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PCM

Dr. A. K. Shukla, PC PCM
Email: akshukla@iiss.res.in

During the initial years of introduction of the modern crop varieties, micronutrient deficiency disorders were discovered as an obstacle to obtain higher yields. In order to delineate the micronutrient deficient areas and to alleviate the nutrition stresses, the Indian Council of Agricultural Research initiated the All India Coordinated Scheme of Micronutrient in Soils and Plants in 1967 with its National Headquarter at the Punjab Agricultural University, Hisar (subsequently shifted to Punjab Agricultural University, Ludhiana in 1970) and 6 Coordinating centre located at Lucknow, Hisar, Jabalpur, Ranchi, Anand and Coimbatore. Later Ludhiana and Hyderabad centres were also created. Realizing the need for micronutrient researches three centres viz. Akola for Maharashtra, Bhubaneswar for Orissa and Pantnagar for Uttar Pradesh were established in the year 1996. The deficiencies of secondary nutrients and toxicities of heavy metal elements were subsequent noticed in many parts of the country.

[Read More...](#)

[Mapping Current Micronutrients Deficiencies in Soils of Uttarakhand for Precise Micronutrient Management](#)

[Mapping and Frequency Distribution of Current Micronutrient Deficiencies in Soils of Telangana](#)

[Status of Micronutrients Deficiencies in Soils of Haryana](#)

[Micronutrients Deficiencies vis-a-vis Food and Nutritional Security of India](#)

[Coordinator Report \(2011-13\)](#)

[Coordinator Report \(2007-10\)](#)

OTHER LINKS

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[Ongoing Projects](#)
[Consentancy Manual](#)

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Indian Institute of Soil Science (IISS), Bhopal
(For any Query regarding the website, Please check the contact details available on the site)

Website Hosted By

National Informatics Centre,
M.P. State Centre
Madhya Pradesh

RTI REQUEST DETAILS

Registration No. :	ICARH/R/2015/80172/1	Date of Receipt :	27/10/2015
Transferred From :	Department of Agricultural Research & Education on 29/10/2015 With Reference Number : ICARH/R/2015/80172		
Remarks :	This RTI subject matter pertains to ICAR, New Delhi.		
Type of Receipt :	Electronically Transferred from Other Public Authority	Language of Request :	English
Name :	hemant varma	Gender :	Male
Address :	6-B, Kalyannagar society, . opposite vrundavan bus - stop., Waghodia Road, Vadodara., Pin:390019		
State :	Gujarat	Country :	India
Phone No. :	+91-2652511170	Mobile No. :	+91-9825829266
Email :	hemantvarma2008@yahoo.com		
Status(Rural/Urban) :	Urban	Education Status :	
Letter No. :	Details not provided	Letter Date :	Details not provided
Is Requester Below Poverty Line ? :	No	Citizenship Status :	Indian
Amount Paid :	0 (Received by Department of Agricultural Research & Education)	Mode of Payment :	Payment Gateway
Does it concern the life or Liberty of a Person ? :	No(Normal)	Request Pertains to :	DR. P.P. BISWAS

(01) In the last 15 years which are the major issues on which the research has been undertaken to increase agricultural output, decrease cost of farming, reducing use of artificial fertilizers insecticides. Please give in brief the various researches undertaken, the year of research started, & the end result of the research & implementation has been done on ground or not.

(02) How much money is provided for agricultural research apart from salaries and office & other routine expenses by the government of India from year 2001 to 2015 for the last 15 financial years. Give data for each year, the amount provided, the major projects & areas in which the amount was used & how much amount remained unused.

(03) How many research projects have been unsuccessful in the last 15 years, name & field of research project, main aims of project, amount spent after them & how many projects were successful, money spent after them and out of successful research projects how many were

We may seek information from P.M.E, all HODs and PCs with a request to send the information on or before 09/12/2016.

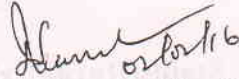
ICAR-Indian Institute of Soil Science
Nabibagh, Berasia Road, Bhopal-462038

Application No. 98-2/IISS/RTI/2016

Date: 02/02/2016

Note

Please find enclosed here with RTI application received from Shri Hemant Verma, 6-B, Kalyannagar Society, opposite vrundavan bus stop, Waghodia Road, Vadodara- 390019 for providing the required information latest by 09.02.2016 positively.


(R. Elanchezhian)
PS & CPIO

To

- ✓ 1. I/c PME
- 2. All HoDs and PCs

Audit and Account Section may be requested to provide information on financial aspects for the desired period in the prescribed format.

APIO

A&A
for needful
information
on financial aspect

11/2/16

Desired information is
furnished in pages enclosed

FAP
CPIO (RTI)

17/2/16

17/2/16
A.F. & A.O.
IISS, Bhopal

NABIBAGH, BERASIA ROAD. BHOPAL

SECTION OFFICER (NRM), INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KRISHI ANUSANDHAN BHAWAN II, PUSA, NEW DELHI-110 012

DATED:

FAX NO 25848356
31.3.2015

REVISÉD ESTIMATES

S.NO BUDGET HEAD		BUDGET ESTIMATES ORIGINALLY APPROVED					REVISED ESTIMATES					TOTAL RE 2014-15	AMOUNT RELEASED BY ICAR (FIGURES IN ACTUAL RUPEES)	ACTUAL EXPENDITURE	% UTILIZATION ON BE/RE UPTO	% UTILIZATION ON RELEASE
		ALLOCATION OTHER THAN NEH, TSP, ARREAR COMPONENT	NEH COMPONENT	TSP COMPONENT	ARREAR COMPONENT	TOTAL BE 2014-15	ALLOCATION OTHER THAN NEH, TSP, ARREAR COMPONENT	NEH COMPONENT	TSP COMPONENT	ARREAR COMPONENT						
1	INSTITUTE NON PLAN	859.00	0.00	0.00		859.00					0.00	978.00	945.10		31.3.2015	31.3.2015
	PENSION & RETIREMENT BENEFIT	55.00				55.00					0.00		55.12			
	LOANS AND ADVANCES	15.00				15.00					0.00		5.87			
	TOTAL NON PLAN IISS	929.00	0.00	0.00	0.00	929.00	0.00	0.00	0.00	0.00	0.00	978.00	1006.03	105.30	102.87	
2	NP SCHEME MSN	46.00	0.00	0.00		46.00					0.00	46.32	46.37	100.80	100.11	
3	NP SCHEME STCR	31.00	0.00	0.00		31.00					0.00	25.73	24.36	78.58	94.68	
	TOTAL NON PLAN	1006.00	0.00	0.00	0.00	1006.00	0.00	0.00	0.00	0.00	0.00	1050.05	1076.82			
1	IISS PLAN BUDGET	225.00	0.00	50.00		275.00	155.14	0.86			156.00	180.00	155.84	56.67	86.58	
2	PLAN AICRP-MSN	640.00	10.00	100.00	0.00	750.00	600.00	10.00	0.00	65.00	0.00	675.00	674.96	90.00	99.99	
3	PLAN AICRP-STGR	650.00	0.00	125.00	0.00	775.00	580.00	0.00	0.00	100.00	0.00	680.00	679.99	87.74	100.00	
4	PLAN AICRP-LTFF	375.00	10.00	100.00	0.00	485.00	310.00	0.00	0.00	34.00	0.00	344.00	343.99	70.93	100.00	
5	NETWORK ON BF	180.00	20.00	50.00	0.00	250.00	165.00	10.00	0.00	10.00	0.00	185.00	185.00	74.00	100.00	
6	CRP ON CA PLATFORM	5.00				5.00	5.00				5.00	5.00	4.99	99.80	99.80	
	TOTAL PLAN SCHEME	2070.00	40.00	425.00	0.00	2535.00	1815.14	20.00	0.00	209.86	0.00	2064.00	2039.79	80.46	98.83	
	TOTAL PLAN & NON PLAN	3076.00	40.00	425.00	0.00	3541.00	1815.14	20.00	0.00	209.86	0.00	3114.05	3116.61	88.01	100.08	

gunts.ikar@yahoo.com, shakhtia@lisa.res.in, budget.lear@gmail.com, dlr_aoo@rediffmail.com, musingh@lisa.res.in, pmshad@lisa.res.in, mshad@lisa.res.in, anupam.rajpust@yahoo.com, cmuneshwarling@gmail.com, cpocst@gmail.com, rainer.km_crainger_km@yahoo.com, at@lisa.res.in, vadrashri@gmail.com, rajinder_km_crainger_km@yahoo.com, rao_cao@lisa.res.in, shapara10708@yahoo.com, atb63@yahoo.com, rschadudhary69@gmail.com, kmh@lisa.res.in, shreshth_kumar@yahoo.com, raamech@yahoo.co.in, rk4520m@yahoo.co.in, pmeclan@yahoo.com, rareshk_2006@yahoo.com, narindhar19154@gmail.com, FAO.IJSS2014@GMAIL.COM, VARINDHAR19154@GMAIL.COM, ELANRC@gmail.com, arvindnsd243@yahoo.co.in, BHARATI1@gmail.com, MOHAN1TYWISC@gmail.com, SUNN79340@GMAIL.COM, somajajayraman@yahoo.co.in, jais64@rediffmail.com, kiranyadav73485@yahoo.com, jais64@rediffmail.com, anupam.rajpust@yahoo.com, smiles2870@yahoo.com, banatansod@yahoo.com, ajay70151963@gmail.com, venmyjoy_venmyjoy@gmail.com, silver196@rediffmail.com, skundini_skundini@rediffmail.com, nilekna_nilekna@yahoo.com, ashish2000_kk_ashish2000@yahoo.com, rschadudhary69@gmail.com, atb63@yahoo.com, shapara10708@yahoo.com, raamech@yahoo.co.in, rk4520m@yahoo.co.in, pmeclan@yahoo.com, rareshk_2006@yahoo.com, narindhar19154@gmail.com, FAO.IJSS2014@GMAIL.COM, VARINDHAR19154@GMAIL.COM, ELANRC@gmail.com, arvindnsd243@yahoo.co.in, BHARATI1@gmail.com, MOHAN1TYWISC@gmail.com, SUNN79340@GMAIL.COM, somajajayraman@yahoo.co.in, jais64@rediffmail.com, kiranyadav73485@yahoo.com, jais64@rediffmail.com, anupam.rajpust@yahoo.com, smiles2870@yahoo.com, banatansod@yahoo.com, ajay70151963@gmail.com, venmyjoy_venmyjoy@gmail.com, silver196@rediffmail.com, skundini_skundini@rediffmail.com, nilekna_nilekna@yahoo.com, ashish2000_kk_ashish2000@yahoo.com, rschadudhary69@gmail.com, atb63@yahoo.com, shapara10708@yahoo.com, raamech@yahoo.co.in, rk4520m@yahoo.co.in, pmeclan@yahoo.com, rareshk_2006@yahoo.com, narindhar19154@gmail.com, FAO.IJSS2014@GMAIL.COM, VARINDHAR19154@GMAIL.COM, ELANRC@gmail.com, arvindnsd243@yahoo.co.in, BHARATI1@gmail.com, MOHAN1TYWISC@gmail.com, SUNN79340@GMAIL.COM, somajajayraman@yahoo.co.in, jais64@rediffmail.com, kiranyadav73485@yahoo.com, jais64@rediffmail.com, anupam.rajpust@yahoo.com, smiles2870@yahoo.com, banatansod@yahoo.com, ajay70151963@gmail.com, venmyjoy_venmyjoy@gmail.com, silver196@rediffmail.com, skundini_skundini@rediffmail.com, nilekna_nilekna@yahoo.com, ashish2000_kk_ashish2000@yahoo.com, rschadudhary69@gmail.com, atb63@yahoo.com, shapara10708@yahoo.com, raamech@yahoo.co.in, rk4520m@yahoo.co.in, pmeclan@yahoo.com, rareshk_2006@yahoo.com, narindhar19154@gmail.com, FAO.IJSS2014@GMAIL.COM, VARINDHAR19154@GMAIL.COM, ELANRC@gmail.com, arvindnsd243@yahoo.co.in, BHARATI1@gmail.com, MOHAN1TYWISC@gmail.com, SUNN79340@GMAIL.COM, somajajayraman@yahoo.co.in, jais64@rediffmail.com, kiranyadav73485@yahoo.com, jais64@rediffmail.com, anupam.rajpust@yahoo.com, smiles2870@yahoo.com, banatansod@yahoo.com, ajay70151963@gmail.com, venmyjoy_venmyjoy@gmail.com, silver196@rediffmail.com, skundini_skundini@rediffmail.com, nilekna_nilekna@yahoo.com, ashish2000_kk_ashish2000@yahoo.com, rschadudhary69@gmail.com, atb63@yahoo.com, shapara10708@yahoo.com, raamech@yahoo.co.in, rk4520m@yahoo.co.in, pmeclan@yahoo.com, rareshk_2006@yahoo.com, narindhar19154@gmail.com, FAO.IJSS2014@GMAIL.COM, VARINDHAR19154@GMAIL.COM, ELANRC@gmail.com, arvindnsd243@yahoo.co.in, BHARATI1@gmail.com, MOHAN1TYWISC@gmail.com, SUNN79340@GMAIL.COM, somajajayraman@yahoo.co.in, jais64@rediffmail.com

(RAJESH DUBEY)

A.F. & A.O.
ISO, Bhopal

NABIBAGH, BERASIA ROAD. BHOPAL

FAX NO 25818366

DATED:

SECTION OFFICER (NRM), INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KRISHI ANUSANDHAN BHAWAN II, PUSA, NEW DELHI-110 012

STATEMENT OF BUDGET ALLOCATION MADE BY COUNCIL DURING 2013-14

OPY TO:

counters.kar@yahoo.com, akshika123@iis.res.in, arino@iis.res.in, arao_lis@yahoo.co.in, budget.licar@gmail.com, din_rao@rediffmail.com, rajendra_kumar@yahoo.com, war_saa@iis.res.in, shikha1200@yahoo.com, nitika%20sakenagad@gmail.com, urupak1980@gmail.com, machirajagopal.com, mcmg@iis.res.in, tharapadur@yahoo.com, raathie@yahoo.com, techarudharg69@gmail.com, krm@iis.res.in, praveen_2006@yahoo.com, raathie@yahoo.com, j4522mb@yahoo.co.in, krmellises@gmail.com, venkath_2006@yahoo.com, raathie@yahoo.com, j4522mb@yahoo.co.in, krmellises@gmail.com

(RAJESH DUBEY)

hri@gmail.com, "rajinder_km"
m, hiralgupta81@yahoo.com,

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U.S.S. Bhopal

NABIBAGH, BERASIA ROAD, BHOPAL

KIND ATTENTION TO:

SECTION OFFICER (NRM). INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KRISHI ANUSANDHAN BHAWAN II, PUSA, NEW DELHI-110 012

FAX NO 25848366
31.3.2013

NOISE DURING 2012-13	BUDGET ESTIMATES ORIGANALLY APPROVED	REVISED ESTIMATES APPROVED

COPY TO:

A.F. & A.O.

(RAJESH DUBEY)
com, s: A.F. & A.O.

A.F. & A.O.
U.S.S. Bhopal

NON PLAN BUDGET												(RS IN LAKHS)											
NON PLAN BUDGET												XTH PLAN EFC PERIOD											
HEAD OF ACCOUNT												A. RECURRING											
1	1997-98		1998-99		1999-2000		2000-2001		2001-2002		TOTAL		2002-03		2003-04		2004-05		2005-06		2006-07		TOTAL
	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI	Col 2 to 6	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI		
2	3	4	5	6	7	8	9	10	11	12	13												
A. RECURRING																							
PAY & ALLOWANCE	60.93	101.88	121.77	135.63	137.89	558.10						152.96	156.92	173.54	190.50	181.35	855.27						
T.A.	0.34	0.50	1.00	0.90	0.99	3.73	T.A.					1.00	1.10	1.20	1.60	1.60	6.50						
H.R.D.					0.00	0.00	H.R.D.										0.00						
CONTINGENCIES	1.66	6.99	9.74	13.78	13.00	45.17	CONTINGENCIES					19.96	19.99	20.94	19.99	18.51	99.39						
TOTAL(A)	62.93	109.37	132.51	150.31	151.88	607.00	TOTAL(A)					173.92	178.01	195.68	212.09	201.46	961.16						
B. NON RECURRING							B. NON RECURRING									0.00	0.00						
EQUIPMENTS						0.00	EQUIPMENTS										0.00						
WORKS	3.98	0.00	18.49	14.00	20.00	56.47	WORKS					19.89	19.90	24.35	20.40	11.73	96.27						
LIBRARY						0.00	LIBRARY										0.00						
LAND						0.00	LAND										0.00						
VEHICLES						0.00	VEHICLES					0.00	0.00	0.00	0.00	0.00	0.00						
LIVESTOCKS						0.00	LIVESTOCKS										0.00						
OTHERS(INCLUDING FURNITURE)						0.00	OTHERS(INCLUDING FURNITURE)										0.00						
TOTAL(B)	3.98	0.00	18.49	14.00	20.00	56.47	TOTAL(B)					19.89	19.90	24.35	20.40	11.73	96.27						
GRAND TOTAL (A+B)	66.91	109.37	151.00	164.31	171.88	663.47						193.81	197.91	220.03	232.49	213.19	1057.43						

REVENUE RECEIPT

8.55

11.79

L.F. & A.O.
U.S.S. Bhopal

5

IISS-NON PLAN BUDGET						
	1997-98	1998-99	1999-2000	2000-2001	2001-2002	TOTAL
A. RECURRING	ACTUALS EXPENDI	ACTUALS EXPENDI	ACTUALS EXPENDI	ACTUAL EXPENDI	ACTUAL EXPENDI	Col 2 to 6
1	2	3	4	5	6	7
PAY & ALLOWANCE	60.93	101.88	121.77	135.63	137.89	558.10
T.A.	0.34	0.50	1.00	0.90	0.99	3.73
H.R.D.					0.00	0.00
CONTINGENCIES	1.66	6.99	9.74	13.78	13.00	45.17
TOTAL(A)	62.93	109.37	132.51	150.31	151.88	607.00
B. NON RECURRING						0.00
EQUIPMENTS						56.47
WORKS	3.98	0.00	18.49	14.00	20.00	0.00
LIBRARY						0.00
LAND						0.00
VEHICLES						0.00
LIVESTOCKS						0.00
OTHERS(INCL.						0.00
FURNITURE)						0.00
TOTAL(B)	3.98	0.00	18.49	14.00	20.00	56.47
GRAND TOTAL						0.00
(A+B)	66.91	109.37	151.00	164.31	171.88	663.47

~~100~~
A.F. & A.O.
IISS, Bhopal

6

(RS IN LAKHS)

ICAR SHARE ONLY

(RS IN LAKHS)

ORIGINALLY APPROVED XI TH PLAN EFC

JISS BHOPAL PLAN BUDGET

ORIGINALY APPROVED XI TH PLAN EFC																										
IISS BHOPAL PLAN BUDGET																										
(RS IN LAKHS)																										
ACTUAL EXPENDITURE																										
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ICAR SHARE ONLY

(RS. IN LAKHS)

ISS PLAN AICRP - MSN										ICAR SHARE ONLY										ACTUAL EXPENDITURE										ALLOCATION		EXCESS	
A. RECURRING		XITH PLAN EFC PERIOD ORIGINALLY APPROVED								TOTAL		2007-08		2008-09		2009-10		2010-11		2011-12		TOTAL		AS PER		SAVING							
		2007-08	2008-09	2009-10	2010-11	2011-12	ACTUAL	TOTAL	2007-08	2008-09	2009-10	2010-11	2011-12	ACTUAL	TOTAL	2007-08	2008-09	2009-10	2010-11	2011-12	ACTUAL	TOTAL	IN XITH PLAN	IN XITH PLAN	SAVING								
		173.55	150.33	149.71	292.04	146.14	911.77	126.84	218.46	149.93	186.55	497.34	1179.12	911.78	-267.34																		
	PAY & ALLOWANCE.	3.45	3.50	5.50	6.00	6.55	25.00	4.98	4.97	5.85	5.55	5.50	26.85	25.00	-1.85																		
	T. A.		0.00	0.00	0.00	0.00	0.00							0.00																			
	H. R. D.	29.88	55.00	70.00	79.31	97.61	331.80	94.83	95.58	64.73	85.77	182.10	523.01	331.80	-191.21																		
	CONTINGENCIES	206.88	208.83	225.21	377.35	250.30	1268.57	226.65	319.01	220.51	277.87	684.94	1728.98	1268.58	-460.40																		
	TOTAL (A)									76.00	22.06	35.00	133.06	327.25	194.19																		
	B. NON RECURRING	28.00	124.66	108.70	37.80	28.10	327.26							27.25	27.25																		
	EQUIPMENT		27.25				27.25							0.00	0.00																		
	WORKS						0.00							0.00	0.00																		
	LIBRARY						0.00							0.00	0.00																		
	LAND						0.00							0.00	0.00																		
	VEHICLES						0.00							0.00	0.00																		
	LIVE STOCKS						0.00							0.00	0.00																		
	TSP					0.00	0.00							354.50	221.44																		
	TOTAL (B)	28.00	151.91	108.70	37.80	28.10	354.51	0.00	0.00	76.00	22.06	35.00	133.06	1623.08	-238.96																		
	GRAND TOTAL	234.88	360.74	333.91	415.15	278.40	1623.08	226.65	319.01	296.51	299.93	719.94	1862.04	1623.08	-238.96																		
															ICAR SHARE ONLY																		

ICAR SHARE ONLY

A.P. & A.O.
JISS, Bhopal

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PLAN BUDGET		IXTH PLAN PERIOD										XTH PLAN PERIOD										TOTAL	
HEAD OF ACCOUNT	1997-98	1998-99		1999-2000		2000-2001		2001-02		GRAND TOTAL OF IX PLAN 62 TO 6	2002-03	2003-04		2004-05		2005-06		2006-07	TOTAL				
	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL	EXPENDI	ACTUAL			EXPEN	ACTUAL	EXPEN	ACTUAL	EXPEN	ACTUAL			EXPEN			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20				
A. RECURRING																							
PAY & ALLOWANCE	2.02	1.78	0.93		0				0	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
T.A.	1.2	2.49	4		3.99				14.22	0.00	3.89	4.00	4.61	4.48	0.00	4.48	3.40	20.38					
H.R.D.	NIL	NIL								0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
CONTINGENCIES	25.37	2.4	44.68	44.72	46.63	163.8	182.75	50.62	182.75	63.99	55.76	52.63	61.53	72.98	66.01	76.38	306.89	327.27					
TOTAL(A)	28.59	6.67	49.61	47.26	50.62	182.75	182.75	50.62	182.75	67.88	59.76	57.24	66.01	76.38	66.01	76.38	306.89	327.27					
B. NON RECURRING																							
EQUIPMENTS	12.55	45.65	45.45	55.91	57.01	216.57	216.57	38.33	216.57	33.77	9.67	83.40	80.01	70.70	80.01	70.70	277.55	277.55					
WORKS	99.45	69.15	89.98	12.35	38.33	309.26	309.26	14.03	309.26	13.56	3.32	40.05	40.29	6.25	40.29	6.25	103.47	103.47					
LIBRARY	8.24	12.3	12.08	13.2	14.03	59.85	59.85		59.85	16.80	19.04	19.25	19.77	18.50	19.77	18.50	93.36	93.36					
LAND	0	0	0			0	0		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
VEHICLES	0	0	0			0	0		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
LIVESTOCKS	0	0	0			0	0		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
OTHERS(INCLUDING FURNITURE)	3.31	26.14	1.92	4.8						5.45	0.14	0.00	3.79	0.91	3.79	0.91	10.29	10.29					
TOTAL(B)	123.55	153.24	149.43	86.26	109.37	621.85	621.85		621.85	69.58	32.17	142.70	143.86	96.36	143.86	96.36	484.67	484.67					
GRAND TOTAL (A+B)	152.14	159.91	199.04	133.52	159.99	804.6	804.6		804.6	137.46	91.93	199.94	209.87	172.74	209.87	172.74	811.94	811.94					

100
A.C.
BSS, Bhopal

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IISS-PLAN BUDGET											
	1997-98		1998-99		1999-2000		2000-2001		2001-02		GRAND
	ACTUALS	EXPENDI	ACTUALS	EXPENDI	ACTUALS	EXPENDI	ACTUALS	EXPENDI	ACTUALS	EXPENDI	TOTAL
A. RECURRING											OF IX PLAN
	2	3	4	5	6	2 TO 6					
1											
PAY & ALLOWANCE	2.02	1.78	0.93	0.00	0	4.73					
T.A.	1.20	2.49	4.00	2.54	3.99	14.22					0.00
H.R.D.	NIL	NIL	NIL	0.00		163.80					
CONTINGENCIES	25.37	2.40	44.68	44.72	46.63						
TOTAL(A)	28.59	6.67	49.61	47.26	50.62	182.75					0.00
B. NON RECURRING											
EQUIPMENTS	12.55	45.65	45.45	55.91	57.01	216.57					
WORKS	99.45	69.15	89.98	12.35	38.33	309.26					
LIBRARY	8.24	12.30	12.08	13.20	14.03	59.85					
LAND	0.00	0.00	0.00			0.00					0.00
VEHICLES	0.00	0.00	0.00			0.00					0.00
LIVESTOCKS	0.00	0.00	0.00			0.00					0.00
OTHERS(INCL.											
FURNITURE)	3.31	26.14	1.92	4.80	109.37	36.17					
TOTAL(B)	123.55	153.24	149.43	86.26		621.85					0.00
GRAND TOTAL											
(A+B)	152.14	159.91	199.04	133.52	159.99	804.60					

[Signature]

A.F. & A.O
USS, Bhopal

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Though resource generation is not high at the Institute, the IISS is conscious of resource

Year	Rupees in lakhs
2006-07	12.82
2007-08	17.84
2008-04	15.53
2009-10	16.9
2010-11	20.7
Total	83.79

~~180~~ 2008-09 & A.O.
ISS, Bhopal

A. RECURRING	ACTUAL EXPENDITURE					TOTAL
	2007-08 ACTUAL	2008-09 ACTUAL	2009-10 ACTUAL	2010-11 ACTUAL	2011-12 ACTUAL	
PAY & ALLOWANCE	16.21	23.68	35.05	35.42	38.97	149.33
T. A.	0.72	0.45	0.67	0.98	1.00	3.82
H. R. D.						
CONTINGENCIES	0.92	1.96	1.73	1.00	2.80	8.41
TOTAL (A)	17.85	26.09	37.45	37.40	42.77	161.56
B. NON RECURRING						
EQUIPMENT						
WORKS						
LIBRARY						
LAND						
VEHICLES						
LIVE STOCKS						
TSP						
TOTAL (B)	0.00	0.00	0.00	0.00	0.00	0.00
GRAND TOTAL						
(A + B)	17.85	26.09	37.45	37.40	42.77	161.56

IISS NON PLAN AICRP - STCR						
A. RECURRING	ACTUAL EXPENDITURE					TOTAL
	2007-08 ACTUAL	2008-09 ACTUAL	2009-10 ACTUAL	2010-11 ACTUAL	2011-12 ACTUAL	
PAY & ALLOWANCE	13.20	12.85	23.01	20.22	25.53	94.81
T. A.	0.37	0.01	0.08	0.50	1.00	1.96
H. R. D.						
CONTINGENCIES	0.41	1.20	0.56	0.50	1.88	4.55
TOTAL (A)	13.98	14.06	23.65	21.22	28.41	101.32
B. NON RECURRING						
EQUIPMENT						0.00
WORKS						0.00
LIBRARY						0.00
LAND						0.00
VEHICLES						0.00
LIVE STOCKS						0.00
TSP						0.00
TOTAL (B)	0.00	0.00	0.00	0.00	0.00	0.00
GRAND TOTAL						
(A + B)	13.98	14.06	23.65	21.22	28.41	101.32

ICAR SHARE ONLY														(RS. IN LAKHS)			
IISS PLAN AICRP - STCR		XITH PLAN EFC PERIOD ORIGINALLY APPROVED						ACTUAL EXPENDITURE						ALLOCATION		EXCESS	
		2007-08	2008-09	2009-10	2010-11	2011-12	TOTAL	2007-08	2008-09	2009-10	2010-11	2011-12	TOTAL	AS PER	IN XITH PLAN	SAVING	
						ACTUAL		ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL					
A. RECURRING																	
PAY & ALLOWANCE		240.66	153.35	192.05	228.31	258.84	1073.21	240.13	166.28	149.48	176.93	560.16	1292.98	1073.27		-219.71	
T. A.		3.19	4.45	4.45	4.45	4.45	20.99	3.19	3.45	4.50	4.45	5.50	21.09	20.99		-0.10	
H. R. D.							0.00						0.00			0.00	
CONTINGENCIES		26.15	34.53	28.30	36.18	36.68	161.84	26.15	38.82	59.35	36.02	54.02	214.36	161.83		-52.53	
TOTAL (A)		270.00	192.33	224.80	268.94	299.97	1256.04	269.47	208.55	213.33	217.40	619.68	1528.43	1256.09		-272.34	
B. NON RECURRING																	
EQUIPMENT			44.80	36.65	31.13	0.00	112.58		44.80	36.65	32.60	0.32	114.37	112.53		-1.84	
WORKS			16.88				16.88		16.88	0.00	0.00		16.88	16.88		0.00	
LIBRARY							0.00						0.00			0.00	
LAND							0.00						0.00			0.00	
VEHICLES							0.00						0.00			0.00	
LIVE STOCKS							0.00						0.00			0.00	
TSP						0.00	0.00						0.00			0.00	
TOTAL (B)		0.00	61.68	36.65	31.13	0.00	129.46	0.00	61.68	36.65	32.60	0.32	131.25	129.41		-1.84	
GRAND TOTAL		270.00	254.01	261.45	300.07	299.97	1385.50	269.47	270.23	249.98	250.00	620.00	1659.68	1385.50		-274.18	
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ISS PLAN AICRP - LIFE													ACTUAL EXPENDITURE													ALLOCATION		EXCESS	
XITH PLAN EFC PERIOD ORIGINALLY APPROVED													ACTUAL EXPENDITURE													AS PER		SAVING	
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	2012-13 ACT	2013-14 ACT	2014-15 BE	2015-16	2016-17	TOTAL RAND TOT
A						
GRANT IN AID- CAPITAL	0.00	15.00	345.00	340.00	700.00	700.00
1 WORKS	0.00	0.00	0.00	0.00	0.00	0.00
2 EQUIPMENTS	26.00	6.58	100.00	88.42	231.00	231.00
3 INFORMATION TECHNOLOGY	10.00	0.40	10.00	15.00	49.00	49.00
4 LIBRARY BOOKS AND JOURNALS	38.98	-0.84	30.00	20.00	11.86	100.00
5 VEHICLES AND VESSELS	0.00	0.00	0.00	20.00	0.00	20.00
7 FURNITURE AND FIXTURES	0.00	0.24	9.76	0.00	0.00	10.00
GRAND TOTAL CAPITAL	74.98	6.38	74.76	500.00	453.88	1110.00
B						
REVENUE EXPENDITURE						0.00
GRANT IN AID-SALARY						0.00
1 ESTABLISHMENT EXPENSES	0.00	0.00	0.00	0.00	0.00	0.00
A. SALARIES	0.00	0.00	0.00	0.00	0.00	0.00
1B PENSION AND OTHER RETIREMENT	0.00	0.00	0.00	0.00	0.00	0.00
1C LOANS AND ADVANCES	0.00	0.00	0.00	0.00	0.00	0.00
GRAND TOTAL (B) -SALARY	0.00	0.00	0.00	0.00	0.00	0.00
C						
GRANT IN AID-GENERAL						0.00
2 TRAVELLING ALLOWANCE						0.00
2A TA - DOMESTIC	15.00	9.60	14.76	20.64	20.00	80.00
2B TA - FOREIGN	0.00	0.00	0.00	5.00	0.00	5.00
3A RESEARCH EXPENSES	32.00	9.50	25.00	62.00	96.50	225.00
3B OPERATIONAL EXPENSES	44.00	2.57	25.00	54.00	53.88	179.45
4 ADMINISTRATIVE EXPENSES	0.00	62.86	0.00	22.14	10.00	95.00
4A INFRASTRUCTURE	9.00	54.93	10.00	8.00	0.00	81.93
4B COMMUNICATION	5.00	2.95	5.00	5.00	0.00	17.95
4C (i) EQUIPMENTS, VEHICLE & OTHERS	15.00	3.52	5.00	5.00	5.00	33.52
4C (ii) OFFICE BUILDING	10.00	5.30	7.00	10.00	0.00	32.30
4C (iii) RESIDENTIAL BUILDING	10.00	0.00	5.00	10.00	0.00	25.00
4C (iv) MINOR WORKS	15.00	0.04	48.00	20.00	15.00	98.04
5A HRD INDIA	0.00	1.81	5.00	5.00	5.00	16.81
5B HRD ABROAD	0.00	0.00	0.00	0.00	0.00	0.00
TSP	20.00	0.00	50.00	15.00	15.00	100.00
NEH	0.00	0.00	0.00	0.00	0.00	0.00
GRAND TOTAL (C) -GENERAL	175.00	153.08	199.76	241.78	220.38	990.00
GRAND TOTAL (A,B,C)	249.98	159.46	274.52	741.78	674.26	2100.00

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ISS NON PLAN			ACTUAL EXPENDITURE						TOTAL
			2007-08 ACTUAL	2008-09	2009-10 ACTUAL	2010-11 ACTUAL	2011-12 ACTUAL		
				ACTUAL					
A. RECURRING									
PAY & ALLOWANCE	213.77	350.51	613.39	567.93	608.30	2353.90			
T. A.	1.34	1.50	1.10	2.63	2.98	9.55			
H. R. D.	0.00			0.00					
CONTINGENCIES	11.14	14.71	15.85	19.11	73.29	134.10			
TOTAL (A)	226.25	366.72	630.34	589.67	684.57	2497.55			
B. NON RECURRING									
EQUIPMENT	15.50	14.99	9.43	4.98	25.41	70.31			
WORKS						0.00			
LIBRARY						0.00			
LAND						8.40			
VEHICLES		8.40				0.00			
LIVE STOCKS						0.00			
TSP						83.84			
TOTAL (B)	15.50	23.39	9.43	5.11	30.41	2581.39			
GRAND TOTAL									
(A + B)	241.75	390.11	639.77	594.78	714.98				

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U.S.S. Mutual