



BY SPEED POST/FAX/MAIL

भाकृअनुप-भारतीय मृदा विज्ञान संस्थान

नबीबाग बैरसिया रोड, भोपाल- 462038 (म.प्र.)

ICAR-Indian Institute of Soil Science

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

Tel. No. (0755)2747375 EPABX:2730970/2734221 (Ext. No. 242 & 101) Fax. No. (0755) 2733310

Web: www.iiss.icar.gov.in



Application No. 265-09/IISS/RTI/2022

Dated 21/10/2022

To,

Mr. Sunil Sood
C-8, Chanakyapuri, Chunabhatti
Kolar Road, Bhopal – 462016

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

Dear Sir,

Please find enclosed herewith the information (five pages) in response to your RTI application No. 265-09/IISS/RTI/2022 dated 30/09/2022 received by online- (registration no. IIOSS/R/E/22/00011 dated 30/09/2022). Kindly acknowledge the receipt of this reply letter along with enclosure (five pages). Further it is informed that the Appellate Authority is Director, ICAR-IISS, Bhopal and his telephone no. is 0755-2730946.

Yours sincerely

Encl: Information containing five pages

(R. Elanchezian)

PS & Nodal Officer RTI cum-CPIO (Scientific)

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

1 : Objective of the organization

Reply:

The Institute has the mission of "Providing scientific basis for enhancing and sustaining productivity of soil resources with minimal environmental degradation" with following mandates:

- a) Basic and strategic research on physical, chemical and biological processes in soils related to management of nutrients, water and energy
- b) Advanced technologies for sustainable soil health and quality
- c) Coordinate the network research with State Agricultural Universities, National, International and other Research Organizations

Reply of 2 to 7 are given in below :



भा.कृ.अनु.प.-भारतीय मृदा विज्ञान संस्थान

नबीबाग, बैरसिया रोड, भोपाल - 462038

ICAR-Indian Institute of Soil Science

Nabibagh, Berasia Road, Bhopal - 462 038 (M.P.)

Tel. No.(0755)2730970/2734221 (Ext. No. 233 & 256) Fax. No. (0755) 2733310



F.No. 12-79/2018-Estt.(RTI)

Dated: 20/10/2022

To,


CPIO RTI,
ICAR-IISS, Bhopal.

Ref: Note No. 265-09/IISS/RTI/2022 dated 04.10.2022

Sir,

The requisite information is given below:

S. NO.	S. No. of the application	Particular	Reply/Information	
1.	2	Name of the head of the organization with contact details	Dr. Madhab Chandra Manna, Acting Director. Phone:0755-2730946	
2.	3	Number of permanent employees of different grades	94	
3.	4	No. of part time and contract employees	Contractual Staff: 54 (Payment has been made by office) Contractual Staff: -122 (Payment has been made through contractor)	
4.	5	Total annual budget of organization in Rupees	2020-2021 Rs. 2296,66,000/-	2021-2022 Rs.2458,71,000/-
5.	6.	Total annual salary paid to all grades of permanent and other employees including perks, PF Gratuity etc.	2020-2021 Rs. 1623,85,792/-	2021-2022 Rs. 1754,99,969/-
6.	7.	Total amount spent in meeting the objectives of the organization	2020-2021 Rs. 2270,87,628/-	2021-2022 Rs. 2459,69,438/-


(Anupam S. Rajput)
Assistant Administrative Officer

8. The details of the works carried out in collaboration with other National and International organizations

Reply:

6. Linkages and Collaborations

The Institute has linkages with several ICAR institutes and SAUs located throughout the country. The three AICRPs (LTFE, MSPE & STCR) and an AINP on SBB stationed at ICAR-IISS Bhopal have 82 cooperating centers spread across almost all the SAUs of the country. As lead centre, the Institute is undertaking platform project of CRP on Conservation Agriculture and external funded projects (INDO-UK Nitrogen centre, National Agricultural Science Fund, DST, DBT, NICRA) involving linkage with several ICAR Institutes. Also, efforts have been

made to strengthen research collaborative activities with SAUs through guidance of PG students by the Institute scientists. Besides, several private firms, viz., Zuari Agro Chemicals Ltd.; Indofil Industries Ltd.; SNF Pvt. Ltd, Vishakhapatanam; and Hindustan Copper Ltd., Malanjkhand, Rhodia Specialty Chemicals India limited, Mumbai, M/s Grasim Industries Limited, Nagda, Ujjain, M.P. and UPL Pvt. Ltd. Mumbai are collaborating with the Institute on various R&D activities.

List of co-operating centres under AICRPs/AINP

Name of Employee	No. of Cooperating Centres		
	ICAR	SAUs/ SGUs	Total
AICRP on LTFE UAS GKVK, Bangalore; OUAT, Bhubaneswar; TNAU, Coimbatore; PJTSAU, Hyderabad; JNKVV, Jabalpur; PAU, Ludhiana; CSKHPKV, Junagarh; MPUAT, Udaipur; VNMAU, Parbhani; Dr PDKV, Akola; IGKVV, Raipur; ICAR-IARI, New Delhi; ICAR-CRIJAF, Barrackpore; ICAR-IASRI, New Delhi	3	15	18
AICRP on MSPE PJTSAU, Hyderabad; RAU, Pusa; AAU, Anand; HAU, Hisar; JNKVV, Jabalpur; Dr PDKV, Akola; OUAT, Bhubaneswar; PAU, Ludhiana; TNAU, Coimbatore; GBPUAT, Pantnagar; AAU, Jorhat; BCKV, Kalyani; RAU, Ranchi; CSKHPKV, Palampur; CSAUAT, Kanpur; KAU Kerala; UAS Bengaluru; CAU, Manipur; NI-ANP Bengaluru; ICAR-IARI, New Delhi; RLBCAU, Jhansi	2	19	21
AICRP on STCR PJTSAU, Hyderabad; RAU, Pusa; IGKV, Raipur; ICAR-IARI, New Delhi; HAU, Hisar; HPKV, Palampur; GKVK, Bengaluru; KAU, Vellanikara; JNKVV, Jabalpur; MPKV, Rahuri; OUAT, Bhubaneswar; PAU, Ludhiana; SKRAU, Bikaner; TNAU, Coimbatore; GPUAT, Pantnagar; BCKVV, Kalyani; ICAR-CRIJAF, Barrackpore; PAJANCOA, Puduchery; BHU, Varanasi; AAU, Jorhat; JAU, Gujarat; SKUAT, Srinagar; BAU, Ranchi; ICAR-IISR, Lucknow; ICAR-Complex, Manipur	4	21	25
AINP on Soil Biodiversity-Biofertilizers AAU, Jorhat; ANGRAU, Amaravathi; BAU, Ranchi; HAU, Hisar; JNKVV, Jabalpur; KAU, Thrissur; KAU, Vellayani; MAU, Parbhani; MPUAT, Udaipur; OUAT, Bhubaneswar; RAU, Pusa; TNAU, Coimbatore; YSPUHF, Solan; CRRI, Hazaribagh; University of Delhi, New Delhi; ICAR-IARI, New Delhi; DGR, Junagarh; GBPUAT, Pantnagar; UAS, Dharwad	3	15	18



6. LINKAGES AND COLLABORATION

The Institute has linkages with several ICAR institutes and SAUs located throughout the country. The three AICRPs (LTFE, MSPE&STCR) and an AINP on SBB stationed at ICAR-IISS Bhopal have 82 cooperating centers spread across almost all the SAUs of the country. As lead centre, the Institute is undertaking platform project of CRP on Conservation Agriculture and external funded projects (INDO-UK Nitrogen centre, National Agricultural Science

Fund, DST, DBT, NICRA) involving linkage with several ICAR Institutes. Also, efforts have been made to strengthen research collaborative activities with SAUs through guidance of PG students by the Institute scientists. Besides, several private firms, viz., Hindustan Copper Ltd., Malanjkhand, M/s Grasim Industries Limited, Nagda, Ujjain, M.P., UPL Pvt. Ltd, Mumbai, M/s Privi Life Science, Mumbai are collaborating with the Institute on various R&D activities.

List of Co-operating Centres under AICRPs/AINP

AICRPs/AINP	No. of Cooperating Centres		
	ICAR	SAUs/SGUs	Total
AICRP on LTFEU ASGKVK, Bangalore; OUAT, Bhubaneswar; TNAU, Coimbatore; PJTSAU, Hyderabad; JNKVV, Jabalpur; PAU, Ludhiana; CSKHPKV, Palampur; BAU, Ranchi; GBPUAT, Pantnagar; KAU, Pattambi; JAU, Junagarh; MPUAT, Udaipur; VNMAU, Parbhani; Dr PDKV, Akola; IGKVV, Raipur; ICAR-IARI, New Delhi; ICAR-CRIJAF, Barrackpore; ICAR-IASRI, New Delhi	3	15	18
AICRP on MSPE PJTSAU, Hyderabad; RAU, Pusa; AAU, Anand; HAU, Hisar; JNKVV, Jabalpur; Dr PDKV, Akola; OUAT, Bhubaneswar; PAU, Ludhiana; TNAU, Coimbatore; GBPUAT, Pantnagar; AAU, Jorhat; BCKV, Kalyani; RAU, Ranchi; CSKHPKV, Palampur; CSAUAT, Kanpur; KAU Kerala; UAS Bengaluru; CAU, Manipur; NIANP Bengaluru; ICAR-IARI, New Delhi; RLBCAU, Jhansi	2	19	21
AICRP on STCR PJTSAU, Hyderabad; RAU, Pusa; IGKV, Raipur; ICAR-IARI, New Delhi; HAU, Hisar; HPKV, Palampur; GKVK, Bengaluru; KAU, Vellanikara; JNKVV, Jabalpur; MPKV, Rahuri; OUAT, Bhubaneswar; PAU, Ludhiana; SKRAU, Bikaner; TNAU, Coimbatore; GPUAT, Pantnagar; BCKVV, Kalyani; ICAR-CRIJAF, Barrackpore; PA-JANCOA, Puduchery; BHU, Varanasi; AAU, Jorhat; JAU, Gujarat; SKUAT, Srinagar; BAU, Ranchi; ICAR-IISR, Lucknow; ICAR-Complex, Manipur	4	21	25
AINP on Soil Biodiversity-Biofertilizers AAU, Jorhat; ANGRAU, Amaravathi; BAU, Ranchi; HAU, Hisar; JNKVV, Jabalpur; KAU, Thrissur; MAU, Parbhani; MPUAT, Udaipur; OUAT, Bhubaneswar; RAU, Pusa; TNAU, Coimbatore; YSPUHF, Solan; CRRI, Hazaribagh; ICAR-IARI, New Delhi; DGR, Junagarh; GBPUAT, Pantnagar; UAS, Dharwad	3	14	17



9. The details of the work carried out by the organization to meet the UN Sustainable Development Goals-2030

Reply: Significant research achievements and their contribution to National missions, PM announcements, SDGs, ANB Announcements, High Science etc.

Output/ Outcome	Targets (nos)	Significant Achievements	Contribution to NMs, SDGs, ANB, High Science
Soil Health Assessment & Improving nutrient use efficiency	6	<ul style="list-style-type: none"> Developed Mini Soil Lab – Mridaparikshak Developed soil quality indices based on identified soil quality indicators for major soil orders of India Modified urea materials developed for enhancing NUE Predicted major soil properties using MIR spectroscopy for major soil orders of India and developed soil spectral library Developed software for SQI computation and management of soil health Developed GIS-based S and micronutrients fertility maps - 640 districts 	NMSA, NMSHC, SDG2 NMSA, NMSHC NMSA, SDG 2,15 NMSA, SMDSHC NMSA, SMDSHC SDG3 NMSA, NMSHC, SDG 2, 6, 13
Conservation agriculture, Carbon sequestration and climate change	5	<ul style="list-style-type: none"> Management practices for sequestering soil organic C for central Indian Vertisols. Quantified threshold values for maintaining soil organic carbon Quantified the greenhouse gas (GHG) emission using FACE technology Standardized and validated BMPs for location specific CA technologies Quantified impact of CA on soil health, input use efficiency (20% water saving), carbon sequestration and greenhouse gas emissions (50% energy saving). 	SDG 13, 17 NMSA, SDG 2, 13,15 SDG 13
Integrated nutrient supply system (IPNS)	3	<ul style="list-style-type: none"> Developed low-cost INM technology in Soybean-Wheat Cropping System Reutilization of accumulated soil phosphorus (P) to save fertilizer P Developed fertilizer prescription equations under STCR-IPNS for different crops including spices, vegetables, medicinal and fruit crops for various agro-ecological regions of India 	NMSA, NMSHC SDG 2
Nutrient transformation and dynamics in soil-plant systems	4	<ul style="list-style-type: none"> Developed degree of phosphate saturation index (PSI) of some important soils of India Biochar for amelioration of coarse textured acid soils Defined critical limits of micronutrients and S for different soils and crops Developed agronomic strategies for Zn and Fe biofortification 	NMSA, NMSHC, SDG13 NMSA, NMSHC, SDG1 NMSA, SDG 2,11 NMSA, NMSHC, SDG 2, 6, 13
Organic matter recycling and management	2	<ul style="list-style-type: none"> Rapid method of compost production technology (Rapo-Compost) Screened cultivars for maximum yield with organic package for soybean, chickpea, wheat, maize, mustard and ground nut 	NMSA, NMSHC, SDG2, SDG13 NMSA, SDG2, 15
Soil biodiversity and genomics	4	<ul style="list-style-type: none"> Developed novel PGPR consortia and liquid inoculant formulations Explored diversity of endophytic microbes for improving NUE and soil bioremediation Explored extremophile microbes from hot springs for accelerating decomposition of crop residue Microbial consortia for rapid decomposition of organic waste 	NMSA, NMSHC NMSA, SDG 2,11, 15 NMSA, SDG 2, 11, 15 NMSA, SDG 2,11, 15
Environmental impact on agricultural production	4	<ul style="list-style-type: none"> Developed critical limits of heavy metals for soil under sensitive agroecosystem Explored the potential for utilization of soft-beverage industry sludge in agriculture Explored phytoremediation potential using various ornamental crops for remediation of heavy metal contaminated soils. Characterized heavy metal pollution in peri-urban areas of 6 states. 	NMSA, SDG 2.11, SBM NMSA, SDG 11, SBM NMSA, SDG 2,13 NMSA, NMSHC, SDG 2, 6, 13
Utilization of solid wastes and waste water	1	Developed software for quality assessment and grading of municipal solid waste composts	NMSA, SDG 11