

### Completed projects of ICAR IISS Bhopal

Sl. No	Title of the project	PI and CoPIs of the project	Duration	RPF-I,II,III status	Budget (In lakhs)	Project code
1.	Evaluation of efficiency of Granubor H in ameliorating boron deficiency in important fields crops under major ecological zones of India (Consultancy by M/s Rallis India Ltd., Chennai)	Drs. M.V. Singh, R.H. Wanjari, Tapan Adhikari	June 2003 to 2005	Report submitted	2.00	NRMAIISSSC L00300600059
2.	Evaluation of Allwin wonder and allowin top for their effects on maize productivity and soil fertility (Contractual Research Project)	Drs. K. Ramesh, S. Ramana, A.K. Biswas	April, 2009 April, 2012	RPF-I (2009-10-11-12) Final report submitted	9.99	NRMAIISSSC L20090030009 8
3.	Assessment of impact of climatic change on cotton. (Contractual) sponsored by Mini. Envi. and Forest	Dr. K.B. Hebbar, (ESS)	June 2009 to 2010	Final report submitted	79.55	NRMAIISSSC L20090070010 2
4.	Evaluation of efficiency of Patentkali PMS fertilizer for Potash, Magnesium and Sulphur Nutrition and Yield of Different Crops in India (Contractual by M/s Indian Potash Ltd., New Delhi)	Drs. M.V. Singh, R.H. Wanjari, S.K. Behera, A.K. Shukla	May 2010-11	MoU and Final report submitted (2010-11)	22.26	NRMAIISSSC L20100080010 9
5.	Effect of nitrogenous fertilizer-calcium cyanamide (PERLKA) on crop productivity and nutrient use efficiency Sponsored Project (Contractual PPNP & Associate Pvt. Ltd., Faridabad)	Drs. Pramod Jha, A.K. Biswas, K.S. Reddy	July 2010 One year	Progress report submitted (2010-11)	4.71	NRMAIISSSC L20100110011 3
6.	Efficiency of Bio-release micronutrient fertilizer Zinc (Micromac) on yield and zinc nutrition of different crops in India (Contractual from Sowbhagya Amino Inputs Pvt. Ltd., Hyderabad)	Drs. M.V. Singh, A.K. Shukla, S.K. Behera	August 2010 to July 2011	MoU and progress report submitted (2010-11)	10.31	NRMAIISSSC L20100150011 8
7.	Evaluation of plant nutrition product (NP-1) for nutrient use efficiency in cereal crops (Sponsored by Nagarjuna Fertilizers and Chemicals Pvt. Ltd., Hyderabad )	Drs. R. Elanchezhian, A.K. Biswas, K. Ramesh, N.K. Lenka,	December 2012 to June 2015	Progress report Dec 12-June 13 June 13-June	18.48	NRMAIISSCO L20120070013 9

		A. Subba Rao		14 and Dec 12-14		
8.	Effect of urea pastilles productivity and nutrient use efficiency in some soils of India funded by Sandvik India Pvt. India (Contractual /Consultancy Project)	Drs. Pramod Jha, B.L. Lakaria, A.K. Biswas, Pradip Dey, A. Subba Rao B. Kumar-Ranchi, S.R. Singh – Barrackpur	November 16 <sup>th</sup> , 2012 to November 2014	MoU and CR-I submitted Final Report Submitted	16.07	NRMAIISCO L20120050014 0
9.	Investigations on the safe use of sludge in agriculture land generated from effluent from plant of a soft drink funded by Coca Cola Ltd. Pvt. (Contractual /Consultancy Project)	Drs. J.K. Saha, A. Subba Rao, S. Kundu, M.V. Coumar	2013-2014	Only unsigned MoU submitted Final report submitted by PI	18.53	NRMAIISSSI L20130050014 1
10.	Testing a new slow release 14-7-14 NPK fertilizer for its efficiency under field conditions (Contractual) sponsored by PRII, Gurgaon	Drs. Sanjay Srivastava, K. Ramesh, P. Dey, A.K. Biswas, A. Subba Rao	July 2013 to June 2014	Final report submitted (2013-14)	6.68	NRMAIISSSI L20140020014 5
11.	Evaluation of efficacy of polysulphate on oil seed crops (soybean-mustard) funded by PRII, Gurgaon	K. Ramesh, Sanjay Srivastava, A.K. Biswas	July 2014 to June 2015	MoU Submitted	5.03	NRMAIISCO L20140060014 9
12.	Evaluation of urease inhibitor product (limus) for nutrient use efficiency in cereal crops (Consultancy/Contract research project) funded by BASF India Limited, Mumbai	Brij Lal Lakaria, Pramod Jha, B.P. Meena,	July 2014 to June 2016	MoU and Annul progress 2014-15	17.84	NRMAIISCO L20140070015 0

		A.K. Biswas		submitted		
13.	Evaluation of nano-nutrients product (NUALGI) for improving nutrient use efficiency of crops funded by Nualgi Nanobiotech, Bangalore	R. Elanchezian, A.K. Biswas, K. Ramesh, A.K. Shukla, J.K. Thakur, A.K. Patra	July 2014 to June 2015	MoU and CR-I, II 2014-15 submitted	11.75	NRMAIISSEO L20140090015 1
14.	A Rapid Soil Test Kit for making soil test based fertilizer recommendations and preparing soil health card with respect to soil fertility parameters funded by NACL, Hyderabad (Contractual/Consultancy)	Sanjay Srivastava, Pramod Jha, Neenu S, I Rashmi, Tapan Adhikari, A.K. Biswas, P. Dey, A K Patra	12 Nov. 2014 to 11 February 2015 and extend upto March 2015	MOU submitted	14.18+5.3 19 =19.32	NRMAIISSEI L20150090015 2
15.	Evaluation of efficacy of sulphur and zinc containing complex fertilizers for maximizing yield through balanced nutrition of different crops in India (Funded by Zuari Agro Chemicals Limited)	A.K. Shukla, A.K. Biswas, Sanjay Srivastava, Pankaj K. Tiwari, B.P. Meena	01 July 2015 to March 2018 extended upto September 2018	Agreement and CR-I and Final report 2015-18 submitted	147.18	NRMAIISSCC L20150060016 2
16.	Evaluation of efficacy of zinc metalosate and boron metalosate foliar supplements for maximizing yield through balanced nutrition of important crops grown in India (Funded by Indofil Industries Limited)	A.K. Shukla, A.K. Biswas, B.P. Meena, Pankaj K. Tiwari	22 June 2015 to March 2018 extended upto September 2018	Agreement and CR-I and Final report 2015-18 submitted	170.69	NRMAIISSCC L20150120016 3

17.	Upgrading Mridaparikshak mini lab Technology-Addition of five parameters viz. available Copper, Manganese. Lime requirement, Gypsum and Calcareousness in mridaparikshak (M/s Nagarjuna Agro Chemicals Pvt. Ltd. Hyderabad) (External funded)	Sanjay Srivastava, Pramod Jha, I. Rashmi, Abhay Shirale, A.K. Biswas, Pradip Dey, M.V. Coumar, A.K. Patra	19 Dec 2015 to 18 February 2016	Agreement copy of terms and trade for relicensed technology of upgraded mridaparikshak submitted	11.28	NRMAIISCC L201501300167
18.	Response of crop to applied Potassium in Vertisols of India. (Sponsored project PRII Gurgaon)	Muneshwar Singh, R.H. Wanjari, B.L. Lakaria, Abhay Shirale	June 2015 to May 2018	Proposal, CR-I and signed MOU submitted	49.50	NRMAIISSCO L201501100171
19.	Development of customized fertilizer solutions to promote balance fertilization in selective agriculturally important states of India towards crop productivity and farm profitability funded by Indogulf Fertilizers	Pradip Dey, Sanjay Srivastava, A.K. Biswas and A.K. Patra	May 2015 to April 2016	MOU and interim report submitted	12.00	NRMAIISSCO L201500400172
20.	Effect of aquasorb on water and nutrient use efficiency & crop productivity of soybean & tomato in selected soils of India (Funded by SNF India Pvt. Ltd. Vishakhapatnam)	R.S. Chaudhary, R.K. Singh, K.M. Hati, B.P. Meena, A.K. Biswas, M. Mohanty and A.K. Patra	13 July 2016 to June 2018	Project Proposal and MOU submitted	22.56	NRMAIISSCO L201600500175
21.	Impact of viscose staple fibre industry treated effluent on soil health and crop production surroundings Nagda, M.P funded by M/s Grasim Industries Limited, Nagda, Ujjain, M.P.	Tapan Adhikari M.L. Dotaniya, J.K. Saha, Rajendiran S., R.H. Wanjari,	November 2017 to 06 October 2020	Project document and MOU, progress report 2017-18 and 2018-	67.55	NRMAIISCC L201700100179

		Sonalika Sahoo and A.K. Patra		19 submitted		
22.	Effect of slow N release formulations for enhancing productivity and nitrogen use efficiency in cereals sponsored by Rhodia Specialty Chemicals India limited, Mumbai	B.L. Lakaria, Pramod Jha, Sanjay Srivastava, K. Ramesh, A.K. Vishwakarma, A.K. Biswas and A.K. Patra	21 June 2017 to 20 June 2018	MOU submitted	12.52	NRMAIISCC L20170020018 1
23.	Evaluation of Soil Test Kit of Warkem, Mumbai funded by Warkem Biotech Pvt. Ltd, Mumbai	Sanjay Srivastava, Pramod Jha, Abhay Shirale, M. V. Coumar, Gurav Priya Pandurang, A.K. Biswas, Pradip Dey and A.K. Patra	23 August, 2017 to 22 February 2018	MoU and document Final Technical report submitted	5.35	NRMAIISCC L20170030018 2
24.	Evaluation of effect of Zeba fertilizer product on nitrate-N leaching funded by M/s UPL Limited, UPL House, 610B12, Bandra Village, Off Western Express Highway, Bandra-East, Mumbai- 400 051	A.K. Biswas, R. Elanchezhian, N.K. Lenka, A.O. Shirale, A.K. Patra	December 2018 to October 2019	MoU submitted	19.26	NRMAIISCC L2018007199
25.	Boom Flower (Nitrobenzene 20% EW)-its influence on growth, physical, nutrient uptake and yield of tomato plant. sponsored by Devi Crop Science Pvt., Madurai	K.B. Hebbar, D.D. Reddy, Ajay, S. Ramana, Elamathi	2009-2010	document submitted	3.83	NRMAIISCC L20090110020 4
26.	Development of customized fertilizers solutions to	Pradip Dey,	July 2013	MoU	7.63	NRMAIISCC

	promote balanced fertilization selective agriculturally important states of India toward crop productivity and farm profitability funded by NFCL, Hyderabad	Sanjay Srivatava, A.K. Shukla, Hiranmoay Das, B.L. Lakaria, A.K. Biswas, A.S. Rao	to June 2014	submitted		L201300400207
27.	Evaluating the impact of Geoxol.com on soil health and crop productivity funded by M/s Privi Life Science, Mumbai	J Somasundaram, NK Sinha, M Mohanty, RS Chaudhary, KM Hati, AO Shirale, AK Patra	Oct 2020 to Dec 2022	MoU and CR-I submitted	34.12	NRMAIISSSC L202000300215
28.	Evaluating the effect of Bio.soilz on soil nutrient availability and microbial activity under maize-wheat cropping system in vertisols of Central India funded by M/s Bio Soilz Pvt. Ltd, Patna	Asit Mandal, JK Thakur, AB Singh, R Elanchezhian, AK Patra	30 November 2021 to 31 May 2023	CR-I, MoU and Technical programme submitted	10.99996	NRMAIISSSC L202101300233
29.	On farm evaluation of ECOWELL ORGANIC PRODUCTS under soybean-wheat cropping system	Asha Sahu, Sudeshna Bhattacharjya, Dolamani Amat, K. Bharati, AB Singh, AK Patra	1 April 2022 to 31 May 2023	CR-I, MoU and Technical programme submitted	13.08	NRMAIISSSC L202200100235
30.	Optimal Ravine management in the Chambal landscape Madhya Pradesh	NK Lenka, Prabhat Tripathi,	09 May 2024 to 31 March	MoU and RPP –I submitted	6.00	NRMAIIS SCL202400100251

		Narayan Lal	2025			
31.	Evaluation of efficacy of sulphur, magnesium and micronutrients containing complex fertilizers for maximizing yield through balanced nutrition of important crops grown in India funded by SML Limited, (Formerly Sulphur Mills Limited), 404/405-604/605, 349- Business Point, W.E. Highway, Andheri (E), Mumbai - 400069	S.K. Behera, B.P. Meena, Rahul Mishra, Seema Bhadwaj, Dhiraj Kumar	January 2025 to January 2027	Document submitted	11096307	NRMAIISSSC L20250020025 5
32.	Investigating the effect of enhanced rock weathering in carbon dioxide removal and GHG emission reduction; comparing three predominant soil types of India funded by M/s Core CarbonX Sols Pvt Ltd, Telangana	Sangeeta Lenka, M. Vassanda Coumar, Pramod Jha, Madhumonti Saha, Tapan Adhikari, NK Lenka	1 April 2025 to 31 March 2027	MoU, CR-I, Annexure JIMP submitted	31.63420	NRMAIISSSC L20250040026 1
33.	Network project on Evaluating green ammonia as an alternate nitrogenous fertilizer in dominant soil and cropping systems of India funded by ACME Cleantech Solutions Pvt Ltd, Gurgaon	M Mohanty, NK Lenka, NK Sinha, Sangeeta Lenka, Pramod Jha, Jitendra Kumar, MV Coumar, Asha Sahu, Prabhat Tripathi, Abinash Das	21 July 2025 to 20 July 2028	MoU submitted	362.86	NRMAIISSSC L20250060026 2
34.	Network project on "Evaluation of nano urea on crop productivity and nitrogen use efficiency in diverse Agro-Ecological Zones of India funded by Rashtriya Chemicals and Fertilizers Limited (RCF)/ National Fertilizers Limited (NFL)/Fertilizers and Chemicals Travancore Limited	M. Mohanty, Saniib Kumar Behera, Tapan Adhikari, R.Elanchezhia	18 November 2025 to 17 November	CR-I, MoU, submitted	2199.999 80	NRMAIISSSC L20250060026 4

	(FACT)/(Madras Fertilizers Limited) (MFL)/ Indian Farmers Fertilizer Cooperative Limited (IFFCO)	n, Pramod Jha, Prabhat Tripathi, Jyoti Kumar Thakur, Bharat Prakash Meena, Jitendra Kumar, Dhiraj Kumar, Abhijit Sarkar, Rahul Mishra, Dinesh Kumar Yadav, Abinash Das	r 2030			
35.	To evaluate the performance of “Growit Soil Guru Pro” against standard laboratory methods of soil analysis (pH, EC, Available N, Available P and Available K)” funded by M/s Growit India	Pramod Jha, NK Sinha, Sanjay Srivastava, Pratik Ramteke, SK Behera, M Mohant	6 March 2026 to 5 September 2028	MoU, CR-I submitted	1.15	NRMAIISSSC L202600600273