

### 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.	Integrated N management through urea and organic manures for sustainable rice-wheat system on a long term basis	Drs. Muneshwar Singh, K.S. Reddy, V.P. Singh, T.R. Rupa, D.D. Reddy	April, 1991 April, 1999	RPF-I,II,III submitted	3.00	NRMAIISSSI L19910010000 1
2.	Phosphate sorption-desorption kinetics and validation of models to describe P release pdeattern in some miner logically variant soils	Drs. K.P. Tomar, A.K. Biswas, T.R. Rupa	December , 1991 June, 1999	RPF-I,II,III submitted	6.83	NRMAIISSSI L19910020000 2
3.	Development of models for integrated Sulphur supply and management system to improve and sustain the productivity of soybean- wheat system on a swell-shrink soil of agro ecological zone 10	Drs. J.K. Saha, P.N. Takkar	June, 1992 June, 1999	RPF-I,II,III submitted	14.95	NRMAIISSSI L19920010000 4
4.	Development of models for integrated nitrogen supply and management system to improve and sustain the productivity of soybean- wheat system on a swell-shrink soil of agro ecological zone 10	Drs. Muneshwar Singh, A.K. Tripathi, P.N. Takkar	April, 1992 April, 1999	RPF-I,II,III submitted	31.5	NRMAIISSSI L19920020000 3
5.	Studies on growth dynamics of microbial biomass as influenced by soil environment and is contribution to available pool of C, N & P in typic Haplustert under soybean-wheat system	Drs. M.C. Manna, S. Kundu, Muneshwar Singh, P.N. Takkar	July, 1993 July, 1997	RPF I,II,III submitted	2.28	NRMAIISSSI L19930010000 5
6.	Investigation of microbiological transformation of N, P and S in the rhizosphere and the rate of bio-mass as a source-sink for these materials in vertisols and Alfisols	Drs. T.K. Ganguly., M.C. Manna	July, 1995 July 1999	RPF-I,II,III submitted	6.50	NRMAIISSSI L19950010000 6

7.	Monitoring native VA-Mycorrhizal population and biological activity under soybean-wheat as affected by FYM and phosphorus	Drs. M.C. Manna, T.K. Ganguly, A.S. Rao	July 1995 July 1998	RPF-I,II,III submitted	0.30	NRMAI SSSI L19950020000 7
8.	Dynamics of potassium in major soil groups under long-term intensive cropping and fertilizer and manorial use	Drs. Ch. Srinivasa Rao, Sanjay Srivastava, T.R. Rupa, M.V. Singh, Anand Swarup	15/1/1997 January 2003	RPF-I,II,III submitted	10.70	NRMAI SSSI L19970010000 8
9.	Sorption-Desorption kinetics and available of zinc as influenced by some important soil properties in major benchmark soils of India and validation of models	Drs. T.R. Rupa, K.P. Tomar	August, 1997	RPF-I,II,III submitted	43.01	NRMAI SSSI L19970020000 9
10.	Fixation and release kinetics of non-exchangeable NH <sub>4</sub> in physicochemical dissimilar soils	Drs. S. Kundu, K.K. Barman	Jan. 1998 Sept. 2000	RPF-I,II,III submitted	5.45	NRMAI SSSI L19980010001 0
11.	Influence of irrigation levels and nutrients management on water and nutrient use efficiency of soybean-wheat crop rotation	Drs. K.G. Mandal, A.K. Misra, K.M. Hati	21 <sup>st</sup> April, 1998 30/4/2001	RPF-I,II,III submitted	7.77	NRMAI SSSI L19980020001 1
12.	Effect of manipulation of source and sink on nitrogen fixation in soybean	Drs. S. Ramana, A.K. Tripathi, Muneshwar Singh	April, 1998 June 2000	RPF-I,II,III submitted	2.46	NRMAI SSSI L19980030001 2
13.	Study on in-situ water balance and water use efficiency of soybean-mustard cropping system under varying water regimes and nutrient management	Drs. K.M. Hati, K.G. Mandal, A.K. Misra	21 <sup>st</sup> April, 1998 30/4/2001	RPF-I,II,III submitted	8.28	NRMAI SSSI L19980040001 3
14.	Evaluation of sink capacity of soil for fluorine – a case study in Mandla district	Drs. J.K. Saha, S. Kundu	July, 1998 June 2000	RPF-I,II,III submitted	9.99	NRMAI SSSI L19980050001 4

15.	Studies on heavy metal pollution in soils through city and industrial wastes and their management for sustaining soil productivity with minimal environmental pollution	Drs. M.V. Singh, Tapan Adhikari, M.C. Manna	1998 2003	RPF-I,II,III submitted	5.00	NRMAIISSSI L19980060001 5
16.	Developing eco-regional integrated plant nutrient management systems for sustainable crop production	Drs. A. Subba Rao, Sanjay Shrivastava, A.K. Biswas	January 1999 January 2002	RPF-I,II,III submitted	7.41	NRMAIISSSI L19990010001 6
17.	Sustaining production of soybean based cropping systems through soil water nutrient management (SWNM) in landscape watershed funded by ICAR-ICRISAT Collaborative project	Drs. A.K. Misra, R.S. Chaudhary, A.K. Tripathi, D.D. Reddy, K.M. Hati, K.G. Mandal, S. Ramana	January, 1999 April 2003	RPF-I,II,III submitted	70.00	NRMAIISSCO L19990020001 7
18.	Study on long-term tillage management with differential nitrogen on soybean-wheat cropping system in Vertisols. (External funded)	Drs. K.M. Hati, R.K. Singh	June 1999 Long-term	Report submitted	6.4	NRMAIISSCO L19990030001 8
19.	Long-term effect of intensive cropping and fertilizer use on transformation and availability of N and S in different soils	Drs. K. Sammi reddy, A.K. Tripathi, Muneshwar Singh, M.V. Singh	June 1999 July 2002	RPF-I,II,III submitted	13.4	NRMAIISSSI L19990040001 9
20.	Long term fertilizer experiment to study changes in soil quality, crop productivity and sustainability	Drs. A. K. Tripathi, K.S. Reddy, R.H. Wanjari, Anand Swarup	June 1999 Long term	Report submitted	7.00	NRMAIISSSI L19990050002 0
21.	Assessment of influence of long term application of fertilizers and manure under continuous cropping on some physical properties of soil	Drs. K.M. Hati, Anand Swarup	June 1999 April, 2003	RPF-I,II,III submitted	1.2	NRMAIISSSI L19990060002 1

22.	Evaluation of sink capacity of well-defined soil series of vertisols, inceptisols, and alfisols for toxic metal pollutants	Dr. S. Kundu,	July 1999 to 2004	Report submitted	1.4	NRMAI SSSI L19990070002 2
22 a	Environmental impact and risk assessment of use of distillery effluent in agriculture 22 A	Drs. A.K. Biswas, S. Ramana, J.K. Saha, A.B. Singh, Mohan Singh	July, 1999 to June 2005	Report submitted	5.65	NRMAI SSSI L19990080002 2(a)
23.	Transformations and availability of soil phosphorus fractions and phosphate sorption behaviour in contrasting soils under Long term cropping and fertilizer use	Drs. D. Damodar Reddy, Anand Swarup	September, 1999 to October, 2001	RPF-I,II,III submitted	9.84	NRMAI SSSI L19990090002 3
24.	Nitrogen management and simulation modeling for different water availability situation in the PSR Mode under the National Agricultural Technology Project (Funded by NATP)	Drs. Muneshwar Singh, S. Ramana	Ist October, 1999 to 31 March 2003	RPF-I,II,III submitted	90.61	NRMAI SSSO L19990100024
25.	Development and validation of simulation models to predict the long term consequences of different tillage and residue management strategies	Drs. D.K. Painuli, M. Mohanty	December, 1999 to November 2003	RPF-I,II,III submitted	189.83	NRMAI SSSI L19990110002 5
26.	Impact of tillage, land treatment and organic residue management on soil health, drainage and crop productivity of rainfed cotton based system (Funded by NATP)	Drs. R.S. Chaudhary, P. Ramesh	April, 2000 to September, 2003	RPF-I,II,III submitted	57.84	NRMAI SSSO L20000010002 6
27.	Preparation of soil fertility maps of the country for major soil nutrients for managing nutrients in different crops. Title change to - Development of database of major soil nutrients for managing nutrients in different crops and cropping systems	Drs. K.N. Singh, N.S. Raju, Sanjay Shrivastava, A.S. Rao	April, 2000 to March 2005	RPF-I,II,III submitted	2.35	NRMAI SSSI L20000020002 7
28.	Optimizing nutrient supply in relation to moisture availability for enhanced productivity and stability of	Drs. D.D. Reddy, M.	April, 2000	RPF-I,II,III submitted	4.78	NRMAI SSSO L20000030002

	rainfed cotton based production system ( Funded by NATP)	Mohanty	2003			8
29.	Integrated management of nutrient and water in different cropping systems for sustainable production in Vertisol.	Drs. P.K. Ghosh, K.K. Bandyopadhyay, R. S. Chaudhary, P. Ramesh, T.R. Rupa, A.K. Tripathi, M.C. Manna, Ajay, A.B. Singh	June 2000 to June 2005	RPF-I,II,III submitted	38.06	NRMAI SSSI L200000400029
30.	Management of mechanical harvest-borne wheat residue under soybean wheat systems in Vertisols	Drs. D. Damodar reddy, Sanjay Shrivastava	June 2000 to May2005	RPF-I,II,III submitted	3.2	NRMAI SSSI L200000500030
31.	Resource use efficiency of certain soybean based inter cropping systems for sustainable productivity	Drs. P. Ramesh, P.K. Ghosh, K.S. Reddy, Ajay, S. Ramana, R.S. Chaudhary	June 2000 to June 2003	RPF-I,II,III submitted	11.58	NRMAI SSSI L 200000600031
32.	Comparative study of the low input management crops like medicinal crops in vertisol and like soil with soybean and groundnut	Drs. Ajay, P. Ramesh, Sammi Reddy, S. Ramana	June 2000 March 2004	RPF-I,II,III submitted	24.75	NRMAI SSSI L200000600032
33.	Effect of subsoiling on water and nutrient use efficiency in oilseed based inter-cropping system in a Vertisol under rainfed conditions	Drs. M Mohanty, K.K. Bandyopadhyay, P.K. Ghosh, D.K. Painuli	June 2000 June 2003	RPF-I,II,III submitted	27.32	NRMAI SSSI L200000700033

34.	A comparison of vermin composting and conventional compositing	Dr. T.K. Ganguly, Dr. A.B. Singh, Dr. A.K. Sharma, Dr. Mohan Singh	July 2000 July 2004	RPF-I,II,III submitted	4.54	NRMAI SSSI L20000080003 4
35.	Identifying systems for carbon sequestration and increased productivity in semi-arid tropic environments	Drs. M.C. Manna, K.K. Bandyopadhyay, T.R. Rupa	July 2000 December , 2003	RPF-I,II,III submitted	179.49	NRMAI SSSI L20000900035
36.	Organic pools and dynamics in relation to land use, tillage and agronomic practices for maintenance of soil fertility	Drs. Anand Swarup, M.V. Singh, R.H. Wanjari, M.C. Manna	July 2000 December , 2003	RPF-I,II,III submitted	166.50	NRMAI SSSI L20000100003 6
37.	Integrated nutrient management in major pulse based cropping systems and identification of the most productive and remunerative systems	Drs. A. K. Biswas, R.H. Wanjari, A.B. Singh	July 2000 to March 2003	RPF-I,II,III submitted	34.13	NRMAI SSSI L20000110003 7
38.	Web design and hosting for IISS	Mr. N.S. Raju, K. Aivelu, K.N Singh	August, 2000 to Aug. 2002	RPF-I,II,III submitted	1.9	NRMAI SSSI L20000120003 8
39.	Studies on the role of PGPR's in improving growth and biological nitrogen fixation in soybean and wheat	Drs. Ajay, Kiran. P. Raverkar, D.L.N. Rao	December , 2000 April 2004	RPF-I,II,III submitted	6.00	NRMAI SSSI L20000130003 9
40.	Comparison & Evaluation of different statistical models for establishing the relationship between the crop yields and soil & fertilizer	Drs. K. Aivelu, K.N. Singh, N.S. Raju, A.S. Rao, Sanjay Srivastava	2000 to 2004	RPF-I,II,III submitted	Budget is not found in the file	NRMAI SSSI L20000140004 0

41.	Data base design and development for IISS	Drs. N.S. Raju, K.N. Singh	2000 to 2004	RPF-I,II,III submitted	3.2	NRMAISSSI L20000150004 1
42.	Evaluation of sink capacity of soil/plants for toxic metal pollutants	Drs. Ajay, Tapan Adhikari, S. Ramana, A.B. Singh	Jan. 2001 March, 2004	RPF-I,II,III submitted	19.1	NRMAISSSI L20010010004 2
43.	Survey of potential of manure for meeting crop nutrient needs with integrated management in Madhya Pradesh India	Drs. K.S. Reddy, A.S. Rao, Muneshwar Singh, D.L.N. Rao, M. Mohanty, S.K. Dixit	January 2001	RPF-I,II,III submitted	0.85	NRMAISSSI L20010020004 3
44.	Determination of soil potassium stock in Indian semi arid tropics in term of biotite content	Drs. Sanjay Srivastava, A.S. Rao	1 <sup>st</sup> April, 2001 30 <sup>th</sup> September, 2004	RPF-I,II,III submitted	9.41	NRMAISSSI L20010030004 4
45.	Nutrient Dynamics in cotton and establishment of critical limits for micro and secondary nutrients	Drs. T.R. Rupa, D.D. Reddy. Sanjay Srivastava	May, 2001 March, 2003	RPF-I,II,III submitted	4.8	NRMAISSSI L20010040004 5
46.	Improving the use efficiency of limited available irrigation water and assessing water and nitrogen dynamics in wheat under soybean-wheat system in vertisol	Drs. K.K. Bandyopadhyay, A.K. Misra, P.K. Ghosh	June 2001 June 2005	RPF-I,II,III submitted	14.3	NRMAISSSI L20010050004 6
47.	Mobilization and utilization of phosphorus from rock phosphate using soybean leaf litter: implications for direct use of rock phosphate AP Cess Fund Scheme of ICAR	Dr. D. Damodar Reddy	October, 2001	RPF-I,II,III submitted	1.3	NRMAISSSI L20010060004 7
48.	Investigation on the effect of continuous use of sewage	Drs. J.K. Saha,	November	RPF-I,II,III	16.8	NRMAISSSI

	water as irrigation on the swell-shrink soil quality	A.K. Biswas, Ajay , Mohan Singh	r, 2001 October, 2009	submitted		L200100700048
49.	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.	Drs. A.K. Biswas, Tapan Adhikari, Ajay, J.K. Saha	2001 to 2006	RPF-I,II,III submitted	43.7	NRMAISSSI L200100800049
50.	Water and phosphorus use efficiency under varying soil moisture regimes in rainfed maize-chickpea cropping system in vertisol	Drs. R.S. Chaudhary, K.G. Mandal	2002 May 2007	RPF-I,II,III submitted	16.00	NRMAISSSI L200200100050
51.	Dynamics of soil microbial nutrients availability in soybean-wheat cropping sequence under conventional and organic farming system in semi-arid zone (NATP) (Externally funded projects)	Drs. Muneshwar Singh, Mohan Singh	12 <sup>th</sup> April, 2002 to 31 March 2005	RPF-I,II,III submitted	10.82	NRMAISSSO L200200200051
52.	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	Drs. Ashwini kumar sharma, M.V. Singh. R.H. Wanjari	Mid 2002 June 2005	RPF-I,II,III submitted	2.3	NRMAISSSI L200200300052
53.	Environmental impact of the use of polluted ground water as irrigation on productivity and quality of crops in Ratlam-Nagda industrial area	Drs. J.K. Saha, A.K. Sharma	1 <sup>st</sup> October, 2002 30 <sup>th</sup> September, 2005	RPF-I,II,III submitted	11.50	NRMAISSSI L200200400054
54.	Evaluation of agnihotra krishi paddati on soybean – chickpea/wheat cropping system	Drs. Muneshwar Singh, Sanjay Srivastava, B. Maji	April, 2003 April 2006	Report submitted	1.65	NRMAISSSI L200300100055
55.	Nutrient dynamics and production sustainability of cropping sequences under organic farming system in	Drs. P. Ramesh, A.B.	June 2003 December	RPF-I,II,III submitted	7.80	NRMAISSSI L200300300055

	Vertisols	Singh, S. Ramana, N.R. Panwar	, 2008			6
56.	Nutrient management practices for important oilseed based cropping systems for improving yield and oil output under rainfed conditions (Funded by NATP)	Drs. J.K. Saha, P.K. Ghosh, A.B. Singh	June 2000 September, 2003	Report submitted	190.32	NRMAIISSSO L20030040005 7
57.	Crop diversification and management of water for increasing productivity on Vertisols in a landscape watershed	Drs. A.K. Misra, K.M. Hati, K.G. Mandal, A.K. Tripathi	June 2003 December 2006	RPF-I,II,III submitted	9.30	NRMAIISSCO L20030050005 8
58.	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
59.	Studies on molybdenum availability in selected benchmark soils and its influence on growth of some crops	Drs. Tapan Adhikari, M.V. Singh, K.G. Mandal	December, 2003 to March 2007	RPF-I,II and final report submitted	Budget is not found in the file	NRMAIISSSI L20030070006 0
60.	Evaluation of techniques for minimizing heavy metal pollution in soils and plant	Drs. Tapan Adhikari, Ajay., M.V. Singh	December, 2003 March, 2007	RPF-I,II and final report submitted	Budget is not found in the file	NRMAIISSSI L20030080006 1
61.	Integrated nutrient management for high quality fibre and yield of cotton funded by TMC - MM 2.1	Dr. D. D. Reddy,	April 2003	RPF-I,II,III submitted	2.40	NRMAIISSSI L20030020006 2
62.	Online fertilizer recommendations system for targeted yield of crops for different states	Drs. N.S. Raju, K.N. Singh	May 2004 May 2005	RPF-I,II,III submitted	0.50	NRMAIISSSI L20040020006 4
63.	Efficiency of some flowering plants to extract Cd and Pb from contaminated soils	Drs. S. Ramana, A.K.	June 2004 to May	RPF-I,II,III submitted	150	NRMAIISSSI L20040030006

		Biswas, Ajay	2007			5
64.	Tillage and phosphorus effects on rainfed soybean-chickpea cropping system in a vertisol	Drs. D.K. Painuli, M. Mohanty, K.G. Mandal, R.S. Chaudhary	June 2004 to 2007	RPP-I submitted Not initiated as the PI was transferred and the project is closed	29.55	NRMAI SSSI L20040040006 6
65.	Studies on the effect of organic nutrient sources on yield and quality of pomegranate	Drs. A.B. Singh, A.K. Tripathi, D.L.N. Rao	July 2004 to July 2009	RPF-I,II,III submitted	2.50	NRMAI SSSI L20040050006 7
66.	Efficiency of gromor bentonite sulphur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India. (Network project Coromandel Fertilizers Ltd.)	Dr. M.V. Singh	30 <sup>th</sup> July, 2004	Final report submitted	8.00	NRMAI SSSC L20040060006 8
67.	Impact adaptation and vulnerability of Indian agriculture to climate change	Drs. A.K. Misra, K.M. Hati, A.K. Biswas	6/10/2004 to 05/10/2018	Final report submitted	48.45	NRMAI SSSI L20040070006 9
68.	Estimating the nutrient contribution of manures alone and in the presence of fertilizer	Drs. Abhishek Rathore, Sanjay Srivastava, Y. Muralidharudu	January 2005 to January 2007	RPF-I,II,III submitted	2.90	
69.	Delineation and mapping of nitrate contamination in soil and water in heavily fertilized and intensively cultivated districts of the country	Drs. A.K. Biswas, Sanjay Srivastava, A.S. Rao	1 <sup>st</sup> April, 2005 to 30/6/2008	RPF-I,II,III submitted	65.70	NRMAI SSSI L20050020007 1
70.	Evaluation of efficiency of gromor bentonite sulphur pastilles for enhancing the productivity of different crops	Drs. M.V. Singh, R.H.	June 2005 to June 2007	RPF-I,II,III submitted	17.80	NRMAI SSSI L20050030007

	in sulphur deficient soils of India	Wanjari				2
71.	Development of suitable methodology for soil fertility using GIS and GPS tools for precise fertilizer recommendations based on spatial variability (ICAR Cess Fund)	Drs. K.N. Singh, A.K. Tripathi, N.S. Raju, Abhishek Rathore, A.S. Rao	October 14, 2005 October, 13, 2009	RPF-I,II,III submitted	15.49	NRMAISSSO L20050040007 3
72.	Evaluation of efficiency of gromor sulfur pastilles for enhancing the productivity of different crops in sulphur deficient soils of India (Network Project)	Drs. M.V. Singh, R.H. Wanjari Dr. K.S. Reddy	2005-06	RPF I,II,III submitted	8.00	NRMAISSSO L20050050007 4
73.	Improving yields and nutrient uptake of selected crops through microbial inoculants in Vertisols of Central India (AMAAS). (External funded)	Drs. D.L.N. Rao, M.C. Manna	2006 2012	RPF-I,II,III submitted	18.83	NRMAISSSO L20060010007 5
74.	Development of composting techniques for recycling of municipal solids wastes	Drs. M.C. Manna, A.B. Singh	March 2006 March 2010	RPF-I,II,III submitted	1.60	NRMAISSSI L20060020007 6
75.	Development of potassium management strategies for alfisol in view of lesions learnt from long-term fertilizer experiments	Drs. R.H. Wanjari, Muneshwar Singh, Sanjay Srivastava, N. Vasuki, S.B. Yogananda	April 2006 March, 2009	RPF-I,II,III submitted	2.50	NRMAISSSI L20060030007 7
76.	Developing quality indices of urban solid waste compost.	Dr. J.K. Saha, Dr. N.R. Panwar, Dr. M.V. Singh	1 <sup>st</sup> May, 2006	RPF-I,II,III submitted	7.00	NRMAISSSI L20060040007 8
77.	Contractual Research Network on Evaluation of Efficiency of Granubor II for enhancing crop productivity in Boron	Drs. M.V. Singh, R.H.	2004 to 2005	Report submitted	8.31	NRMAISSSC L20040080007

	deficient enhancing crop productivity in boron deficient soils	Wanjari, Tapan Adhikari				9
78.	Impact of linear alkylbenzene sulphonate (LAS) and sodium Tri poly phosphate (STPP) present in detergent on crop and soil quality	Drs. Ajay, J.K. Saha, M.V. Singh	June 2006 to May 2009	Report submitted	1.65	NRMAISSSI L20060050008 0
79.	Development of methodology using RS, GPS & GIS for delineating area of a district in different fertility zones. (Funded by MPCOST)	Drs. K.N. Singh, Abhishek Rathore, A.K. Tripathi, A.S. Rao	1 April, 2007 to 31 March 2010	Final report submitted	3.60	NRMAISSSO L20070010008 1
80.	Investigation on phosphorus fractions in Diverse organic manures and their effects on phosphorus speciation and availability in contrasting soils	Drs. Damodar Reddy, Brij Lal Lakaria	April, 2007 to March 2009	RPF-I,II,III submitted	Budget is not found in the file	NRMAISSSI L20070020008 2
81.	Developing region-specific databases on nutrient resources in agriculture and user friendly intelligent data retrieval system for rational and efficient nutrient management	Drs. Sanjay Srivastava, Pramod Jha, S. Ramana, Abhishek Rathore, N. Panwar, Y. Muralidharudu , A.S. Rao	April 2007 Septembe r, 2010	RPF-I,II,III submitted	2.40	NRMAISSSI L20070030008 3
82.	Long-term effects of fertilizer and manure application on carbon pools dynamics in a Vertisol under soybean-wheat system	Drs Brij lal Lakaria, Muneshwar Singh, K.S. Reddy, A.B. Biswas, R.S. Chaudhary, A.B. Singh	June 2007 June 2010	RPF-I,II,III submitted	6.09	NRMAISSSI L20070040008 4

83.	Integrated Manure nutrient management in soybean/wheat cropping systems on Vertisol in Madhya Pradesh and Queensland funded by Australian Centre for International Agriculture Research (ACIAR)	Drs. A. Subba Rao, K.S. Reddy, D.L.N. Rao, Muneshwar Singh, M. Mohanty, S.K. Dixit	1, July 2007 to 2010	Final report submitted	10.15	NRMAISSCO L20070050008 5
84.	Ailing Agricultural Productivity in Economically Fragile region of India: An Analysis of Synergy between Public Investment and Farmers' capacity (Adhoc Scheme)	Drs. Ranjit Kumar, P.K. Awasthi, D.K. Sinha, H.N. Atibudhi	January, 1, 2008 to June 30, 2010	Final report submitted	11.49	NRMAISSSO L20080010008 6
85.	Development of web enabled statistical software for analysis of data of AICRP on STCR	Drs. A. Rathore, Y. Muralidharudu, A.S. Rao, V.K. Gupta, Rajender Prasad	March 2008 to March 2011	RPF-I,II,III submitted	4.41	NRMAISSSI L20080020008 7
86.	Developing database on extent of soil and water contamination in India	Drs. Navratan Panwar, J.K. Saha, Abhishek Rathore, Tapan Adhikari, S. Ramana, A.K. Biswas, Sanjay Srivastava, S. Kundu, M.L. Dotaniya	1 April, 2008 to 31 March 2012	RPF-I,II,III submitted	1.21	NRMAISSSI L20080030008 8

87.	Soil Organic carbon dynamics and climatic changes and crop adaptation strategies. (NAIP) (External funded)	Drs. M.C. Manna, S. Ramana, A.K. Tripathi, K.N. Singh	May 2008	Report submitted	54.01	NRMAIISSSO L200800500089
88.	Quality assessment of crops under different nutrient management system in long term experiment	Drs. A.B. Singh, A.K. Tripathi, Muneshwar Singh, A.S. Rao	May 2008 to May 2013	RPF-I,II,III submitted	6.10	NRMAIISSSI L200800600090
89.	Tillage and manure interactive effects on soil aggregate dynamics, soil organic carbon accumulation and by pass flow in vertisols	Drs. Sangeeta Lenka, M. C. Manna, Brij Lal Lakaria R. K. Singh, R. C. Singh (CIAE)	June 2008 to March 2015	RPF-I (2008-09), II (2009-10-11-12-13-14) III submitted	27.35	NRMAIISSSO L200800700091
90.	Assessment of quality and resilience of soils in diverse agro-ecosystems (NAIP). (External funded)	Drs. S. Kundu, A.S. Rao, Muneshwar Singh, Y. Muralidharudu, J.K. Saha, A.K. Biswas, A.K. Misra, A.K. Tripathi, K.S. Reddy, N. Panwar, R.H. Wanjari, K.M. Hati, K.N. Singh, Tapan	17 <sup>th</sup> July 2008 to 31 <sup>st</sup> March, 2012	Final report submitted	288.11	NRMAIISSSO L200800900092

		Adhikari, D.K. Benbi, B. Mandal, U. Mandal, Pushpanjali, T. Bhattacharya				
91.	Transformation and phyto-availability of zinc and boron in selected bench mark acid soils amended with lime and farm yard manure	Drs. S.K. Behra, M.V. Singh	June 2008 May 2011	RPF-I (2008-09) II (2009-10-11) RPF-III not submitted	4.13	NRMAIISSSI L20080080009 3
92.	Nano-technology for Enhanced Utilization of Native-Phosphorus by Plants and Higher Moisture Retention in Arid Soils (NAIP Project) (External funded)	Drs. Tapan Adhikari, A. K. Biswas, S. Kundu	18 <sup>th</sup> July, 2008 31/3/2014	RPF-II (2008-13-14)	327.6	NRMAIISSSO L20080100009 4
93.	Diagnosis and management of emerging physiological disorders of cotton, wheat and soybean in black soils of central India under changed climatic scenario	Drs. K.B. Hebbar, S. Ramana, P. Ramesh, N.R. Panwar, Ajay, S. Kundu	1 <sup>st</sup> April, 2008 to 31 March 2011	RPF-II absent and RPF-III Present	8.00	NRMAIISSSI L20080040009 5
94.	On farm production and evaluation of vermicompost and enriched compost	Drs. A.K. Tripathi, M.C. Manna, A.B. Singh	January 2009 January 2012	Report submitted	4.70	NRMAIISSSI L20090010009 6
95.	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) (External funded)	Drs. A.K. Shukla, Muneshwar Singh, K.B. Hebbar, Tapan Adhikari, Pankaj Kumar Tiwari	February, 2009 to March, 2014	RPF-II 2009-10 RPF-II 2012-13	583.34	NRMAIISSSO L20090020009 7

96.	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
97.	Detection of water and nitrogen stress and prediction of yield of soybean and maize using hyper-spectral reflectance and vegetation indices.	Drs. K.M. Hati, R.K. Singh, Blaise Desouza, A.K. Mishra	June 2009 to July 2013	RPF-I (2009-10-11-12)	8.70	NRMAIISSSO L20090040009 9
98.	Tillage effects on weed dynamics in soybean-wheat system on Vertisol.	Drs. Blaise Desouza, R.H. Wanjari, R.K. Singh	1 <sup>st</sup> June 2009 June 2012	RPF-I, II and III	6.00	NRMAIISSSO L20090050010 0
99.	Phyto extraction of Cr by some floriculture plants	Drs. S. Ramana, A.K. Biswas, A.B. Singh, Ajay	June 2009 to May 2013	RPF-I, II and III	3.35	NRMAIISSSI L20090060010 1
100.	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
101.	Efficacy of soil sampling strategies for describing spatial variability of soil attributes	Drs. Baidya Nath Mandal, Neenu S., Sanjay Srivastava, Hironmoy Das	14 <sup>th</sup> October, 2009 to July 2012	RPF -I (2011) II (2010-11-12-13) RPF-III (2013-14)	4.32	NRMAIISSSI L20090090010 3
102.	Network on evaluation of efficiency of granubor fortified NP/NPK in ameliorating boron deficiency in boron deficient soils in important crops in India	Drs. M.V. Singh	2009 2010	Final report submitted	1.16	NRMAIISSSI L20090100010 4
103.	Structural and functional diversity of microbes in soil and rhizosphere	Drs. Santosh R. Mohanty, M.C. Manna, Muneshwar Singh,	January 2010 January 2014	RPF-I (2010), II (2010-11-12-13) RPP-III 2013-14	41.00	NRMAIISSSI L20100020010 5

104.	Study on nanoporous zeolites for soil and crop management	Drs. K. Ramesh, K.S. Reddy, I. Rashmi,	March 2010 to March 2014	RPF-I (2010), II (2010-11-12-13) RPP -III 2013-14	3.00	NRMAISSSI L20100030010 6
105.	Evaluating Conservation tillage on various cropping sequences/rotations for stabilizing crops productivity under erratic Climatic Conditions in Black Soils of Central India.	Drs. J. Somasundaram, R. S. Chaudhary, Ajay, S. Neenu	March 2010 to June 2016	RPF-I (2010), II (2010-11-12-13-14-15)	21.14	NRMAISSSI L20100040010 7
106.	Participatory integrated nutrient management for improving the productivity and fertility of soils of Nagaland.	Drs Brij Lal Lakaria, N. K. Lenka, R. H. Wanjari, A. K. Biswas	May 2010 April 2013	Final report submitted	2.07	NRMAISSSI L20100070010 8
107.	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	NRMAISSSC L20100080010 9
108.	Impact of crop covers on soil and nutrient losses through runoff in Vertisol.	Drs R. K.Singh, J. Somasundaram, I. Rashmi, R.S. Chaudhary	June 2010 to May 2014	RPF-I (2010), II (2010-11-12-13) RPP-III 2013-14	8.71	NRMAISSSI L20100090011 0
109.	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	Drs Neenu S., K. Ramesh S. Ramana, J. Somasundaram, I. Rashmi	June 2010 to June 2013	RPF-I (2010), II (2010-11-12-13) RPF-III (2013-14)	7.85	NRMAISSSI L20100100011 1

110.	GPS and GIS based model soil fertility maps for selected districts for precise fertilizer recommendations to the farmers of India. (External funded)	Drs. A. Subba Rao, Pradip Dey (Executive PI), A. K. Shukla, Muneshwar Singh Sanjay Srivastava, R. H. Wanjari, Hiranmoy Das, K.N. Singh	June 2010 to December 2012	RPF-I (2010), II (2010-11-12) submitted	1032.07	NRMAIISSSO L20090080011 2
111.	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
112.	Studies on soil resilience in relation to soil organic matter in selected soils.	Drs. N. K. Lenka, Sangeeta Lenka, Brij Lal Lakaria, Asit Mandal, S.K. Behara, A.S. Rao, A.K. Biswas	July 2010 June 2015	RPF-I (2010), II (2010-11-12-13-14) RPP-II 2014-15 RPP-III submitted	10.30	NRMAIISSSI L20100120011 4
113.	Impact assessment of continuous fertilization on heavy metals and microbial diversity in soils under long term fertilizer experiment (External funded)	Drs Tapan Adhikari, R.H. Wanjari, A.K. Biswas, Muneshwar Singh, S. Kundu, A.	August 2010 December 2012	Final report submitted	2.60	NRMAIISSSI L20100130011 7

		Subba Rao				
114.	Soil carbon saturation and stabilization in some soils in India.	Drs. Pramod Jha, Brij Lal Lakaria, Ritesh Saha, S.R. Mohanty, A.K. Biswas Muneshwar Singh	July 2010 to March 2014	RPF-I (2010), II (2010-11-12-13) (2013-14) RPF-III submitted	2.50	NRMAIISSSO L201001400115
115.	Bio-fortification of grain sorghum and finger millet varieties with zinc through agronomic measures.	Drs. Ajay, A.K. Shukla, J.K. Saha, M.V. Singh, M.V. Coumar, S. Kundu, S.K. Behera	Kharif 2010 Kharif 2013	RPF-I (2010), II (2010-11-12-13) III (2013-14)	2.50	NRMAIISSSI L201000600116
116.	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 L201001500118
117.	Participatory assessment of qualitative parameters for categorizing different degrees of soil quality to enhance the soil health and productivity.	Drs. R. S. Chaudhary, J. Somasundaram, Brij Lal Lakaria, S.R. Mohanty, A.B. Singh	March 2010 Sept. 2013	RPF-I (2010), II (2010-11-12)	5.73	NRMAIISSSO L201000500119
118.	Actinomycetes diversity in Daccan plateau, hot, arid region and semi arid eco-sub-region (AER 3 and 6) and evaluation of their PGPR activity.	Drs. Radha T.K., D.L.N. Rao	August 2010 April 2014	RPF-I, II (2010-11-12-13) III 2013-14	3.20	NRMAIISSSI L201001600120
119.	Assessing impact of climate change on different cropping	Drs. M.	June 2011	RPF-I, II	3.70	NRMAIISSSI

	systems in Central India and evaluating adaptation studies through crop simulation models	Mohanty, K.M. Hati, N.K. Sinha, Sangeeta Lenka Pramod Jha, Neenu S., R. S. Chaudhary, R. Elanchezhian, A. Subba Rao, K.S. Reddy	to May 2016	(2011-12)		L20110090012 1
120.	Soil quality assessment for enhancing crop productivity some tribal districts of Madhya Pradesh	Rajendiran S., M. L. Dotaniya, M.V. Coumar, N. K. Sinha, Sanjay Srivastava, A. K. Tripathi, S. Kundu	July 2011 to June 2016	RPF-I (2011-12) RPP-II 2012-13, RPP-II 13-14, RPP-II 14-15, RPP-II, RPP-III submitted	55.95	NRMAIISSSI L20110040012 2
121.	Non point sources of phosphorus loading to upper lake, Bhopal.	Drs. M.V. Coumar, M. L. Dotaniya, Vasudev Meena J. Somasundaram, J.K. Saha, S. Kundu	April 2011 March 2014	RPF-I (2010-11) II (11-12-13)	5.92	NRMAIISSSI L20110030012 3
122.	Development of phosphorus saturation indices for selected Indian soils.	Drs. I. Rashmi, Neenu S., K. S. Reddy, A. K. Biswas, A. Subba Rao	April 2011 April 2014	RPF-I, II (2011-12-13) RPF-III (2013-14)	6.05	NRMAIISSSI L20110050012 4

123.	Characterizing rooting behaviours, soil water patterns and nutrient uptake of soybean – chickpea under different tillage and water regimes in Vertisols.	Drs N. K. Sinha, M. Mohanty, Ritesh Saha, I. Rashmi, K.M. Hati, J. Somasundaram	June 2011 to December, 2014	RPF-I, II (2011-12)	33.67	NRMAIISCO P20110100012 5
124.	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) (External funded)	Drs. J. Somasundaram, R. S. Chaudhary, M. V. Coumar, K. M. Hati, A. Subba Rao, Pramod Jha, K. Ramesh, Ajay	September 2011-14	Consolidate report 2011-12 to 2013-14	75.00	NRMAIISSSI L20110110012 6
125.	Developing technique for acceleration of decomposition process using thermophilic organisms	Drs Asha Sahu, U. B. Singh (NBAIM), J.K. Thakur, V. K Bhargav (CIAE), H.L. Kushwaha (CIAE), Asit Mandal, M.C. Manna, A.S. Rao	September 2011 to December 2015	RPF-I (2011-12) II (2012-13) II (2013-14) II (2014-15) submitted	13.85	NRMAIISSSI L20110010012 7
126.	Soil Resilience and its Indicators under Some Major Soil Orders of India.	Drs Ritesh Saha, K.M. Hati, Pramod	March 2011 to February	RPF-I (2011-12) II (2012-13), III	7.25	NRMAIISSSI L20110020012 8

		Jha, M. Mohanty, M.V. Coumar, R.S. Chaudhary	2014	(2013-14)		
127.	Consequences of transgenic cotton on soil microbial diversity	Drs. Asit Mandal, J.K. Thakur, Asha Sahu, M.C. Manna	March 2011 to March 2014	RPF-I (2011- 12), II (2012- 13) III 2013- 14	7.20	NRMAIISSSI L00800129
128.	Chemical and Microbiological Evaluation of Biodynamic and Organic Preparations.	Drs. J. K. Thakur, Asha Sahu, Asit Mandal, A. B. Singh.	June 2011 June 2014	RPF-I (2011- 12), II (2012- 13) RPP-III (2013-14) returned to dr.	4.60	NRMAIISSSI L20120030013 0
129.	Greenhouse gas emission from composting system and characterization of green house gas regulating microbes	Drs. K. Bharati, J.K. Saha, S.R. Mohanty, Shinogi K. C.	June 2012 June 2016	RPF-I (2012- 13), II (2012- 13)	11.9	NRMAIISSSO L20120040013 1
130.	Novel Bio-filtration method using selected mesophilic fungi for of heavy metals from municipal solid waste in M.P. (External funded) MPCST	Drs. M.C. Manna, Asit Mandal, Asha Sahu, J. K. Thakur, S. Ramana, A. Subba Rao	July 2012 to July 2014	Proposal and working report and RPF-I , II and III submitted	4.88	NRMAIISSCO L20110070013 2
131.	Quantifying Green House Gas (GHGs) Emission in soybean wheat system of Madhya Pradesh	Sangeeta Lenka, N.K. Lenka,S. Kundu, A.	31/3/2011 to 31/09/201 4	RPF-I (2010- 11), II (2011- 12) RPP-III (13-14)	13.20	NRMAIISSCO L20120010013 3

		Subba Rao	extended to 31 December 2016			
132.	Biochar on soil properties and crop performance	Drs. Brij Lal Lakaria, Pramod Jha, A.K. Biswas K.M. Hati, J. K. Thakur, M.V. Coumar, A. K. Dubey (CIAE), S. Gangil (CIAE)	January 2012 to March 2017	RPF-I (2012), II (2012-13-14-15-16-17 submitted)	3.20	MRMAI SSC OL201101200 134
133.	Metagenomic characterization and spatio-temporal changes in the prevalence of microbes involved in nutrient cycling in the rhizoplane of bioenergy crops. (External funded) (DBT)	Drs. S.R. Mohanty, Asit Mandal, K. Bharati	November 2011 to November 2014	RPF-I (2011), II (2011-13) III 2013-14 submitted	52.63	NRMAI SSSI L20120020013 5
134.	Interactions among tannery effluents constituents on heavy metals uptake by spinach	Drs. M. L. Dotaniya, J. K. Saha, Rajendiran S., M.V. Coumar, S. Kundu	January 2012 to December 2016	RPF-I (2012-13), II (2012-13-14-15-16-17) RPP-III submitted	14.00	NRMAI SSSI L20130010013 6
135.	Integrated assessment of some IISS Technologies in Enhancing Agro-Ecosystems productivity and livelihood sustainability	Drs Shinogi K.C., Sanjay Srivastava, A.B. Singh, D.L.N. Rao, Radha T.K., B.P. Meena, N.K. Sinha, Hiranmoy Das	January 2013 to July 2016	RPF-I (2013-14) RPP-II (2013-14 and 2014-15, RPP-II 2015-16 and RPP-III submitted)	9.83	NRMAI SSSI L20130020013 7

136.	Nano-particle delivery and internalization in plant systems for improving nutrient use efficiency	Drs. R. Elanchezhian, A.K. Biswas, Tapan Adhikari, K. Ramesh, S. Kundu, A.K. Shukla, A. Subba Rao	July 2013 to June 2015	RPF-I 2013-14 RPP-II 2013-14, 2014-15, 2015-16 and 2016-17	50.00	NRMAIISSSC L201200600138
137.	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, A. Subba Rao	December 2012 to June 2015	Progress report Dec 12-June 13 June 13-June 14 and Dec 12-14	18.48	NRMAIISSCO L201200700139
138.	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	NRMAIISSCO L201200500140
139.	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 L201300500141
140.	Evaluating rock phosphates for their suitability for direct	Drs. Sanjay	October	RPF -I	14.00	NRMAIISSSI

	application	Srivastava, K. Ramesh, A.K. Tripathi, I. Rashmi, P Dey, Prabhat Tripathi and Gurav Priya Pandurang	2013 to May 2018			L20130060014 2
141.	Evaluation of modified urea materials and agronomic interventions for enhancing nitrogen use efficiency and sustaining crop productivity	B.P. Meena, K. Ramesh Neenu, S., R. Elanchezhian	October 2013 September 2017	RPP-I RPP-II 2013- 14, 2014-15, 2015-16, 2016-17 submitted	7.30	NRMAIISSSI L20130040014 3
142.	Impact of Long Term Use of Sewage Water Irrigation on Soil and Crop Quality in Bhopal region of Madhya Pradesh	Vasudev Meena, M. L. Dotaniya, M.V. Coumar Rajendiran S., Asha Sahu, S. Kundu	August 2013 to July 2016	RPF-I RPP- II 2013-14, RPP-III submitted	10.00	NRMAIISSCO L20130070014 5
143.	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
144.	Biodegradation of pesticides under changing climate and metagenomic profiling of functional microbes. (External funded) (DBT)	Drs. K Bharati, T K Radha, S R Mohanty, Neera Singh	December 2013- April 2017	Office order Progress report submitted	23.89	NRMAIISSCO L20130030014 6

145.	Determination of Baseline Concentration for Delineating Contaminated Areas in Black Soils of central India	ML Dotaniya, J. K. Saha S. Kundu, Hiranmoy Das, Rajendiran S	May 2014 to May 2018	Project status report and proposal, RPP-I RPP-II 2014-15, RPP-II 2015-16-17 submitted	14.60	NRMAIISSCO P20140010014 7
146.	Archaea and Actinobacteria in Vertisols of Central India-Assessment of Diversity, Biogeochemical Processes and Bioinoculant Potential (Externally funded project from AMAAS) (External funded)	Drs. D.L.N. Rao, S.R. Mohanty, K. Bharati, T.K. Radha	July, 2014 to March 2017	RPF –I II (2014-15) II 2015-16 submitted and III 2016-17 not submitted	80.83	NRMAIISSCO L20140050014 8
147.	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	NRMAIISSCO L20140060014 9
148.	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, A.K. Biswas	July 2014 to June 2016	MoU and Annul progress 2014-15 submitted	17.84	NRMAIISSCO L20140070015 0
149.	Evaluation of nano-nutrients product (NUALGI) for improving nutrient use efficiency of crops funded by Nualgi Nanobiotech, Bangalore	R. Elanchezhian, A.K. Biswas K. Ramesh, A.K. Shukla, J.K. Thakur,	July 2014 to June 2015	MoU and CR-I, II 2014-15 submitted	11.75	NRMAIISSCO L20140090015 1

		A.K. Patra				
150.	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	NRMAISSSI L20150090015 2
151.	Critical limits of Cd for major soil orders of India	M.V. Coumar, Rajendiran S., M.L. Dotaniya, J.K. Saha, Tapan Adhikari, Ajay	July 2015 June 2018	Status report RPP-I submitted 2015-16	17.80	NRMAISSSI L20150060015 3
152.	Assessment of Cotton for the remediation of soils contaminated with heavy metals	S. Ramana, A.K. Tripathi, K. Bharati, Asha Sahu	June 2015 to May 2018	Status report and RPP-I and RPP-II 2015-16 and 16-17 submitted	6.10	NRMAISSCO P20150010015 5
153.	Integrated assessment of soil and crops for enhancing productivity and C-sequestration potential of Vertisols of central India under changing climate scenarios (NICRA) (External funded)  Change title to Cropping systems and soil management effects on soil organic carbon sequestration and green house gas emission in Vertisols of central India under change climate scenarios funded by NICRA	M. Mohanty, Pramod Jha, Sangeeta Lenka, J. Somasundaram, N.K. Sinha, R.S. Chaudhary, Muneshwar Singh, Seema Bhardwaj	Feb 2017 to March 2020	Technical programme submitted annual report 2017-18	24.73 lakhs is budget for 2015-16, 60.00 lakhs is budget for 2018-19, 38.20 lakhs is budget for	NRMAISSSI L20150040015 6

		(M. Mohanty, N.K. Sinha, Pramod Jha, Dhiraj Kumar, R.H. Wanjari, Prabhat Tripathi, AK Patra (April 2021 to March 2026))			2019-20, 52.73 lakhs is budget for 2020-21.	
154.	Metagenomic mapping of microbial diversity in rhizosphere of major crops of India and Argentina offsetting production potential. (External funded)	S.R. Mohanty, A.K. Patra, K. Bharati, Muneshwar Singh, J.K. Thakur	May 2017 to Jan 2020	Proposal submitted approval of fund letter submitted	69.70	NRMAIISCO L20150130015 7
155.	Weed Management for major cropping systems under conservation agriculture in Vertisols	A.K. Vishwakarma, R.S. Choudhary, N.K. Sinha, B.P. Meena, K. Bharati, Scientist from DWR, Jabalpur	June 2014 to May 2017	RPP-I submitted 2014-15	6.00	NRMAIISSSI L20140080015 8
156.	Standardization of foliar feeding of zinc for correcting its deficiency and grain enrichment in wheat	Pankaj Kumar Tiwari, A.K.	October 2014 –	RPP-I and status report	6.10	NRMAIISSSO L20150020015

		Shukla, R. Elanchezhian, B.P. Meena, S.K. Behera	June 2017	submitted 2014-15		9
157.	Use of nano sensors network for field detection of temperature and moisture stress in plant and soil. funded by Nano platform, Shimla (External funded)	Tapan Adhikari, S. Kundu, C.D. Singh, Ajay Kumar, N.K. Sinha, A.K. Patra, Navkanta Bhat, K.S. Subramaniam and Bajendra	April 2015 to March 2017	Rationale, Technical programme and Budget, Progress report 2015- 16 submitted	385.00	NRMAISSSO L20150030016 0
158.	Conversion of naturally occurring plant nutrient containing minerals into nano form by top down approach to enhance the availability of plant nutrients in soil and faster reclamation of problem soils funded by Nano platform, Shimla (External funded)	Tapan Adhikari, S. Kundu, A.K. Shukla, K. Ramesh, Sudeshna Bhattacharya, J.K. Saha, A.K. Patra	April 2015 to March 2017			NRMAISSCC L20150050016 1
159.	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 Septembe	Agreement and CR-I and Final report 2015-18 submitted	147.18	NRMAISSCC L20150060016 2

			r 2018			
160.	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	NRMAIISCC L20150120016 3
161.	Simulating the effect of elevated CO2 and temperature on water productivity and nutrient use in soybean-wheat cropping system. (External funded by NASF)	N.K. Lenka, Sangeeta Lenka, A.K. Shukla, R. Elanchezhian, J.K. Thakur, I. Rashmi, Pradip Dey, P. Chandra (CIAE), K.K. Singh, A.K. Baxla (IMD, New Delhi)	22 June 2015 to June 2019	progress report 2015-16, 2016-17 and 2018-19 final report submitted	260.53	NRMAIIS00 020150080016 4
162.	Isolation and characterization of heavy metal resistant bacteria & evaluation for their use in agriculture (Collaborative project from ICAR- NBAIM, MAU) (External funded)	M.C. Manna, Asit Mandal, Asha Sahu, J.K. Thkaur	May 2014 to March 2017	RPP-I and RPP-II 2014-15 submitted	46.64	NRMAIIS00 L20160010016 7
163.	Enhancing Resource Use Efficiency in Pulse Based Cropping System in Central India (Collaborative project from ICAR-IIPR, Kanpur) (External funded)	R. Elanchezhian, Abhay Shirale	July 2014 to June 2017	RPP-I submitted	54.00	NRMAIIS00 L20140100016 6
164.	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.	Sanjay Srivastava, Pramod Jha, I. Rashmi,	19 Dec 2015 to 18 February	Agreement copy of terms and trade for	11.28	NRMAIISCC L20150130016 7

	Hyderabad) (External funded)	Abhay Shirale, A.K. Biswas, Pradip Dey, M.V. Coumar, A.K. Patra	2016	relicensed technology of upgraded mridaparikshak submitted		
165.	Determination of critical limits for identifying heavy metals contamination and their threats in major soil types of India (ICAR-Extra Mural Project) (External funded)	J.K. Saha, M.V. Coumar, S. Rajendiran, M.L. Dotaniya, N.S. Bhogal	Jan 2015 March 2017	Final report submitted	23.40	NRMAIISCO L20160010016 8
166.	In-situ residue decomposition of rice-wheat and sugarcane for enhancing crop productivity and soil health (ICAR-Extra Mural Project) (External funded)	M.C. Manna, Asha Sahu, R.C. Singh, J.K. Thakur, Asit Mandal, Sudeshna Bhattacharjya, A.K. Tripathi, A.K. Patra, D.H. Phalkel	Jan 2016 to March 2018	Proposal submitted progress report submitted	29.70	NRMAIISCO L20160020016 9
167.	Soil quality assessment and developing indices for major soil and production regions of India. (funded by ICAR Extramural)	N.K. Lenka, A.K. Biswas, Rajendiran S, S. Kundu, Sangeeta Lenka, N.K. Sinha, Abhay Shirale, A.K. Vishwakarma, R.H. Wanjari, B.L. Lakaria, B.P. Meena,	April 2016 to 30 September 2017	Submitted progress report 2016-17	112.80	NRMAIISCC L20160030017 0

		A.B. Singh, A.K. Patra, Muneshwar Singh, D.L.N. Rao, A.K. Shukla, Pradip Dey				
168.	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	NRMAIISSEO L20150110017 1
169.	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	NRMAIISSEO L20150040017 2
170.	Hyper-spectral remote sensing approaches to evaluate soil quality and crop productivity of central India under DST sponsored Network Project on Hyper-spectral Big Data Analytics. (External funded)	M. Mohanty, N.K. Sinha, K.M.Hati, Ritesh Saha, Pradip Dey, R.K. Singh. R.S. Chaudhary, Bharat Bhaskar Gaikwad, Chetan Sawant and A.K. Patra	April 2016 to March 2019	Sanction order and project proposal submitted	15.49	NRMAIISSEO L20160110017 3
171.	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,	13 July 2016 to June 2018	Project Proposal and MOU	22.56	NRMAIISSEO L20160050017 5

		K.M. Hati, B.P. Meena, A.K. Biswas, M. Mohanty and A.K. Patra		submitted		
172.	Reclamation and rehabilitation of copper mining affected land in Malanjkhand area of Madhya Pradesh (Hindustan Copper Limited)	Ajay, Tapan Adhikari, Asit Mandal J.K. Saha	April 2016 to March 2021	Project proposal, Annual report 2016- 17 and 2017- 18 submitted	25.00	NRMAISSCO L20160060017 6
173.	Indo-UK nitrogen Fixation Centre (IUNFC) BBSRC, Newton-Bhabha fund	D.L.N. Rao, S.R. Mohanty	June 2016 to June 2019	project proposal and sanction letter submitted	676.784	NRMAISSCO L20160070017 7
174.	Ensuring food security, sustainability and soil health through resource conservation based farmer FIRST approach in central India	A.K. Patra, A.K. Vishwakarma, R.K. Singh, A.B. Singh, B.L. Lakaria, R.H. Wanjari, K. Bharati, Asha Sahu, Shinogi K.C. and Abhay O. Shirale, Hiranmoy Das, AK Kamble	March 2016 to March 2018 extended up to March 2020	Proposal submitted	70.25+92. 00=172.2 5	NRMAISSCO L20160080017 8
175.	Impact of viscose staple fibre industry treated effluent on soil health and crop production surroundings Nagda, M.P	Tapan Adhikari M.L.	Novembe r 2017 to	Project document	67.55	NRMAISSCO L20170010017

	funded by M/s Grasim Industries Limited, Nagda, Ujjain, M.P.	Dotaniya, J.K. Saha, Rajendiran S., R.H. Wanjari, Sonalika Sahoo and A.K. Patra	06 October 2020	and MOU, progress report 2017-18 and 2018-19 submitted		9
176.	Management of Municipal Solid Waste (MSW) contaminated landfill area of Bhanpur, Bhopal funded by Nagar Nigam Bhopal (BMC, Bhopal)	Ajay, Tapan Adhikari, K. Bharati, Asit Mandal and J.K. Saha	November 2016 to October 2019	Document submitted	13.00	NRMAIISSSI L201600900180
177.	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	NRMAIISSCC L201700200181
178.	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	NRMAIISSCC L201700300182
179.	Development of an automated soil nutrient sensing system funded by NASF	Sanjay Srivastav, A.O. Shirale,	9 May 2017 to 8 May 2020	project document submitted	31.34	NRMAIISSCO P201700500184

		P.S. Tiwari (ICAR-CIAE, Bhopal), Vijay Kumar (ICAR-CIAE, Bhopal), Ramesh Kumar Sahani (ICAR-CIAE, Bhopal), Baban Kumar (CSIR-CSIO, Chandigarh), Neelam (CSIR-CSIO, Chandigarh)				
180.	Exploring soil microbial community and mechanism in soil carbon sequestration under long term land uses in semi-arid sub-humid Central India funded by SERB DST	Sudeshna Bhattacharjya	10 August 2017 to 9 August 2020	Approval letter, progress report 2017-18, 2018-19, 2019-2020 submitted	43.982	NRMAIISCO L20170060018 5
181.	Assessing greenhouse gas emission and soil carbon storage with reversal in tillage practice	Sangeeta Lenka, N.K.Lenka, Sonalika Sahoo, Sudeshna Bhattacharjya	June 2016 to May 2020	RPP-I, RPP-II 2016-17 and 2017-18 submitted	65.00	NRMAIISSEO L20160110018 6
182.	Vulnerability and impact assessment of climate change on soil and crop production in Madhya Pradesh (Funding Agency:UNDP-GEF-MOE FCC)	Sangeeta Lenka, N. K. Lenka,	Dec 2017 to June 2019	MOU submitted	17.71	NRMAIISCO L20170070018 7

		Manoranjan Mohanty, R. H. Wanjari, A. K. Patra	extended upto December 2019, Extended up to 30 June 2020, extended upto 31 Dec 20, extended up 31 Dec 2021 with no fund			
183.	Effects of long term use of fertilizer and manure on soil functional diversity and nutrient supplying capacity under different soils and cropping systems (inter-institute collaborative project with ICAR-IISR, Indore)	Sudeshna Bhattacharjya, Asha Sahu, M.C. Manna, Muneshwar Singh, R.H. Wanjari, M.P. Sharma and A.K. Patra	June 2016 to Dec 2019	RPP-I, RPP-II 2016-17, 2017-18, 2018-19 submitted	10.55	NRMAIISSEO L20160100018 8
184.	Enhancing the productivity of major crops through improving the natural resource base of tribal inhabited areas of central India	Shinogi K.C., Sanjay Srivastava, Ankush Lala Kamble, B.P. Meena, N.K. Sinha, K. Bharati, Gurav Priya	January 2018- December 2022	RPP-I submitted	6.10	NRMAIISSEO L20170080018 9

		Pandurang, A.K. Tripathi, H Das, R.L. Raut (KVK, Balaghat), Aparna Jaiswal (COA, Balaghat)				
185.	Evaluation of glauconite as source of potassium for crops	A.O. Shirale, Gurav Priya Pandurang, Sanjay Srivastava, B.P. Meena and AK Biswas	December 2017 to November 2020	RPP-I, RPP- II 2018-19, RPP-II 2019- 20, 2020-21 and RPP-III submitted	1.85	NRMAIIS SSO L20170090019 0
186.	Enhancing decomposition rate and quality of bio-waste through microbial consortia for improving soil health funded by NASF	M.C. Manna, Asha Sahu, Sudeshna Bhattacharjya, A.B. Singh, A.K. Tripathi, J.K. Thakur, Dolamani Amat, Asit Mandal	June 2018 to Jan 2021 extended up to March 2021	Progress report 2018- 19 and 2020- 21 submitted	149.0225 6	NRMAIIS SCO L20170100019 1
187.	Sustainable adaptive management of water resources to variable climates of Madhya Pradesh funded by ICARDA	M. Mohanty, N.K. Sinha, A.K. Patra	April 2018 to March 2021	MoA, Work plan and budget submitted	12.62/ (16.02)	NRMAIIS SCO L20180010019 2
188.	Assessing the impact of imbalanced use of chemical fertilizer on soil health using a soil function based	N.K. Lenka, B.P. Meena,	May 2018 to April	Project document,	40.20	NRMAIIS SCO L20180020019

	quantitative approach funded by DST	Sangeeta Lenka, AO Shirale, R.H. Wanjari, M.L. Dotaniya, R.K. Singh	2021 extended up to 9 November 2021	status report and progress report 2019-20 and 2020-21 submitted		3
189.	Mineralogy of Vertisols in relation to K availability in central and western India	Gurav Priya Pandurang, AO Shirale, B.P. Meena, B.L. Lakaria, Sanjay Srivastava, P. Chandran (ICAR-NBSS&LUP. Nagpur), Dr. S. Sandeep (Deptt. of Soil Science, KSCSTE, Kerala Forest Research Institute, Thrissur, Kerala	June 2018 to Dec 2023	RPP-I submitted	14.25	NAMAISSSO L20180030019 4
190.	Assessing the potential impact of climate smart technologies on soil health and nutrient accounting in selected vulnerable districts of MP funded by EPCO, Bhopal	Sangeeta Lenka, N.K. Lenka, M.V. Coumar, M. Mohanty, J.K. Saha, A.K. Patra,	August 2018 to July 2021 Extended up to July 2022	Proposal document, Inception report, midterm report and second	24.93+4.98600=29.916	NRMAISSCO L20180040019 5

		Dolamani Amat		midterm report submitted		
191.	Assessing the potential impact of climate change and management on soil carbon and nitrogen storage in selected ecosystems of India funded by NASF	Sangeeta Lenka, N.K. Lenka, Vasudev Meena, Asit Mandal, Biswapati Mandal, BCKV, West Bengal	August 2018 to July 2021 extended up to January 2022 extended up to July 2022	Proposal document, Annual report 2019-20, 2020-21 and 2021-22 submitted	194.33652 + 10.49200 = 204.82852	NRMAIISCO L20180050196
192.	Strategies for enhancing yield of soybean (Glycine Max L.) and pigeon pea (Cajanus Cajan L) in India using climate variability information in crop growth simulation models funded by IITM, Pune, MoES, GOI	M. Mohanty, B.S. Bhatia, N.K. Sinha, Prabhat Tripathi, R.S. Chaudhary, Seema Bhardwaj and A.K. Patra	July 2018 to June 2021	Proposal document submitted	46.44	NRMAIISCO L2018006198
193.	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	NRMAIISSCO L2018007199
194.	Reclamation and management of municipal solid waste contaminated dumping area of Bhanpur, Bhopal funded by MPCST, Bhopal	Ajay, Tapan Adhikari, K. Bharati and	February 2019 to January	Proposal submitted	8.60	NRMAIISCO L201900100200

		Asit Mandal	2021			
195.	Exploring endophytic fungi for the phytoremediation of heavy metal contaminated soils funded by DST	Asit Mandal	September 2018 to September 2021	Proposal submitted	21.80	NRMAIISSCO L201800800201
196.	Ecogenomics of soil microbes involved in global climate mitigation and nitrogen use efficiency in rice-wheat agroecosystem of central India under elevated CO <sub>2</sub> and temperature funded by DST	SR Mohanty, Kollaha Bharati, Sandip Gangil	25 September 2018 to 24 September 2021	Project document submitted	65.02	NRMAIISSCO L201900200202
197.	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	NRMAIISSCO L200901100204
198.	Development of customized fertilizers solutions to promote balanced fertilization selective agriculturally important states of India toward crop productivity and farm profitability funded by NFCL, Hyderabad	Pradip Dey, Sanjay Srivatava, A.K. Shukla, Hiranmoay Das, B.L. Lakaria, A.K. Biswas, A.S. Rao	July 2013 to June 2014	MoU submitted	7.63	NRMAIISSCO L201300400207
199.	Methanogenic bioelectrode driven conversion of CO <sub>2</sub> to CH <sub>4</sub> to enhance methanogenesis and mitigation of greenhouse gas from agrowaste based bioenergy systems funded by JSPS DST, New Delhi	S.R. Mohanty, K. Bharati, A.K. Patra, Seiya Tsujimura	20 Jan, 2020 to 20 Jan 2022	document submitted	60.02	NRMAIISSCO L202000100208
200.	Development and promotion of CA machinery (Inter Institutional with ICAR-CIAE)	A.K. Vishwakarma, Dushyant	Jan 2019 to March 2022	RPP-I submitted	57.2	NRMAIISSCO L201900600209

		Singh, NS Chandel				
201.	System for production of enriched biochar from crop residue (Inter Institutional with ICAR-CIAE)	A.K. Shukla, S.K. Behera, Sandip Mandal, Chirag Maheswari	April 2019 to March 2021	RPP-I submitted	30.45	NRMAIISSSO L20190070021 0
202.	Impact Assessment of Neem Coated Urea and Soil Health Card in Central and Western India	A.L. Kamble and Hiranmoy Das	2019 to 2020	Status report submitted	10.00	NRMAIISSSO L20190110021 7
203.	Socio-Economic impact of use of polluted irrigation water on soil quality and crop productivity near Ratlam industrial area in Madhya Pradesh	Utkarsh Tiwari, J.K. Saha, M.V. Coumar, A.L. Kamble and Hiranmoy Das	2019 to 2020	Status report submitted	10.00	NRMAIISSSO L20190120021 8
204.	Mineralogy of Vertisols in relation to K availability in central and western India	Gurav Priya Pandurang, AO Shirale, B.P. Meena, B.L. Lakaria, Sanjay Srivastava, P. Chandran (ICAR- NBSS&LUP. Nagpur), Dr. S. Sandeep (Deptt. of Soil Science,	June 2018 to Dec 2023	RPP-I submitted	14.25	NAMAIISSSO L20180030019 4

		KSCSTE, Kerala Forest Research Institute, Thrissur, Kerala				
205.	Evaluation of Soybean-rhizobia interaction under elevated CO <sub>2</sub> and temperature to develop climate ready microbial inoculants for central India (Externally funded project from AMAAS) (External funded)	S.R. Mohanty, K. Bharati	April 2017 to March 2020	Proposal document submitted	21.38	NRMAIISCO L20170110019 7
206.	Assessment of acid mine drainage affected areas in Madhya Pradesh	Madhumonti Saha, Ajay, Abhijit Sarkar, J.K. Saha and Hiranmoy Das	2019- 2022	RPP-I submitted	10.25	NRMAIISCO L20190040020 5
207.	Assessment of nutrient (N & P) use efficiency in wheat genotypes for improved crop productivity	R. Elanchezhian, A.O. Shirale, B.P. Meena, Alka Rani, Sanjay Srivastava, Ajay, S. Ramana, A.K. Biswas, MV Coumar and Renu Pandey (ICAR-IARI, New Delhi)	October 2019 to September 2023	RPP-I submitted	20.00	NRMAIISSEO L20190050020 6
208.	Micronutrients distribution in major soil orders of India as influenced by soil properties and land use pattern	SK Behera, N.K. Sinha, J.K. Thakur, K. Kartikeyan	2019 to 2023	RPP-I submitted	18.00	NRMAIISSEO L20190080021 1

		(ICAR-NBSS&LUP, Nagpur)				
209.	Climate change impact on water productivity of major crops in central India	N.K. Sinha, M. Mohanty, J. Somasundaram, Pramod Jha, Alka Rani, Seema Bhardwaj, Hiranmoy Das, K.M. Hati, R.S. Chaudhary	2019 to 2023	Status report submitted	18.00	NRMAIISSEO L20190090021 2
210.	Studies on N-(n-butyl) Thiophosphoric Triamide (NBPT) as a Urease Inhibitor for Improving Nitrogen Use Efficiency in major cropping systems in India funded by ICAR- CIMMYT collaboration (Agrotain project)	Pramod Jha, R Elanchezhian, BL Lakaria, B.P. Meena, Pradip Dey and AK Biswas	Kharif (July) 2021 to June 2022	Document submitted	27.37	MRMAIISSEI L20210020022 2
211.	Sustainable biochar production agroforestry systems and its application: A climate resilient soil management approach funded by ICRAF	BL Lakaria, Pramod Jha, AK Biswas, AK Vishwakarma, BP Meena, M Vassanda Coumar, Jitendra Kumar, Abinash Das,	1 July 2021 to 31 March 2023	Project document submitted	46.36	NRMAIISSEO L20210030022 3

		AK Patra, Javed Rizvi, SK Dhyani, Aqeel Hasan Rizvi, Archana Singh, Jamal Pervez Noor				
212.	Enhancing input use efficiency and productivity of pulses production system in central India (ICAR-IISS, Bhopal and ICAR-IIPR, Kanpur)	Sandeep Kumar, Narendra Kumar, Pramod Jha, R Elanchezhian	2020-2023	RPP- I and RPP-II submitted soft copy	0.00	CRSCIIPRSIL 201700600145
213.	Investigation of potentials of soil as a sink for nitrous oxide and strategies for mitigation nitrous oxide emission funded by DST SERB –POWER Fellowship	Sangeeta Lenka	April 2021 to March 2024	approval letter submitted	35.40	
214.	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
215.	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
216.	Phyllosphere methylotroph driven bioconversion of atmospheric greenhouse gas and volatiles to plant metabolites leveraging primary productivity in major crops	SR mohanty			110.70	NRMAIISSCO L202200100232

	and mitigation of climate change					
217.	Indoor quality herbs/vegetable production through verticle/geoponic farming with the intervention of nano tech/phosphor converted LED funded by Ravindra Nath Tagore University Bhopal	Sudeshna Ray, Tapan Adhikari, Ajay	August 2022 to July 2024	Document submitted	3.28	NRMAIISSCO L20220020023 2
218.	XRF-Based Quantification of Heavy Metal Concentration in Contaminated Soils, Sludge, and Compost: A Feasibility Study	Rahul Mishra, N.K. Sinha, K.M. Hati, M.V. Coumar, M. Mohanty, Abhijit Sarkar, Dhiraj Kumar, DK Yadav, R.S. Chaudhary, J.K. Saha	August 2022 to June 2023	RPP-I to be submitted		NRMAIISSCO L20220140024 6
219.	Phosphorus potassium and zinc dynamics under conservation agriculture in diverse agro-ecological zones	Khushboo Rani, Gurav Priya Pandurang, Pramod Jha, AK Vishwakarma, Sanjay Srivastava, AK Biswas	August 2022 to June 2023	RPP-II and RPP-III to be submitted		NRMAIISSCO L20220150024 7
220.	Long-term nutrient management impact on soil carbon and nitrogen dynamics across different agro-ecological regions of India	Dhiraj Kumar, RH Wanjari, M Mohanty, J Somasundaram, Pramod Jha, Rahul Mishra,	August 2022 to June 2023	RPP-II to be submitted		NRMAIISSCO L20220160024 8

		Immanuel C Haokip				
221.	Silicon solubilizing bacteria for enhancing nutrient use efficiency of Rice-wheat cropping system in Vertisol of central India	M. Homeshwari Devi, SR Mohanty, Asha Sahu, JK Thakur, Immanuel C Haokip, Abinash Das	June 2023 to January 2024	Revised Status report submitted		NRMAIISSCO L202300100250
222.	Hyperspectral reflectance and multi-nutrient extrant based assessment of soil properties for sustainable soil health in India	Pradip Dey, MV Coumar	September 2022 to August 2025	Sanction letter submitted	201.018	NRMAIISSCO L202200400237
223.	Valorization of sewage sludge : Waste to wealth using nanotechnology for circular economy	Dinesh Kumar Yadav, Sangeeta Lenka, Abhijit Sarkar, MV Coumar, JK Saha	March 31 2023 to 30 March 2025	Document submitted	5.80	NRMAIISSCO L202300100239